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PATENTS ISSUED

Patents	40,516—No.	2,624,046 to No.	2,664,561 [1]	inclusive.
Designs	2,714—No.	168,527 to No.	171,240 [2]	inclusive.
Reissues	151—No.	23,612 to No.	23,762	inclusive.
Plant Patents	78—No.	1,160 to No.	1,237	inclusive.

[1] Includes 48 withdrawn.
[2] Includes 1 withdrawn.

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LIST OF PATENTEES

This list includes reissue patentees

Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone direc

A B Bostadsforskning, assignee: *See*—
Bergvall, Knut L., Dahlberg, and Palmgren.
A-B-C Packaging Machine Corporation, assignee: *See*—
Neal, Morris P.
A. B. Chance Company, assignee: *See*—
Hubbard, David C., and Hollander.
A B Svenska Fiaktfabriken, assignee: *See*—
Allander, Claes G.
Broberg, Georg K. J.
Wester, Karl G.
AB Svenska Maskinverken, assignee: *See*—
Dalin, David, and Hagby.
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A B Svenska Skolästfabriken, assignee: *See*—
Sjöström, Sture.
Werklund, Harald.
A and K Safety Carton Cutter, Inc., assignee: *See*—
Anderson, Alfred H.
AMI Incorporated, assignee: *See*—
Kasnowich, Anthony M.
Kuntz, William H.
McCallum, Robert A.
Menosky, George.
Vanderzee, Harry H., and McCallum.
A P Controls Corporation, assignee: *See*—
Ehlke, Edward C.
McCarty, Lourdes V., and Vicenzi.
Rack, Edward R., Duncan, and Dulak.
A. R. D. Corporation, assignee: *See*—
Valyi, Emery I.
ARMAG Spezialwerkzeuge- und Maschinen A. G., assignee: *See*—
Rüegg, Arnold.
A/S Norduco, assignee: *See*—
Berner, Endre, Q., and Kielland.
A. S. P. Chemical Company Limited, assignee: *See*—
Walsh, Conrad L., Hawes, and Foulger.
A and T Development Corporation, assignee: *See*—
Avril, Arthur C.
AVE Transportmittel Holding A. G., assignee: *See*—
Miklos, Heinrich.
Aabberly, Nicholas R., New York, N. Y. Light source shielding means for fluorescent luminaire. 2,650,293, Aug. 25.
Aaby, Oscar L., Woodville, Wis. Supporting bracket for water pipe fittings. 2,628,799, Feb. 17.
Aaero Manufacturing Co., assignee: *See*—
Augspurger, Luther S., and Hasse.
Aagaard, Fridtjof, Rahway, N. J., and H. G. Weiss, Marietta, Ohio, assignors to American Cyanamid Company, New York, N. Y. Device for handling of wet sticky pastes. 2,652,929, Sept. 22.
Aagesen, Walter J., Anderson, Ind. Surgical pad. 2,630,119, Mar. 3.
Aannerud, Sigurd A., Thamshaven, Norway, assignor, by mesne assignments, to Pyror Limited, Pembroke, Bermuda. Total treatment of copper-containing iron pyrites. 2,653,905, Sept. 29.
Aaronson, Harry, Cedarhurst, assignor to Perfect Knit Togs, Inc., New York, N. Y. Infant's garment. 2,663,022, Dec. 22.
Aasland, John L., Moline, Ill., assignor to International Harvester Company. Corn harvesting unit with auxiliary snapping rolls. 2,651,163, Sept. 8.
Aasland, John L., Moline, Ill., assignor to International Harvester Company. Remote operator for wagon elevator throw-out clutches. 2,654,258, Oct. 6.
Abagoff, Serge, Burbank, Calif. Toy projector and catcher. 2,636,738, Apr. 28.
Abate, Anthony, Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Binary decoding system. 2,658,139, Nov. 3.
Abbate, Albert, and E. Cappelletti, Detroit, Mich. Combination chair and table. 2,625,206, Jan. 13.
Abbe, Marius, Lyon, France, assignor to Societe Industrielle pour la Rayonne "S. I. P. R. A.," Paris, France. Traverse device. 2,629,560, Feb. 24.
Abbett, William A., Jr., and F. C. Diaz, Duluth, Minn., assignors to United States Steel Corporation. Blowing-in banked blast furnaces. 2,660,524, Nov. 24.
Abbondandolo, Lawrence, Brooklyn, N. Y. Pneumatic horn or signal. 2,643,633, June 30.
Abbott, Arthur R.: *See*—
McIlvin, Donald B., and Abbott.
Abbott, Berenice, assignor to House of Photo
New York, N. Y. Composition guide. 2,626
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Abbott, Ernest J., deceased, Ann Arbor, M
Abbott, administratrix. Apparatus for
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Abbott, John A., Stamford, G. H. Barber, Ea
ter, A. K. Newman, Norton, Conn., and C.
deceased, East Port Chester, Conn., by L.
administratrix, assignors to Homelite Corp
Port Chester, Conn. Chain saw. 2,630,8
Abbott, John A., Jr.: *See*—
Jurgensen, Delbert F., Abbott, and Arelt
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Abbott, John A., Jr., Ridgefield, N. J., and D.
Jr., Tuckahoe, N. Y., assignors to America
Foundry Company. Making detergen
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Abbott, John F. S., West Barrington, and C
Bristol, R. I., assignors to United States
pany, New York, N. Y. Insulated electric
2,624,777, Jan. 6.
Abbott, John W.: *See*—
Misener, Richard E., Abbott, Clarke, and
Abbott Laboratories, assignee: *See*—
Clemente, Le Roy W.
Fields, Mack R.
Fredrickson, Lloyd C.
Hasbrouck, Richard B.
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Ryan, George R.
Schock, Richard U., Jr., and Tabern.
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Weston, Arthur W.
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Zaugg, Harold E., Glenn, and Freifelder.
Abbott, Marion E., administratrix: *See*—
Abbott, Ernest J.
Abbott, Matthew C.: *See*—
Rumsey, Howard L., and Abbott.
Abbott, Roy W., Schenectady, N. Y., assi
eral Electric Company. Combustor and
therefor. 2,651,912, Sept. 15.
Abbott, Samuel L., executor: *See*—
Perry, Winthrop L., and Abbott.
Abbott, Samuel L., Wilton, N. H. Slub catch
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Abbott, Samuel L., Wilton, N. H. Tex
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Abbott, Samuel L., Wilton, N. H. Centrifug
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Abbott, Samuel L., Wilton, N. H. Slub catch
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Abbott, William B., Springfield Gardens, N.
Mergenthaler Linotype Company. Typog
ing machine. 2,663,409, Dec. 22.
Abbott, William B., Springfield Gardens, an
Garden City, N. Y., assignors to Mergenth
Company. Typographical distributing
2,656,038, Oct. 20.
Abbott, William G., Jr., Milford, N. H.
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Abbott Worsted Mills, Incorporated, assign
Perry, Winthrop L.
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Abbotts Dairies, Inc., assignee: *See*—
Kennedy, Ridgway, Jr.

Abdo, Joseph T., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor laminated stator construction. 2,654,039, Sept. 29.

Abel, George G.: *See*—
Swerdlow, Nathan, and Abel.

Abel, Joe, Ponca City, Okla. Mechanical belt buckle. 2,663,062, Dec. 22.

Abel, Marcel: *See*—
Dessert, Léo, Abel, and Rua.

Abel, Mona C., Kew Garden Hills, N. Y. Transparent hollow toy ball. Re. 23,612, Jan. 13.

Abel, Walter P., Madison, N. J. Extensible brush and container therefor. 2,645,803, July 21.

Abel, William E., Great Falls, Mont. Disk valve pulse jet engine. 2,640,314, June 2.

Abeles, Ernest A., assignor to Elfsuede, Inc., Worcester, Mass. Flocking machine. 2,655,895, Oct. 20.

Abeles, Paul W., London, England. Composite structural member and in the manufacture thereof. 2,645,115, July 14.

Abell-Howe Company, assignee: *See*—
Haeger, Milton O.

Abels, Harvey E.: *See*—
Long, Charles F., and Abels.

Abelson, Robert C., Chattanooga, Tenn., assignor to Radio Corporation of America. Synchronizing system. 2,655,556, Oct. 13.

Abendroth, Guss F.: *See*—
Arendt, Harry S., and Abendroth.

Abendroth, Guss F., Houston, Tex., assignor by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Small gun perforator for oil wells. 2,664,157, Dec. 29.

Abendroth, Guss F., and G. H. Tausch, Houston, and J. Ward III, Tyler, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Gravel packing apparatus and arranging same in well casings. 2,651,369, Sept. 8.

Aberg, Thorsten, Goteborg, Sweden. Hypodermic syringe. 2,643,654, June 30.

Aberle, Roy, assignor to Southworth Machine Company, Portland, Maine. Skid lift. 2,639,150, May 19.

Abernethy, Albert D., assignor of one-half to W. J. Laughridge, Rocky Mount, N. C. Spinning or roving frame. 2,635,299, Apr. 21.

Abitz, Melvin E., Chicago, Ill. Automatic station-to-station delivery conveyer means. 2,640,581, June 2.

Able, Edward T.: *See*—
Sweeney, John F., Able, and MacKay.

Able, Edward T., assignor to B. K. Sweeney Mfg. Co., Denver, Colo. Torque indicator for torque wrenches. 2,651,935, Sept. 15.

Able, Edward T., and W. Krieger, assignors to B. K. Sweeney Mfg. Co., Denver, Colo. Socket wrench extension. Re. 23,661, May 26.

Abler, Julius, assignor of one-half to Abel Engelman, Chicago, Ill. Smoke-simulating toy gun and ammunition. 2,639,543, May 26.

Abplanalp, John, assignee: *See*—
Thompson, John D.

Abplanalp, Robert H., Bronx, N. Y. Valve mechanism for dispensing gases and liquids under pressure. 2,631,814, Mar. 17.

Abraham, David, Waltham, assignor to Hampden Brass and Aluminum Company, Springfield, Mass. Tiltable band saw machine. 2,644,491, July 7.

Abraham, Frank J., assignor to Boeing Airplane Company, Seattle, Wash. Engine speed regulating fuel supply control. 2,631,658, Mar. 17.

Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,659,322, Nov. 17.

Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,660,135, Nov. 24.

Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,660,136, Nov. 24.

Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingled roofing. 2,660,137, Nov. 24.

Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,662,491, Dec. 15.

Abraham, James G., Laguna Beach, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drawworks feed control. 2,650,796, Sept. 1.

Abrahamsen, Abraham, Queens Village, N. Y. Scraper. 2,634,498, Apr. 14.

Abrahamsen, Donald, Harrington Park, N. J. Automatic screw machinery. 2,644,349, July 7.

Abrahamson, Charles M., Aurora, Ill., assignor to All-Steel Equipment Inc. Desk top construction. 2,646,325, July 21.

Abrahamson, Charles M., and K. P. Grube, Aurora, Ill., assignors to All-Steel Equipment Inc. Sliding drawer construction. 2,646,333, July 21.

Abrahamson, Edmund, Baldwin, N. Y. Linear motion device. 2,650,312, Aug. 25.

Abrams, Albert A., St. Louis, Mo. Ball-game tray. 2,626,808, Jan. 27.

Abrams, Herman, Philadelphia, Pa. Collapsible crib construction. 2,646,576, July 28.

Abrams, Howard, assignor to Curtis Industries, Inc., Cleveland, Ohio. Bimetallic key blank. 2,653,492, Sept. 29.

Abrams, Howard, University Heights, assignor to Curtis Industries, Inc., Cleveland, Ohio. Key cutting machine. 2,626,663, Jan. 27.

Abrams, Jess: *See*—
Bloom, Israel, and Abrams.

Abrams, Maurice, Newark, N. J. Time controlled demothlizing device. 2,660,828, Dec. 1.

Abrams, Morris, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Hammer type stapler. 2,661,999, Dec. 8.

Abrams, Stanley T.: *See*—
Stross, Fred H., and Abrams.
Stross, Fred H., Abrams, and Peterson.

Abrams, Stanley T., and F. H. Stross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Grease compositions. 2,626,899, Jan. 27.

Abrams, Victor R., assignor to Geo. D. Roper Corporation, Rockford, Ill. Grid port structure for gas burners. 2,627,910, Feb. 10.

Abrams, Warren B., assignee: *See*—
Abrams, William A.

Abrams, William A., assignor of one-third to W. B. Abrams, Pittsburg, and one-third to L. Arata, Antioch, Calif. Tractor mounted adjustable post hole digger. 2,662,736, Dec. 15.

Abramsen, Finn B., Baldwin Township, Allegheny County, Pa. Cross rolling mill. 2,642,763, June 23.

Abramson, Elmer D., Ladue, Mo., assignor to Central States Paper & Bag Company. Haystack cover. 2,635,562, Apr. 21.

Abramson, Renben, Forest Hills, N. Y. Infant's slip with adjustable shoulder straps. 2,638,598, May 19.

Abresch, Carel F., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,639,600, May 26.

Abresch, Carel F., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,664,050, Dec. 29.

Abt, Edward C., Los Angeles, Calif. Bottle containing trophy and beverage shaker. 2,649,984, Aug. 25.

Abt, Franz, Essen-Margarethenhoehe, Germany, assignor of one-half to Karl Adler, Washington, D. C. Percussive tools. 2,660,153, Nov. 24.

Abt, Rhea, New York, N. Y. Dish draining and drying rack. 2,632,568, Mar. 24.

Academy Electrical Products Corp., assignee: *See*—
Greenbaum, Arthur.

Accessory Makers, assignee: *See*—
Fezzey, Chester T.

Accounting Forms, Inc., assignee: *See*—
Bickel, Arthur J.

Accurate Parts Manufacturing Company, assignee: *See*—
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Accurate Tool and Engineering Company, assignee: *See*—
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Ace Art Company, assignee: *See*—
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Ace Carton Corporation, assignee: *See*—
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Ace Engineering Company, assignee: *See*—
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Acerbi, Joseph, San Francisco, Calif. Massaging device. 2,629,374, Feb. 24.

Achee, Thomas J., New Orleans, La. Adjustable curb hopper. 2,651,525, Sept. 8.

Achenbach & Butler, Inc., assignee: *See*—
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Achner, Martin, Munich, Germany. Electric hot-air stove particularly for medical and sanitary purposes. 2,634,362, Apr. 7.

Achner, Martin, Munich, Germany. Infrared ray, indirectly heating heat bath. 2,655,155, Oct. 13.

Achs, Nicholas, Detroit, Mich. Refrigerator apparatus. 2,655,419, Oct. 13.

Achwat, Joseph F., Garfield Heights, Ohio, assignor to General Electric Company. Apparatus for bending tubular lamps. 2,649,660, Aug. 25.

Acken, Thomas L., Jr.: *See*—
Jenkins, Edward M., and Acken.

Acker, Carl N., Midland, Tex. Mortar veneer template. 2,625,747, Jan. 20.

Acker, Edward L., Los Angeles, Calif. Can opener attachment. 2,624,110, Jan. 6.

Acker, Ralph E., Fort Worth, Tex., assignor to Container Corporation of America, Chicago, Ill. Corner locking construction for paperboard containers. 2,652,185, Sept. 15.

Ackerman, Edward, Hawthorne, A. De Feo, Paterson, and W. H. Francisco, Jr., Bloomfield, N. J., assignors to Curtiss-Wright Corporation. Aftercooler construction. 2,646,027, July 21.

Ackerman, George W., New York, N. Y. Visual communicating device. 2,624,922, Jan. 13.

Ackerman, Howard B., Rockville Centre, N. Y. Justifying compositor. 2,632,548, Mar. 24.

Ackerman, Howard B., Rockville Centre, N. Y. Record-actuated photocomposing machine. 2,646,733, July 28.

Ackerman, James E., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Strip-collapsing device for sewing machines. 2,660,139, Nov. 24.

Ackerman, Joseph I., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation process. 2,653,147, Sept. 22.

Ackerman, Morris, Chevy Chase, Md., assignor of one-fifth to J. J. White, Washington, D. C. Portable music stand. 2,639,962, May 26.

Ackermann, Albert J., Kirkwood, assignor to Viko, Inc., Clayton, Mo. Hose nozzle shield. 2,643,668, June 30.

Ackermann, Franz: *See*—
Zweifel, Hans-Heini, and Ackermann.

Ackermann, Franz, Binningen, assignor to Ciba Limited, Basel, Switzerland. Amino-coumarin-sulfonates. Re. 23,703, Sept. 1.

Ackermann, Karl, Mannheim, and L. Schlecht, Ludwigshafen (Rhine), assignors to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen am Rhine, Germany. Porous electrode plates and making such articles. 2,661,387, Dec. 1.

Ackermann, Otto: *See*—
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Ackerson, Raymond O., Earp, Calif. Rifle bolt sleeve and safety. 2,648,926, Aug. 18.

Ackland, Edward B., Cincinnati, assignor to The Dearing Tool & Manufacturing Co., Greenville, Ohio. Razor blade hand plane. 2,645,259, July 14.

Ackley, Amos, Camden, N. J. Wire stripping implement. 2,643,561, June 30.

Ackley, Charles S., Brooklyn, assignor to Thermactor Company, New York, N. Y. Oil well heater. 2,632,836, Mar. 24.

Ackley, E. Hastings, assignee: *See*—
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Ackley, Raymond E., Evanston, assignor to W. F. Hall Printing Company, Chicago, Ill. Signature gathering machine. 2,636,728, Apr. 28.

Ackley, Raymond E., Evanston, assignor to W. F. Hall Printing Company, Chicago, Ill. Book and wrapper feed mechanism for wrapping machines. 2,651,899, Sept. 15.

Ackley, Richard E., Westmont, N. J., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Saw chain. 2,658,537, Nov. 10.

Ackley, Robert A., San Diego, Calif., assignor to Republic Flow Meters Company, Chicago, Ill. Flow measuring device. 2,660,057, Nov. 24.

Acklin, Gordon R., M. Hantack, and H. E. Perrey, assignors to McQuay-Norris Manufacturing Company, St. Louis, Mo. Control device. 2,651,744, Sept. 8.

Acland, Edward H., assignor to Burroughes & Watts (Canada) Limited, Montreal, Quebec, Canada. Billiard table leveling apparatus. 2,627,407, Feb. 3.

Acme Brick Company, assignee: *See*—
Cushing, Ivan E., and Slaughter.

Acme Coppersmithing & Machine Company, assignee: *See*—
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Acme Protection Equipment Company, assignee: *See*—
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Acme Shear Company, The, assignee: *See*—
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Crone, Alfred F.

Acme Visible Records, Inc., assignee: *See*—
Attwood, Charles E.

Acock, George W., H. G. Suppers, and H. W. Voorhees, Morrisville, Pa., assignors to John A. Roebling's Sons Company, Trenton, N. J. Control casing and manufacture thereof. 2,642,898, June 23.

Acosta, Ivan J., assignor to Crane Co., Chicago, Ill. Valve actuating and latching mechanism. 2,658,717, Nov. 10.

Acragage Corporation, assignee: *See*—
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Acrometal Products, Inc., assignee: *See*—
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Acrow (Engineers) Limited, assignee: *See*—
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Actiengesellschaft Joh. Jacob Rieter & Cie., assignee: *See*—
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Actis, Paul, Fontaine, France. Presser device for shoe sewing machines. 2,656,802, Oct. 27.

Activated Sludge Limited, assignee: *See*—
Coombs, Eric P.

Acton, Daniel D., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Closure cap. 2,633,262, Mar. 31.

Acton, Grant M., assignor to Acton Products, Inc., Arkansas City, Kans. Plant box. 2,659,180, Nov. 17.

Acton, John R., Bunny, assignor to Ericsson Telephones Limited, London, England. Electronic counting and/or selecting arrangement. 2,651,004, Sept. 1.

Acton Products, Inc., assignee: *See*—
Acton, Grant M.

Acton, Russell D., Chicago, Ill. Gauge means for implements. 2,627,797, Feb. 10.

Acton, Russel D., Chicago, Ill. Truck refrigeration unit. 2,630,687, Mar. 10.

Acton, Russel D., Chicago, Ill. Tractor power lift with rock-shaft and synchronized remote cylinder. 2,637,259, May 5.

Acton, Russel D., Chicago, Ill., assignor to Harvester Company. Control means for nected implements. 2,638,046, May 12.

Actrol, Inc., assignee: *See*—
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Adair, James E., Chicago, Ill. Printed trans same. 2,626,226, Jan. 20.

Adair, Keith M., Eugene, Oreg. Drain and 2,627,871, Feb. 10.

Adair, Keith M., Eugene, Oreg. Liquid 2,651,434, Sept. 8.

Adair, Paul F., Dayton, Ohio. Internal-co gine compression tester. 2,625,033, Jan.

Adair, William P.: *See*—
Dietert, Harry W., Adair, and Zirzow.

Adam, Frank, Electric Company, assignee: S Stieglitz, Henry M.

Adam, Joseph B., Jackson, Ala., assignor to Mills, Inc., Reading, Pa. Beam support machines. 2,625,022, Jan. 13.

Adamec, Gilbert: *See*—
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Kelley, Walter L., and Adamec.
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Spero, Lila S., and Adamec.

Adamek, William E.: *See*—
Berry, William D., Vigars, and Adamek.

Adams, Albert C., Jackson Heights, N. Y., as public Steel Corporation, Cleveland, Ohio. conduits and similar elongated articles. Feb. 3.

Adams, Arthur R., Glendale, E. D. Grizzar Cady, Los Angeles, assignors to Adams facturing Company, Glendale, Calif. 2,653,843, Sept. 29.

Adams, Branard F.: *See*—
Marshall, Oren B., and Adams.

Adams, Bruce P., Wilmette, assignor to Pe facturing Co., Evanston, Ill. Dial-type scal Sept. 29.

Adams, Carl, Sr., Birmingham, Ala. Displa fruits and vegetables. 2,637,481, May 5.

Adams, Cecil E., assignor to The Denison Company, Columbus, Ohio. Control valv for hydraulic motors. 2,641,228, June 9.

Adams, Cecil E., assignor to The Denison Company, Columbus, Ohio. Flow co 2,646,078, July 21.

Adams, Cecil E., assignor to The Denison Company, Columbus, Ohio. Hydraulic 2,647,455, Aug. 4.

Adams, Cecil E., assignor to The Denison Company, Columbus, Ohio. Hydraulic pre 2,652,780, Sept. 22.

Adams, Cecil E., assignor to The Denison Company, Columbus, Ohio. Hydraulic 2,661,766, Dec. 8.

Adams, Cecil E., and E. H. Born, assignors to Engineering Company, Columbus, Ohio. H trol means. 2,649,106, Aug. 18.

Adams, Cecil E., and E. H. Born, assignors son Engineering Company, Columbus, Ohi valve. 2,654,975, Oct. 13.

Adams, Charles H., Springfield, Mass., assig santo Chemical Company, St. Louis, Mo. tact extensometer. 2,650,432, Sept. 1.

Adams, Charles J.: *See*—
Klostermann, Curt W., and Adams.

Adams, Charles J., Park Ridge, assignor Phenolic Corporation, Chicago, Ill. Pres 2,644,145, June 30.

Adams, Clark E.: *See*—
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Adams, Dale W., St. Francis, Kans. Conn construction members. 2,655,761, Oct. 20.

Adams, Dan B., Toledo, Ohio, assignor to C Glass Company. Pallet. 2,625,355, Jan.

Adams, David, Concord, Mass. Eggs hav shells. 2,660,530, Nov. 24.

Adams, Dennis A. W., Headingley, Leeds, R. I R. H. Wilson, Blackley, Manchester, Engla to Imperial Chemical Industries Limited. of hydroxy-indazoles. 2,645,642, July 14.

Adams, Dolor N.: *See*—
Wood, William H., and Adams.

Adams, Edgar W., Jr., Garden City, N. Y., as United States of America as represented by of the Navy. Recording method. 2,628,88

Adams, Edwin R., assignor to A. E. Kuerst Ind. Power unit for lawn mowers. 2,630

Adams, Ernest C., Jr.: *See*—
Calandra, Joseph C., and Adams.

Adams, Francis A., administratrix: *See*—
Adams, Max E.

Adams, Francis V.: *See*—
Daly, George F., and Adams.

Adams, Frank P., assignee: *See*—
Bourne, Gordon F., and Kennedy.

Adams, Fred G., assignor to General Manuf Distributing Company, Quincy, Mich. E heater. 2,650,287, Aug. 25.

Adams, Fred M., Shreveport, La. Animal alarm scratching device. 2,655,122, Oct. 13.

Adams, George D., Jr., and H. L. Humphries, Gotebo, Okla.; said Adams assignor to E. H. McDonald, Oklahoma City, Okla. Fishing rod holder. 2,661,563, Dec. 8.

Adams, George P., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Material weighing apparatus. 2,650,791, Sept. 1.

Adams, Gilbert T.: *See*—
Harrison, John B., and Adams.

Adams, Hal M., Robbins, N. C., assignor to Robbins Mills, Incorporated, New York, N. Y. Zero twist yarn tensioning device. 2,650,044, Aug. 25.

Adams, Jack J., assignor to The Dow Chemical Company, Midland, Mich. Emulsifying polymerizable compounds and effecting polymerization with the emulsions. 2,655,496, Oct. 13.

Adams, James F., St. Louis, R. L. Bauer, Brentwood, and G. E. Taylor, assignors to Monsanto Chemical Company, St. Louis, Mo. Fusion reactions, especially including production of phenols. 2,632,028, Mar. 17.

Adams, James S., Long Beach, and P. E. Wilson, Tujunga, Calif. Device for separating oil from water. 2,646,921, July 28.

Adams, James W., Beacon Falls, Conn., assignor to United States Rubber Company, New York, N. Y. Preparation of synthetic rubber-carbon black mixtures. 2,658,049, Nov. 3.

Adams, John R., Jr., Summit, and V. S. Salvin, Irvington, N. J., assignors to Celanese Corporation of America, New York, N. Y. Anthraquinone dyestuffs. 2,658,898, Nov. 10.

Adams, Johnny L., Independence, Mo. Power-operated push rake. 2,647,356, Aug. 4.

Adams, Jonathan A., New Market, Iowa. Basket yard rake. 2,652,680, Sept. 22.

Adams, Kenneth H.: *See*—
Doelling, George L., and Adams.

Adams, Leonard, Buffalo, N. Y. Device for working in ceramics. 2,638,653, May 19.

Adams, Max E., deceased, Wilkes-Barre, Pa., F. A. Adams, administratrix. Ticket dispensing apparatus. 2,639,148, May 19.

Adams, Max M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter pickup. 2,641,719, June 9.

Adams, Mozel A., Rayne, assignor of one-third to C. J. Fontenot, Welsh, one-third to A. B. Richard, Evangeline, and one-third to L. W. Fontenot, Welsh, La. Stripper pump. 2,641,187, June 9.

Adams, Paul R.: *See*—
Deloraine, Edmond M., and Adams.

Adams, Paul R., Cranford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio echo pulse system for vehicles following a fixed route. 2,641,688, June 9.

Adams, Randolph P., University City, Mo. Making rubber stamps. 2,655,693, Oct. 20.

Adams, Raphael J., Olympia, Wash. Writing sign. 2,645,048, July 14.

Adams, Rhoda, assignee: *See*—
Rockwell, Chauncey L.

Adams Rite Manufacturing Company, assignee: *See*—
Adams, Arthur R., Grizzard, and Cady.
Grizzard, Earle D., Collar, and Mitchell.

Adams, Simpson J., Abbeville, S. C. Stop motion for roving frames. 2,658,326, Nov. 10.

Adams, Soren S., Asbury Park, N. J. Explosive fountain pen. 2,640,297, June 2.

Adams, Stafford M. S., Windsor, Ontario, assignor to Truscon Steel Company of Canada, Limited, Walkerville, Ontario, Canada. Making metal cross bar joints. 2,641,825, June 16.

Adams, Thoings J., Manitowoc, Wis. Fishing kit. 2,634,541, Apr. 14.

Adams, William G., Richmond, Va. Portable crane. 2,661,854, Dec. 8.

Adams, William H., and W. D. Ervine, Kingston, England, assignors to Standard Oil Development Company. Engine corrosion preventive. 2,648,643, Aug. 11.

Adamson, Frank M.: *See*—
Cadwell, Clarence J., and Adamson.

Adamson United Company, assignee: *See*—
Collins, Don F.
Muller, Johan A.

Adamston Flat Glass Company, assignee: *See*—
Kramer, William M., and Fey.

Adamy, Kurt, and W. Bätz, assignors to August Enders Aktiengesellschaft, Oberrahmede, Germany. Magnetic trouble lamp. 2,654,022, Sept. 29.

Adcock, Herbert V., Zanesville, Ohio, assignor to McGraw Electric Company, Milwaukee, Wis. Electrical coil. 2,661,446, Dec. 1.

Adcock, Horace R., Shirley, Birmingham, assignor to A. C. Wickman Limited, Tile Hill, Coventry, England. Automatic drilling mechanism. 2,654,270, Oct. 6.

Adcock, Mack D., and A. E. Marston, Washington, D. C. Helical antenna array. 2,630,530, Mar. 3.

Adcock, Mack D., Los Angeles, Calif., and A. E. Marston, Washington, D. C. Helical antenna scanning system. 2,663,869, Dec. 22.

Addage Limited, assignee: *See*—
Evans, Cyril H.

Add-A-Handle Carton Company, assignee: *See*—
Robins, Irving.

Add-A-Handle Corporation, assignee: *See*—
Robins, Leonard J.

Addelston, Aaron: *See*—
Lawson, Elmer J., and Addelston.

Addicks, Mentor C., Minneapolis, Minn. Device for handling granular material. 2,646,965, July 28.

Addison, Harry W., Jr., Marshall, Minn. Scoop mounting and dumping mechanism. 2,631,745, Mar. 17.

Addison, John S., assignor to Addison-Semmes Corporation, Racine, Wis. Shipping package and pallet means. 2,633,982, Apr. 7.

Addison-Semmes Corporation, assignee: *See*—
Addison, John S.

Addressograph-Multigraph Corporation, assignee: *See*—
Brainard, George C., and Gruver.
Curtis, Franklin E.
Gammeter, Harry F.
Gollwitzer, Walter T.
Gruver, John H.
Selfried, Lyle W.
Van Dusen, Charles H., Jr., and Weissenborn.

Adelson, David E.: *See*—
Pritzker, George G., and Adelson.

Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,652,367, Sept. 15.

Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Organic ammonium hydrosulfide-hydrogen sulfide reaction products and producing the same. 2,654,733, Oct. 6.

Adelson, David E., and G. L. Perry, Berkeley, and G. G. Pritzker, Sausalito, assignors to Shell Development Company, San Francisco, Calif. Extreme pressure lubricant. 2,628,941, Feb. 17.

Adelson, David E., Berkeley, and R. E. Thorpe, Castro Valley, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,645,613, July 14.

Adelson, Samuel L., assignor to Infilco Incorporated, Chicago, Ill. Flow control system. 2,627,280, Feb. 3.

Aden, Clarence E., Milwaukee, Wis. Cam-lever controlled, slidable jaw wrench with toggle locking means. 2,650,511, Sept. 1.

Adglo, Inc., assignee: *See*—
Harrison, George R.

Adkins, Earl C., assignor to The Sheffield Corporation, Dayton, Ohio. Pneumatic gauging device. 2,637,200, May 5.

Adkins, Homer, Madison, Wis., J. E. Castle, Wilmington, Del., and E. E. Royals, Atlanta, Ga., said Castle and said Royals assignors to the United States of America as represented by the Secretary of the Navy. Preparation of substituted glycolurils. 2,633,469, Mar. 31.

Adkins, Homer B., Madison, Wis., assignor to the United States of America as represented by the Secretary of the Navy. Tetrachloroglycoluril derivatives as chlorine liberators in ointments. 2,638,434, May 12.

Adkins, Homer B., Madison, Wis., assignor to the United States of America as represented by the Secretary of the Navy. Preparation of dialkyl glycolurils. 2,654,763, Oct. 6.

Adkins, Robert T., Lakewood, and R. J. Kuschel, North Olmsted, Ohio. Copyholder. 2,633,828, Apr. 7.

Adkins, Robert T., Lakewood, and R. J. Kuschel, North Olmsted, Ohio. Copyholder. 2,650,569, Sept. 1.

Adkins, William L., Downey, Calif. Drinking fountain valve. 2,648,306, Aug. 11.

Adlake Company, The, assignee: *See*—
Ehret, Yale W.
Kessler, Ward P., and Hagerty.
Pressnall, Charles A.

Adlam, George, & Sons Limited, assignee: *See*—
Holford, Hastings J., and Challis.

Adler, Albert A., and H. J. Gerber, Baltimore, Md. Vehicle advertising. 2,632,970, Mar. 31.

Adler, Edward, New York, and A. Chiesa, Flushing, assignors to Etched Products Corporation, Long Island City, N. Y. Making circuit panels. 2,626,206, Jan. 20.

Adler, Herman G., Detroit, assignor to Novi Equipment Company, Novi, Mich. Governor structure. 2,635,596, Apr. 21.

Adler, Jack, St. Louis, Mo. Filing cabinet structure. 2,656,238, Oct. 20.

Adler, Jules M., Yonkers, N. Y. Protective cover for baby carriage contents. 2,646,843, July 28.

Adler, Karl, assignee: *See*—
Abt, Franz.

Adler, Leon, St. Louis, Mo. Making a miniature packet. 2,653,120, Sept. 22.

Adler, Milton, New York, N. Y. Mechanical figure simulating pouring and drinking liquid. 2,639,547, May 26.

Adler, Robert, assignor to Consolidated Electric Company, Chicago, Ill. Method and apparatus for signal communication. 2,649,503, Aug. 18.

Adler, Robert, Northfield, Ill., assignor to Zenith Radio Corporation. Cathode structure for electron-discharge devices. 2,650,999, Sept. 1.

Adler, Samuel: *See*—
Corwin, Jerome, and Adler.

Adler, William F., Pittsburgh, Pa. Transportation system and equipment. 2,650,731, Sept. 1.

Admiral Corporation, assignee: *See*—
Carlson, Reuben C.
Eck, Floyd R.
Hinz, Henry E., and Fletcher.
Mather, Harold C.
Morton, Evans T.
Redfield, George E.
Swanson, Edward W.
Swanson, Edward W., and Radke.

Adorney, Charles S., Forest Hills, L. D. Gill, Brooklyn, N. Y., and J. G. McIlvain, Jr., Downingtown, Pa., assignors to Oakite Products, Inc., New York, N. Y. Dispensing box. 2,654,525, Oct. 6.

Adrema Limited, assignee: *See*—
Kerr, Robert L.
Kerr, Robert L., and Albrecht.

Adrema Maschinenbau G. m. b. H., assignee: *See*—
Ostwaldt, Erich.

Address-It Corporation, assignee: *See*—
Sauerman, Ernst C., Hopkins, and Joseph and John Erwood.

Addressograph-Multigraph Corporation, assignee: *See*—
Wallace, George H.

Adelman, Samuel V., trustee, assignee: *See*—
Solomon, Louis.

Adrian, Frank L., Westville, Ill. Cup. 2,632,319, Mar. 24.

Adrian, Joseph, assignor to Super Speed Printing Machinery, Inc., Cleveland, Ohio. Hydraulically operated paper cutter. 2,649,154, Aug. 18.

Ads Metal Products Co., Inc., assignee: *See*—.
Schwarz, Fred.

Adshead, Charles W., assignor to Setright Registers Limited, London, England. Ticket printing and issuing machine. 2,659,300, Nov. 17.

Advance Holding Corporation, assignee: *See*—
Littman, Lawrence.

Advance Machine Company, assignee: *See*—
Arones, Daniel A.

Advance Pattern Co., Inc., assignee: *See*—
Luisada, August G.

Advance Solvents & Chemical Corporation, assignee: *See*—
Mack, Gerry P., and Parker.
Mack, Gerry P., and Savarese.

Advance Transformer Co., assignee: *See*—
Dahl, Robert E.

Adzima, George R., assignor to The Westfield Manufacturing Company, Westfield, Mass. Bicycle kick stand construction. 2,657,941, Nov. 3.

Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. Phenolic ester resins. 2,649,422, Aug. 18.

Aeppli, Albert, assignor to Maag-Zahnrader und-Maschinen A. G., Zurich, Switzerland. Grinding wheel trueing device. 2,634,556, Apr. 14.

Aeroquip Corporation, assignee: *See*—
Rundell, Harwood F.

Aertker, John J., Jr., assignee: *See*—
Trapani, August G., Jr.

Aero Supply Mfg. Co. Inc., assignee: *See*—
Downey, George T., Rosengren, and Forrester.

Aero Zipp Fasteners Limited, assignee: *See*—
Weber Vitészlav.

Aerofin Corporation, assignee: *See*—
Fritzberg, Lawrence H.

Aeroflex Laboratories, Inc., assignee: *See*—
Tschudi, Erwin W.

Aerojet-General Corporation, assignee: *See*—
Coxe, Winthrop K., and Merboth.
Maisner, Herman.
Wolfe, Charles M., and Miller.
Wolfe, Charles M., Shultise, and Grow.

Aerolex Limited, assignee: *See*—
Harley, Frank B.

Aeronautical Communications Equipment, Inc., assignee: *See*—
Epperson, William H.

Aeronca Manufacturing Corporation, assignee: *See*—
Kalb, George L.

Aeroquip Corporation, assignee: *See*—
Charlson, Lynn.
Kaiser, Rudolf.
Laffoon, Charles A.
La Marre, Roger R.

Aerosol Corporation of America, assignee: *See*—
Dautrebande, Lucien.

Aerovox Corporation, assignee: *See*—
Brown, Harold J.
Kohring, Wilbur M.

Aeschlimann, John A., Montclair, N. J., and A. Stempel, Brooklyn, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J. 3-hydroxyphenyl quaternary ammonium compounds. 2,647,924, Aug. 4.

"Aesculapius" S. r. l., assignee: *See*—
Masellis, Francesco P.

Aetna Standard Engineering Company, The, assignee: *See*—
Hale, Andrew, and Kullgren.
Matteson, Elwin A.
Rodder, William.
Snyder, Perry G.
Strock, Donn V.

Afco-Lite Corporation, assignee: *See*—
Rusnak, William.

Affel, Herman A., Jr., Philadelphia, and R. A. ... side, assignors to Philco Corporation, Phila... Polarizing antenna for cylindrical waves. ... May 5.

Affiliated Gas Equipment, Inc., assignee: *See*—
Cerny, Joseph A., and Green.
Erwin, Lee R., and Griffith.

Affiliated Lithographers, Inc., assignee: *See*—
King, Elmore L.

Affleck, Theodore H., North Hollywood, assign... T. Seale, Inc., Los Angeles, Calif. Trailer ... apparatus. 2,636,576, Apr. 28.

Agar, George W. A., Wellington, New Zealand, ... and apparatus for the manufacture of roof... the like. 2,644,217, July 7.

Agar, George W. A., assignor to Atlas Prod... Limited, Wellington, New Zealand. Appar... manufacture of roofing tiles and the like. ... Sept. 1.

Agate, Murray D., assignee: *See*—
Murray, Michael F.

Agee, Floyd A., Los Angeles, Calif. Apparatu... pleated material. 2,632,495, Mar. 24.

Ager, Drez, Miami, Fla. Roof gutter. 2,646,0...

Ager, Ronald, Miami Beach, Fla. Apparatu... ing cementious finish. 2,654,935, Oct. 13.

Aggson, Robert E., assignor of forty per ce... Cook, Azalea, Oreg. Dispensing containe... and the like. 2,653,706, Sept. 29.

Aghnides, Elie P., New York, N. Y. Gas and l... device. 2,633,343, Mar. 31.

Aglinides, Elie P., New York, N. Y. Fluid m... 2,664,278, Dec. 29.

Agins, George, assignor to Arma Corporatio... N. Y. Electromechanical calculating ... 2,625,327, Jan. 13.

Agins, George, Brooklyn, and C. D. Bock, ... assignors to Arma Corporation, Brooklyn, N... lating instrument. 2,635,224, Apr. 14.

Agins, George, Santa Monica, Calif., assignor ... poration, Brooklyn, N. Y. Erecting devi... scopes. 2,625,825, Jan. 20.

Agneberg, Wilman N., Minneapolis, Minn. ... 2,634,159, Apr. 7.

Agnew, Albert B., Philipsburg, Pa., and F. J. R... Ill. Square checker-brick. 2,651,515, Se...

Agnew, Edward A., Whittier, Calif. S... 2,636,129, Apr. 21.

Agnew, John S., Toronto, Ontario, Canada. ... device for water tanks. 2,655,665, Oct. 20.

Agosti, Dora, Zurich, Switzerland. Mas... 2,646,039, July 21.

Agrashell, Inc., assignee: *See*—
Perry, Joseph C.

Agriculture, United States of America as re... the Secretary of, assignee: *See*—
Alexander, Kliem, and Schniepp.
Arthur, Jett C., Jr., and Hogan.
Belter, Paul A., Smith, Deobald, Singer, ...
Bickoff, Emanuel M.
Black, David G.
Brown, Amon H., Kilpatrick, and Lazar.
Campbell, Tod W., and Coppinger.
Carson, John F.
Cording, James, Jr., and Shaines.
Cowan, John C., and Evans.
Cowan, John C., Falkenburg, and Lewis.
Daul, George C., Reid, and Reinhardt.
Davis, Howard A., Wolff, and Cluskey.
Drake, George L., and Guthrie.
Dyonch, William, and Mehltretter.
Evans, Cyril D., Cowan, and Schwab.
Fein, Martin L., and Fisher.
Fisher, Charles H., and Mast.
Gordon, Willis O., and Veldhuis.
Hall, Harlow H.
Hanson, Helen L., and Lineweaver.
Hodge, John E.
Jones, Edwin P., and Cowan.
Koepsell, Harold J., Tsuchiya, and Hellma...
Krewson, Charles F.
Larkin, Roger A.
Laundgren, Harold P., and Fong.
Lawrence, Ray V., and Eckhardt.
Lohmar, Rolland L., Jr.
Lundgren, Harold P., Fong, and Yeiser.
MacMasters, Majel M.
Mayer, Mayer, Jr., and Kyamé.
McKennon, Forrest L., and Lawrence.
Mehltretter, Charles L., and Rankin.
Merkel, Charles M., Bennett, and Wright
Miers, Jackson C., and Owens.
Olcott, Harold S., and Campbell.
Owens, Harry S., Stark, and Goodban.
Pfeifer, Virgil F., Nelson, Vojnovich, an...
Ratchford, William P.
Reeves, Wilson A., Drake, and Hoffpauir
Rehberg, Chessie E., and Fisher.
Schwab, Arthur W., and Dutton.
Schwab, Arthur W., Cooney, and Evans.
Schwab, Arthur W., Evans, and Cooney.
Slotter, Richard L., and Delap.
Stafford, Harry L.
Stitt, Fred, Tomimatsu, and Tjensvold.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—Continued.
Swern, Daniel.
Swern, Daniel, and Jordan.
Talburt, William F., and Guadagni.
Talley, Eugene A., and Yanovsky.
Teeter, Howard M., and Cowan.
Wasserman, Theodore, and Lazar.
Westergaard, Richard.
Williamson, Robert V.
Wolf, Michael J., and Fitton.

Agron, Jack, assignor of thirty-two and one-half per cent to M. Rosen, Los Angeles, Calif. Adjustable brush holder support for dynamoelectric machines. 2,632,860, Mar. 24.

Aguettaz, Flory G., Butte, Mont. Christmas tree holder. 2,634,070, Apr. 7.

Aguilar, John G., and W. A. Cox, San Francisco, Calif. Fruit stemming machine. 2,656,867, Oct. 27.

Agule, George J., Stamford, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. Electron tube. 2,625,664, Jan. 13.

Agule, George J., Stamford, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. Electron tube. 2,640,168, May 26.

Agule, George J., Stamford, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. Electron discharge device. 2,648,025, Aug. 4.

Agule, George J., Stamford, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Sealing the envelopes of vacuum tubes. 2,654,822, Oct. 6.

Agule, George J., Stamford, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. Filament structure. 2,659,023, Nov. 10.

Aguinek, Harry: *See*—
Mishcon, Samuel, and Aguinek.

Ahern, Jack A., executor, assignee: *See*—
Wilson, Frank C.
Wilson, Frank C., and Silliman.

Ahlbrecht, Arthur H., White Bear Township, Ramsey County, T. S. Reid, New Canada Township, Ramsey County, and D. R. Husted, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorinated acrylates and polymers. 2,642,416, June 16.

Ahlburg, Desda E., assignee: *See*—
Gibson, Harry L.

Ahles, Robert D., Schenectady, N. Y., assignor to General Electric Company. Cast tool steel. 2,662,010, Dec. 8.

Ahlfors, Sten E. E., Hedemora, Sweden. Wet-treating fibrous matters. 2,632,366, Mar. 24.

Ahlfors, Sten E. E., Hedemora, Sweden. Apparatus for wet-treating fibrous matters. 2,653,521, Sept. 29.

Ahlijian, Kirk, Cranston, R. I., assignor to Fram Corporation. Center core seal for filter elements. 2,654,483, Oct. 6.

Ahlmann, Nikolai, Copenhagen, Denmark, assignor to F. S. Smidth & Co., New York, N. Y. Method and apparatus for vibratory grinding. 2,650,033, Aug. 25.

Ahlmeyer, Heinz, Tappan, and W. D. Sherman, West Nyack, assignors to Robert Gair Company Inc., New York, N. Y. Machine for assembling paperboard partitions. 2,643,590, June 30.

Ahnell, Karl J., Erie, Pa., assignor to General Electric Company. Hatchway closure. 2,663,268, Dec. 22.

Ahrens-Fox, Inc., assignee: *See*—
Nepper, Richard C.

Ahrens, Gerhard W., New York, N. Y., assignor to Econometal Corporation. Electrodeposited composite article and making the same. 2,642,654, June 23.

Aichberger, Maria, assignor to M. Aichberger, Vienna, Austria. Garment display device. 2,629,523, Feb. 24.

Aicher, John O., Cleveland Heights, Ohio, assignor to General Electric Company. Measuring radiation. 2,636,992, Apr. 28.

Aickin, Robert G., London, and A. R. Munden, assignors to British Nylon Spinners Limited, Pontypool, England, and Shell Development Company, Emeryville, Calif. Textile treating composition and method. 2,664,409, Dec. 29.

Aiello, Richard V. and R., Wampun, Pa. Curtain fixture. 2,634,078, Apr. 7.

Aiello, Robert: *See*—
Aiello, Richard V. and R.

Aigrain, Pierre R., New York, N. Y., and J.-B. Lair, Nutley, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Speech communication system. 2,640,880, June 2.

Aigrain, Pierre R., assignor to International Standard Electric Corporation, New York, N. Y. Volume control for pulse code modulation. 2,643,293, June 23.

Aigrain, Pierre R., assignor to International Standard Electric Corporation, New York, N. Y. Signal translation system. 2,660,618, Nov. 24.

Aines, Andrew A., United States Army, Petersburg, Va. Mechanical footwear testing machine. 2,638,776, May 19.

Ainsley, Edward J.: *See*—
Dodd, Sidney R., and Ainsley.

Ainsworth, Arthur R., and J. B. Miller, assignors to Cye-Arc Limited, London, England. Apparatus for electric arc stud welding. 2,640,133, May 26.

Ainsworth, Benjamin J., and E. J. Courts, Los Angeles, Calif.; said Courts assignor to said Ainsworth. Tire pressure responsive safety device. 2,629,086, Feb. 17.

Ainsworth, Chester D., Wollaston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cross blast circuit breaker with arcing contacts controlling orifice of arcing chamber. 2,645,694, July 14.

Ainsworth, Freedom H., assignor to The Wayne Pump Company, Salisbury, Md. Flow control nozzle for gasoline dispensers. 2,627,418, Feb. 3.

Ainsworth, George, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,631,703, Mar. 17.

Ainsworth, George, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,634,837, Apr. 14.

Ainsworth, George O., and E. E. Prather, assignors to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,631,701, Mar. 17.

Ainsworth, Mark, Kansas City, Mo. Lockable slide bolt assembly for doors and the like. 2,631,877, Mar. 17.

Air Associates, Inc., assignee: *See*—
Kupiec, Harry P., and Gravenhorst.

Air and Refrigeration Corporation, assignee: *See*—
Fleisher, Walter L.

Airborne Instruments Laboratory, Inc., assignee: *See*—
Dorne, Arthur.

Aircall, Inc., assignee: *See*—
Florac, Richard R.
Hicks, Walter R.

Air Control Products, Inc., assignee: *See*—
Leigh, Robert L.

Air Controls, Inc., assignee: *See*—
Frick, Edward J.
Schwarz, Gerald L.

Aircooled Motors, Inc., assignee: *See*—
Bynum, George T.

Aircraft-Marine Products Inc., assignee: *See*—
Asaff, Annis G.
Berg, Quentin.
Macy, James C.
Parsons, Kenneth M.
Pollock, S. Wilson.
Schilling, Clarence J.
Swengel, Robert C.
Watts, William S.

Aircraft Radio Corporation, assignee: *See*—
Drake, Frederick H., and Johanson.
McCouch, Gordon P.

Air Cushion Sales Co., Inc., assignee: *See*—
Ragsdale, James E.

Air Devices, Inc., assignee: *See*—
O'Day, Cortland N.

Airex Manufacturing Co., Inc., assignee: *See*—
Cowen, Lawrence, and Solovioff.

Air Filter Corporation, assignee: *See*—
Breckheimer, Raymond J.

Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Andersen, John H., Jr.
Dunegan, Harry C.
Eckert, Ernst R. G., and Zobel.
Hartline, Haldan K., Rawson, and Legallais.
Hirtreiter, Walter J.
Holzwarth, Hans T.
Howell, Wallace E.
Kamm, Wunibald I. E., Krautter, and Stalger.
Krautter, Willy F., Kamm, and Stalger.
Maximoff, Boris S.
Oetjen, Robert A.
Petersen, Clifford C.
Silvester, Austin G.
Stankey, John E.
Trachtenberg, Robert.
Vann, James O.
Wood, William W., Jr.
Wood, William W., Jr., and Lundquist.
Zobel, Theodor W.

Airheart Products, Inc., assignee: *See*—
Cagle, Toby T.

Airkem, Inc., assignee: *See*—
Meek, George W.
Meek, George W., and Wheeler.

Airlie, John, Glasgow, and W. W. Mackay, Stewarton, Scotland, assignors to Carrick Engineering (Stewarton) Limited, London, England. Grinding attachment. 2,626,488, Jan. 27.

Air-Maze Corporation, assignee: *See*—
Brixius, Jacob K., and Savitz.
Glanzer, Clarence J.
Savitz, Christian W.
Walton, George M., and Brown.

Airnesco Products Limited, assignee: *See*—
Nesham, John E. C.

Air-O Fan Products Corporation, assignee: *See*—
Fish, Richard H.
Robinson, Mayes R.
Wright, David P., and Fish.

Air Preheater Corporation, The, assignee: *See*—
Ballard, Clayton A.
Hammond, William E.
Hammond, William E., and Ballard.
Hammond, William E., and Karlsson.
Hodson, Peter.
Hodson, Peter, and Lundstrom.
Holm, Sven.
Holm, Sven, and Hammond.
Lyerly, Ray L., and Holm.

Air Products Incorporated, assignee: *See*—
Anderson, Carl R.
Pavlis, Frank E.
Pool, Leonard P.
Schilling, Clarence J.
Steele, Arthur E.

Air Reduction Company, Incorporated, assignee: *See*—
Anderson, Nelson E.
Anderson, Nelson E., and Sullivan.
Crowe, John J.
Garrison, Van Buskirk.
Gilroy, John, and Wiese.
Hoover, Charles O.
Hughey, Howard G.
Kuntz, Wellington W., Jr.
McFarlin, Charles J.
Rudolph, Jacob P.
Seitz, Rudolph O.
Senesky, John S.
Tyrner, Joseph M.

Airs, Raymond S., Hooton, Wirral, and V. W. David, Chester, England, assignors to Shell Development Company, San Francisco, Calif. Extreme pressure lubricants. 2,653,910, Sept. 29.

Air-Shields, Inc., assignee: *See*—
Gibbon, Samuel Y.

Airtron, Inc., assignee: *See*—
Carr, Robert S.
Hamilton, Jean W.
Ingalls, David, and Anderson.

Air Valve, Inc., assignee: *See*—
Wright, Otis A., Goddard, and Cole.
Wright, Otis A., Goddard, and Wilkinson.

Air-Way Electric Appliance Corporation, assignee: *See*—
Dow, Dewey M.

Aitcheson, Thomas G., Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass. Adjustment mechanism for microscopes. 2,645,972, July 21.

Aitchison, Robert B., Jackson Heights, N. Y., H. L. Hicks, Barre, Vt., and J. R. Craig, Wellesley, Mass., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Flame finishing of granite surfaces. 2,655,909, Oct. 20.

Ajam, Mustafa J., Amherst, N. H., and C. A. Bergman, Melrose, assignors to Standard Duplicating Machines Corporation, Everett, Mass. Stripper pin for sheet feeding machines. 2,654,600, Oct. 6.

Ajam, Mustafa J., Amherst, N. H., J. R., Paradis, Malden, and C. A. Bergman, Melrose, assignors to Standard Duplicating Machines Corporation, Everett, Mass. Adjusting mechanism for master copies on duplicating machines and the like. 2,661,688, Dec. 8.

Ajax Buff Company, assignee: *See*—
Ruthven, William.

Ajax Manufacturing Company, The, assignee: *See*—
Crilley, William W.

Ajax Metal Company, The, assignee: *See*—
Wyatt, James R.

Ajax Pickers, Inc., assignee: *See*—
Hanscom, Harris F.

Ajax Thermostatic Controls Company, The, assignee: *See*—
Schoenfeld, Henry F., and Smithisler.

Ajdukovich, George, St. Louis, Mo. Hernial truss. 2,658,509, Nov. 10.

Ajero, Fortunato S.: *See*—
Juzwink, Edmond A., and Ajero.

Ajero, Fortunato S., Chicago, Ill., assignor to Ezee Flow Corporation. Feeding mechanism for spreader and seeder apparatus. 2,626,729, Jan. 27.

Ajero, Fortunato S., Chicago, Ill., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Seeder and planter apparatus. 2,661,124, Dec. 1.

Akai, Saburo, Ohta-Ku, Tokyo, Japan. Phonomotor or a small-type electric motor for phonographs. 2,642,750, June 23.

Akaboshi, Michijiro: *See*—
Tomonari, Tsukumo, and Akaboshi.

Akans, William R., Birmingham, Ala. Collapsible camera tripod. 2,627,386, Feb. 3.

Ake, Paige W., and J. T. Lester, Tampa, Fla., said Ake assignor to said Lester. Antipuckering means for sofa bed upholstery. 2,654,099, Oct. 6.

Akely, William S., assignor to The Guardian Export Packers Corporation, Oak Park, Ill. Fluorescent lighting fixture having air-cooled lamp and ballast chamber. 2,641,687, June 9.

Akerley, Robert G., Beverly, Mass. Flashlight having a sealed flexible casing. 2,632,094, Mar. 17.

Akerlind, Hilmer G. A., Stora Essingen, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Reduction valve for pressure liquids. 2,662,349, Dec. 15.

Akers, Edward G., assignor to M. O. Johnston, Glendale, Calif. Device for sealing wire lines, including a cable having spaced sealing members. 2,639,692, May 26.

Akron Hardware Mfg. Corp., assignee: *See*—
Gerson, Fred.

Akron Plating Company, assignee: *See*—
Drayer, Cleon E.

Akron Products Company, The, assignee: *See*—
Lichty, Paul E., and Houseworth.

Akron Standard Mold Company, The, assignee: *See*—
Bostwick, Henry C.

Akshun Mfg. Co., assignee: *See*—
Lees, Gerald M.

Aktiebolaget Addo, assignee: *See*—
Ohlsson, Sven O.

Aktiebolaget Alka Aluminiumkapslar, assignee: *See*—
Jonsson, Einar J.

Aktiebolaget Atlas Diesel, assignee: *See*—
Danielsson, Jan P.
Munck af Rosenschöld, John R.

Aktiebolaget Beckerbat, assignee: *See*—
Becker, Harry A.

Aktiebolaget Bofors, assignee: *See*—
Aldrin, Henry W., and Gerdin.
Ericsson, Valter E.
Killer, Nils-Erik G., and Thorildsson.
Nordfors, Kurt M.
Palme, Karl B.
Palsson, Lennard P.

Aktiebolaget Dixma, assignee: *See*—
Lydfors, John.

Aktiebolaget A. Ekstroms Maskinaffar, assignee: *See*—
Jönsson, Nils W., and Lindgren.

Aktiebolaget Elektrolux, assignee: *See*—
Bäckström, Sigurd M.
Bilde, Tord E. D., and Hultberg.
Boren, Karl G.
Carlstedt, Fredrik.
Deutgen, Ragnar E.
Forsberg, Axel A.
Grubb, Gunnar A.
Hansson, Erik O. H.
Hellstrom, Axel G.
Hultberg, Rolf B. J.
Karlstrom, Johan F. R.
Kögel, Wilhelm G.
Tandberg, John G.
Ullstrand, Hugo M.

Aktiebolaget Enköpings Verkstader, assignee: *See*—
Emanuel af Geijerstam, Erik O.

Aktiebolaget Färe Armaturfabrik, assignee: *See*—
Salomonsson, Sven G.

Aktiebolaget Ferrosan, assignee: *See*—
Rosdahl, Karl-Gustaf.

Aktiebolaget L. Gabrielsson & Co., assignee: *See*—
Wander, John F.

Aktiebolaget Gotaverken, assignee: *See*—
Johansson, Johan E.

Aktiebolaget Jonkopings Motorfabrik, assignee: *See*—
Östergren, Gustaf.

Aktiebolaget Kamyr, assignee: *See*—
Johansen, Rolf J.
Richter, Johan C. F. C.

Aktiebolaget Kanthal, assignee: *See*—
Rehnqvist, Nils G., and Hildebrand.

Aktiebolaget Max Sievert, assignee: *See*—
Ericsson, Karl E., and Geber.

Aktiebolaget Överums Bruk, assignee: *See*—
Berg, Claes, Carlsson, and Ekman

Aktiebolaget Pharmacia, assignee: *See*—
Grönwall, Anders J. T., and Ingelman.

Aktiebolaget Separator, assignee: *See*—
Aspegren, John A.
Bierke, Svante F. N.
Dahlstedt, Per A.
Eckers, Carl G.
Erling, Sven J.
Hanno, Tore V.
Hytte, Robert P. L.
Ramqvist, Tryggve T.
Staaff, Per H.
Zachariassen, Stig H.

Aktiebolaget Separator, assignee: *See*—
Magni, Karl G.

Aktiebolaget Separator-Nobel, assignee: *See*—
Braae, Ben.

Aktiebolaget Skanska Cementgjuteriet, assignee: *See*—
Georgii, Hans P., and Engström.

Aktiebolaget Stockholms Bryggerier, assignee: *See*—
Groth, Kjell J. I., Hellsten, and Sandegren.

Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Gothberg, Karl E. A., and Sandahl.
Palmgren, Nils A.
Ruist, John T.
Törnebohm, Hilding V.

Aktiebolaget Svetsmekano, assignee: *See*—
Slettengren, Anders I. K.

Aktiebolaget Tegelindustriella Bryan, assignee: *See*—
Nilsson, Hans E.

Aktiebolaget Teximpex, assignee: *See*—
Worm, Hugo F.

Aktiebolaget Urfabriken, assignee: *See*—
Murvall, Ake E.

Aktiebolaget Volvo, assignee: *See*—
Larborn, Åke O. J.

Aktiebolaget Wicanders Korkfabriker, assignee: *See*—
Wolke, Berndt S.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See—*
Amstutz, Arnold.
Baumann, Hans.
Cuny, Robert.
Darrieus, Georges.
Meyerhans, August, and Hartmann.
Waltert, August.
Wideröe, Rolf.
Wiedemann, Eugen.
Zaba, Tadeusz.

Aktiengesellschaft der Eisen- und Stahlwerke, vormals Georg Fischer, assignee: *See—*
Von Zelewsky, Ottomar.

Aktiengesellschaft Fuer Technische Studien, assignee: *See—*
Brunner, Paul.
Keller, Curt.

Aktiengesellschaft vormals B. Siegfried, assignee: *See—*
Ursprung, Rudolf A.

Aktieselskabet Volund, assignee: *See—*
Brabaek, Jorgen.

Aladdin Industries, Incorporated, assignee: *See—*
Berge, Godshalk.
Bramming, Carl.
Engh, Walter B.

Alamagny, Marcel A. C. Saint-Cloud, France. Automobile body having pivoted end sections. 2,656,214, Oct. 20.

Alba, Ralph T.: *See—*
Wallerstein, James S., Hale, Alba, and Levy.

Albano, Alphonso F., Poughkeepsie, N. Y. Circulating means for automatic cookers or washers. 2,638,767, May 19.

Albano, Edmond, New York, N. Y. Multiple extension drop-leaf table. 2,643,924, June 30.

Albano, Edmond, New York, N. Y. Completely reversible window. 2,648,878, Aug. 18.

Albano, Vincent J., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Forming a point at the end of a wire. 2,628,936, Feb. 17.

Albany, Stanley J., Pasadena, Calif. Slat awning. 2,655,697, Oct. 20.

Albarrane, Adrien, Paris, France. Electric resistance welding tool. 2,656,446, Oct. 20.

Albee, Arthur C., Hollywood, and H. C. Ward, Los Angeles, Calif., assignors to Radio Corporation of America. Magnetic sound system. 2,658,951, Nov. 10.

Albee, Wilder J., Tampa, Fla. Game apparatus. 2,659,163, Nov. 17.

Albertoli, Gilbert P.: *See—*
Albertoli, John and G. P.

Albertoli, John and G. P., San Francisco, Calif. Unscrambler for cans. 2,633,971, Apr. 7.

Albers-Schoenberg, Ernst, Metuchen, assignor to Steatite Research Corporation, Keasbey, N. J. Heavy-metal oxide resistors and making same. 2,626,445, Jan. 27.

Albers, William F., Florissant, Mo. Clothesline reel unit. 2,650,041, Aug. 25.

Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave-guide elbow. 2,649,578, Aug. 18.

Alberstein, Harry W., Clayton, Mo. Device for inserting heels into ladies' shoes. 2,631,310, Mar. 17.

Albert, Calvin, Brooklyn, N. Y. Sculpturing. 2,641,859, June 16.

Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stannous complexes and their preparation. 2,626,954, Jan. 27.

Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of synthetic rubber with new stannous complexes of aromatic amines. 2,632,754, Mar. 24.

Albert, Jerome G., Chicago, Ill. Foldable coat hanger. 2,663,470, Dec. 22.

Albert, Willard S.: *See—*
Boyer, John L., and Albert.

Albert, William J., South Bend, Ind. Auxiliary drain plug. 2,661,860, Dec. 8.

Albertson, Walter H., High Point, N. C., and R. L. Mittelstadt, assignors to Paramount Textile Machinery Co., Kankakee, Ill. Hosiery drying form. 2,661,877, Dec. 8.

Albi Manufacturing Co., Incorporated, assignee: *See—*
Juda, Walter, Jones, and Altman.

Albin, Tom B.: *See—*
Sommer, Harry J., Albin, and Williams.

Albisetti, Charles J., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of monomeric open-chain delta, epsilon-unsaturated carbonyl compounds. 2,628,252, Feb. 10.

Albisetti, Charles J., Jr., and N. G. Fisher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing unsaturated nitriles. 2,641,607, June 9.

Albiswerk Zurich A. G., assignee: *See—*
De Stadelhofen, Jean M., Müller-Strobel, Patry and Strub.

Alboreo, Andrew J., and M. W. Pratt, Akron, Ohio. Toothbrush and toothpaste kit. 2,662,535, Dec. 15.

Albrecht, Alexander J.: *See—*
Dressel, Arthur, and Albrecht.
Huck, William F., Heller, and Albrecht.

Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet conveyer. 2,639,664, May 26.

Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Sheet registering mechanism. 2,642,283, June 16.

Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Front stop assembly. 2,643,881, June 30.

Albrecht, Alexander J., West New York, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Means for constructing printing plates. 2,663,349, Dec. 22.

Albrecht, Carl F.: *See—*
Brown, Frank M., and Albrecht.

Albrecht, Fritz, and H. D. Wolfe, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Strain gauge pulse system. 2,633,019, Mar. 31.

Albrecht, Harold W.: *See—*
Sutherland, Edwin M., and Albrecht.

Albrecht, Henry P., K. H. Wilson, and N. M. Clark, assignors to Wilson-Albrecht Co. Inc., Minneapolis, Minn. Connecting structure. 2,635,717, Apr. 21.

Albrecht, Henry P., and K. H. Wilson, assignors to Wilson-Albrecht Co., Inc., Minneapolis, Minn. Scaffold support. 2,636,785, Apr. 28.

Albrecht, Karl, Maplewood, N. J., assignor to Forstner Chain Corporation. Cuff link. 2,632,931, Mar. 31.

Albrecht, Karl, Maplewood, N. J., assignor to Forstner Chain Corporation. Bracelet end connection. 2,663,924, Dec. 29.

Albrecht, Otto, Neue Welt, near Basel, assignor to Ciba Limited, Basel, Switzerland. Compositions for the improvement of fastness properties of dyeings and printings of water-soluble dyestuffs. 2,631,920, Mar. 17.

Albrecht, Otto, Muenchenstein, and A. Maeder, assignors to Ciba Limited, Basel, Switzerland. Preparing tertiary acrylic acid esters from acetylene. 2,653,969, Sept. 29.

Albrecht, Robert, assignor, by mesne assignments, to Strong Cobb & Company, Inc., Cleveland, Ohio. Tablet hardness testing machine. 2,645,936, July 21.

Albrecht, Rudolf: *See—*
Kerr, Robert L., and Albrecht.

Albright, Edward G., Jr., Lynwood, Calif. Universal sheave block. 2,654,571, Oct. 6.

Albright, Franklin C., assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft undercarriage. 2,637,512, May 5.

Albright, John J., Jr., Syracuse, N. Y. Float operating inlet control valve mechanism. 2,631,602, Mar. 17.

Albright, John R., assignor to Geo. D. Roper Corporation, Rockford, Ill. Pilot operated relief valve for pumps and the like. 2,639,725, May 26.

Albright, Robert B., assignor to Philco Corporation, Philadelphia, Pa. Antenna for television receivers. 2,642,528, June 16.

Albritton, John W., Pasadena, Calif. Cutting implement. 2,656,601, Oct. 27.

Albro, Walter, Jamestown, N. Y. Clip retaining pocket attachment. 2,644,991, July 14.

Alburger, James R., Los Angeles, Calif. Radio broadcast system. 2,652,536, Sept. 15.

Alburn, Harvey E., Philadelphia, Pa., assignor, by mesne assignments, to American Home Products Corporation, New York, N. Y. Alginic acid sulfate production. 2,638,469, May 12.

Alburn, Harvey E., Philadelphia, Pa., assignor, by mesne assignments, to American Home Products Corporation, New York, N. Y. Production of alginic acid sulfate. 2,638,470, May 12.

Albus, Charles P.: *See—*
Sundberg, Robert L., Albus, and Cross.

Alco Valve Company, assignee: *See—*
Houghton, Lyle S.
Kounovsky, Edward F.
McIlvaine, Douglas K., and Myers.
Rose, Howard E., MacDougall, and Schoen.
Vargo, Frank J.

Alcock, Edmund H.: *See—*
Thomas, Edward B., and Alcock.

Alcorn, Irwin W., Houston, Tex., assignor to The Pure Oil Company, Chicago, Ill. Dead weight tank for testing the bearing value of a column. 2,639,611, May 26.

Alcorn, Irwin W., and D. F. Dial, Jr., Houston, Tex., assignors to The Pure Oil Company, Chicago, Ill. Floating telescopic piling template. 2,651,181, Sept. 8.

Alcorn, Irwin W., Houston, Tex., assignor to The Pure Oil Company, Chicago, Ill. Floating storage tank. 2,655,888, Oct. 20.

Alcorn, James D.: *See—*
Woodruff, Leo B., Alcorn, and Hammerstrom.

Alcorn, Robert L., Jr., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Impact forging. 2,636,350, Apr. 28.

Aldeborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Locking means for snap gauge measuring pins. 2,640,270, June 2.

Alden, Carroll R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Heat exchange device and temperature control therefor. 2,631,218, Mar. 10.

Alden, Carroll R., Detroit, Mich., assignor to American Bosch Corporation, Springfield, Mass. Fuel injection system. 2,653,584, Sept. 29.

Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Lubricant seal. 2,631,071, Mar. 10.

Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Differential mounting and carrier. 2,651,216, Sept. 8.

Alden, Milton, Wellesley, Mass. Recorder drum for facsimile apparatus. 2,636,801, Apr. 28.

Alden, Milton, Wellesley, Mass. Resilient solder terminal. 2,640,185, May 26.

Alden, Milton, Wellesley, Mass. Recorder. 2,655,427, Oct. 13.

Alden Products Co., assignee: *See—*
Nyman, Alexander.

Alder, Orin J., and F. Jacobs, Boise, Idaho. Baseball batting tee. 2,652,250, Sept. 15.

Alderfer, Sterling W.: *See—*
Thompson, Robert D., Alderfer, and Bosshard.

Alderfer, Sterling W., assignor of three-tenths to E. D. Andrews, Akron, Ohio. Process and apparatus for the manufacture of sponge rubber products. 2,628,654, Feb. 17.

Alderfer, Sterling W., assignor of three-tenths to E. D. Andrews, Akron, Ohio. Fabric coated sponge rubber and making same. 2,648,619, Aug. 11.

Alderfer, Sterling W., assignor of three-tenths to E. D. Andrews, Akron, Ohio. Sponge rubber product. 2,649,391, Aug. 18.

Alderfer, Sterling W., assignor of three-tenths to E. D. Andrews, Akron, Ohio. Apparatus for the manufacture of foamed products. 2,658,736, Nov. 10.

Alderman, Dale, Birmingham, Mich. Grinding wheel dressing device. 2,637,312, May 5.

Alderman, Leon D.: *See—*
Maeser, Mieth, and Alderman.

Alderman, Mattison W., W. F. Massmann, Jr., and E. W. Michael, Battle Creek, Mich., assignors to General Foods Corporation, New York, N. Y. Rice process. 2,643,951, June 30.

Alderson, Dwight A., East Alton, R. V. Wakefield, Roxana, and E. P. Reichardt, Wood River, assignors to Olin Industries, Inc., East Alton, Ill. Reclaiming single base smokeless powder. 2,642,350, June 16.

Alderson, Ross C.: *See—*
Schuck, Oscar H., and Alderson.

Alderson, Ross C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic steering mechanism. 2,626,114, Jan. 20.

Alderson, Samuel W., New York, N. Y. Switch for operating artificial limbs. 2,640,994, June 9.

Alderson, Samuel W., New York, N. Y. Pipe coupling device for pneumatic systems. 2,648,199, Aug. 11.

Alderson, Samuel W., Westport, Conn. Locking means for pivotal joints. 2,661,479, Dec. 8.

Alderson, Thomas, New Castle, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Orientable condensation polymers of hydroxypivalic acid and preparing them. 2,658,055, Nov. 3.

Aldino, Charles J., Franklin Square, and J. J. Ryan, New York, N. Y. Apparatus for finishing gears. 2,658,259, Nov. 10.

Aldous Successors Limited, assignee: *See—*
Carey, Herbert C.

Aldrich, Donovan D.: *See—*
Kiebler, Le Roy A., Aldrich, and Weller.

Aldrich, George R., Paramount, and K. R. Bragg, Manhattan Beach, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Demountable duct seal. 2,653,042, Sept. 22.

Aldrich Machine Works, assignee: *See—*
Henry, Nelson B.

Aldridge, Clarence F., assignor to Taylor Instrument Companies, Rochester, N. Y. Box for shipping, displaying, and storing fragile articles such as thermometers or the like. 2,645,334, July 14.

Aldridge, Floyd, Belmont, N. C. Combined saddle and oiler for upper draft rollers of spinning frames. 2,627,090, Feb. 3.

Aldridge, Luther W., assignor to Wright Machinery Company, Durham, N. C. Automatic weighing machine and feed control means therefor. 2,626,042, Jan. 20.

Aldrin, Henry W., and S. G. Gerdin, assignors to Aktiebolaget Bofors, Bofors, Sweden. Loading mechanism for guns. 2,655,079, Oct. 13.

Aleck, Benjamin J., Brooklyn, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Torquemeter based on warping stress measurement. 2,645,119, July 14.

Alert Development Corporation, assignee: *See—*
Van Tassel, James.

Alertronic Corporation, assignee: *See—*
Bagno, Samuel M.

Alertronic Protective Corporation of America, The, assignee: *See—*
Bagno, Samuel M.

Aleshin, William N., South Windsor, Conn. Fixed resilient clip to hold articles. 2,644,216, July 7.

Aleshin, William N., South Windsor, Conn. Plant tying machine. 2,656,538, Oct. 27.

Alessi, Patrick A., West Roxbury, Mass. Safety pin. 2,627,096, Feb. 3.

Alessio, John S., San Diego, Calif. Portable attachment for dog race tracks. 2,650,826, Sept. 1.

Alex, Louie, Oakland, Calif. Clip for precluding rotation of segments of oil-retaining ring in journals. 2,660,486, Nov. 24.

Alex, Ralph P., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter rotor cyclic pitch control. 2,629,452, Feb. 24.

Alexander, Arthur F., Cleveland, Ohio. Retractable tool handle. 2,642,907, June 23.

Alexander, Arthur H. and J. H., Victoria, British Columbia, Canada, assignors to Kennametal Inc., Latrobe, Pa. Percussion drill bit body. 2,628,821, Feb. 17.

Alexander, Carl Z., Chatham, N. J. Stand boiler with vertical flue, circulating coil, and indirectly heated domestic supply. 2,642,046, June 16.

Alexander, Carl Z., Chatham, N. J. Heating device. 2,663,787, Dec. 22.

Alexander, Charles E., Raleigh, N. C. Vehicle hoist. 2,636,619, Apr. 28.

Alexander, Delbert S., Evanston, Ill. Automatic scoring apparatus for bowling games. 2,652,252, Sept. 15.

Alexander, Donald C., Worcester, assignor to Surprenant Mfg. Co., Boston, Mass. Open wire transmission line. 2,648,720, Aug. 11.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Appaartus for measuring voltage drop. 2,632,794, Mar. 24.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Apparatus for measuring voltage drop. 2,634,318, Apr. 7.

Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Modulating refrigerating apparatus. 2,637,175, May 5.

Alexander, Edgar C.: *See—*
Neis, Harry B., and Wood.

Alexander, Emmett L., assignor to The George E. Failing Supply Company, Enid, Okla. Pressure equalizer. 2,638,932, May 19.

Alexander, Harry B., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Rotary stand for parts containers. 2,662,644, Dec. 15.

Alexander, Helen, executrix: *See—*
Alexander, William H.

Alexander, John H.: *See—*
Alexander, Arthur H. and J. H.

Alexander, Kliem, and L. E. Schniepp, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Hydrogenation derivatives of difurfuralacetone. 2,657,220, Oct. 27.

Alexander, Lowell M., and E. H. Bladh, assignors to Nutone, Inc., Cincinnati, Ohio. Double-acting solenoid for chime signals. 2,659,074, Nov. 10.

Alexander, Mary M., Los Angeles, Calif. Automatic salad chopper and mixer. 2,651,343, Sept. 8.

Alexander, Ocie P., assignee: *See—*
Graham, Thomas T.

Alexander, Peter P., Beverly, Mass. Recovering calcium from a mixture of calcium hydride and magnesium oxide. 2,656,268, Oct. 20.

Alexander, Philip, New York, N. Y., assignor, by mesne assignments, to C. C. Trelease, Newark, N. J., as trustee. Dispensing device. 2,631,757, Mar. 17.

Alexander, Robert A.: *See—*
Stern, Max, and Alexander.

Alexander, Ronald R., assignor to Carthage Machine Company, Carthage, N. Y. Feeding mechanism for chippers. 2,652,077, Sept. 15.

Alexander, Russel C.: *See—*
Gumpertz, Donald G., and Alexander.

Alexander Shipyard, Inc., assignee: *See—*
Durant, Leslie B., and Padel.

Alexander, Thomas F. N., Bristol, England. Growing grass and other vegetation. 2,632,979, Mar. 31.

Alexander, Tom S., Soquel, Calif. Supplementary brake fluid reservoir. 2,625,267, Jan. 13.

Alexander, Warren A., Tulsa, Okla., assignor to Standard Oil Development Company. Detector for seismic exploration. 2,649,579, Aug. 18.

Alexander, William G., Baltimore, and C. M. Harden, assignors to Bendix Aviation Corporation, Towson, Md. Multichannel radio communication system. 2,652,453, Sept. 15.

Alexander, William H., deceased, Brooklyn, N. Y.; H. Alexander, executrix of W. H. Alexander, Sr. Tool. 2,653,375, Sept. 29.

Alexander, William M.: *See—*
Lee, John W., Martin, and Alexander.

Alexanderson, Ernst F. W., and S. P. Nixdorff, Schenectady, N. Y., assignors to General Electric Company. Electric motor and stabilizing means therefor. 2,640,170, May 26.

Alexanderson, Ernst F. W., Schenectady, N. Y., and R. W. Kuenning, Berkeley, Calif., assignors to General Electric Company. Stabilizer for alternating current power transmission systems. 2,644,898, July 7.

Alexanderson, Ernst F. W., and S. P. Nixdorff, Schenectady, N. Y., assignors to General Electric Company. Electronic motor and commutating means therefor. 2,644,916, July 7.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Phase balancing system. 2,652,529, Sept. 15.

Alexewicz, Werner G.: *See—*
McGraw, Richard F., Plotin, and Alexewicz.

Alfieri, Giuseppe, Milan, Italy. Fluid pressure motor 2,661,726, Dec. 8.

Alford, Andrew, Cambridge, Mass. Slotted cylindrical antenna. 2,625,654, Jan. 13.

Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Broad band bidirectional antenna. 2,646,505, July 21.

Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Transformer for connecting a wave guide to a conxial line. 2,659,054, Nov. 10.

Alford Cartons, assignee: *See*—
Vines, Oscar L.

Alford, Le Roy H., Coquille, Oreg. Device for feeding nails in position for manual driving. 2,630,567, Mar. 10.

Alford, Norman W., Houston, Tex. Deep well fishing tool. 2,638,373, May 12.

Alford, Wilson M., Windsor, assignor to United Aircraft Corporation, East Hartford, Conn. Lubricating mechanism. 2,664,323, Dec. 29.

Alfredsson, Karl G. E., Stockholm, and S. G. Hanell, Bromma, Sweden. Apparatus for opening cigarette packets. 2,645,007, July 14.

Alfried Krupp von Bohlen und Halbach, assignee: *See*—
Linke, Gerhard.

Algatt, George E., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Twisting machine for sill steps. 2,636,538, Apr. 28.

Alger, John, Lakewood, Colo. Headwall for road culverts. 2,636,352, Apr. 28.

Algin Corporation of America, assignee: *See*—
Le Gloahec, Victor C. E.

Alheit, Henry A., Stoughton, Mass. Display case. 2,636,797, Apr. 28.

Alhéritière, Louis, Beau-Soleil, Melle, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Manufacturing butyraldehyde. 2,658,921, Nov. 10.

Alhino, John B., San Leandro, Calif. Article-traying unit. 2,628,754, Feb. 17.

Alimanestiano, Mihai, Beaumont, assignor of fifty per cent to C. Kroll, Houston, Tex. Apparatus for parking automobiles. 2,647,647, Aug. 4.

Aliotti, Enrico, Rhodes, Dodecanese, Greece, assignor to Aliotti and Gier, Kansas City, Mo. Method and apparatus for treating raisins. 2,648,605, Aug. 11.

Aliotti and Gier, assignee: *See*—
Aliotti, Enrico.

Allison, Alexander S., Norbury, London, and R. Atherton, Chelsea, London, England, assignors to General Foods Corporation, New York, N. Y. Refrigerating apparatus. 2,657,550, Nov. 3.

Alkaline Batteries Limited, assignee: *See*—
Atkins, John S.

Alkydol Laboratories, Inc., assignee: *See*—
Cody, William P., and Clark.

Allais, Julien M. A., Boulogne-sur-Seine, France. Disk slide rule with decimal point indicator. 2,658,671, Nov. 10.

All American Engineering Company, assignee: *See*—
Cotton, Robert B.
Doolittle, Donald B., and Walden.
Janney, Raymond B., II.

Allan, Benjamin W., and F. O. Rummery, Baltimore, Md., assignors to The Glidden Company, Cleveland, Ohio. Preparing pure cadmium red pigment. 2,643,196, June 23.

Allan, Edwin, Spencerport, assignor to Allan Iron & Welding Works, Inc., Rochester, N. Y. Machine for cooking foodstuffs. 2,633,073, Mar. 31.

Allan, Frederick W., Batavia, N. Y. Power loader. 2,645,369, July 14.

Allan Iron & Welding Works, Inc., assignee: *See*—
Allan, Edwin.

Allan, James A., Springfield, Vt., and F. C. Savage, Columbia, Conn., assignors to Jones & Lamson Machine Company, Springfield, Vt. Operator-controlled grinding machine with optical comparator. 2,652,664, Sept. 22.

Allan, Morag L.: *See*—
Taylor, Arthur W. C., Jones, and Allan.

Allan, Stuart R., Somerville, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,648,394, Aug. 11.

Allan, William G., Ardrossan, and T. J. Tobin, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of an alkyl nitrate. 2,647,914, Aug. 4.

Allander, Claes G., Lidingo, assignor to A. B. Svenska Flaktfabriken, Stockholm, Sweden. Apparatus for comparative indication of the moisture contents in two gaseous mediums. 2,637,199, May 5.

Allavena, Riccardo, Milan, Italy. Dismountable packaging box. 2,661,110, Dec. 1.

Allbright, James H., Seattle, Wash. Shaft puller. 2,624,612, Jan. 6.

Allbright-Nell Company, The, assignee: *See*—
Allbright, Norman J., and Illsley.
Allbright, Norman J., Disley, and Harrington.

Allbright, Norman J., and R. W. Illsley, assignors to The Allbright-Nell Company, Chicago, Ill. Automatic apparatus for injecting curing liquid into hog bellies and the like. 2,641,990, June 16.

Allbright, Norman J., R. W. Illsley, and B. S. Harrington, assignors to The Allbright-Nell Company, Chicago, Ill. Automatic apparatus for injecting curing liquid into hog bellies and the like. 2,645,172, July 14.

Alldredge, Marshall H.: *See*—
Graham, Matthew P., and Alldredge.

Alldredge, Marshall H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Idler arm. 2,660,907, Dec. 1.

Allegheny Ludlum Steel Corporation, assignee: *See*—
Herres, Schuyler A.
Herres, Schuyler A., and Redden.
Mohling, Gunther, and Dyrkacz.
Pitler, Richard K.
Shingledecker, Guy M., and Catulle.
Southern, Raymond L.

Allegro, Giuseppe, Genoa, Italy. Welded ship construction. 2,644,418, July 7.

Alleman, Carl E.: *See*—
Dutcher, Harris A., and Alleman.

Alleman, Carl E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Destructive distillation. 2,647,077, July 28.

Allemang, Ellsworth P., near Medina, assignor to E. P. Allemang, Medina County, Ohio, as trustee. Splash guard for oil well tubing. 2,634,812, Apr. 14.

Allen, Albert S., Springfield, Mo., assignor to United States Hoffman Machinery Corporation, Syracuse, N. Y. Vaporizer unit and tray. 2,645,607, July 14.

Allen, Albert, Sharon, assignor to The Foxboro Company, Foxboro, Mass. Range shifting instrument. 2,653,308, Sept. 22.

Allen, Alden: *See*—
Guise, Arthur B., and Allen.

Allen, Alden, Menominee, Mich., assignor to Ansul Chemical Company, Marinette, Wis. Apparatus for clearing conduits in dry chemical fire-extinguishing systems. 2,642,944, June 23.

Allen, Alden, Menominee, Mich., assignor to Ansul Chemical Company, Marinette, Wis. Apparatus for fluidizing and pressurizing fire-extinguishing dry chemicals. 2,651,374, Sept. 8.

Allen, Alfred W., Greensboro, N. C. Plumbing manifold. 2,645,783, July 21.

Allen, Archie T., Hickman, Calif. Slidable side jaw wrench. 2,646,710, July 28.

Allen, Arthur C., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield cleaner. 2,654,907, Oct. 13.

Allen, Arthur C., assignor to Stewart-Warner Corporation, Chicago, Ill. Apparatus for indicating unbalance in rotary bodies. 2,656,713, Oct. 27.

Allen, Arthur C., Chicago, and Z. J. Lansky, Cicero, assignors to Stewart-Warner Corporation, Chicago, Ill. Water trap for air lines. 2,629,458, Feb. 24.

Allen, Arthur F.: *See*—
Wittenberg, Edward H., and Allen.

Allen, Arthur N., Jr.: *See*—
Diefenderfer, William E., and Allen.

Allen, Arthur N., Jr., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Spring loaded preloading mechanism for blade retention with increased stiffness. 2,628,687, Feb. 17.

Allen, Benjamin H., Lamesa, Tex. Elevating means for row markers. 2,657,623, Nov. 3.

Allen, Boyd J., and F. A. Rauh, assignor to American-La France-Foamite Corporation, Elmira, N. Y. Fire extinguisher. 2,635,376, Apr. 21.

Allen-Bradley Company, assignee: *See*—
Dawe, Albert J.
De Smidt, Woodrow A.
De Smidt, Woodrow A., and Matthias.
Hudson, William J.
Matthias, Lynn H., and Petersen.

Allen, Cecil H., Colon, Panama. Universal time clock and hour angle indicator. 2,657,525, Nov. 3.

Allen, Charles F., Stamford, Conn., W. M. Fitzsimmons, Sacramento, Calif., and R. B. Booth, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Depression of sulfide minerals with zinc cyanide ammoniate. 2,660,306, Nov. 24.

Allen, Charles F., Stamford, Conn., W. M. Fitzsimmons, Sacramento, Calif., and R. B. Booth, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Depression of sulfide zinc minerals from concentrates and ores. 2,660,307, Nov. 24.

Allen, Charles F. H.: *See*—
Saiminen, Ilmari F., and Allen.

Allen, Charles F. H., and D. M. Burness, assignors to Eastman Kodak Company, Rochester, N. Y. 2,6-di-tertiary alkyl quinones and preparing same. 2,657,222, Oct. 27.

Allen, Charles F. H., and T. T. M. Laakso, assignors to Eastman Kodak Company, Rochester, N. Y. Polymeric pyrazolone couplers. 2,646,421, July 21.

Allen, Charles H., Upper St. Clair Township, Allegheny County, assignor to Atomized Materials Company, Pittsburgh, Pa. Impregnating cloth for repairing metal surfaces. 2,626,873, Jan. 27.

Allen, Chester S., Warren, Pa. Applying sealing spouts for lighter fluid cans. 2,660,355, Nov. 24.

Allen, David A., Mount Vernon, Ohio. Building block lift. 2,652,278, Sept. 15.

Allen, Earl H., Westfield, assignor to General Instrument Corporation, Elizabeth, N. J. Push-button structure. 2,659,236, Nov. 17.

Allen, Edward A., Westfield, and F. P. Healy, assignors to Van Norman Company, Springfield, Mass. Presetting device for boring tools. 2,657,470, Nov. 3.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Control mechanism for door latches. 2,644,712, July 7.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Door control mechanism. 2,650,846, Sept. 1.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Door control mechanism. 2,658,781, Nov. 10.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Lock means for door control mechanism. 2,658,782, Nov. 10.

Allen, Edwin L., Cleveland Heights, assignor, by mesne assignments, to R. I. Schonitzer, Cleveland, Ohio. Door control mechanism. 2,658,783, Nov. 10.

Allen, Edwin L., Iowa City, Iowa, and J. H. Allen, New Orleans, La. Artificial eye and implant. 2,653,327, Sept. 29.

Allen, Edwin L., and A. R. de Vito, Cleveland Heights, Ohio, and H. B. Muster, Bluffton, Ind., assignors to R. I. Schonitzer, Cleveland, Ohio. Lock means for door control mechanism. 2,658,375, Nov. 10.

Allen, Eidon C., Harrisburg, Ill. Coal drill. 2,634,950, Apr. 14.

Allen, Ernest C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Synchronizing clutch. 2,633,954, Apr. 7.

Allen, Ernest C., Wauwatosa, and E. Scheuermeier, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Synchronizing clutch. 2,633,955, Apr. 7.

Allen, Francis E., assignor to Architectural Porcelain Constructors, Oakland, Calif. Architectural panel. 2,649,172, Aug. 18.

Allen, Francis J.: *See*—
Wilde, Geoffrey L., and Allen.

Allen, Frank B.: *See*—
Cahusac, Clarence N., and Allen.

Allen, Frank B., Towaco, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Smoke detector testing means. 2,627,064, Jan. 27.

Allen, Frank B., Towaco, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Supervised alarm system. 2,646,556, July 21.

Allen, Frank R., Roxbury, Mass. Portable brick wall. 2,658,379, Nov. 10.

Allen, Gene: *See*—
Oberholtz, Lester E., and Allen.

Allen, George H.: *See*—
Lynes, John, Allen, and Gardner.

Allen, George M., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread storage-thread advancing device. 2,628,400, Feb. 17.

Allen, George M., Swarthmore, and J. W. Pedlow, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for liquid treating yarn traveling in a helical path. 2,655,429, Oct. 13.

Allen, George W., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve mechanism. 2,654,392, Oct. 6.

Allen, George W., Indianapolis, Ind., and V. N. Tramontini, Los Angeles, Calif., assignors to Stewart-Warner Corporation, Chicago, Ill. Burner and igniter structure. 2,652,888, Sept. 22.

Allen, Gilbert S., Los Angeles, Calif. Roller wedge lock nut. 2,660,212, Nov. 24.

Allen & Hanburys Limited, assignee: *See*—
Eastland, Cyril J., Taylor, and Collier.

Allen, Harold D., Glen Rock, N. J., and C. J. Arrowsmith, Brooklyn, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Spray cooling normally solid fatty acid hydroxy esters. 2,633,604, Apr. 7.

Allen, Harry J., Palo Alto, Calif. Asymmetric adjustable supersonic nozzle. 2,657,575, Nov. 3.

Allen, Harry J., Palo Alto, and R. N. Olson, Santa Clara, Calif. Flexible supersonic nozzle. 2,663,322, Dec. 22.

Allen, Harry W., Dayton, Ohio. Waterproof and pressureproof connector. 2,655,638, Oct. 13.

Allen, Herbert, assignor to Cameron Iron Works, Inc., Houston, Tex. Flow controller. 2,629,403, Feb. 24.

Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Differential tensiometer. 2,639,612, May 26.

Allen, Herbert, assignor to Cameron Iron Works, Inc., Houston, Tex. Forging process and apparatus. 2,663,205, Dec. 22.

Allen, Horace C., Princeton, and R. C. Ballard, Trenton, N. J., assignors to Radio Corporation of America. Zero check or calibrating system for pulse altimeters. 2,655,651, Oct. 13.

Allen, Howard G., Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga. Bag wrapping machine. 2,624,990, Jan. 13.

Allen, Howard G., Niagara Falls, N. Y., assignor to Savannah Sugar Refining Corporation, Savannah, Ga. Bag closing machine. 2,624,995, Jan. 13.

Allen, Howard G., Niagara Falls, and O. M. Hudson, Kenmore, N. Y., assignors to American Machine & Foundry Company. Pretzel machine. 2,629,340, Feb. 24.

Allen, Howard G., Niagara Falls, and H. A. Smith, Gowanda, N. Y.; said Allen assignor to said Smith. Apparatus for weighing and packaging materials. 2,634,085, Apr. 7.

Allen, Howard G., Niagara Falls, G. E. Gampp, Kenmore, and H. D. Smith, Buffalo, N. Y., assignors to American Machine & Foundry Company. Band-applying machine. 2,654,520, Oct. 6.

Allen, James E., and W. H. Cantrell, Thayer, Mo. Spreader panel bullet. 2,661,694, Dec. 8.

Allen, James H.: *See*—
Allen, Edwin L. and J. H.

Allen, John H., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Up and down lock mechanism for retractable landing gear for aircraft. 2,661,171, Dec. 1.

Allen, John H., Verona, N. J. Pipe cleaner coupling. 2,632,450, Mar. 24.

Allen, John R.: *See*—
Massey, Bernard S., Quinn, Allen, and Warner.

Allen, John W.: *See*—
Wiggins, John H., and Allen.

Allen, John W., assignor to J. H. Wiggins, Chicago, Ill. Gas storage apparatus. 2,631,093, Mar. 10.

Allen, John W., Detroit, Mich. Pouring attachment for paint cans and the like. 2,659,519, Nov. 17.

Allen, Kenneth C.: *See*—
Meeker, David A., and Allen.

Allen, Lena O., Marion, Ind. Foundation garment. 2,652,566, Sept. 22.

Allen, Leslie J.: *See*—
Davison, Alan, and Allen.

Allen, Louis N., Jr., Short Hills, N. J., and T. P. Forbath, assignors to Chemical Construction Corporation, New York, N. Y. Sulfuric acid production by absorption. 2,655,431, Oct. 13.

Allen, Louis N., Jr., Short Hills, N. J., P. J. McGauley, Glen Cove, and E. S. Roberts, assignors to Chemical Construction Corporation, New York, N. Y. Preparation of pure copper metal from copper-bearing scrap. 2,647,830, Aug. 4.

Allen, Louis N., Jr., Short Hills, N. J., P. J. McGauley, Glen Cove, and E. S. Roberts, assignors to Chemical Construction Corporation, New York, N. Y. Preparation of pure copper metal from non-ferrous metal-bearing scrap. 2,647,831, Aug. 4.

Allen, Louis N., Jr., Short Hills, N. J., P. J. McGauley, Glen Cove, and E. S. Roberts, assignors to Chemical Construction Corporation, New York, N. Y. Preparation of pure copper metal from copper-bearing scrap. 2,647,832, Aug. 4.

Allen, Mary S.: *See*—
Fitts, Edna, and Allen.

Allen, Matthew E., Sr., Asheville, N. C. Pattern lathe. 2,664,122, Dec. 29.

Allen, Miller, assignee: *See*—
Fuerst, Harry W.

Allen, Nora J., Highland Creek, Ontario, Canada, assignor, by mesne assignments, to Coats & Clark Inc. Article of hosiery and making the same. 2,655,020, Oct. 13.

Allen, Ormand E., Geneva-on-the-Lake, Ohio. Collapsible adjustable supporting base for pinball machines. 2,639,114, May 19.

Allen, Perry E., Detroit, Mich. Combined protective device and gas door lock for automobiles. 2,633,369, Mar. 31.

Allen, Perry E., Durango, Colo. Thread tensioning attachment for fly tying vises. 2,657,877, Nov. 3.

Allen, Philip H.: *See*—
Chromy, Benjamin J., and Allen.

Allen, Philip H., Orinda, Calif., and B. J. Chromy, Washington, D. C. Optical summation and decimal structures. 2,643,822, June 30.

Allen, Philip H., Orinda, Calif., and B. J. Chromy, Washington, D. C. Optical operation control device. 2,651,463, Sept. 8.

Allen, R. C., Business Machines, Inc., assignee: *See*—
Kavanaugh, Floyd J.

Allen, Richard C., Carthage, Mo., and J. Millman, Brookline, Mass., assignors to the United States of America as represented by the Secretary of War. Gain measuring device. 2,653,310, Sept. 22.

Allen, Richard C., Carthage, Mo., and J. Millman, Brookline, Mass., assignor to the United States of America as represented by the Secretary of War. Multiple channel radio system. 2,659,081, Nov. 10.

Allen, Robert K., Wesleyville, Pa., assignor to General Electric Company. Electrical conductor lead for commutators. 2,653,258, Sept. 22.

Allen, Robert R., assignor to Custom Scientific Instruments, Inc., Arlington, N. J. Method and apparatus for cutting materials. 2,630,173, Mar. 3.

Allen, Rufus V., Chino, Calif. Fishing device. 2,644,263, July 7.

Allen, S. L., & Co., Inc., assignee: *See*—
Bonner, Edwin K., Jr., and Vozzi.

Allen, Scott E.: *See*—
Wilson, Forrest E., and Allen.

Allen, Scott E., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Stored pressure fluid medium container closure. 2,634,814, Apr. 14.

Allen, Scott E., Verona, N. J., and D. Levin, Philadelphia, Pa., assignors to C-O-Two Fire Equipment Company, Newark, N. J. Free flowing fire extinguishing compositions. 2,631,977, Mar. 17.

Allen, Sidney, and M. A. Stokes, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Igniter for liquid fuel combustion chambers. 2,625,011, Jan. 13.

Allen, Thomas F., Washington, D. C. Dishwasher. 2,641,270, June 9.

Allen, Thomas O., Bellaire, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Small gun perforator for wells. 2,664,156, Dec. 29.

Allen, Victor O., Madison, assignor to Wilbur B. Driver Company, Newark, N. J. Electrical resistor element and producing the same. 2,638,425, May 12.

Allen, Wallace T., Dearborn, assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,656,437, Oct. 20.

Allen, William B.: *See*—
Byars, Edgar W., and Allen.

Allen, William L., Searcy, Ark. Shock absorber testing and indicating apparatus. 2,660,879, Dec. 1.

Allen, William M., Glendale, assignor to Model Crafter's, Inc., Hamilton, Ohio. Device for applying powdery material to floor coverings. 2,632,583, Mar. 24.

Allen, William, Son's Company, assignee: *See*—
Lowe, George C.

Allenbaugh, Ralph, assignor of one-half to W. F. Feigenbaum, Mansfield, Ohio. Swing stage scaffold. 2,639,951, May 26.

Allenbaugh, Ralph, assignor of one-half to W. F. Feigenbaum, Mansfield, Ohio. Scaffold hoisting mechanism. 2,662,732, Dec. 15.

Allenbaugh, Ralph, assignor of one-half to W. F. Feigenbaum, Mansfield, Ohio. Scaffold hoisting mechanism. 2,662,733, Dec. 15.

Allenbaugh, Ralph, assignor of one-half to W. F. Feigenbaum, Mansfield, Ohio. Swing stage scaffold. 2,662,734, Dec. 15.

Allenby, Owen C. W., McMasterville, Quebec, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Reaction products of polyepoxides with styrene-acrylic acid-vinyl pyridine copolymers. 2,662,870, Dec. 15.

Allenby, Owen C. W., McMasterville, Quebec, Canada, and J. C. MacKenzie, Winchester, Mass., assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Textile finishing compositions. 2,653,140, Sept. 22.

Allenson, George T.: *See*—
Berry, Edward J., and Allenson.

Aller, Basil V., Dorking, R. H. Hall, Sutton, D. C. Quin, Epsom, and K. H. W. Turck, Banstead, England, assignors, by mesne assignments, to Hercules Powder Company. Manufacture of phenols. 2,628,983, Feb. 17.

Aller, Basil V., Hull, R. H. Hall, Carshalton, D. C. Quin, Epsom, and K. H. W. Turck, Banstead, England, assignors to Hercules Powder Company. Manufacture of phenols and ketones. 2,628,984, Feb. 17.

Aller, Edmund R., Ogden Dunes, Ind., assignor to General American Transportation Corporation, Chicago, Ill. Smoothing and shaping cellular polystyrene. 2,629,899, Mar. 3.

Aller, Edmund R., Ogden Dunes, Ind., J. M. Gleason, La Grange Park, Ill., and L. Matolin, East Chicago, Ind., assignors to General American Transportation Corporation, Chicago, Ill. Hopper car for storage and transportation of finely divided materials. 2,650,726, Sept. 1.

Aller, T. Dwight, San Gabriel, and P. E. Noll, Pasadena, Calif., assignors to United States Steel Corporation. Hydropneumatic pumping unit. 2,645,899, July 21.

Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Pneumatic gauging device. 2,624,196, Jan. 6.

Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Pneumatic gauging device. 2,647,399, Aug. 4.

Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Size gauging device. 2,651,412, Sept. 8.

Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Size gauging device for V type cylinder blocks. 2,659,157, Nov. 17.

Aller, Willis F., and A. J. Page, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,647,456, Aug. 4.

Aller, Willis F., and A. J. Page, assignors to The Sheffield Corporation, Dayton, Ohio. Ganging device. 2,647,627, Aug. 4.

Allers, John W., Chicago, Ill. Safety razor blade holder and support therefor. 2,631,415, Mar. 17.

Allersma, Barteld P., Den Andel, Netherlands. Distributing device for powdered or granular material. 2,647,756, Aug. 4.

Alles, Francis P., Westfield, and W. R. Sauer, Plainfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of oriented coated films. 2,627,088, Feb. 3.

Alles, George J., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Gas-solid extrusion reactor. 2,626,856, Jan. 27.

Alletto, Alexander J., Chicago, Ill. Adjustable overload spring device. 2,658,749, Nov. 10.

Alley, Stephen E., Burnham Market, Norfolk, assignor to Rubber By-Products (Warwickshire) Ltd., Birmingham, England. Axle mounting of trailers and other vehicles. 2,653,828, Sept. 29.

Allgaier, Earl, Arlington County, Va. Educational device for demonstrating the principle of internal-combustion engines. 2,629,941, Mar. 3.

Allgaier, Earl, Arlington County, Va. Timing device. 2,630,171, Mar. 3.

Allgaier Werkzeugbau G. m. b. H., assignee: *See*—
Hütter, Ulrich.

Allgeyer, Guy H., Toledo, Ohio, assignor by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Broiler griddle mounting means. 2,664,490, Dec. 29.

Alliance Manufacturing Company, The, assignee: *See*—
Deming, Andrew F.

Alliance Ware, Inc., assignee: *See*—
Bowden, William H.

Alliano, Joseph H., Santa Ana, Calif. Driving tool for eyescrews. 2,642,105, June 16.

Allied Chemical & Dye Corporation, assignee: *See*—
Anderton, Benjamin A.
Bailey, Maurice E.
Calfee, John D., and Florio.
Coleman, Gordon A., Greene, Merriam, Miller, and Shannon.
Donegan, Joseph W.
Dornte, Ralph W.
Erchak, Michel, Jr.
Fessler, William A.
Fooshee, Irb H.
Freeman, Benjamin A.
Gilbert, Everett E.
Gilbert, Everett E., and Giolito.
Gilbert, Everett E., and Schurman.
Gilbert, Everett E., and Woolf.
Gronich, Harry E.
Hanna, Delbert L., and Strom.
Hassel, Martin L.
Horst, Roy A.
Joffe, Jack D., and Beckham.
Joris, George G.
Joris, George G., and Griffin.
Jung, Werner D., and Saecker.
Kise, Mearl A.
Martin, Andrew J.
McGraw, William J.
Merriam, Henry F., and Lauber.
Miller, Charles B.
Miller, Charles B., and Calfee.
Nesty, Glenn A., and Gronich.
Ogilvie, James.
Park, Ralph S.
Porter, Frank, and Eck.
Russell, Samuel A., III.
Shultz, Andrew, Jr.
Skeuse, Thomas J., Jennings, and Haught.
Smith, Lee B., and Miller.
Sogn, Allen W.
Spatz, Sydney M.
Steele, William R., and McMahon.
Sundstrom, Carl, and Fairbanks.
Vingee, Raymond A.
Woolf, Cyril, and Gilbert.

Allied Electric Products, Inc., assignee: *See*—
Nickless, William H., and Grunfelder.
Weisberg, Sidney M.

Allied Laboratories, Inc., assignee: *See*—
Craige, Arthur H., Jr.
Faith, Herman E.

Allin, Frederick R., Euclid, and F. D. Wyss, Cleveland Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Tractor-trailer brake proportioning combination. 2,653,680, Sept. 29.

Allinquant, Fernand S., Paris, France. Resilient shock-absorbing suspension device. 2,661,207, Dec. 1.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Ainsworth, Chester D.
Allen, Ernest C.
Allen, Ernest C., and Scheuermeier.
Altorfer, Hans A.
Babb, Charles L.
Bellinger, Thaddeus F.
Bimpson, Henry S.
Blood, Arthur R.
Bloodworth, Thomas H.
Bond, Fred C.
Bues, Harvey A.
Buhr, August G.
Campbell, Richard D.
Charley, Walter G.
Chipman, John F.
Cook, Eugene B.
Ehlinger, Arnold H.
Fergason, Rector C.
Fischer, Raymond C.
Forrest, Frank R.
Geiser, William C., and Flamm.
Goodwin, Edwin C.
Gruner, Frederick R.
Halter, Allan C.
Harrer, Paul H.
Henter, Mathias.
Herman, Alvin E.

Allis-Chalmers Manufacturing Company, assignee: *See*— Continued.
Hoesch, Elmer D., and Matters.
James, Stanley W.
Jansson, Gustav E.
Jones, Kenneth E.
Journeaux, Didier.
Kenney, Clarence E.
King, William F.
Knudsen, Thomas C.
Lecher, Emil A.
Michael, John H.
Norelius, Emil F.
Peek, Henry L.
Peter, Charles R.
Reichert, Harold E.
Rheingans, William J., and Nichols.
Rockwell, Harvey W.
Rosenberg, Leon T., and Kuehlthau.
Roubal, Alexander J.
Salzer, Erwin.
Scag, Dane T., and Getzlaff.
Schane, Harry P., and Fiddler.
Schick, Frederick A., and Knaust.
Schneider, Earl O.
Scranton, Charles J.
Sealey, William C.
Shaw, Ernest C.
Shepherd, Dean, and Welch.
Sikorra, Daniel J.
Sillers, Thomas G. A.
Strehlow, Walter F.
Surenda, Frank J.
Tanke, Willard H.
Taylor, Philip L.
Watts, Leon A.
Weston, Donald E.
Whisler, Paul A.
Wilson, William F.
Woody, Guy W.
Worrell, Robert L., Lehker, and Vogelsang.

Allis, Louis Company, The, assignee: *See*—
Murphy, Bernard J.
Rettaliata, John T.
Wieseman, Theodore R.

Allison, Donald K., Washington, D. C., assignor to General Electric Company. Radiant energy navigational device. 2,625,678, Jan. 13.

Allison, Jim E.: *See*—
Carman, Charles R., and Allison.

Allison, John R., and W. L. Bialock, assignors to Leffingwell Chemical Company, Whittier, Calif. Lubricating grease. 2,628,195, Feb. 10.

Allison, John R., and W. L. Bialock, assignors, by mesne assignments, to Leffingwell Chemical Company, Whittier, Calif. Soap useful for making lubricating greases. 2,628,202, Feb. 10.

Allison, Kenneth C., Crystal Lake, assignor to Grigsby-Allison Company, Inc., Arlington Heights, Ill. Electric switch. 2,650,959, Sept. 1.

Allison, Kenneth C., Crystal Lake, assignor to Grigsby-Allison Company, Inc., Arlington Heights, Ill. Rotary electric switch assembly. 2,650,960, Sept. 1.

Allison, Lenora H., assignee: *See*—
Locey, Harry A.

Allison, Leslie R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Vacuum tube amplifier circuits for coded carrier current. 2,662,934, Dec. 15.

Allison, Walter H., deceased, Takoma Park, Md., by N. T. Blick, administratrix, Mount Rainier, Md. Ice-cream packaging machine. 2,628,756, Feb. 17.

Allison, William B.: *See*—
Brockman, Earl H., Allison, Maxwell, and Ovregaard, and Stevenson.

Allison, William M., assignor to Sprague Electric Company, North Adams, Mass. Electrical signal delay device. 2,659,869, Nov. 17.

Allison, William M., and P. H. Netherwood, assignors to Sprague Electric Company, North Adams, Mass. Electrical condenser. 2,634,315, Apr. 7.

Alliss, Jesse B., Mercedes, Tex. Flush valve guide. 2,650,369, Sept. 1.

Allman-Ward, Frederick H., assignor to Davey, Paxman and Company Limited, Colchester, England. Rotary drum suction filter. 2,626,058, Jan. 20.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Almström, Knut, Garde, Hedström, and Brodersen.
Arvidsson, Algot.
Bergknut, Gunnar P., and Kiessling.
Dreyfus, Ludwig.
Forssell, Harry.
Forwald, Haakon.
Gynt, Sven E., Poulsen, and Lundqvist.
Hogël, Lennart K. G., and Dreyfus.
Jansö, Arvid, and Sand.
Karsten, Olav.
Köhler, Anders.
Landau, Frans, Carlsson, and Hedström.
Särnö, Bo G. A.
Sörensen, Harold M., and Forssell.
Stenkvist, Emil, and Gudmundsson.
Svantesson, Sven.
Thielers, Gustav, and Sjökvist.
Uhlmann, Erich.

Alloway, David L., Attica, N. Y., assignor of one-half to R. Weatherby, St. John's, New Brunswick, Canada. Gantry and gate for starting race horses. 2,655,899, Oct. 20.

Allred, Albert R.: *See*—
Allred, William R., J. C., and A. R.

Allred Bros., assignee: *See*—
Allred, Reed M.

Allred, John C.: *See*—
Allred, William R., J. C., and A. R.

Allred, Reed M., assignor to Allred Bros., Stockton, Calif. Asparagus fern cutter. 2,625,782, Jan. 20.

Allred, William R., J. C., and A. R., Madera, Calif. Hot beverage unit for motor vehicles. 2,661,015, Dec. 1.

All Star Products, Inc., assignee: *See*—
Ingle, Donald P.
Reiches, Sol L., and Ingle.

All-Steel Equipment Inc., assignee: *See*—
Abrahamson, Charles M.
Abrahamson, Charles M., and Grube.
Saaf, Fritz A.

Allsup, John R., Sr., Port Orchard, Wash. Rotary vane motor or pump. 2,624,282, Jan. 6.

Allwein, Aloysius F., Philadelphia, Pa. assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure gauge. Re. 23,723, Oct. 13.

Allyn, William G., Skaneateles, and C. S. Cook, Sennett, assignors to Welch Allyn, Inc., Auburn, N. Y. Foldable and separable laryngoscope. 2,646,036, July 21.

Allyn, William G., Auburn, F. M. Scott, Skaneateles, and E. H. Greppin, Rochester, assignors to Welch Allyn, Inc., Auburn, N. Y. Headlamp for physicians and surgeons. 2,651,301, Sept. 8.

Allyn, William N., Auburn, C. S. Cook, Sennett, H. A. Browne, Jordan, F. McK. Scott, Skaneateles, and J. M. Carroll, Elbridge, assignors to Welch Allyn, Inc., Auburn, N. Y. Folding laryngoscope and angularly adjustable and detachable joint therefor. 2,649,087, Aug. 18.

Alm, Richard. *See*—
Riley, Joseph J., and Alm.

Alm, Robert M., Highland, Ind., assignor to Standard Oil Company, Chicago, Ill. Obtaining purified phenols and cresols of petroleum origin. 2,635,120, Apr. 14.

Almada, Frank: *See*—
Dixon, Howard B., and Almada.

Almas, Louis T., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Stock bin. 2,662,671, Dec. 15.

Almgren, August E., Hillside, and J. P. Jakob, Roselle, N. J., assignors to American Can Company, New York, N. Y. Crimping head with laterally movable jaws. 2,626,581, Jan. 27.

Almgren, Louis E., Oak Park, Ill. Shuffler for playing cards. 2,650,096, Aug. 25.

Almond, John R., assignor to The Midland Steel Products Company, Cleveland, Ohio. Gear shifting mechanism. 2,655,042, Oct. 13.

Almoslino, Hans A., Hollis, N. Y. Portable body-supporting assemblage. 2,651,058, Sept. 8.

Almquist, Gus, Riverside, Calif. Hay baler sleeve. 2,625,097, Jan. 13.

Almquist, Herman J., Modesto, Calif. Bleaching process for eggs. 2,655,449, Oct. 13.

Almquist, Mildred L.: *See*—
Govett, Thomas, and Almquist.

Aloe, A. S., Company, assignee: *See*—
Weichselbaum, Theodore E.

Aloisio, Joseph P.: *See*—
Nichols, Nathaniel B., and Aloisio.

Alonge, Vera, assignee: *See*—
Simpson, Hobart A.

Alonzo, Charles P., New Orleans, La. Figure simulating toy vehicle. 2,625,403, Jan. 13.

Alpers, Arnold J.: *See*—
Alpers, John C. and A. J.

Alpers, John C., Corder, Mo. Self-adjusting socket wrench. 2,632,352, Mar. 24.

Alpers, John C. and A. J., assignors of one-fifth to N. D. Alpers and one-fifth to W. Alpers, Corder, Mo. Conveyer type grain and material elevator. 2,632,556, Mar. 24.

Alpers, N. Dale, assignee: *See*—
Alpers, John C. and A. J.

Alpers, Wesley, assignee: *See*—
Alpers, John C. and A. J.

Alquist, Francis N.: *See*—
Britton, Edgar C., Alquist, and Kauer.

Alric, Gustave C. A., Troyes, France. Device for the gunnery instructions. 2,662,305, Dec. 15.

Alric, Gustave C. A., Troyes, assignor to "Etablissements Poron," Troyes (Aube), France. Yarn feeding method and apparatus for knitting machines. 2,641,913, June 16.

Alsberg, Frederick R.: *See*—
Fink, Dale F., Greger, and Alsberg.

Alseka Clothing Company, Inc., assignee: *See*—
Kaufman, Alfred S.

Alsing, Carl F., Evansville, Ind., assignor to Seeger Refrigerator Company, St. Paul, Minn. Household refrigerator. 2,663,999, Dec. 29.

Alsing, Carl F., Wilbraham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual evaporator refrigeration apparatus. 2,640,327, June 2.

Alspaugh, James S., Portsmouth, Ohio. Transmission. 2,637,220, May 5.

Alstadt, Benjamin, and H. Sappey, New York, N. Y. Infant feeding means. 2,661,001, Dec. 1.

Alsterberg, Carl E.: *See*—
McLaren, Ian H., and Alsterberg.

Alston Manufacturing Co., assignee: *See*—
Stoner, Lewis D.

Alström, Knut, A. Garde, S. E. Hedström, and E. Brodersen, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Means for governing power stations. 2,643,345, June 23.

Alta Engineering Company, assignee: *See*—
Schumann, Joseph M.

Altar, William, Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Device for separating particles of different masses. 2,633,539, Mar. 31.

Altar, William, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wave guide attenuator. 2,660,713, Nov. 24.

Altar, William, Wilkinsburg, and J. W. Coltman, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resonant cavity drive. 2,632,854, Mar. 24.

Altemiller, Arthur D., Affton, Mo., assignor to Hercules Steel Products Corporation, Galion, Ohio. Popcorn machine. 2,654,823, Oct. 6.

Altenburger, Herman G., Montrose, Calif. Universally adaptable drill jig. 2,651,951, Sept. 15.

Altenburger, Ira O., Lowell, Mich., assignor to Newell Manufacturing Company. Door closer. 2,634,454, Apr. 14.

Altenpohl, Paul J., Philadelphia, Pa. Poultry shackle. 2,658,236, Nov. 10.

Alter, Fritz: *See*—
Rutledge, Carl M., and Alter.

Altgelt, Herman E., assignor to Deere & Company, Moline, Ill. Beet topper. 2,660,853, Dec. 1.

Altgelt, Rudolph J., South Bend, Ind., assignor to Dearborn Motors Corporation, Highland Park, Mich. Clamping device for adjustably securing tool standards to plow beams. 2,637,262, May 5.

Althausen, Paul, Brooklyn, N. Y. Shears. 2,624,114, Jan. 6.

Altheide, Kenneth G., Quincy, Ill. Variable pitch hydraulic transmission. 2,640,680, June 2.

Althen, Joseph G., Evanston, and P. M. Van Arsdell, Chicago, Ill. Effervescent drink concentrate. 2,639,238, May 19.

Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Four component apochromatic copying objective. 2,649,026, Aug. 18.

Altman, Nathaniel: *See*—
Juda, Walter, Jones, and Altman.

Altman, Peter, assignor to Continental Motors Corporation, Detroit, Mich. Power plant. 2,633,118, Mar. 31.

Altman, Peter, Detroit, and L. D. Bakke, Plymouth, assignors to Continental Motors Corporation, Detroit, Mich. Pot type engine oil heater. 2,644,544, July 7.

Altman, Samuel D., New York, N. Y. Desk for attachment to furniture drawers. 2,627,444, Feb. 3.

Altman, Samuel P., Dayton, Ohio. Servo loading stand. 2,641,925, June 16.

Altnether, William, St. Louis, Mo. Sheet metal layout instrument. 2,645,028, July 14.

Alton Box Board Company, assignee: *See*—
Breyfogle, Roy H.

Altorfer Bros. Company, assignee: *See*—
Altorfer, Henry W.
Castricone, John A.

Altorfer, Hans A., Walnut Creek, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine locomotive. 2,637,277, May 5.

Altorfer, Henry W., assignor to Altorfer Bros. Company, Peoria, Ill. Clothes-washing machine having impeller-conveyer and scrubber. 2,630,695, Mar. 10.

Altson, Ralph, Elmhurst, N. Y., assignor to General Motors Corporation, Detroit, Mich. Railroad journal box. 2,646,320, July 21.

Altvater, Adolf H., Chesterfield, assignor to Western Supplies Company, St. Louis, Mo. Shoe back line press. 2,656,554, Oct. 27.

Altwies, Benjamin M., Fostoria, Ohio. Window. 2,636,227, Apr. 28.

Alumalath Corporation of Texas, assignee: *See*—
Coward, Olgar G.

Aluminium Laboratories Limited, assignee: *See*—
Phillips, Norman W. F.
Phillips, Norman W. F., Hollingshead, and Mutchmor.
Scheuer, Ernst.

Aluminum Air Seal Manufacturing Company, assignee: Webster, Clifford L.

Aluminum Company of America, assignee: *See*—
Avey, William P., Herrington, Meyer, and McLaughlin.
Brown, Ralph W.
Brown, Russell G.
Cochran, William C.
Huntington, Richard L., and Reid.
Kipp, Egbert M.
Lyle, John P., Jr.
Mason, Ralph B., and Cochran.

Aluminum Company of America, assignee: *See*—Continued.
McLaughlin, Joseph E.
Michel, Mathias.
Miller, Mike A.
Newsome, James W.
Pfeil, Henry J., and Welles.
Shelton-Jones, Eric.
Stroup, Philip T.
Templin, Richard L.
Wall, James R.
Zelley, Walter G.

Aluminum Industries, Inc., assignee: *See*—
Beckmann, Melbourne A.

Aluminum Products, Inc., assignee: *See*—
Housel, William E.

Alumni Research Foundation of The College of Medical Evangelists, assignee: *See*—
Neufeld, Alonzo J.

Alvare, Nemesio F., Philadelphia, Pa. Transporting apparatus. 2,646,178, July 21.

Alvarez, Alfonso, Jr., Upper Montclair, N. J. Adjustable door buck and trim. 2,651,813, Sept. 15.

Alvarez, Alfonso, Jr., Upper Montclair, assignor to Homasote Company, Fernwood, N. J. Roofing or siding assembly. 2,659,323, Nov. 17.

Alvarez, Alfredo, Junin, Argentina. Heating appliance. 2,630,634, Mar. 10.

Alvarez, Luis W., Berkeley, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse discriminating circuit. 2,626,352, Jan. 20.

Alvarez, Octavio J., assignor, by mesne assignments, of one-fourth to M. de Reitzes-Marienwert, New York, N. Y. Bimetallic switch. 2,627,002, Jan. 27.

Alvear, Victor, Passaic, N. J. Plastic bung for beer barrels or the like. 2,657,817, Nov. 3.

Alverson, Luther, assignee: *See*—
Dove, Fred.

Alvord, Charles C.: *See*—
Homer City, Pa. Continuous batch feeder control. 2,638,248, May 12.

Alvord, Grove D., Indiana, assignor to Syntron Company, *See*—
Flygare, Carl G., and Alvord.

Alvord, Ralph E., Fairfield, Iowa. Adjustable garment hanger. 2,652,958, Sept. 22.

Alward, Kenneth C., Moweaqua, Ill. Energizer for petroleum fuels. 2,627,257, Feb. 3.

Alward, Kenneth C., Moweaqua, Ill. Cylinder liner. 2,635,021, Apr. 14.

Amabili, Louis J.: *See*—
Di Giacinto, Joseph A., and Amabili.

Amado, Dora G., Long Beach, N. Y. Curtain stretcher and support therefor. 2,630,652, Mar. 10.

Amal Limited, assignee: *See*—
Smith, Cyril R. B., and Izon.

Amana Refrigeration, Inc., assignee: *See*—
Cooper, La Mar S.
Hafner, Oliver B.
Moore, Robert E.

Amand, Raymond H., East Norwalk, and J. J. Buchwalder, Trumbull, assignors to Eastern Tool & Die, Inc., Fairfield, Conn. Dispensing container having a pivotal lift cover removable for filling. 2,635,792, Apr. 21.

Amann, Ralph W.: *See*—
Grimes, Louis M., and Amann.

Ambarian, Alice, Fresno, Calif. Sanitary garment. 2,638,899, May 19.

Ambelang, Joseph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rayon tire cord and making same. 2,626,887, Jan. 27.

Ambelang, Joseph C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Age resisting nonstaining rubber composition and producing same. 2,647,102, July 28.

Amber, Yervant, Los Angeles, Calif. Pressing form for garment sleeves. 2,662,672, Dec. 15.

Amber, Yervant, Los Angeles, Calif. Sleeve expander and/or former. 2,662,673, Dec. 15.

Amberg File & Index Company, assignee: *See*—
Amberg, Gilbert W.

Amberg, Gilbert W., assignor to Amberg File & Index Company, Kankakee, Ill. Sheet protector. 2,630,122, Mar. 3.

Amberg, Walter E., Beverly Shores, Ind. Constant velocity shaft coupling. 2,627,733, Feb. 10.

Amberge, George: *See*—
Toombs, Harry B., and Amberge.

Amblard, Joseph, Paris, France. Electric indicating device. 2,663,856, Dec. 22.

Ambler, Geoffrey H., Ben Rhydding, Ilkley, assignor to Ambler Superdraft Limited, Ilkley, England. Drafting of textile fibers. 2,641,026, June 9.

Ambler, Robert R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Industrial cord treating apparatus. 2,639,485, May 26.

Ambler Superdraft Limited, assignee: *See*—
Ambler, Geoffrey H.

Ambrette, Louis C., Westbury, and J. W. McNeil, Brooklyn, N. Y. Shipping package for press inking rolls. 2,639,807, May 26.

Ambroise, Edmond, Rennes, France. Empennage control structure. 2,643,833, June 30.

Ambrose, C. M., Company, assignee: *See*—
Lamb, Harry.

Ambrose, Henry A., Penn Township, Allegheny County, and O. L. Brandes, Gibsonia, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Cutting oil composition. 2,658,870, Nov. 10.

Ambrose, John J., Packanack Lake, and J. Modrovsky, River Edge, N. J., assignors to Curtiss-Wright Corporation. Adjustable discharge nozzles for jet engines. 2,635,419, Apr. 21.

Ambrosi, Louis F., Richmond Hill, N. Y. Leader drain trap. 2,644,585, July 7.

Ambrosino, John, Flushing, N. Y. Skirt hanger. 2,656,078, Oct. 20.

Amco Development Company, assignee: *See*—
Macdonald, Herbert G.

Améen, Einar L.: *See*—
Kalling, Bo M. S., Améen, and Stålehd.

Amen, Nicholas C., Glendale, Calif. Cigarette extinguishing device. 2,629,387, Feb. 24.

Amen, Nicholas C., Glendale, Calif. Variable antenna. 2,660,675, Nov. 24.

Amend, Adolph, Jr., Harrison Park, N. J., assignor to General Time Corporation. Impulse electric clock. 2,632,292, Mar. 24.

American Air Filter Company, Inc., assignee: *See*—
Logsdon, Robert F.

American Artists' Color Works, Inc., assignee: *See*—
Brooks, Irwin, and Friedberg.

American Asbestos Industries, Inc., assignee: *See*—
Bernard, William and J.

American Baler Company, The, assignee: *See*—
Seltzer, Robert E.

American Blower Corporation, assignee: *See*—
Meyer, Harry A., and McCracken.
Nelden, Richard M.

American Bosch Corporation, assignee: *See*—
Alden, Carroll R.
Berlyn, Martin J., and Broderick.
De Luca, Frank.
Hogeman, Hans.
Humber, John N., Hogeman, and Burman.
Miller, Sidney E.
Putnam, John F.
Wood, George B., Jr.

American Box Board Company, assignee: *See*—
Anderson, Wilbur G.
Anderson, Wilbur G., Jr.
McClure, Nicholas, and Stacy.

American Brake Company, The, assignee: *See*—
McGowan, Thomas R.
Mueller, Emil G.

American Brake Shoe Company, assignee: *See*—
Avery, Howard S.
Browne, Lindsay H.
Dalrymple, William P.
Godfrey, Charles E.
Jackson, Alexis E.
Magnus, Oscar F.
Notvest, Robert W.
Olson, Walter J.
Whisler, Thomas C.
Wilson, Rosser L.

American Brass Company, The, assignee: *See*—
Anderson, Howard F.
Macaulay, William R., and Coolidge.

American Brush Machinery Co., Inc., assignee: *See*—
Marks, Theodore, and J. and L. M. Jimenez.

American Can Company, assignee: *See*—
Almgren, August E., and Jakob.
Ayres, William H.
Baker, Harry.
Blakey, John G.
Carnes, Joseph J.
Chatterton, Robert T.
Davidson, Lawrence W., and Maher.
Dobbins, Walter J., 3rd.
Erb, George C.
Gill, Willie, and Nicholson.
Huntar, Felix, and Frey.
Livacich, John T.
Livacich, John T., and De Gear.
Magill, Donald G., and Bigger.
Magill, Donald G., and Pierce.
Maher, William W.
Martin, William McK., Pilnik, and Wobbe.
McDonough, Marshall J., and Burchett.
Nordquist, Ronald E. J.
Pechy, William.
Peck, Carl F.
Preis, Carl G., and Nordquist.
Price, John A., Thomas, and Padbury.
Reese, Garland W.
Reid, George C., and Jacobs.
Schoenfeld, William H., Jr.
Socke, John E.
Stone, George M.
Whately, Walter R.
Whitman, Elmore F.
Wobbe, Delbert E.
Woolford, Custis S., and Socke.

American Car and Foundry Company, assignee: *See*—
Algatt, George E.
Anderson, Harold G., and Parsons.
Clade, Robert.
Clewell, William H.
Ecoff, Francis A.
Ericson, George R.
Ericson, George R., and Shields.
Euwer, Herbert D.
Euwer, Herbert D., and Anderson.
Folmsbee, Clyde H.
Gassner, Alfred A.
Geyer, Wallace T., Learn, and Sult.
Kepner, Robert C.
Kuhler, Otto A., and Burnett.
Kump, Henry.
Nichols, Ralph G.
Pancake, Herman H.
Parsons, George B.
Patton, John W.
Patton, John W., and Cudini.
Sampson, Robert W., and Montgomery.
Shields, Robert A.
Skweir, Eugene A.
Udstad, Sigvald F.

American Cast Iron Pipe Company, assignee: *See*—
Carter, Sam F., Jr.

American Chemical Paint Company, assignee: *See*—
Benzing, Harry J.

American Chicle Company, assignee: *See*—
Hewitt, Eric J., and Berdick.

American Cholesterol Products, Inc., assignee: *See*—
Moolten, Sylvan E.

American Chronoscope Corporation, assignee: *See*—
Shelley, Edwin F.

American Clay Works & Supply Co., assignee: *See*—
Bergmann, Werner.
Burkhart, Robert L., and Vance.
Fang, James C.-S., and Bergmann.
Gieseke, Elmer W.
Herkenhoff, Earl C.
Hoegberg, Erick I.
Kropa, Edward L., and Thomas.
Lecher, Hans Z., and Whitehouse.
Marsh, Nat H.
McCormick, Jerry R. D., and Muller.
Montague, Harley H.
Mooradian, Shannon, and Millson.
Parker, Robert P., and Smith.
Schmutzler, Alfred F.
Seruto, Joseph.
Weidenheimer, Joseph F., Reed, Ritter, and Upham.

American Coin Changer Corp., assignee: *See*—
York, Ernest E.

American Cyanamid Company, assignee: *See*—
Aagaard, Fridtjof, and Weiss.
Allen, Charles F., Fitzsimmons, and Booth.
Angier, Robert B.
Ashley, Kenneth D.
Baker, Bernard R., and Querry.
Bean, James J.
Bernstein, Seymour, and Heller.
Blais, John F.
Booth, Robert B., and Hill.
Booth, Robert B., and Light.
Boothe, James H., and Kushner.
Boothe, James H., and Petisi.
Brendel, Armin G.
Carnes, Joseph J.
Carnes, Joseph J., and Booth.
Carpenter, Erwin L.
Christmann, Ludwig J., and Houpt.
Clarke, Frank H.
Colthup, Norman B., and Torley.
Conroy, Edward A.
Conroy, Edward A., and Parker.
Cooper, Hal B. H., and Medcalf.
Cosulich, Donna B.
Cowen, Frank M., and Dixon.
Cresswell, Arthur.
Crossley, Moses L., and Dreisbach.
Dafter, Irwin H., Jr.
Dalalian, Harry P., and Kushner.
Daniel, John H., Landes, and Suen.
Davis, Harold S.
Davis, John F.
Dixon, James K., and Woodberry.
Donofrio, Alfonso M.
Dudnikov, Mitchell.
Ebel, Robert H.
Eberhart, Dale R., and Barabutes.
Erickson, John G.
Fahrenbach, Marvin J.
Falconer, Stuart A.
Fletcher, John H.
Fletcher, John H., and Hoegberg.
Fugate, Wesley O., and Lane.
Hardy, Elizabeth M. and W. B.
Hardy, William B.
Hardy, William B. and E. M.
Hardy, William B., and Fortenbaugh.
Hardy, William B., and Lecher.
Harms, Edward R.
Harned, Ben K., and Cunningham.

American Cyanamid Company, assignee: *See*—Continued.
Herbert, Arthur D.
Hill, Alfred G., Medcalf and Sisco.
Hoegberg, Erick I.
Hook, Edwin O., and Beegle.
Hultquist, Martin E., and Scholz.
Innes, William B.
Kaiser, Donald W.
Kaiser, Donald W., and Hechenbleikner.
Kaiser, Donald W., and Roemer.
Kaiser, Donald W., and Schaefer.
Kirkpatrick, Alan F., and Stryker.
Kropa, Edward L.
Kropa, Edward L., and Malmberg.
Kropa, Edward L., and Nyquist.
Kurtz, Kerwin K., and Booth.
Kushner, Samuel.
Lecher, Hans Z., and Kuh.
Lecher, Hans Z., and Whitehouse.
Lindgren, Vincent V., and Cassaday.
Long, Robert S.
Long, Robert S., and Sears.
Lontz, John F.
Mackay, Johnstone S.
MacLean, Alexander F.
Marsh, Nat H.
Martino, Joseph F.
Mecco, Jerry M.
Merrill, Wallace D.
Millson, Henry E., and Mooradian.
Millson, Henry E., Parsons, and Babey.
Padbury, John J.
Paden, Joseph H., and Mackay.
Parker, Robert P., and Vartanian.
Parker, Robert P., Seeger, and Kuh.
Parsons, Carr H., and Rumpf.
Paterson, John C.
Patterson, Donald G.
Petropoulos, John C., and Cadwell.
Pidacks, Charles, and Starbird.
Price, John A.
Riley, Frank R.
Ritter, Lawrence, and Weidenheimer.
Roemer, John J., and Kaiser.
Safir, Sidney R.
Salzman, Charles F., Jr.
Scalera, Mario, and Hardy.
Scalera, Mario, Hardy, and Leavitt.
Scalera, Mario, and Westlake.
Schaefer, Frederic C., and Drechsel.
Schmutzler, Alfred F.
Schoeffler, Edward H., and Olsen.
Scholz, Theodore F., and Smith.
Schwahl, Frederick J.
Spencer, Frank R.
Stark, Frank L., Jr.
Stewart, Hugh W., and Lee.
Stirn, Frank E.
Stirn, Frank E., and Taylor.
Suen, Tzeng-Jiueq.
Suen, Tzeng J., and Schiller.
Tanner, Charles A., Jr., and Hall.
Thurston, Jack T.
Turner, Richard J., and Stewart.
Varela, Andrew A.
Vaughan, James R., Jr.
Vingee, Raymond A., and Christmann.
Vingee, Raymond A., and Lento.
Von, Isaiah.
Wallman, Harold.
Weidenheimer, Joseph F., and Ritter.
Wilhousky, Vladimir J.
Williams, Audley O., and McBurney.
Wooding, William M., and Suen.
Wystrach, Vernon P.
Wystrach, Vernon P., and Thurston.
Young, Richard W.
Young, Richard W., Blodinger and Welcher.
American Cystoscope Makers, Inc., assignee: *See*—
Galler, William.
Wallace, Frederick J.
American Dairies, Incorporated, assignee: *See*—
Graham, William R., Jr., Kohler, and Hoover.
American Decalcomania Company, Inc., assignee: *See*—
Winn, Robert G.
American Defibrator, Inc., assignee: *See*—
Messing, Hjalmar S.
American Desk Manufacturing Company, assignee: *See*—
Brashear, Arthur P., Jr.
Rowe, Marion H.
American Electro Metal Corporation, assignee: *See*—
Bartlett, Kenneth M.
Hansgirg, Fritz J.
Seelig, Richard P.
Sindeband, Seymour J., Stern, and Scanlan.
Stern, George, Sindeband, and Scanlan.
American Enka Corporation, assignee: *See*—
Berkepeis, Lukas.
Breazeale, Francis B.
De Vault, Robert V., and Echerd.
Griset, Ernest J., Jr.
Griset, Ernest J., Jr., and Lynch.
Heijnis, James W. I.
Henry, William V.
American Enka Corporation, assignee: *See*—Continued.
Markwood, Paul W.
Sullivan, Milton A.
Teunissen, Pieter H.
Van Dijk, Pieter, and Schrenk.
American Extruded Products Co., Inc., assignee: *See*—
Stahl, Oscar C.
American Felt Company, assignee: *See*—
Robbins, Ralph I.
American Fixture and Manufacturing Co., assignee: *See*—
Woina, Benjamin A., and Richards.
American Flexible Coupling Company, assignee: *See*—
Shenk, Robert H.
American Forging and Socket Company, assignee: *See*—
Cartwright, Clifford J.
American Gravity Door Closer, Inc., assignee: *See*—
Kalleberg, Kornelius.
American Hard Rubber Company, assignee: *See*—
Cory, George L.
American Hardware Corporation, assignee: *See*—
Welch, Nicholas A.
American Hardware Corporation, The, assignee: *See*—
Fletcher, Irving J.
Hopgood, Roy C.
McConnell, Frank.
McConnell, Frank J.
McConnell, Frank J., and Fletcher.
Welch, Nicholas A.
Welch, Nicholas A., and Zeigenhein.
American Home Products Corporation, assignee: *See*—
Alburn, Harvey E.
Bruce, William F., and Seifter.
Elias, William, and Merrion.
Kennedy, John G., and Bernhart.
Tinkler, Frank H., Stribley, and Kennedy.
American Hoist & Derrick Co., assignee: *See*—
Gasink, Lewis T.
American Hospital Supply Corporation, assignee: *See*—
Berner, Harry M.
Heyward, Mary E.
American Houses Inc., assignee: *See*—
Vermilya, Howard P.
American Instrument Company, The, assignee: *See*—
Ohlheiser, Carlton E.
American Instrument Company, Inc., The, assignee: *See*—
Hadady, Robert E.
Moore, Thomas G.
Shapiro, Justin J.
American Iron and Machine Works Company, assignee: *See*—
Birdwell, Louis J.
American-La France-Foamite Corporation, assignee: *See*—
Allen, Boyd J., and Rauh.
Sheppard, Allan G.
Weaver, Alexander E., and Smith.
American Laundry Machinery Company, The, assignee: *See*—
Auchincloss, Samuel S., and Phillips.
Creswick, Edward A.
Hanney, Angus F.
Huebsch, Monte F., and De Moss.
Johnson, George W.
Johnson, George W., and Petre.
Kahn, Leo M.
Ketchum, Clarence A.
McLagan, Russell G.
Neckel, Edmund N.
Spreckelmeier, Edwin H.
Taylor, James H.
American Lecithin Company, Inc., assignee: *See*—
Scharf, Albert.
American Linen Supply Co., assignee: *See*—
Birr, Rudolph G.
Birr, Rudolph G., and Jespersen.
American Locker Company, Inc., assignee: *See*—
Beimel, Henry L.
Stackhouse, Wells.
American Locomotive Company, assignee: *See*—
Anderson, Karl V.
Berlyn, Martin J.
Glover, Walter.
Kopp, Sigmund.
Michaels, Hunter, and Fleck.
Nichols, William M.
Tromel, Frederic C.
Ward, Edgar A.
American Machine Development Corporation, assignee: *See*—
Eissmann, Oswald E.
American Machine & Foundry Company, assignee: *See*—
Abbott, John A., Jr., and Jurgensen.
Allen, Howard G., Gampp, and Smith.
Allen, Howard G., and Hudson.
Bechtold, Henry L.
Bockius, Christopher.
Congelli, Henry C.
Fitz Patrick, James L. G.
Frye, Sanders A.
Gampp, George E.
Gibbs, William J.
Gibbs, William J., and Larsen.
Gurley, Martin H., Jr.
Jurgensen, Delbert F., Abbott, and Arelt.
Jurgensen, Delbert F., Jr., and Abbott.

American Machine & Foundry Company, assignee: *See*—Continued.
McGinley, James J.
Moore, Thomas W.
Patterson, Morehead.
Pearce, Frank G.
Pedersen, Mathias.
Schmitt, Frank R.
Schon, Charles E.
Schonwald, William P.
Stearns, Joseph L., and Hoffman.
American Machine and Metals, Inc., assignee: *See*—
Buss, Benjamin A.
Harland, Philip W., and Johnson.
Hull, Richard L.
Kagan, Benjamin S.
Le Van, Ambrose E.
Luci, Warner S.
Miller, Hercheal W., and Buss.
O'Conor, Frank.
American Machinery Company, assignee: *See*—
Barowsky, Nathan.
American Machinery Corporation, assignee: *See*—
Oldham, Gordon G.
American Manufacturing Company, Inc., assignee: *See*—
Carlson, Arthur C.
Croston, Edward L.
Croston, Edward L., and Harbord.
Pierce, Alfred F.
Turnbull, Roger F.
American-Marietta Company, assignee: *See*—
Pflaumer, Robert E.
American-Marietta Company, Adhesive, Resin and Chemical Division, assignee: *See*—
Redfern, Donald V.
American Meat Institute Foundation, assignee: *See*—
Beadle, Buell W., and Kraybill.
American Metal Company, The, assignee: *See*—
Anderson, Philip K.
American Metal Company Ltd., The, assignee: *See*—
Anderson, Philip K.
Sapp, Ancel L.
American Metal Moulding Company, assignee: *See*—
Oliner, Albert, and Zimmermann.
American Metal Products Company, assignee: *See*—
Degener, Richard K.
Fifield, Harold F.
Flint, Hyland C.
Laurie, Floyd S.
American Meter Company, assignee: *See*—
Gray, Robert B.
American National Dispensing Co., assignee: *See*—
Lewis, Leroy M., and Leroy M. Lewis, Jr.
American Optical Company, assignee: *See*—
Aitcheson, Thomas G.
Armbruster, John T.
Baratelli, Charles A., and Reed.
Barnes, Robert B., and Fraser.
Beltz, Richard C.
Bennett, Alva H.
Bernheim, Daniel P., and Silverberg.
Boeder, Paul A. K.
Busch, Rudolph E.
Conley, Thomas A.
Cooke, Frank.
Crandon, Harry D.
Davis, John K.
Ellis, Charles A.
Eves, Joseph R.
Gradisar, Albin A.
Grosvenor, Benjamin.
Hazelton, Charles L.
Heath, William B.
Herman, William F.
Herrmann, John F., and Gilbert.
Herr, Frederick W.
Jardon, Fritz W., and Ruedemann.
Kavanagh, Arthur J.
Lightburn, Robert A., and Palmer.
Mageau, George J., Jr.
Mahler, Joseph.
Martin, Joseph A.
McCallum, Frederick C.
Meyer, Edgar J., and Read.
Moulton, Harold R.
Muller, Robert M.
Osterberg, Harold, Muller, and Luneburg.
Robinson, James E.
Sheard, Samuel T., and Rowe.
Splaine, Edward M.
Stewart, Walter A.
Tillyer, Edgar D., and Eves.
Upton, Lee O.
American Partition Corporation, assignee: *See*—
Cunningham, Donald F.
Schroeder, Simon E.
American Phenolic Corporation, assignee: *See*—
Adams, Charles J.
Kearse, George P.
Klostermann, Curt W., and Adams.
Valach, Charles F.
American Pipe and Construction Co., assignee: *See*—
Whiting, William A.
American Pipe & Steel Corporation, assignee: *See*—
Mjellem, Frantz O.
American Planetarium Corporation, assignee: *See*—
Korkosz, Frank D.
American Potash & Chemical Corporation, assignee: *See*—
Kamlet, Jonas.
American Pulley Company, The, assignee: *See*—
Williams, William A.
American Radiator & Standard Sanitary Corporation, assignee: *See*—
Smith, Lowell L., and Gennari.
Watkins, Lee K.
American Reenforced Paper Company, assignee: *See*—
Stevenson, Allan B.
American Rock Wool Corp., assignee: *See*—
Smith, Gerald R.
American Safety Razor Corporation, assignee: *See*—
Goldshine, Melvyn.
Nelson, Edgar A.
Treiss, Herman G., Jr.
American Seal-Kap Corporation of Delaware, assignee: *See*—
Galik, Jess G.
American Seating Company, assignee: *See*—
Barecki, Chester J.
Davis, Robert L., and Van Loo.
Henrikson, Bror W., and Nordmark.
Hiltman, Laurence W., and Gielow.
Hoven, Alfred C.
Neahr, William R., and Davis.
Nordmark, Walter E.
Nordmark, Walter E., and Huhta.
Nordmark, Walter E., and Poel.
Willis, Sumner C., and Brulin.
Willis, Sumner C., and Cardozo.
American Smelting and Refining Company, assignee: *See*—
Bruderlin, Emil J.
Kary, Roland M.
Lebedeff, Yurii E., and Klein.
Smith, Albert A., Jr., and Everhart.
Taylor, Richard D.
American Speedlight Corporation, assignee: *See*—
Parker, Harry L.
American Stay Company, assignee: *See*—
Luitwieler, Edward B.
American Steel Band Company, assignee: *See*—
Bowman, Joseph H.
American Steel Box Corporation, assignee: *See*—
Rutledge, Carl M., and Alter.
American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Baselt, Walter H.
Cizek, Frank G.
Clasen, Claus J. W.
Cottrell, Robert B.
Flesch, John E.
Geddert, William J.
Helsten, Wesley A.
Kayler, Frank H.
Keysor, Harold C.
Kowalik, John J.
Leisk, Roland T.
Pierce, Raymond C.
Polanin, Walter R.
Ramos, Lawrence F.
Schlegel, Walter L., Jr.
Sedgwick, Robert K.
Simanek, Edward J.
Smith, Goff.
Stleve, Marvie J.
Tack, Carl E.
Tack, Carl E., Bachman, and Kayler.
Tack, Carl E., and Casey.
Taylor, Russell C., and Vincent.
Walcher, Alfred.
Weisberger, Arthur A.
Weisberger, Arthur A., and Helton.
Whitney, Loren L.
American Sterilizer Company, assignee: *See*—
Perkins, John J.
American Sugar Refining Company, The, assignee: *See*—
Cantor, Sidney M.
Liggett, Robert W., and Wimmer.
Miller, Robert E.
American Sundries Company, Inc., assignee: *See*—
Duberstein, Samuel.
American Tag Company, assignee: *See*—
Swett, Robert W.
American Telephone and Telegraph Company, assignee: *See*—
Beyland, Sidney W.
Carter, Robert W., Currier, Emig, and Glentzer.
Hanley, Frank H.
Harford, George P.
Martin, Wade B.
Neiswinter, James T.
Shepherd, Judson O'D.
American Television, Inc., assignee: *See*—
Sanabria, Ulises A., Taylor, and Browning.
Taylor, Warren G.
American Tobacco Company, The, assignee: *See*—
Schoenbaum, Alexander W., and Barnes.
American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.

American Totalisator Company, Inc., assignee: *See*—
Johnston, Arthur J.
Levy, Oscar C.
American Trust Company, executor: *See*—
Pellas, Silvio F., and Kraut.
American Type Founders, Inc., assignee: *See*—
Clay, John W.
Pollock, Willard M.
Rosse, Lucien A.
American Viscose Corporation, assignee: *See*—
Alles, George J.
Allen, George M.
Allen, George M., and Pedlow.
Ballard, Hyde W.
Battista, Orlando A.
Bauer, Ernest K.
Bauer, Ernest K., and Hill.
Bessom, John A.
Borges, Frank R., Jr.
Brillhart, William O.
Chaney, David W., and Sommar.
Conti, John D.
Conwell, John W.
Cornwell, Ralph T. K.
Cox, Charles W.
Cox, Charles W., Donovan, and Frantz.
Cruz, Mamerto M., Jr.
Ewing, John F., and Brosious.
Francis, Carleton S., Jr.
Fry, Horace P., Jr.
Furness, William H.
Gilmore, Charles G.
Haley, Hugh D.
Hall, Kendall L.
Hays, Hugh E.
Heffelfinger, Robert D.
Jones, Michael G.
Kreamer, William H.
Lawson, Julian K., Jr.
Lowe, William B., and Pape.
Mallinson, John H., and Geyer.
McDermott, Henry J.
Nelson, Seddon C.
Pearson, Frank G.
Phillips, John E., Jr.
Richter, George A., Jr.
Richter, George A., Jr., and Braunlich.
Roberts, Ingham S.
Russell, Arthur O., Jones, and Watts.
Shearer, Howard E.
Shontz, William H.
Stanley, Richard W.
Truitt, Joseph A.
Vandenburgh, Charles D.
Vandenburgh, Charles D., and Kulp.
Wade, Worth.
Walmsley, Leslie L., and Smith.
Wedler, Frederick C.
White, Ben E., Cushman, and Dukert.
Whytlaw, Graeme G.
Wicker, Dan B.
Wielicki, Edward A.
Woolley, Edward L.
Wright, Henry H., and Harder.
Wymbs, Roy P.
Yehling, George C., Jr.
American Well Works, The, assignee: *See*—
Hauer, Gerald E.
American Window Glass Company, assignee: *See*—
Giulioli, Louis, and Insollo.
Klages, Norman H.
Ames, Butler, Boston, Mass. Cooking apparatus. 2,631,216, Mar. 10.
Ames, Enos R., O. H. Thomas, W. H. O'Neal, and F. P. Sword, Wichita, Kans. Hook setter for fishing tackle. 2,640,290, June 2.
Ames, Esthel W.: *See*—
Graybrook, Herbert W., and Ames.
Ames, Frederick W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking shoe for looms. 2,631,615, Mar. 17.
Ames, John B., Selma, Ala. Sausage package. 2,655,450, Oct. 13.
Ames, Robert S., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Forming molds for casting thermosetting transparent enclosures. 2,662,248, Dec. 15.
Ames, Stanley R.: *See*—
Perkins, Joseph R., Jr., and Ames.
Ames, Stanley R., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Water-soluble complex of vitamin E and plasma proteins. 2,628,227, Feb. 10.
Ames, W. R., Company, assignee: *See*—
Sherman, Roger M., Mulfgardt, and Gray.
Wittner, Edward E., and Sherman.
Ames, William L., Middle River, and F. W. Hennessey, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Article-handling apparatus. 2,660,287, Nov. 24.
Amidon, Elgan C., Medford, Oreg. Level controller. 2,650,606, Sept. 1.
Amiet, Oscar, La Chaux de Fonds, Switzerland. Apparatus for sharpening drills. 2,663,126, Dec. 22.
Amirault, Maxime: *See*—
Destoumieux, Paul, and Amirault.
Amirikian, Arsham, Chevy Chase, Md. Hollow structure. 2,645,114, July 14.
Amity Leather Products Co., assignee: *See*—
Benedict, Leonard E.
Reis, John P.
Amman, Giuseppe, assignor to Fratelli Borletti Societa per Azioni, Milan, Italy. Mechanism for disconnecting and reinserting the lifting movement of the cloth feed claw in sewing machines. 2,652,797, Sept. 22.
Amman, Giuseppe, assignor to Fratelli Borletti Societa per Azioni, Milan, Italy. Zig-zag stitch adjusting means. 2,664,058, Dec. 29.
Amman, Hubert A., Kansas City, Mo. Radar training device. 2,633,648, Apr. 7.
Ammann, Herman L., Madison, N. J. Apparatus for producing carbon black. 2,658,821, Nov. 10.
Ammann, Rolf M., Patterson Field, Ohio. Pulse flow fuel injection system for turbojet engines. 2,629,225, Feb. 24.
Ammarell, Theresa L., Brooklyn, assignor to Richard Hudnut, New York, N. Y. Bottle. 2,656,842, Oct. 27.
Ammco Tools, Inc., assignee: *See*—
Billeter, Henry R.
Mitchell, Wallace F.
Ammen, Francis D., assignor to Kaynar Manufacturing Company, Los Angeles, Calif. Spring clamp. 2,655,927, Oct. 20.
Ammi-I-Dent, Inc., assignee: *See*—
Singer, Arnold J.
Ammlung, Louis C., Jr., Philadelphia, Pa., and J. A. Tourtellot, Merchantville, N. J., assignors to Philco Corporation, Philadelphia, Pa. Phonograph control means. 2,654,457, Oct. 6.
Ammon, Johannes H., Akron, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid separator. 2,654,351, Oct. 6.
Amo, Ivan J., North Plainfield, assignor to M & W Company, Inc., Newark, N. J. Apparatus and method for producing disk phonograph records. 2,642,621, June 23.
Amon, William F., Jr.: *See*—
Sargent, Donald E., and Amon.
Amos, James L., and C. T. Miller, assignors to The Dow Chemical Company, Midland, Mich. Copolymers of styrene and alpha-methyl styrene and making the same. 2,638,465, May 12.
Amos, James L., and C. T. Miller, assignors to The Dow Chemical Company, Midland, Mich. Copolymers of styrene and alpha-methyl styrene and making the same. 2,638,466, May 12.
Amozurrutia, Jesus M., Mexico City, Mexico, assignor to Miranda Brothers Trading Corporation, New York, N. Y. Spleen extract. 2,628,961, Feb. 17.
Amozurrutia, Jesus M., Mexico City, Mexico, assignor to Miranda Brothers Trading Corporation, New York, N. Y. Preparation of therapeutic compositions from spleen tissue. 2,662,047, Dec. 8.
Ampex Electric Corporation, assignee: *See*—
Lindsay, Harold W.
Stolaroff, Myron J.
Amsbary, Frank C., Jr., and S. G. Moore, Champaign, Ill. Register for meters. 2,650,026, Aug. 25.
Amsco Packaging Machinery, Inc., assignee: *See*—
Andina, Ernest J.
Amstutz, Albert, La Rue, Ohio. Poultry feeder. 2,624,311, Jan. 6.
Amstutz, Arnold, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Pneumatic drive and damping device therefor. 2,650,572, Sept. 1.
Amstutz, Edward D., Bethlehem, Pa., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Derivatives of 2,7-diaminothioxanthone dioxide. 2,649,460, Aug. 18.
Amundsen, Roy E., Portland, Oreg. Self-contained drafting instrument. 2,658,279, Nov. 10.
Amundson, Roald H.: *See*—
Schultz, William O., and Amundson.
Amundson, Roald H., assignor to McGraw Electric Company, Milwaukee, Wis. Combination fuse cutout and switch. 2,663,825, Dec. 22.
Amusement Games Company, assignee: *See*—
Beck, Joseph E., and Lipski.
Amyx, Elmer, Cincinnati, and J. Kramer, Reading, Ohio, assignors, by mesne assignments, to The International Paper Box Machine Company. Score breaker. 2,655,082, Oct. 13.
Anable, Wallace E.: *See*—
Banning, Lloyd H., and Anable.
Anaconda Copper Mining Company, assignee: *See*—
Eide, Ole J., Johnson, and Milkwick.
Anaconda Wire and Cable Company, assignee: *See*—
Greenfield, Eugene W., and Connell.
Snyder, Clermont J., and MacLelland.
Witthoft, Herbert C.
Anaya, Martinez, Carlos, Mexico City, Mexico. Mounting for pictures, mirrors, and the like. 2,655,330, Oct. 13.
Anchor Hocking Glass Corporation, assignee: *See*—
Acton, Daniel D.
Brenner, Ralph F., and Dilliard.
Gora, Henry Z.
Stover, Harry E.
Anchor Manufacturing Company, assignee: *See*—
Johansson, Ernest G.
Sparkes, Harry P.

Anchor Radio Corporation, assignee: *See*—
Claps, William A.
Anco, Inc., assignee: *See*—
Stevenson, Robert L.
Anderau, Walter, assignor to Ciba Limited, Basel, Switzerland. Disazo dyestuffs containing copper. 2,637,723, May 5.
Anderberg, Axel W., Los Angeles, Calif. Spring sash balance. 2,644,193, July 7.
Anderes, Eugene A. and E. J., San Diego, Calif. Microslide washing machine. 2,663,305, Dec. 22.
Anderes, Eula J.: *See*—
Anderes, Eugene A. and E. J.
Andersag, Hans: *See*—
Koenig, Karl, and Andersag.
Timmler, Helmut, Andersag, and Breitner.
Andersag, Hans, and H. Timmler, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Furo and thiene quinaldines and making same. 2,650,226, Aug. 25.
Andersen, Andrew W., Babylon, N. Y. Mounting and casing for scales. 2,655,367, Oct. 13.
Andersen, Charles M., Los Angeles, assignor to F. R. Honn, Arcadia, Calif. Machine for attaching artificial stems to blossoms. 2,658,296, Nov. 10.
Andersen, Charles M., assignor to F. R. Honn, Los Angeles, Calif. Blossom stemming machine. 2,658,536, Nov. 10.
Andersen, Chris S.: *See*—
Williams, Charles R., and Andersen.
Andersen, Earl H., assignor to Gibson Refrigerator Company, Greenville, Mich. Electric range resistance element support. 2,632,837, Mar. 24.
Andersen, Edward O.: *See*—
Spina, James A., and Andersen.
Andersen, Frederick E., Red Wing, Minn. Drilling and cutting tool. 2,632,951, Mar. 31.
Andersen, Gilbert J. C., Stow, Ohio. Ion therapy device comprising a hand electrode. 2,659,372, Nov. 17.
Andersen, Gordon W., and J. M. Diehl, Madison, Wis., assignors to Bjorksten Research Laboratories, Inc. Improved siliceous insulating material. 2,664,405, Dec. 29.
Andersen, Hans C.: *See*—
Skole, Vigga, and Andersen.
Andersen, Henry C., Lancaster, Calif. Television antenna. 2,643,335, June 23.
Andersen, John H., Jr., Greenwood Lake, N. Y., assignor to the United States of America as represented by the Secretary of the Air Force. Integrating accelerometer. 2,643,870, June 30.
Andersen Laboratories, Inc., assignee: *See*—
Johnson, Sven J.
Andersen, Niels Y., Snyder, assignor to Remington Rand Inc., Buffalo, N. Y. Covered top construction for desks and the like. 2,635,935, Apr. 21.
Andersen, Soren K., and R. W. Jensen, assignors to The Garrett Corporation, Los Angeles, Calif. Gas-liquid separator. 2,634,820, Apr. 14.
Andersen, Walther M. A., assignor to Crystal Research Laboratories, Inc., Hartford, Conn. Crystal mounting for delay lines. 2,663,006, Dec. 15.
Andershock, Chester E., assignor to Goodman Manufacturing Company, Chicago, Ill. Articulated conveyer with swiveling means. 2,642,982, June 23.
Andershock, Chester E., assignor to Goodman Manufacturing Company, Chicago, Ill. Tramming drive for mining and loading machine. 2,661,629, Dec. 8.
Anderson, A. C., Inc., assignee: *See*—
Anderson, Arthur C.
Anderson, Adella S., Pittsburgh, Pa. Combination towel and beach bag. 2,626,648, Jan. 27.
Anderson, Albert L., and J. D. Holmen, assignors, by mesne assignments, to Precision Cosmet Company, Inc., Minneapolis, Minn. Fabrication of artificial eyes. 2,653,328, Sept. 29.
Anderson, Alfred F., East Hartford, assignor to The Fuller Brush Company, Hartford, Conn. Brushmaking machine. 2,649,336, Aug. 18.
Anderson, Alfred H., assignor to A and K Safety Carton Cutter, Inc., Los Angeles, Calif. Carton cutter having a retractable guard. 2,644,230, July 7.
Anderson, Alva E., Mountainside, and R. W. Sears, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Band-width reduction system. 2,629,771, Feb. 24.
Anderson, Alvin P., Woodcliff Lake, N. J., assignor to Shell Development Company, San Francisco, Calif. Asphalt composition and preparing the same. 2,649,384, Aug. 18.
Anderson, Anna S., Alexis, Ill. Mattress. 2,634,426, Apr. 14.
Anderson, Arthur C., Wildwood Crest, assignor to A. C. Anderson, Inc., Wildwood, N. J. Flow control valve. 2,656,846, Oct. 27.
Anderson, Arthur J.: *See*—
Lentz, Marshall E., Anderson, and Driffill.
Anderson, Arthur P., assignor to The Waterbury Lock & Specialty Company, Milford, Conn. Control-mechanism for pyrophoric lighters of the gaseous fuel type. 2,633,724, Apr. 7.
Anderson, Arthur R., Tacoma, Wash. Mold for casting monolithic spherical tanks. 2,632,226, Mar. 24.
Anderson, Arthur W., and B. V. Moeller, assignors to The Dow Chemical Company, Midland, Mich. Improving the cold-water solubility of a fibrous cellulose ether. 2,647,064, July 28.
Anderson, Arvid E., Cornwall, Pa., assignor to Bethlehem Steel Company. Flotation of pyrites from a pyrite ore pulp. 2,636,604, Apr. 28.
Anderson, August P., Goshen, Ind. Compressor. 2,628,765, Feb. 17.
Anderson, Austin E., Jamestown, N. Y. Valved pipe coupling for suction lines. 2,647,767, Aug. 4.
Anderson, Austin E., Jamestown, N. Y. Method of and apparatus for washing milking machines. 2,650,179, Aug. 25.
Anderson, Austin E., Jamestown, N. Y. Animal operated drinking bowl. 2,664,069, Dec. 29.
Anderson, Austin E., Jamestown, N. Y. Valved coupling for milking system. 2,664,104, Dec. 29.
Anderson Box Company, assignee: *See*—
Ferguson, Kenneth C.
Anderson Brass Works, assignee: *See*—
Culverhouse, Carl R., Jr.
Anderson, Carl, Morningdale, Mass., and G. Adamec, Bronx, N. Y.; said Adamec assignor to said Anderson. Electric flatiron. 2,639,520, May 26.
Anderson, Carl A.: *See*—
Danielson, Vernon S., and Anderson.
Williams, Warren J., and Anderson.
Anderson, Carl A., assignor to W. H. Miner, Inc., Chicago, Ill. Mine car draft rigging. 2,664,213, Dec. 29.
Anderson, Carl A., Jr., St. Joseph, Mich. Hydraulic elevator. 2,647,590, Aug. 4.
Anderson, Carl E., Manasquan, assignor to Eastern Tool & Mfg. Co., Belleville, N. J. Key case. 2,656,871, Oct. 27.
Anderson, Carl G., Elgin, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Welding method and article produced thereby. 2,629,806, Feb. 24.
Anderson, Carl G., Joplin, Mo. Cinder and cement railroad tie with cushioning means. 2,631,784, Mar. 17.
Anderson, Carl G., Jr.: *See*—
Greeman, George A., and Anderson.
Anderson, Carl J., assignee: *See*—
Paul, Wanda L.
Anderson, Carl J., Council Bluffs, Iowa, W. J. Miller, North Platte, and W. Jansky, Omaha, Nebr. Brake beam safety support. 2,632,531, Mar. 24.
Anderson, Carl N., Staten Island, C. J. Dennen, Brooklyn, and W. A. Graeffinger, Queens Village, N. Y. Can opener and sealer. 2,631,366, Mar. 17.
Anderson, Carl R., Allentown, Pa., assignor to Air Products, Incorporated. Method of and apparatus for pumping liquefied gases. 2,663,166, Dec. 22.
Anderson, Carroll R., Minnetonka Beach, assignor to Munsingwear, Inc., Minneapolis, Minn. Garment having a resilient section. 2,636,368, Apr. 28.
Anderson, Charles C.: *See*—
Wheatley, John B., Gaubatz, and Anderson.
Anderson, Charles F., Decorah, Iowa. Article sorting device. 2,646,805, July 28.
Anderson, Charles H. J.: *See*—
Van Werd, Johannes H. F., and Anderson.
Anderson, Charles H. J., and J. H. F. van Werd, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric lamp holder. 2,658,118, Nov. 3.
Anderson, Chester S., St. Charles, Ill. Plumbing device for use in hanging wallpaper. 2,624,118, Jan. 6.
Anderson, Chester S., St. Charles, Ill. Fastener element having a laterally movable head. 2,633,049, Mar. 31.
Anderson, Clair H., Sr., San Diego, Calif. Angle measuring tool. 2,649,780, Aug. 25.
Anderson, Clarence A., San Diego, Calif. Instrument for indicating permeability. 2,659,857, Nov. 17.
Anderson, Clarence E., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Self-supporting automatically operable tube cutter. 2,638,667, May 19.
Anderson, Clarence N., Northwood, Iowa. Flag holder. 2,646,240, July 21.
Anderson Company, The, assignee: *See*—
Boddy, Leonard.
Anderson, Dan C.: *See*—
Hagemeyer, Hugh J., Jr., and Anderson.
Anderson, David E., assignor to Thompson Products, Inc., Cleveland, Ohio. Carburetor supplementary fuel feed device with auxiliary fuel pump. 2,660,417, Nov. 24.
Anderson, David E., Shaker Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary fuel feed device. 2,624,558, Jan. 6.
Anderson, David E., R. A. Kolonick, and W. Raymor, assignors to Thompson Products, Inc., Cleveland, Ohio. Supplemental fuel feed device. 2,642,082, June 16.
Anderson, David G., Jamestown, N. Y. Hook guard. 2,660,871, Dec. 1.
Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Combined video gain and frequency response control. 2,627,022, Jan. 27.
Anderson, Earl R., Campbell, Calif. Processing apparatus. 2,630,908, Mar. 10.
Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint bonded boot. 2,629,992, Mar. 3.

Anderson, Edward G., Philadelphia, Pa. Fixture for cutting circular pieces. 2,653,633, Sept. 29.

Anderson, Edward P., Teaneck, assignor to Charles Engelhard, Incorporated, East Newark, N. J. Furnace atmosphere indicator. 2,639,610, May 26.

Anderson, Edwin F., Salt Lake City, Utah, assignor to A. D. and F. G. Elmer, as joint tenants. Water softener. 2,627,503, Feb. 3.

Anderson, Elmer G., Portland, Oreg. Self-protecting valve. 2,658,711, Nov. 10.

Anderson, Emil W., and V. D. Anderson, Rugby, N. Dak. Booster battery carting and emergency servicing equipment. 2,659,042, Nov. 10.

Anderson, Eric E., Needham Heights, Mass., assignor, by mesne assignments, to National Pneumatic Co., Inc. Signaling switch device. 2,624,808, Jan. 6.

Anderson, Eric W., Chicago, Ill. Sausage linking machine. 2,641,798, June 16.

Anderson, Ernest O., San Jose, Calif. Pulsating type tire gauge. 2,661,760, Dec. 8.

Anderson, Everett V., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Aqueous dispersions of butyl rubber-natural rubber blends. 2,658,044, Nov. 3.

Anderson, Farrel L., and G. Bowers, Bird City, Kans. Tire truing device. 2,649,665, Aug. 25.

Anderson, Floyd E.: *See*—
Mast, George W., and Anderson.
Scudi, John V., and Anderson.

Anderson, Frank W., North Weymouth, assignor to Murphy Automatic Pinsetter Company, Inc., Somerville, Mass. Alley sweep. 2,629,595, Feb. 24.

Anderson, Fred A., Richmond Hill, N. Y., D. G. Blattner, Mountain Lakes, N. J., and V. F. Miller, Plandome, assignors to Bell Telephone Laboratories Incorporated, New York, N. Y. Swaging pliers for electrical connections. 2,627,769, Feb. 10.

Anderson, Frederick E., Elizabeth, W. Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cutting machine for plastic sheeting. 2,655,213, Oct. 13.

Anderson, Frithiof B., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable frequency oscillator. 2,633,534, Mar. 31.

Anderson, George, Walla Walla, Wash. Punchboard chance counting punch means. 2,661,156, Dec. 1.

Anderson, George E., Davenport, Iowa. Shield for neurocalometers. 2,646,035, July 21.

Anderson, George L., Alexandria, Va., assignor to the United States of America as represented by the Secretary of the Army. Foldable ration heater. 2,627,263, Feb. 3.

Anderson, George W., Great Neck, N. Y. Can opener-handle combination. 2,648,900, Aug. 18.

Anderson, George W., Port Washington, N. Y. Joint for demountable furniture. 2,636,229, Apr. 28.

Anderson, Gordon A.: *See*—
Paul, Philip T., and Anderson.

Anderson, Gordon C.: *See*—
Tarbox, Philip B., and Anderson.

Anderson, Gordon H., Inglewood, Calif., assignor to North American Aviation, Inc. Disconnect coupling. 2,646,294, July 21.

Anderson, Guy E., Wytopitlock, Maine. Tire spreader. 2,650,062, Aug. 25.

Anderson, Harold, Lansing, Mich. Camp trailer. 2,656,213, Oct. 20.

Anderson, Harold G.: *See*—
Euwer, Herbert D., and Anderson.

Anderson, Harold G., Fort Lee, N. J., and G. B. Parsons, Roosevelt, assignors to American Car and Foundry Company, New York, N. Y. Wheel housing cover. 2,650,547, Sept. 1.

Anderson, Harry J., assignor to Hills-McCanna Company, Chicago, Ill. Pump and stroke adjusting mechanism. 2,634,683, Apr. 14.

Anderson, Harry N., Orleans, Vt. Folding table leg lock. 2,653,066, Sept. 22.

Anderson, Henry, Spencer, Iowa. Valve with foot actuated control. 2,649,116, Aug. 18.

Anderson, Herbert M., Concord, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Production of sulfur from hydrogen sulfide. 2,650,154, Aug. 25.

Anderson, Homer G., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,625,669, Jan. 13.

Anderson, Howard F., Torrington, Conn., assignor to The American Brass Company. Rolling mill and coiling apparatus. 2,653,496, Sept. 29.

Anderson, Hugo, and H. P. Phillips, assignors to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and ring support and expander member. 2,659,639, Nov. 17.

Anderson, Hugo F.: *See*—
Phillips, Harold P., and Anderson.

Anderson, Irwin L., Cleveland, Ohio. Adjustable support. 2,628,051, Feb. 10.

Anderson, J. M., trustee, assignee: *See*—
Bernett, Willis J.

Anderson, James, Newton Mearns, Scotland. Impact valve for metal-cutting machines. 2,634,756, Apr. 14.

Anderson, James A., Hartford, Ala. Peanut harvesting machine. 2,632,290, Mar. 24.

Anderson, James D., Detroit, Mich. Nonskid attachment. 2,638,954, May 19.

Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Liquid-gas separator. 2,626,006, Jan. 20.

Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Vibration absorbing handle for rock drills. 2,629,364, Feb. 24.

Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Resonant explosion gas turbine plant with a mixing chamber. 2,629,983, Mar. 3.

Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Blower blade fastening device. 2,661,147, Dec. 1.

Anderson, James H., Easton, Pa., and G. Farnell, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. One-half wave length resonant explosion gas unit. 2,627,163, Feb. 3.

Anderson, James W., Kansas City, Kans. Fountain brush head having sliding valve. 2,638,614, May 19.

Anderson, John, S. Coldfield, and R. S. Goy, Castle Bromwich, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Making tennis balls. 2,652,094, Sept. 15.

Anderson, John A., Ortonville, Minn. Stone digger. 2,624,959, Jan. 13.

Anderson, John E.: *See*—
Martin, Erle, Beebe, and Anderson.

Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Pitch lock mechanism. 2,635,702, Apr. 21.

Anderson, John E., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Hub mounted control. 2,653,668, Sept. 29.

Anderson, John F., Oakland, Calif. No-draft arm signaling vehicle window. Re. 23,633, Mar. 24.

Anderson, John F., Oakland, Calif. No-draft, arm signaling vehicle window. 2,658,791, Nov. 10.

Anderson, John F., Seattle, Wash. Headset for supporting a telephone. 2,653,193, Sept. 22.

Anderson, John L., assignor to National Rejectors, Inc., St. Louis, Mo. Slug rejector scavenger. 2,624,438, Jan. 6.

Anderson, John R., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic head. 2,662,120, Dec. 8.

Anderson, John S., Cokato, Minn. Telescoping television mast. 2,632,850, Mar. 24.

Anderson, John T., Portland, Oreg. Synchronizer. 2,642,234, June 16.

Anderson, John W.: *See*—
Ingalls, David, and Anderson.

Anderson, John W., Baldoon, Shaw, via Blayney, New South Wales, Australia. Portable hinged slat fence. 2,628,074, Feb. 10.

Anderson, John W., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pilot. 2,633,314, Mar. 31.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Cabinet and bracket therefor. 2,632,684, Mar. 24.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Connector for wiper blades and arms. 2,632,907, Mar. 31.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Connector. 2,632,910, Mar. 31.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm. 2,642,611, June 23.

Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Cleaning pad for windshields. 2,644,974, July 14.

Anderson, John W., Edina, and R. R. Chapman, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pilot. 2,662,705, Dec. 15.

Anderson, Karl R.: *See*—
McClelland, Arthur H., and Anderson.

Anderson, Karl V., Schenectady, assignor to American Locomotive Company, New York, N. Y. Combustion chamber for internal-combustion engines. 2,644,433, July 7.

Anderson, Kathryn B., Grosse Pointe Farms, Mich. Device for supporting a camera or similar instrument. 2,636,822, Apr. 28.

Anderson, Lawrence C.: *See*—
Kasten, Walter, and Anderson.

Anderson, Leslie J., Moorestown, and M. E. Hawley, Collingwood, N. J., assignors to Radio Corporation of America. Thermomagnetic transducer. 2,637,823, May 5.

Anderson, Leslie J., Moorestown, N. J., and R. K. Duncan, Woodburn, Ind., assignors to Radio Corporation of America. Electromechanical transducer. 2,645,683, July 14.

Anderson, Lloyd L.: *See*—
Mark, Vennice E., and Anderson.

Anderson, Lloyd L., Grand Rapids, assignor to Jervis Corporation, Grandville, Mich. Latch mechanism. 2,652,227, Sept. 15.

Anderson, Lloyd L., and N. S. Waring, Grand Rapids, and A. W. Korb, Grandville, Mich., assignors to Jervis Corporation. Magnetic door seal. 2,659,114, Nov. 17.

Anderson, Lloyd L., and N. S. Waring, Grand Rapids, and A. W. Korb, Grandville, Mich., assignors to Jervis Corporation. Magnetic door seal. 2,659,115, Nov. 17.

Anderson, Lloyd L., and N. S. Waring, Grand Rapids, and A. W. Korb, Grandville, Mich., assignors to Jervis Corporation. Magnetic door seal. 2,659,118, Nov. 17.

Anderson, Marion F., Grand Island, Nebr. Carburetor adapter. 2,645,570, July 14.

Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Universal coupling for conveyers. 2,649,177, Aug. 18.

Anderson, Nelson E., Berkeley Heights, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Electric welding apparatus. 2,659,796, Nov. 17.

Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated. Stabilizing welding arc. 2,629,071, Feb. 17.

Anderson, Nelson E., Berkeley Heights, and E. T. Sullivan, Laurence Harbor, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Arc welding apparatus. 2,659,797, Nov. 17.

Anderson, Noel M., Des Moines, Iowa. Yard hydrant. 2,649,111, Aug. 18.

Anderson, Noel M., Des Moines, Iowa. Hydrant. 2,649,768, Aug. 25.

Anderson, Norman C., Auburndale, assignor to Fireye Corporation, Cambridge, Mass. Photoconductive cell. 2,636,100, Apr. 21.

Anderson, Norman C., Batavia, assignor to Continental Electric Company, Geneva, Ill. Apparatus and method for making a photoconductive element. 2,659,682, Nov. 17.

Anderson, Olof G.: *See*—
Cletus, Carl A., and Anderson.

Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner nozzle and combing tooth construction therefor. 2,626,419, Jan. 27.

Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Self-cleaning strainer arrangement for dishwashing machines. 2,649,765, Aug. 25.

Anderson, Oscar M., assignor to Landers, Frary and Clark, New Britain, Conn. Coupling for drink mixers. 2,664,002, Dec. 29.

Anderson, Paul V., Gardner, Mass. Stabilizing wheel attachment for bicycles. 2,647,764, Aug. 4.

Anderson, Perry, assignor to A. O. Smith Corporation, Milwaukee, Wis. Carbon arc welding apparatus. 2,636,147, Apr. 21.

Anderson, Philip K., Rahway, N. J., assignor to The American Metal Company, Ltd., New York, N. Y. Submerged blast reaction tank. 2,624,657, Jan. 6.

Anderson, Philip K., Rahway, N. J., assignor to The American Metal Company Ltd., New York, N. Y. Producing copper oxychloride. 2,655,432, Oct. 13.

Anderson Products, Inc., assignee: *See*—
Ferguson, Warren T.

Anderson, Ralph F., assignee: *See*—
Anderson, Swan F.

Anderson, Ralph F., Rockford, Ill. Stick dispensing machine. 2,645,398, July 14.

Anderson, Raymond B., Oklahoma City, Okla. Flat tire signal. 2,659,781, Nov. 17.

Anderson, Raymond J., assignor to The Dow Chemical Company, Midland, Mich. Production of anhydrous zirconium fluoride. 2,639,218, May 19.

Anderson, Raymond T., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Counter-current extraction apparatus. 2,663,623, Dec. 22.

Anderson, Richard E., assignor, by mesne assignments, to F. H. Reeves, Portland, Oreg. Variable stroke multipiston pump. 2,625,887, Jan. 20.

Anderson, Richard M., Rockford, Ill. Toy balloon novelty. 2,635,387, Apr. 21.

Anderson, Richard W.: *See*—
Raburn, Louis E., and Anderson.

Anderson, Robert: *See*—
Seeloff, Melvin M., and Anderson.

Anderson, Robert, Des Plaines, and R. F. Bracke, Arlington Heights, assignors, by mesne assignments, to R. F. Bracke & Company, Chicago, Ill. Carburetor. 2,662,758, Dec. 15.

Anderson, Robert B., and J. F. Shultz, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Iron nitride catalysts in carbon oxide hydrogenations. 2,629,728, Feb. 24.

Anderson, Robert G., Erie, Pa. Dust collector and mop storage device. 2,631,318, Mar. 17.

Anderson, Robert I., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin setter. 2,634,978, Apr. 14.

Anderson, Robert J.: *See*—
Noon, T Cyril, and Anderson.

Anderson, Robert L.: *See*—
Walley, Omar C., and Anderson.

Anderson, Robert L., Garfield Heights, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Electric motor brake-coupling assembly. 2,628,321, Feb. 10.

Anderson, Roger, Seattle, Wash. Orthopedic brace. 2,632,442, Mar. 24.

Anderson, Roy H., Bellevue, assignor to Boeing Airplane Company, Seattle, Wash. Shaft coupling mechanism. 2,626,027, Jan. 20.

Anderson, Roy H., Bellevue, assignor to Boeing Airplane Company, Seattle, Wash. Limit stop mechanism. 2,631,709, Mar. 17.

Anderson, Rugner E., Orofino, Idaho. Can puncturing device. 2,624,108, Jan. 6.

Anderson, Russell J., Racine, Wis., assignor to Belle City Malleable Iron Company. Tiltable dumping device for mold conveyers. 2,662,651, Dec. 15.

Anderson, Swan F., assignor of one-half to himself and one-half to R. F. Anderson, Rockford, Ill. Sandwich machine. 2,639,677, May 26.

Anderson, Swan F., assignor of one-half to R. F. Anderson, Rockford, Ill. Balancing device. 2,641,877, June 16.

Anderson, Thomas: *See*—
Levitt, Percy B., and Anderson.

Anderson, Thomas F.: *See*—
Daugherty, Clyde J., and Anderson.

Anderson, Thomas F., Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polymerizable polyester compositions. 2,632,752, Mar. 24.

Anderson, Thomas F., Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polyester compositions stabilized with p-benzoquinones. 2,632,753, Mar. 24.

Anderson, Thomas F., Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polyester compositions stabilized with a hydroxybenzoic acid. 2,635,089, Apr. 14.

Anderson, Thomas F., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Stabilized polyester compositions. 2,632,751, Mar. 24.

Anderson, Tilman R., Viroqua, Wis. Shelf. 2,643,931, June 30.

Anderson, Tore N.: *See*—
Coolidge, Roger S., Keely, Smith, and Anderson.

Anderson, V. D., Company, The, assignee: *See*—
Anderson, Raymond T.
Dunning, John W.

Anderson, Vernon H., Hermosa Beach, Calif. Drill pipe wiper. 2,654,906, Oct. 13.

Anderson, Vernon L., assignor of one-half to P. W. Christensen, Kansas City, Mo. Bowling ball grip structure. 2,656,188, Oct. 20.

Anderson, Virgil D.: *See*—
Anderson, Emil W., and V. D. Anderson.

Anderson, Volney S., Los Angeles, Calif. Means for stripping rubber articles from a core. 2,663,902, Dec. 29.

Anderson, W. E., Inc., assignee: *See*—
Webster, Raymond C.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Front feed paper gauge. 2,626,696, Jan. 27.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Automatic carriage return control. 2,630,900, Mar. 10.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Removable control plate for accounting machines. 2,634,051, Apr. 7.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Front feed carriage for accounting machines. 2,639,019, May 19.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Multizero indexing device for adding machines. 2,647,690, Aug. 4.

Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Item retaining mechanism for accounting machines. 2,655,312, Oct. 13.

Anderson, Walter A., Trumbull, Conn., assignor to Underwood Corporation, New York, N. Y. Type bar restraining mechanism for accounting machines. 2,639,088, May 19.

Anderson, Walter A., Trumbull, Conn., assignor to Underwood Corporation, New York, N. Y. Register selecting mechanism for accounting machines. 2,642,222, June 16.

Anderson, Walter A., Trumbull, Conn., assignor to Underwood Corporation, New York, N. Y. Overload release device. 2,647,600, Aug. 4.

Anderson, Walter A., Trumbull, Conn., assignor to Underwood Corporation, New York, N. Y. Skip tabulating mechanism for accounting machines. 2,647,691, Aug. 4.

Anderson, Walter A., Trumbull, Conn., assignor to Underwood Corporation, New York, N. Y. Paper guide for accounting machines. 2,650,688, Sept. 1.

Anderson, Walter J.: *See*—
Larsen, Merwin J., Anderson, Erickson, and Evett.

Anderson, Walter J., Elgin, assignor, by mesne assignments, to Central Commercial Industries, Inc., Chicago, Ill. Musical instrument. 2,649,007, Aug. 18.

Anderson, Walter M., Hubbard, Oreg. Solid wall structure. 2,624,920, Jan. 13.

Anderson, Walter R., Cleveland, Ohio, assignor to Koehring Company, Milwaukee, Wis. Carry-type scraper and digging front apron arrangement. 2,648,920, Aug. 18.

Anderson, Werner B., assignor to Detroit Steel Products Company, Detroit, Mich. Inlaid surface for window sills. 2,663,388, Dec. 22.

Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Folding box. 2,639,080, May 19.

Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Golf club box. 2,645,353, July 14.

Anderson, William D. L., Salt Lake City, Utah. Transfer means for pillow feathers and the like. 2,650,011, Aug. 25.

Anderson, William F., Wilmington, Calif. Sewer cleanout implement. 2,637,058, May 5.

Anderson, William J., assignor, by mesne assignments, to A. E. Payne, Springfield, Ohio. Illuminated sign. 2,637,926, May 12.

Anderson, William S., assignor of one-half to J. E. Axeman, Williamsport, Pa. Shaft bearing. 2,648,575, Aug. 11.

Anderson, William T., East Jaffrey, N. H. Downdraft diminishing means for chimneys. 2,635,526, Apr. 21.

Anderson, William T., Jr., Maplewood, assignor to Hanovia Chemical & Manufacturing Co., Newark, N. J. Electrical conductor for discharge devices. 2,659,183, Nov. 17.

Anderson, William T., Jr., Maplewood, assignor to Hanovia Chemical and Mfg. Company, Newark, N. J. Ultraviolet vapor electric discharge device. 2,659,833, Nov. 17.

Anderson, Wilmer C., assignor to Deering Milliken Research Trust, Greenwich, Conn. Protective device. 2,661,551, Dec. 8.

Andersson, Bengt R., and K. E. V. Qvarfordt, Gothenburg, Sweden. Pot type oil burner. 2,642,130, June 16.

Andersson, Gustav H., assignor to Haldex Aktiebolag, Halmstad, Sweden. Shockproof dial indicator. 2,645,857, July 21.

Andersson, J. R., & Co. A B, assignee: *See*—
Dahlberg, Bengt R.

Andersson, Jonas L., Hudiksvall, Sweden. Sign. 2,647,335, Aug. 4.

Andersson, Karl E., Enskede, Sweden. Fishing rod. 2,647,001, July 28.

Andersson, Oscar B.: *See*—
Kolpe, Olof R., and Andersson.

Anderton, Benjamin A., Cliffside Park, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Cold-rollable paving mix. 2,629,669, Feb. 24.

Andina, Ernest J., New York, assignor to Amsco Packaging Machinery, Inc., Long Island City, N. Y. Machine for heat-sealing thermoplastic materials. 2,638,964, May 19.

Andis Clipper Company, assignee: *See*—
Mullinger, Rudolph C.

Andler, Robert F., assignor to Electrol Burner Manufacturing Co., Inc., Rutherford, N. J. Control device for oil burners. 2,645,411, July 14.

André, Henri, Montmorency, France, assignor to La Soudure Electrique Languepin. Low voltage electrochemical condenser of high specific gravity. 2,660,695, Nov. 24.

Andre, John R., assignee: *See*—
Coppage, Avery S.

André, Noble, San Francisco, Calif. Flap folding means. 2,647,447, Aug. 4.

Andre, Robert F., Cleveland Heights, Ohio, assignor, by mesne assignments, to International Molded Plastics, Inc. Snap-fastener toy blocks. 2,649,803, Aug. 25.

Andre Rubber Company Limited, assignee: *See*—
Clements, Henry.

Andren, Karl H., Greenfield, assignor to Counter and Control Corporation, Milwaukee, Wis. Portable sheet counter and marker. Re. 23,641, Apr. 14.

Andres, Lloyd J., assignor to Permo, Incorporated, Chicago, Ill. Hydrospeedometer. 2,636,385, Apr. 28.

Andres, Lloyd J., assignor, by mesne assignments, to United Manufacturing Company, Chicago, Ill. Phonograph tone arm. 2,643,887, June 30.

Andres, Lloyd J., Itasca, assignor, by mesne assignments, to H. C. Evans & Company, Chicago, Ill. Record changing mechanism for automatic phonographs. 2,630,323, Mar. 3.

Andres, Stanley G., Metuchen, N. J., assignor to Research Corporation, New York, N. Y. Collecting electrode. 2,631,686, Mar. 17.

Andresen, Hilmar A., Chicago, Ill. Fluid translating device. 2,640,678, June 2.

Andresen, John H., Jr., Port Washington, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Dive angle indicator for aircraft. 2,635,467, Apr. 21.

Andresen, John H., Jr., Port Washington, assignor to Kollsman Instrument Corporation, Elmhurst, N. Y. Magnetic drag tachometer. 2,642,274, June 16.

Andresen, John H., Jr., Port Washington, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Power-time recorder. 2,645,118, July 14.

Andress, Harry J., Jr., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Fuel oil composition. 2,658,823, Nov. 10.

Andress, Harry J., Jr., Woodbury, and F. L. Nelson, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Motor fuel. 2,654,697, Oct. 6.

Andrew, Clyde M., assignor to Blue Bell, Inc., Greensboro, N. C. Making a label. 2,662,033, Dec. 8.

Andrew Corporation, assignee: *See*—
Scheidorf, Marvel W.

Andrew, Gordon W., Dayton, Ohio. Proportional control. 2,634,414, Apr. 7.

Andrew, Robert L., Elmira, N. Y. Auxiliary roller for lawn mowers. 2,644,290, July 7.

Andrews, Albert, Fort Collins, Colo. Centrifugal control mechanism. 2,653,458, Sept. 29.

Andrews, Albert, Grand Junction, Colo. Escape unit. 2,646,964, July 28.

Andrews-Alderer Company, assignee: *See*—
Thompson, Robert D., Alderfer, and Bosshard.

Andrews, Boley A.: *See*—
Sabin, Eugene R., Andrews, and Shontz.

Andrews, Dallas R., Collingswood, N. J., assignor to Radio Corporation of America. Driving apparatus. 2,627,596, Feb. 3.

Andrews, Daly P., Mountain Grove, Mo. Reciprocating log saw with cable driven carriage. 2,628,645, Feb. 17.

Andrews, Edward D., assignee: *See*—
Alderfer, Sterling W.

Andrews, Fred W., assignor to International Latex Corporation, Dover, Del. Adjustable fastening device. 2,636,183, Apr. 28.

Andrews, Fred W., assignor to International Latex Corporation, Dover, Del. Display stand. 2,649,969, Aug. 25.

Andrews, Harry C., Denver, Colo., and J. F. Gifford, Richland, Wash., assignors to the United States of America as represented by the United States Atomic Energy Commission. Remote control pipetting unit. 2,624,656, Jan. 6.

Andrews, John M., assignor to York Corporation, York, Pa. Impeller pump with noise suppressing means. 2,632,394, Mar. 24.

Andrews, John M., assignor to York Corporation, York, Pa. Atmospheric condenser for refrigerating systems. 2,650,075, Aug. 25.

Andrews, John R., Jr., assignor to Bachmann Uxbridge Worsted Co., Inc., Uxbridge, Mass. Apparatus for splitting warp sheets and the like. 2,637,094, May 5.

Andrews, John S., Los Angeles, Calif. Combination heater outlet and air circulator. 2,646,744, July 28.

Andrews, John W., Pittsburgh, Pa., assignor to United States Steel Corporation. Tin and tin alloy plating bath. 2,633,450, Mar. 31.

Andrews, Joseph B., Jr., Cincinnati, Ohio. Well drilling device. 2,637,527, May 5.

Andrews, Kenneth J. M.: *See*—
Morrison, Alexander L., and Andrews.

Andrews, Marianne, assignee: *See*—
Cipolla, Joseph S.

Andrews, Michael Z., Chula Vista, Calif. Tool handle connection. 2,658,804, Nov. 10.

Andrews, Norman F., Ankeny, Iowa, assignor to Deere & Company, Moline, Ill. Harvester gatherer belt. 2,637,436, May 5.

Andrews, Percy W., New York, N. Y. Combined scissor and knife sharpener. 2,645,066, July 14.

Andrews, Ralph, Syracuse, N. Y. Rotator drum truck. 2,653,015, Sept. 22.

Andrews, Steve J., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. Re. 23,660, May 26.

Andrews, Walter A., assignor to Rolls-Royce Limited, Derby, England. Control means for aircraft power plant installations. 2,629,569, Feb. 24.

Andrews, William E., New York, N. Y. Tunnel portal construction. 2,642,788, June 23.

Andries, Alfonse M., Columbus, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Fluid impact pulverizer and separator. 2,624,516, Jan. 6.

Andring, Frank P., assignee: *See*—
Wilds, Charles C.

Androsiglio, Lucio, Hoboken, N. J. Folding chair. 2,658,562, Nov. 10.

Andrus, Budd W., Eugene, assignor to Monarch Forge & Machine Works, Portland, Oreg. Sawmill carriage dogging apparatus. 2,633,879, Apr. 7.

Andrus, Budd W., Eugene, assignor to Monarch Forge & Machine Works, Portland, Oreg. Power transmission unit for sawmill carriages and the like. 2,637,428, May 5.

Andrus, George, Minneapolis, Minn. Rocker convertible to nonrocking chair. 2,624,393, Jan. 6.

Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Dynamoelectric apparatus and making the same. 2,636,137, Apr. 21.

Andrus, Orrin E., assignor to A. O. Smith Corporation, Milwaukee, Wis. Manufacturing plated articles. 2,653,211, Sept. 22.

Andrus, Orrin E., assignor to A. O. Smith Corporation, Milwaukee, Wis. Method and apparatus for manufacturing composite plates. 2,657,298, Oct. 27.

Anemostat Corporation of America, assignee: *See*—
Kurth, Franz J.
Kurth, Franz J., Phillips, and Waeldner.
Lange, Adolf H.
Phillips, Leonard R.
Phillips, Leonard R., and Nilsson.

Anetsberger Brothers, Inc., assignee: *See*—
Anetsberger, Frank A.
Anetsberger, Joseph F. and F. A.
Kinzelman, Joseph, and Anetsberger.
Whitehead, Dean, and Anetsberger.

Anetsberger, Frank A.: *See*—
Anetsberger, Joseph F. and F. A.
Kinzelman, Joseph, and Anetsberger.

Anetsberger, Frank A., Chicago, assignor to Anetsberger Brothers, Inc., Northbrook, Ill. Rotary flour brush. 2,632,410, Mar. 24.

Anetsberger, Joseph F.: *See*—
Whitehead, Dean, and Anetsberger.

Anestberger, Joseph F., Northbrook, and F. A. Anetsberger, Chicago, assignors to Anetsberger Brothers, Inc., Northbrook, Ill. Dough slicing apparatus. 2,660,133, Nov. 24.

Angel, Perry L: *See*—
Mackay, Thomas R., and Angel.

Angell, Elvin D., Glen Ellyn, assignor to M. Hartstein, Chicago, Ill. Coin-actuated article dispensing package. 2,629,476, Feb. 24.

Angell, Otis R., North Quincy, Mass. Artificial fish bait. 2,631,397, Mar. 17.

Angell, Paul M., assignor to Newly Weds Baking Co., Chicago, Ill. Apparatus for manufacturing ice-cream cake confections and the like. 2,627,237, Feb. 3.

Angell, Paul M., and W. J. Benn, assignors to Newly Weds Baking Co., Chicago, Ill. Apparatus for manufacturing ice-cream cake rolls and the like. 2,627,236, Feb. 3.

Angell, Pierce T., Cleveland, and C. D. Vaughn, Wickliffe, assignors to Thompson Products, Inc., Cleveland, Ohio. Machine for milling impeller wheels. 2,662,450, Dec. 15.

Angell, Robert C., Prince Bay, N. Y., assignor to R. B. Black, Corpus Christi, Tex. Equipment for treating teeth by means of finely powdered materials carried by a stream of gas. 2,661,537, Dec. 8.

Angell, Walter E., Brooklyn, N. Y. Automatic motor-driven pencil sharpener. 2,657,672, Nov. 3.

Angelo, Nicholas C., Waco, Tex. Child's portable chair. 2,637,372, May 5.

Angelo, Nicholas J., Evergreen Park, Ill., assignor to W. J. and W. G. Podbielniak. Centrifugal countercurrent exchange device. 2,652,975, Sept. 22.

Angelus Engineering Corporation, assignee: *See*—
Mazzola, Ambrose.

Angénieux, Pierre, Paris, France. Large aperture photographic objective. 2,649,021, Aug. 18.

Angénieux, Pierre, Paris, France. Wide-angle photographic objective lens assembly. 2,649,022, Aug. 18.

Anger, Ernest G., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Electric control circuit. 2,634,320, Apr. 7.

Anger, Hal O., Long Beach, Calif., assignor to the United States of America as represented by the Secretary of War. Interference reducing pulse echo signaling system. 2,635,231, Apr. 14.

Angier, Robert B., Pearl River, assignor to American Cyanamid Company, New York, N. Y. 2-pyrrolidone-5-carboxamide derivatives and preparing the same. 2,651,639, Sept. 8.

Angiolino, Guy, and J. Galuppo, Brooklyn, N. Y. Binding and stemming machine. 2,653,439, Sept. 29.

Angles d'Auriac, Paul, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Pressure regulator. 2,651,323, Sept. 8.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Haresnape, John N., and Hesling.
Haresnape, John N., and Housam.
Haresnape, John N., and Porter.
Lowson, Murray H.
MacLean, Thomas T.
Oldham, Wilfred J., and Wirth.
Porter, Frederick W. B., and Haresnape.
Porter, Frederick W. B., and Northcott.

Angstadt, John W., Kenmore, N. Y., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Method and apparatus for distributing viscous liquids and heavy slurries. 2,659,630, Nov. 17.

Angus, Max R., and A. E. Brinkman, North Hobart, Tasmania, Australia; said Brinkman assignor to said Angus. Adjustable frame for supporting or mounting flat pieces or objects. 2,633,653, Apr. 7.

Animal Trap Company of America, assignee: *See*—
Graybill, Hershey R.
Lehn, John U., and Weidman.

Anjeskey, Alphonse F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Overhead monorail system. 2,642,814, June 23.

Anker-Werke, A. G., assignee: *See*—
Aurbach, Kurt, and Klaar.
Aurbach, Kurt, and Schaper.
Klaar, Albert.
Schaper, Hans.
Sobisch, Johannes.

Anlo Inc., assignee: *See*—
Kurt, Anton.

Annas, Paul J., Cleveland, and R. A. Bice, Euclid, Ohio; said Bise assignor to said Annas. Hearing aid. 2,633,927, Apr. 7.

Annelle Manufacturing Co., Inc., assignee: *See*—
Shiltong, Ellen E.

Annen, Robert, assignor to Roulements a Billes Miniatures S. A., Bienne, Switzerland. Lubricating device. 2,655,416, Oct. 13.

Anner, Georg: *See*—
Miescher, Karl, and Anner.

Annesley, Griffith, Portland, Oreg. Detachable rock drill bit. 2,631,824, Mar. 17.

Annesley, Griffith, assignor to H. E. Annesley, Portland, Oreg. Detachable rock drill bit. 2,654,573, Oct. 6.

Annesley, Helen E., assignee: *See*—
Annesley, Griffith.

Anness, Russell W., assignor to The Gardner Board and Carton Co., Middletown, Ohio. Timed feeding device for carton blanks. 2,639,916, May 26.

Anness, Russell W., assignor to The Gardner Board and Carton Co., Middletown, Ohio. Mechanism for freeing flaps and cutouts in carton blanks. 2,655,841, Oct. 20.

Annis, Eben B., South Stukely, Quebec, Canada. Device for preventing tractors from turning over backwards. 2,633,367, Mar. 31.

Anper, Inc., assignee: *See*—
Perugia, André.

Ansbacher-Siegle Corporation, assignee: *See*—
Holtzman, Harris, and Simon.

Anschuetz, Harvey J., Plymouth, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Fender skirt. 2,654,617, Oct. 6.

Anschutz, Charles, Dayton, Ky. Barge unloading device. 2,628,727, Feb. 17.

Ansel, Gerhard: *See*—
Perry, Robert E., Ansel, and Dietrich.

Ansel, Harry R., assignor to Wm. J. Stange Co., Chicago, Ill. Spice substance and preparing the same. 2,636,824, Apr. 28.

Ansley, Charles H., Rochester, N. Y. Fruit pitting and halving machine. 2,652,085, Sept. 15.

Anspacher, Edgar, Beverly Hills, Calif. Bed spring marginal rim and connections. 2,635,258, Apr. 21.

Anstalt für die Entwicklung von Erfindungen und gewerblichen Anwendungen Energa, assignee: *See*—
Brandt, Edgar W.

Anstett, Edgar P., Chicago, Ill. Sheet metal self-locking nail. 2,649,831, Aug. 25.

Ansul Chemical Company, assignee: *See*—
Allen, Alden.
Guise, Arthur B., and Allen.
Guise, Arthur B., and Sunstrom.
Vanderwall, Clifford C.

Anthell, Robert E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Bonding brake linings to brake shoes. 2,631,961, Mar. 17.

Anthes, Clifford C.: *See*—
Gilson, Hiram B., and Anthes.

Anthony, Benjamin F., Cleveland Heights, assignor to The Ferro Engineering Company, Cleveland, Ohio. Hot top cover. 2,663,920, Dec. 29.

Anthony Company, assignee: *See*—
Duis, Glenn A., and Park.

Anthony, Felix M. and H. S., Piedmont, Calif., said H. S. Anthony assignor to said F. M. Anthony. Device for crimping cable connectors. 2,645,141, July 14.

Anthony, Harry S.: *See*—
Anthony, Felix M. and H. S.

Anthony, Myron L.: *See*—
Virkus, Robert M., and Anthony.

Anthony, Myron L., and R. M. Virkus, La Grange, assignors to Motorola, Inc., Chicago, Ill. Electromechanical filter. 2,652,542, Sept. 15.

Anthony, Myron L., La Grange, and R. M. Virkus, Riverside, assignors to Motorola, Inc., Chicago, Ill. Electromechanical filter. 2,652,543, Sept. 15.

Anthony, William R., San Juan, P. R. High fidelity loudspeaker cabinet. 2,643,728, June 30.

Anthracite Equipment Corporation, assignee: *See*—
Johnson, Raymond C., and Tyrell.
Mulcey, Paul A., Eckerd, and Small.

Antioch College, assignee: *See*—
Vernet, Sergius.

Antipovitch, Boris, Mexico City, Mexico. Automatic starter for electric motors. 2,627,595, Feb. 3.

Antle, John T., Jr., Louisville, Ky., assignor of one-half to V. Devinney, Washington, D. C. Hydraulic drive for motor vehicles. 2,626,001, Jan. 20.

Antle, L. L., & Co., Inc., assignee: *See*—
Antle, Lloyd L., and Bohn.

Antle, Lloyd L., and R. M. Bohn, assignors to L. L. Antle & Co., Inc., Atlanta, Ga. Preventing discoloration of sliced organic materials. 2,628,905, Feb. 17.

Antifinger, George J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Terminating the polymerization of monomeric materials in aqueous emulsion and a nonstaining, nondiscoloring composition for use therein. 2,662,876, Dec. 15.

Anton, Nicholas, Brooklyn, N. Y. Radiation indicator. 2,649,554, Aug. 18.

Anton, Nicholas, Brooklyn, N. Y. Electron tube heat-dissipating radiator and fabricating same. 2,653,800, Sept. 29.

Anton Steinecker Maschinenfabrik A. G., assignee: *See*—
Zeiler, Karl and Lenz.

Antonelli, Bruno, Fall River, Mass. Round belt pliers. 2,627,655, Feb. 10.

Antonevich, Michael: *See*—
Crawford, Alfred, and Antonevich.

Antonevich, Michael, assignor to The Crawford Manufacturing Company, Inc., New Brunswick, N. J. Hole detector for circular knitting machines of the rib type. 2,643,534, June 30.

Antonioli, Peter, Jr., and A. Johnson, Butte, Mont. Pressure cooker. 2,654,501, Oct. 6.

Antony, John C., Pittsburgh, Pa. Building construction. 2,641,449, June 9.

Antony, William E., Shreveport, La. Directional antenna system. 2,657,313, Oct. 27.

Anway, Matilda B., co-executrix: *See*—
Hawkins, Charles A., and Zehrbaugh.

Anzionnaz, Rene: *See*—
Hermitte, Louis A., and Sedille.
Sédille, Marcel H. L.
Waeselynck, Raymond F. M.

Apel, Carl H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway vehicle operator's seat. 2,627,897, Feb. 10.

Apel, George E.: *See*—
Collins, Don F., Apel, and Fuller.

Apel, George E., Belmont, Mass., and D. F. Collins, Pontiac, Mich., assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Removing vulcanizing drum and pressure band from continuous vulcanizing machines. 2,643,444, June 30.

Apel, George E., Belmont, Mass., and D. F. Collins, Pontiac, Mich., assignors to Boston Woven Hose and Rubber Company, Cambridge, Mass. Vulcanizing machine. 2,650,565, Oct. 27.

Apex Accessories Co., Inc., assignee: *See*—
Pinson, Alfred.

Apex Electrical Manufacturing Co., The, assignee: *See*—
Kirby, James B.

Apex Machine & Tool Company, The, assignee: *See*—
Frank, Walter N.

Apex Tool & Cutter Company, assignee: *See*—
Sheridan, Henry M.

Apgar, Charles W., Philadelphia, assignor to Seaboard Container Corporation, Bristol, Pa. Apparatus for handling corrugated paperboard. 2,657,044, Oct. 27.

Apgar, Frank A., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Chemical refining of light oil distillates. 2,625,503, Jan. 13.

Aponovitch, John: *See*—
Clark, Francis R., and Aponovitch.

Apothéloz, Robert, Zurich, assignor to Machine Tool Works Oerlikon Administration Company, Zurich-Oerlikon, Switzerland. Fuse. 2,641,186, June 9.

Appel, Everett H., Aurora, Ill. Discharge arrangement for agricultural loading machines. 2,626,698, Jan. 27.

Appel, Henry W.: *See*—
Helpert, Louis R., and Appel.

Appel, Theodore B., Jr., assignor to The C. S. Johnson Company, Champaign, Ill. Sheave assembly. 2,645,533, July 14.

Appel, Walter D., Orchard Lake, assignor to Ford Motor Company, Dearborn, Mich. Vehicle body construction. 2,664,308, Dec. 29.

Appell, Herbert R., assignor to Universal Oil Products Company, Chicago, Ill. Reactivating a supported platinum catalyst. 2,635,080, Apr. 14.

Appell, Herbert W., Mattapan, Mass. Dispensing means for fountain brushes. 2,661,874, Dec. 8.

Appert, Kurt E.: *See*—
Erickson, Lennart G., and Appert.

Appleby, Elmer L., Calgary, Alberta, Canada. Friction reducing apparatus for governor spindles. 2,664,285, Dec. 29.

Appleby, Paul E., assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for stitching tires. 2,642,921, June 23.

Appleby, Paul E., assignor to Wingfoot Corporation, Akron, Ohio. Tire bead stitching mechanism. 2,649,892, Aug. 25.

Appleman, Leon H., Waco, Tex., assignor to Mason, Kolehmainen, Rathburn & Wyss, Chicago, Ill. Signal-operated variable-gain amplifying system. 2,626,322, Jan. 20.

Appleman, Morris: *See*—
Kolkey, Leonard B., and Appleman.

Appleman, Theodore C., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Illuminated indicated control. 2,648,305, Aug. 11.

Appleton, Arthur I., assignor to Appleton Electric Company, Chicago, Ill. Electrical connector. 2,630,339, Mar. 3.

Appleton, Arthur I., Northbrook, Ill. Automobile seat structure. 2,660,223, Nov. 24.

Appleton Electric Company, assignee: *See*—
Appleton, Arthur I.
Tornblom, Nils A.

Appleton, Henry B., and P. F. Kiehl, assignors to L. B. Holliday & Company, Limited, Deighton, Huddersfield, England. Improving the brightness of textile materials and product. 2,661,305, Dec. 1.

Appleton, Jay C., Minneapolis, Minn. Piston. 2,653,065, Sept. 22.

Appleton Wire Works, Inc., assignee: *See*—
Purdy, Bruce B.

Appliance Corporation of America, assignee: *See*—
Horvath, John F.

Appuhn, Klaus, Vina Del Mar, assignor to Compañía Industrial, Valparaiso, Chile. Manufacture of odorless soap from low grade oils and fats. 2,640,840, June 2.

Apstein, Maurice, Bethesda, Md. Electron discharge device of the resonator type. 2,656,483, Oct. 20.

Aquino, Salvatore A., Teaneck, N. J., and C. D. Welshenbach, assignors to The Hinde & Dauch Paper Company, Sandusky, Ohio. Paperboard box of the suitcase type. 2,658,661, Nov. 10.

Aralloy Company, The, assignee: *See*—
Uhle, David J.

Aram, Eric H. G.: *See*—
Chamberlain, William A., and Aram.

Aram, Nathan W., Park Ridge, Ill., assignor to Zenith Radio Corporation. Turnstile antenna. 2,643,334, June 23.

Arant, Perry, assignor to Clayton Manufacturing Company, El Monte, Calif. Pump. 2,657,640, Nov. 3.

Arashiro, Nicholas N., Milwaukee, Wis., and F. R. Hamaishi, Chicago, Ill. Change making machine. 2,634,846, Apr. 14.

Arata, Luigi, assignee: *See*—
Abrams, William A.

Arbeit, Pierre, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Furnace for making glass. 2,636,914, Apr. 28.

Arbeit, Pierre, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Tank for the manufacture of glass. 2,646,648, July 28.

Arbeit, Pierre, Paris, R. Dubois, Bagneaux-sur-Loing, and R. E. Lambert, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for making glass. 2,658,095, Nov. 3.

Arbogast, Allen M., Akron, Ohio. Artificial fish lure. 2,630,649, Mar. 10.

Arbogast, Alva G., Charleston, W. Va. Pressure differential control system for closed steam boiler return systems. 2,626,756, Jan. 27.

Arbogast, Ray D., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Battery with conductive cement intercell connections. 2,627,534, Feb. 3.

Arbogast, Ray D., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Dry cell. 2,635,128, Apr. 14.

Arbuckle, Frederick M.: *See*—
Lindley, Frederick A., and Arbuckle.

Arbuckle, Frederick M., Allenhurst, N. J., assignor to Radio-Television Institute, Inc., New York, N. Y. Punch with slug extracting means. 2,643,721, June 30.

Arbuckle, John Le B., Sunbury, assignor of one-half to H. E. Grashel, Gahanna, Ohio. Combination pivoting and sliding block firearm action. 2,627,687, Feb. 10.

Arceo, Louis, New York, N. Y. Music-box cabinet. 2,644,421, July 7.

Archambault, Jean M., Asnieres, France. Fluid pressure engaged and relensed clutch. 2,658,596, Nov. 10.

Archer-Daniels Midland Company, assignee: *See*—
Small, Elmer C.

Archer, Farley J., and T. E, Linden, Mo. Swinging spout structure. 2,654,390, Oct. 6.

Archer, Hugh M., Dearborn, Mich. Fluid container. 2,661,743, Dec. 8.

Archer, Irving M., assignor to Campbell Taggart Research Corporation, Dallas, Tex. Pan turning mechanism. 2,659,475, Nov. 17.

Archer, James M.: *See*—
Hoen, Kenneth H., and Archer.

Archer, James R.: *See*—
Dupont, Louis E., Archer, and Carter.

Archer, Madison T., assignee: *See*—
Lofton, Jasper W., and Archer.

Archer, Ruby E., administratrix: *See*—
Hoen, Kenneth H., and Archer.

Archer, Ruby E., administratrix de bonis non: *See*—
Hoen, Kenneth H., and Archer.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 1-(2-N-piperidinoethylamino)-4-methylthiaxanthones and their preparation. 2,627,518, Feb. 3.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 1-(hydroxyalkylaminoalkylamino)-4-methylxanthones and their preparation. 2,631,154, Mar. 10.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 1-(tertiary-aminoalkylamino) acridones and their preparation. 2,647,901, Aug. 4.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 1-(di-n-butylaminoalkylamino)-4-methylthiaxanthones and synthesis thereof. 2,653,949, Sept. 29.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 1-(hydroxyalkylaminoalkylamino)-4-methylthiaxanthones and preparation thereof. 2,653,950, Sept. 29.

Archer, Sydney, Albany, assignor to Sterling Drug Inc., New York, N. Y. 1-(2-diethylaminoethylamino)-4,7-dimethylthiaxanthone, acid addition salts thereof and preparation of these compounds. 2,653,951, Sept. 29.

Archer, Sydney, and A. W. Ruddy, Albany, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Tertiary amines and preparing them. 2,647,122, July 28.

Archer, Sydney, and R. K. Bair, Albany, assignors to Sterling Drug Inc., New York, N. Y. Organic antimony derivatives of polyhydroxy alkanoic or alkanedioic acids and their preparation. 2,647,910, Aug. 4.

Archer, Timothy E.: *See*—
Archer, Farley J., and T. E.

Archer, Virjean C.: *See*—
Frohmader, Stanley H., and Archer.

Archibald, Francis M., and W. A. Konrad, Elizabeth, and R. E. D. Haney, Westfield, N. J., assignors to Standard Oil Development Company. Adsorption of olefins by petroleum coke. 2,635,709, Apr. 21.

Archibald, Raymond C.: *See*—
Castner, Robert C., and Archibald.

Archibald, William F., Johannesburg, Transvaal, Union of South Africa, assignor to The Distillers Company Limited, Edinburgh, Scotland. Level indicator. 2,647,251, July 28.

Architectural Porcelain Constructors, assignee: *See*—
Allen, Francis E.

Arco Company, The, assignee: *See*—
Kanning, Eugene W., and Hart.

Arcury, Anthony A.: *See*—
Liero, Larry C., Arcury, and Trilli.

Arcus, Alex A.: *See*—
Luttringhaus, Hans, Mautner, and Arcus.

Ardell, Edgar: *See*—
Fischer, Paul E., and Ardell.
Holstebro, Kaye, and Ardell.
Holstebroe, Kaye, Ardell, and Wimmer.
Rideout, Arthur E., Ardell, and Mosley.

Ardell, Edgar, Middletown, Conn., assignor to Emhart Manufacturing Company. Shipping tray unloading apparatus. 2,635,773, Apr. 21.

Arden, David B., Moylan, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Transportation of granular solids. 2,663,595, Dec. 22.

Arden Farms Co., assignee: *See*—
Berch, Samuel H.

Arden Forms Co., assignee: *See*—
Luterick, Marcellus C.

Arden, James, assignee: *See*—
Cohen, Joseph.

Arden, Thomas R., New Fairfield, assignor to Bard-Parker Company, Inc., Danbury, Conn. Dermatome. 2,636,495, Apr. 28.

Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Detachable blade pocketknife. 2,647,311, Aug. 4.

Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pyrolysis of diacyl cyanides. 2,663,726, Dec. 22.

Ardsley Curtain Co., Inc., assignee: *See*—
Sherman, Harry.

Arel, Theophile T., Murietta, Calif. Trap-nest gate. 2,640,220, June 2.

Arelt, Charles: *See*—
Jurgensen, Delbert F., Abbott, and Arelt.

Arena, Joseph P., Astoria, N. Y. Metering liquid dispenser and recorder. 2,647,660, Aug. 4.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Vehicle light controlling lens panel. 2,640,149, May 26.

Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Vehicle light controlling lens panel. 2,663,794, Dec. 22.

Arenberg, David L., Charlestown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Solids characteristics tester. 2,645,933, July 21.

Arenberg, David L., Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Solid delay line. 2,624,804, Jan. 6.

Arenco Aktiebolag, assignee: *See*—
Bergman, Lars.
Danielsson, Paul.
Nilsson, Johan G.

Arend, Carl A., Jr., and W. A. Seedorff, Jr., Carlsbad, N. Mex., assignors to International Minerals & Chemical Corporation. Ball hammer for rotary driers. 2,645,861, July 21.

Arendt, Harry S., and G. F. Abendroth, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method and apparatus for gravel packing wells. 2,652,117, Sept. 15.

Arens, Josef F., and D. A. van Dorp, assignors to N. V. Organon, Oss, Netherlands. Preparation of unsaturated aldehydes. 2,628,979, Feb. 17.

Arensberg, Stewart L., Collingswood, N. J., assignor to Radio Corporation of America. Reversible drive mechanism. 2,624,214, Jan. 6.

Arenson, Herbert, and J. F. Witherspoon, assignors, by mesne assignments, to Childlore Company, Kansas City, Mo. Puppet golf ball projector. 2,638,348, May 12.

Arent, Arthur, Fort Dodge, assignor to Arthur Arent Laboratories Inc., Des Moines, Iowa. Forming a corrosion resistant paint and product resulting therefrom. 2,657,145, Oct. 27.

Arent, Arthur, Laboratories Inc., assignee: *See*—
Arent, Arthur.

Arentzen, Einar M., Mount Lebanon, assignor to Lee-Norse Company, Charleroi, Pa. Mine service vehicle. 2,664,217, Dec. 29.

Arevalo, José A.: *See*—
Cerna, Carlos G., and Arevalo.

Arey, Alton L., East Cleveland, and T. A. St. Clair, South Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Automatic changeover valve and signal. 2,630,821, Mar. 10.

Arey, William F., Jr.: *See*—
Kimberlin, Charles N., Jr., and Arey.

Arey, William F., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Segregation of hydrocarbons with urea at low temperatures. 2,627,513, Feb. 3.

Arey, William F., Jr., and R. E. Wood, Baton Rouge, La., assignors to Standard Oil Development Company. Stabilizers for rubber and synthetic polymers. 2,650,208, Aug. 25.

Argabrite, George A., North Hollywood, assignor, by mesne assignments, to Pacific Transducer Corporation, Los Angeles, Calif. Audio sweep frequency generator. 2,648,782, Aug. 11.

Argabrite, George A., North Hollywood, assignor, by mesne assignments, to Pacific Transducer Corporation, Los Angeles, Calif. Alpha radiation detector. 2,652,499, Sept. 15.

Argo Lamp Company, assignee: *See*—
Miller, Benjamin.

Argus Cameras, Inc., assignee: *See*—
Barnes, John W.
Harvey, James E.

Argus Chemical Laboratory, Inc., assignee: *See*—
Leistner, William E., and Hecker.
Leistner, William E., and Knoepke.

Argyle, Leroy C., Elmira, assignor to Corning Glass Works, Corning, N. Y. Size control of linear bodies. 2,659,182, Nov. 17.

Arid-Aire Manufacturing Company, assignee: *See*—
Tomlinson, Ben L.
Tomlinson, Ben L., and Carlson.

Aries, Robert S., and A. Pollak, New York, N. Y. Oxodizing sodium sulfide to sodium sulfite in successive stages. 2,640,758, June 2.

Aries, Robert S., and A. Pollak, New York, N. Y. Dissolving ash containing sodium sulfide and sodium carbonate. 2,642,399, June 16.

Arisman, Mervin B.: *See*—
Daily, Arthur M., and Arisman.

Arisman, Mervin B., A. J. Vaksvik, and R. W. Magnusen, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Driver for variable resistors. Re. 23,750, Dec. 15.

Aristocrat Leather Products, Inc., assignee: *See*—
Knee, Simon, and Markus.

Arkell Safety Bag Company, assignee: *See*—
Doyle, James F.
Drew, Willis P.

Arkell and Smiths, assignee: *See*—
Robinson, Paul C.
Vogel, Lawrence E.

Arkelyan, Adele M.: *See*—
Eskin, Samuel G., and Arkelyan.

Arkin, Chaim, Cape Town, Cape of Good Hope Province, Union of South Africa. Manufacture of cheese. 2,657,993, Nov. 3.

Ark-Les Switch Corporation, assignee: *See*—
Batcheller, Hugh W.

Arkoosh, Frederick G., Omaha, Nebr. Tank construction for liquid cargo vehicles. 2,630,236, Mar. 3.

Arlin, Max M., Detroit, Mich. Electrical gauging and sorting apparatus utilizing standing waves. 2,635,748, Apr. 21.

Arma Corporation, assignee: *See*—
Agins, George.
Agins, George, and Bock.
Cunningham, Frederick W.
Davis, Arthur P., and Macomber.

Armacost, Wilbur H.: *See*—
Patterson, Ward S., and Armacost.

Armacost, Wilbur H., Scarsdale, N. Y., assignor to Combustion Engineering-Superheater, Inc. Superheat control. 2,640,468, June 2.

Armacost, Wilbur H., Scarsdale, N. Y., assignor to Combustion Engineering, Inc. Superheat and reheat control. 2,663,287, Dec. 22.

Armantrout, Kenneth M.: *See*—
Orr, Palmer, and Armantrout.

Armatys, Edward F., New York, assignor to Sun Chemical Corporation, Long Island City, N. Y. Textile printing emulsions comprising thermoplastic resin latices dispersed in solutions of thermosetting resins in organic solvents. 2,663,696, Dec. 22.

Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Carrying case. 2,662,637, Dec. 15.

Armbruster, Ludwig, Irvington, N. J., assignor to Forstner Chain Corporation. Watch bracelet end connector. 2,654,934, Oct. 13.

Armco Steel Corporation, assignee: *See*—
Bauer, George F.
Burns, Robert S., and Solter.
Clarke, William C., Jr.
Corbitt, Willard M., and Wenning.
Fay, James E.
Freholm, John L.
Heilman, Raymond B., Nolan, and Binder.
Jennings, Paul A.
Kenyon, John W.
Linnert, George E.
Martin, Carl W., Beck, and Pick.
Reed, Eo.

Armco Steel Corporation, assignee: *See*—Continued.
Stevens, George J.
Tanczyn, Harry.
Weitzenkorn, Lee F.
Wiley, Allen D.

Armelin, Maurice F., assignor to Société à Responsibilité Limitée so called: Societe d'Etudes de Machines Speciales, Paris, France. Mechanism for converting a uniform motion into a variable motion. 2,655,817, Oct. 20.

Armentrout, Arthur L., Long Beach, Calif. Recovering lost circulation occurring in productive strata in wells. 2,626,779, Jan. 27.

Armentrout, Arthur L., Long Beach, Calif. Apparatus for handling fluid in a well. 2,631,670, Mar. 17.

Armentrout, Arthur L., Long Beach, Calif. Means and method of recovering lost circulation in drilling wells. 2,634,098, Apr. 7.

Armentrout, Arthur L., Long Beach, Calif. Recovering lost circulation in drilling wells. 2,642,268, June 16.

Armentrout, Arthur L., Long Beach, Calif. Recovering lost circulation in wells. 2,648,522, Aug. 11.

Armer, Austin A., Davis, assignor to Spreckels Sugar Company, San Francisco, Calif. Sampling machine. 2,650,498, Sept. 1.

Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Tractor weight transfer device. 2,633,366, Mar. 31.

Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Cleveland, Ohio. Conveyer belt protective device. 2,626,469, Jan. 27.

Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Automatic control for steering brakes. 2,630,869, Mar. 10.

Armington, Raymond Q., Shaker Heights, and W. F. Double, Wickliffe, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Floating gear pump. 2,626,570, Jan. 27.

Armington, Raymond Q., Shaker Heights, and W. F. Klun, assignors to The Euclid Road Machinery Co., Euclid, Ohio. Digging teeth for loading machine digging blades. 2,657,480, Nov. 3.

Armitage & Bertram Limited, assignee: *See*—
Lodge, Walter B., and Corden.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Pattern controlled milling machine. 2,644,370, July 7.

Armitage, Joseph B., and T. F. Eserkaln, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Transmission and control mechanism. 2,630,717, Mar. 10.

Armitage, Joseph B., and T. F. Eserkaln, Wauwatosa, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,653,519, Sept. 29.

Armitage, Joseph B., Wauwatosa, and J. N. Flannery, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,657,616, Nov. 3.

Armour, Charles H., assignee: *See*—
Armour, Sarah T.
Bradshaw, Sidney B.
Fencil, Louise K.

Armour and Company, assignee: *See*—
Black, James, and Hedstrom.
Borkenhagen, Louise K.
Cook, John S., and Whitney.
Du Brow, Paul L., and Harwood.
Glynn, Emmett P., and Hofferth.
Hammerberg, Chester A.
Harrington, Bertie S.
Hawkins, James R.
Holmes, Alan D.
Kennedy, Eugene P., and Grossnickle.
Lloyd, William E.
Marcoux, Melvin W.
Potts, Ralph H., and Olson.
Sifferd, Robert H.
Sifferd, Robert H., and Svarz.
Spence, Andrew, Lev, and Reddle,
Stoecker, George C., and Keil.
Van Ness, La Verne.

Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.

Armour, Sarah T., assignor of fifty per cent to C. H. Armour, Bono, Ark. Knockdown cabinet. 2,642,330, June 16.

Arms, Clyde A., Brooklyn, N. Y. Semiautomatic disposable blade razor. 2,630,626, Mar. 10.

Arms, Merton H., and L. J. Barnard, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Diamond boring machine. 2,626,534, Jan. 27.

Arms, Merton H., and P. A. Grobey, assignor to Bryant Chucking Grinder Company, Springfield, Vt. Carriage mounting. 2,631,067, Mar. 10.

Arms, Merton H., and P. A. Grobey, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Machine for grinding internal surfaces concentric with external surface. 2,635,395, Apr. 21.

Arms, Milo F.: *See*—
Smith, Chauncey W., and Arms.

Armstrong, Adam E., assignor to Armstrong Machine Works, Three Rivers, Mich. Heating system and control therefor. 2,659,536, Nov. 17.

Armstrong, Alice E., assignor, by mesne assignments, to Rhea Manufacturing Company, Milwaukee, Wis. Covering for toilet flush tanks. 2,652,874, Sept. 22.

Armstrong, Andrew: *See*—
Romine, Paul W., and Armstrong.

Armstrong-Blum Manufacturing Company, assignee: *See*—
Heuneman, Fred.

Armstrong-Bray & Co., assignee: *See*—
Ogard, Helmer.

Armstrong-Carson Manufacturing Company, assignee: *See*—
Armstrong, Hugh.

Armstrong, Charles H., Dallas, Tex. Combination child's chair. 2,633,899, Apr. 7.

Armstrong, Clarence J., assignor to Sangamo Electric Company, Springfield, Ill. Synchronous motor carryover clock. 2,637,968, May 12.

Armstrong, Clifford H., assignor to Copes Regulators Limited, London, England. Valve. 2,642,254, June 16.

Armstrong Coalbreak Company, assignee: *See*—
Filstrup, Edward C., Jr.

Armstrong Company, The, assignee: *See*—
Davis, Frank R.

Armstrong Cork Company, assignee: *See*—
Barsy, Imre J.
Bezman, Irving I.
Bezman, Irving I., and Browning.
Bishop, Le Roy D.
Bradway, Edward J.
Breuer, Frederick W., and Zentmyer.
Charles, Jacob E.
Eaby, Le Roy.
Eager, Herbert H.
Eckert, Lewis W.
Ehle, George E.
Gard, George E.
Garrett, Richard A.
Gaston, Jack E.
Hazeltine, James E., Jr.
Hornberger, Clarence L.
Hornberger, Clarence L., and Schulz.
Humphreys, Harry S.
Lockwood, Louis H.
Lyall, John D.
Metcalf, William A.
Miller, George R., Jr., and Weidner.
Moore, Donald W., and Searl.
Patterson, William, Jr.
Phillips, Washington H., and Gard.
Pukt, Joseph J.
Schairer, Edward G.
Scott, Wylmer L.
Scott, Wylmer L., Park, and Baldwin.
Sharf, John M.
Stauffer, Christian M., and Ehle.
Turkington, Robert D.

Armstrong, Daniel A., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Speed indicating device for outboard motors. 2,649,848, Aug. 25.

Armstrong, Daniel A., B. Carlson, and C. A. Walz, assignors to Scott-Atwater Manufacturing Co. Inc., Minneapolis, Minn. Outboard motor with reversing mechanism and control. 2,663,277, Dec. 22.

Armstrong, David T., Weehawken, assignor of one-half to J. W. Wolfe, Palisades Park, N. J. Transmission line tuning device for electronic systems. 2,649,577, Aug. 18.

Armstrong, Edwin H., New York, N. Y. Frequency modulation multiplex system. 2,630,497, Mar. 3.

Armstrong, Emerson A.: *See*—
Ramsell, William H., and Armstrong.

Armstrong, George C., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostatic snap disk relay. 2,653,051, Sept. 22.

Armstrong, George M., and H. A. Cook, Plymouth, Mass., assignors to The Philip Carey Manufacturing Company, Cincinnati, Ohio. Purification of magnesia. 2,631,923, Mar. 17.

Armstrong, George M., and H. A. Cook, Plymouth Meeting, Pa., assignors to The Philip Carey Manufacturing Company, Cincinnati, Ohio. Selective carbonation of slurries and mixtures of calcium and magnesium hydroxide. 2,626,853, Jan. 27.

Armstrong, Godfrey P., Epsom Downs, R. H. Hall, Carshalton, D. C. Quin, Epsom, and K. H. W. Turck, Banstead, England, assignors, by mesne assignments, to Hercules Powder Company. Manufacture of peroxidic compounds. 2,632,772, Mar. 24.

Armstrong, Godfrey P., Kingswood, R. H. Hall, Sutton, D. C. Quin, Teddington, and K. H. W. Turck, Banstead, England, assignors, by mesne assignments, to Hercules Powder Company. Manufacture of peroxidic compounds. 2,632,773, Mar. 24.

Armstrong, Gordon, assignor to The Gordon Armstrong Company, Inc., Cleveland, Ohio. Portable baby incubator. 2,641,248, June 9.

Armstrong, Gordon, and G. Kulcher, assignors to The Gordon Armstrong Company, Inc., Cleveland, Ohio. Air treated and controlled mobile therapeutic cubicle. 2,662,521, Dec. 15.

Armstrong, Gordon, Company, Inc., The, assignee: *See*—
Armstrong, Gordon.
Armstrong, Gordon, and Kulcher.

Armstrong, Harold, El Paso, Tex. Optical sighting device. 2,655,076, Oct. 13.

Armstrong, Hugh, assignor to Armstrong-Carson Manufacturing Company, Maryville, Mo. Grass seed harvester. 2,658,321, Nov. 10.

Armstrong, James A., Randwick, New South Wales, Australia. Collar stiffener. 2,643,387, June 30.

Armstrong, James F., Detroit, Mich., and J. T. W. Moseley, Clayton, assignors to Carter Carburetor Corporation, St. Louis, Mo. Fuel control safety valve. 2,636,516, Apr. 28.

Armstrong, James F., Detroit, Mich., and J. T. W. Moseley, Clayton, assignors to Carter Carburetor Corporation, St. Louis, Mo. Butane carburetion. 2,636,814, Apr. 28.

Armstrong, John, Yonkers, N. Y. Fork straightening pliers. 2,660,078, Nov. 24.

Armstrong, John E., El Cerrito, Calif., assignor to Jacuzzi Bros., Incorporated. Jet pump pipe assembly. 2,649,742, Aug. 25.

Armstrong, John H., Washington, D. C. Square wave shock tester. 2,630,704, Mar. 10.

Armstrong, Joseph M.: *See*—
Stornetta, Leroy F. and J. R., and Armstrong.

Armstrong Machine Works, assignee: *See*—
Armstrong, Adam E.

Armstrong, Marshall C., Hebron, Ohio, assignor to Owens-Corning Fiberglas Corporation. Fissured tile composed of glass fibers, gypsum cement, and amine-aldehyde resin, and making same. 2,664,406, Dec. 29.

Armstrong, Robert S., Merced, and D. and F. S. Mogliotti, Atwater, Calif. Feeder. 2,629,361, Feb. 24.

Armstrong Rubber Company, The, assignee: *See*—
Walsh, James A.

Armstrong Siddeley Motors Limited, assignee: *See*—
Allen, Sidney, and Stokes.
Clark, Thomas.
Fellows, Leslie R.
Gault, Joseph H.
Rainbow, Horace S.
Rainbow, Horace S., and Paul.
Saxton, Edward S.
Slatter, Brian H., and Daish.
Thomas, Albert, and Fellows.

Armstrong, W. G., Sr., Whitworth & Company (Engineers), Limited, assignee: *See*—
Mansfield, Wilfred P., and White.

Armstrong, Westrop, Glen Ellyn, Ill. Antiinertia mechanism for sliding doors. 2,653,022, Sept. 22.

Armstrong, William, assignor to Armstrong's Patents Company Limited, Eastgate, Beverley, England. Hydraulic shock absorber for vehicles. 2,662,615, Dec. 15.

Armstrong, William N. B., and H. S. Kredentser, assignors to Ontario Research Foundation, Toronto, Ontario, Canada. Nonsmudging duplicating ink. 2,647,060, July 28.

Armstrong, Zenas A.: *See*—
Woodside, Charles E., Smith, Woodside, and Armstrong.

Armstrong's Patents Company Limited, assignee: *See*—
Armstrong, William.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Anderson, George L.
Badik, Cornelius E., and Reilly.
Baldwin, John H.
Bartlett, Paul D., Dauben, and Schneider.
Bleier, Stanley.
Bordt, Frederick J., and Shine.
Brady, James M.
Brady, James M., and Spilhaus.
Brenner, Abner, Couch, and Williams.
Bruce, John N.
Chubb, Melvin F.
Corwin, Jerome, and Adler.
Davis, Howard, Kass, Kelliher, and Pick.
De Rosa, John A., and Snell.
Dietrich, Albert.
Drake, Nathan L., and Melamed.
Drake, Nathan L., Shenk, and Eaker.
Ehlers, Russell W.
Ellis, Grenville B.
Eloranta, Valto K.
Fischbach, Adolph.
Fischbach, Adolph, and Hochberg.
Fischbach, Adolph, and Mandel.
Frazier, Quentin.
Frederick, Edward R., and Malmberg.
Garoff, Kenton, and Edwards.
Gaston, Donald H.
Gorham, John E.
Goubau, Georg J. E.
Greenwald, Lewis.
Griswold, Earl N.
Hager, Karl F., Lindenmayr, and Rosenthal.
Hanson, Erick L., and Barna.
Harmon, Elise F., and Franklin.
Hatkin, Leonard, and Ruze.
Hayward, Roger.
Hobbs, Edward C.
Hohwieler, William U.

Army, United States of America as represented by the Secretary of the, assignee: *See*—Continued.
Honey, John F.
Hunrath, George.
Hutson, Leroy S.
Hutton, Ulric O.
Kober, William.
Kraemer, Fritz.
Kumpfer, Beverly D.
MacGlashan, William F., Jr.
Maresca, Peter T., and Stokes.
Merriam, Mylon.
Messerly, George H., and Campbell.
Meyer, Richard E., and Beardsley.
Miller, August E.
Miller, Cornell M., and Woodbury.
Miller, James F., and Jaskowski.
Milton, Clare L., Jr., and Nielson.
Nass, Walter R.
Nelson, Eric.
Nelson, Jessie A.
Newman, Melvin S., and Wheatley.
Page, Chester H.
Pigford, Robert L.
Podnos, Selin S., Odierno, and Thompson.
Rabinow, Jacob.
Reed, Buckley R.
Richter, Joseph.
Snell, Chester A., Fain, and De Rosa.
Siglin, Pierce W.
Simpson, Frank R.
Sinclair, Bert H.
Snyder, James.
Spencer, Burdell D.
Stevens, Charles H., and Maier.
Thompson, Parke H.
Todd, William.
Tonks, Lewi, and Hull.
Tschinkel, Johann G.
Warshaw, Howard D.
Wheeler, Harry L., Jr.
Whittington, Paul E.
Wilson, Burton J.
Zaroff, William J., and Boor.

Army, United States of America as represented by the Secretary of the, trustee, assignee: *See*—
Berzof, Harold, and Rogers.

Arndt, John P., Oak Park, J. Hruby, Deerfield, and J. J. Schulze, Prospect Heights, Ill., assignors to Charles Bruning Company, Inc., New York, N. Y. Resilient bearing mounting. 2,653,063, Sept. 22.

Arndt, Rudolph P., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Water dispersible alkyd type resins. 2,634,245, Apr. 7.

Arner, Thomas T., Phoenix, Ariz. Camber clamp. 2,630,729, Mar. 10.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Article carrier. 2,634,043, Apr. 7.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,645,403, July 14.

Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Article carrier. 2,661,140, Dec. 1.

Arneson, Floyd D., Klamath, Calif. Saw bar adjustment device. 2,624,379, Jan. 6.

Arnio, George E., Oneonta, N. Y. Foot and hand brake for farm tractors. 2,626,022, Jan. 20.

Arnio, George E., Oneonta, N. Y. Tractor hand brake. 2,652,905, Sept. 22.

Arnold, Albert W., Beverly Hills, assignor to Jabsco Pump Company, Burbank, Calif. Air conditioning unit. 2,631,021, Mar. 10.

Arnold, Ben E., Port Orchard, Wash. Lever actuated slidable jaw wrench. 2,638,808, May 19.

Arnold, Charles E., Milton, Mass., assignor to Sylvania Electric Products Inc. Wave guide directional coupler. 2,643,298, June 23.

Arnold, Clair C., assignee: *See*—
Houdesheldt, Luther.

Arnold, Claude D., Iraan, Tex. Knife sharpener. 2,652,667, Sept. 22.

Arnold Dryer Co., assignee: *See*—
French, Henry C.

Arnold, Erich, E. Heilmann, and W. Vollmer, Frankfurt am (Main), assignors to Metallgesellschaft Aktiengesellschaft, Frankfurt am Main, Germany. Apparatus for the gravity conveyance of adsorption media. 2,656,007, Oct. 20.

Arnold, Fredric, Roslyn Heights, N. Y. Table having adjustable top sections. 2,649,206, Aug. 18.

Arnold, George, Shaker Heights, H. A. Schultz, Garfield Heights, and E. E. Rhoads, Solon, assignors to Cleveland Frog & Crossing Co., Cleveland, Ohio. Rail brace. 2,636,687, Apr. 28.

Arnold, George B.: *See*—
Hess, Howard V., and Arnold.
Hess, Howard V., Arnold, and Drabkin.
Hess, Howard V., Arnold, and Kovach.
Hess, Howard V., Arnold, Skelton, and Overbaugh.
Pevere, Ernest F., Arnold, and Hess.
Pevere, Ernest F., Hess, and Arnold.
Skelton, William E., Hess, Arnold, and Mahan.

Arnold, George B., Glenham, and H. V. Hess, Beacon, assignors to The Texas Company, New York, N. Y. Separating acenaphthene. 2,652,438, Sept. 15.

Arnold, George B., Glenham, H. V. Hess and W. E. Skelton, Beacon, assignors to The Texas Company, New York, N. Y. Fractional separation of wax from a hydrocarbon mixture using an organic complexing agent and a solvent. 2,637,681, May 5.

Arnold, George B., Glenham, H. V. Hess and W. E. Skelton, Beacon, and W. V. Overbaugh, Fishkill, assignors to The Texas Company, New York, N. Y. Fractional separation of oil with a complexing agent such as urea in the presence of a solvent liquid. 2,653,122, Sept. 22.

Arnold, George B., Glenham, and L. Kofach, Beacon, assignors to The Texas Company, New York, N. Y. Centrifugal separation of urea complexes from organic mixtures. 2,658,060, Nov. 3.

Arnold, George B., Glenham, J. K. Truitt, and H. V. Hess, Beacon, assignors to The Texas Company, New York, N. Y. Forming urea complexes. 2,658,887, Nov. 10.

Arnold, George H., executor: *See*—
Schroeder, Henry L.

Arnold, Gerald D., Wauwatosa, Wis. Apparatus and method for spray drying and cooling. 2,634,808, Apr. 14.

Arnold, Gloyd S., Manhattan Beach, Calif. Flush valve. 2,630,831, Mar. 10.

Arnold, Harry M., Denver, Colo. Outside valve drive for piston valve and sleeve valve steam engines. 2,641,230, June 9.

Arnold, Harry M., Golden, Colo. Delayed opening poppet valve for steam engines. 2,641,438, June 9.

Arnold, Herrick R., Wilmington, and J. E. Carnahan, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal tungstite catalyzed hydrogenation process. 2,642,463, June 16.

Arnold, Hoffman & Co., Incorporated, assignee: *See*—
Ney, William O., Jr., Nummy, and Barnes.

Arnold, John H., Summit, N. J., and F. B. Grosselfinger, assignors to Hydrocarbon Research, Inc., New York, N. Y. Synthesis of liquid hydrocarbons. 2,628,970, Feb. 17.

Arnold, John W., assignor to The Elwood Research Company, a division of Chiselhurst, Inc., Newark, N. J. Expanding spring anchor nut. 2,649,830, Aug. 25.

Arnold, Joy P., Des Moines, Iowa. Weight support and lifting device. 2,638,657, May 19.

Arnold, Lawrence F., Avon Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing diacyl cyanides. 2,659,749, Nov. 17.

Arnold, Michael H. M., assignor to Postans Limited, Birmingham, England. Obtaining the dispersion of a finely divided solid material in a liquid. 2,637,534, May 5.

Arnold, Michael H. M., assignor to Postans Limited, Birmingham, England. Manufacturing paints and colored plastics. 2,637,535, May 5.

Arnold, Orlan M., Grosse Pointe Park, Mich. Plastic and textile materials and methods. 2,636,014, Apr. 21.

Arnold, Paul F., Long Beach, Calif. Shoe polishing machine. 2,653,694, Sept. 29.

Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Primary and secondary alkyl sulfenyl trithiocarbonates. 2,634,291, Apr. 7.

Arnold, Philip S., Flint, Mich. Rope puller. 2,628,813, Feb. 17.

Arnold, Richard T., Minneapolis, Minn., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Aminovalerolactones and their production. 2,650,231, Aug. 25.

Arnold, Robert C., Chicago Heights, Ill., and J. F. Deters, Valparaiso, Ind., assignors to Standard Oil Company, Chicago, Ill. Desulfurization of olefinic naphtha. 2,634,230, Apr. 7.

Arnold, Robert C., Park Forest, Ill., and A. P. Lien, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Desulfurization of distillate fuels. 2,646,390, July 21.

Arnold, Robert C., Park Forest, Ill., A. P. Lien, Highland, and J. F. Deters, Valparaiso, Ind., assignors to Stand-

Arones, Daniel A., assignor to Advance Machine Company, Minneapolis, Minn. Handle switch for floor polishing machines and the like. 2,630,509, Mar. 3.

Arons, Arnold B., and C. Frondel, Woods Hole, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Piezoelectric pressure gauge element. 2,636,134, Apr. 21.

Aronson, Alexander H., South Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Gas fueled cigar lighter. 2,637,990, May 12.

Aronson, Theodore F.: *See*—
Halahan, John, Aronson, and Lyon.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Comparator for collocating a cutter in a boring bar. 2,625,749, Jan. 20.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring articles. 2,625,843, Jan. 20.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring bearings. 2,632,341, Mar. 24.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring bearing shells. 2,635,489, Apr. 21.

Arpin, Edmund P., Jr., Neenah, Wis. Rotary refiner. 2,649,718, Aug. 25.

Arpin, Edmund P., Jr., Neenah, Wis., and R. P. Frye, Chicago, Ill.; said Frye assignor to said Arpin. Rotary refiner. 2,631,504, Mar. 17.

Arpin, Edmund P., Jr., Neenah, Wis., and R. P. Frye, Chicago, Ill., said Frye assignor to said Arpin, Jr. Rotary refiner liner construction. 2,631,505, Mar. 17.

Arpin, Edmund P., Jr., Neenah, Wis., and R. P. Frye, Chicago, Ill., said Frye assignor to said Arpin. Rotary refiner. 2,649,717, Aug. 25.

Arpin, John W., Verona, assignor to Tops Plastics, Inc., Orange, N. J. Inhaler and constructing it. 2,630,802, Mar. 10.

Arps, Bruno F., New Holstein, Wis. Dirt and snow moving attachment for tractors. 2,629,944, Mar. 3.

Arps, Jan J., Tulsa, Okla. Continuous directional drilling. 2,658,284, Nov. 10.

Arps, Jan J., Tulsa, Okla. Warning system for controlled rotary drilling. 2,658,724, Nov. 10.

Arps, Jan J., Tulsa, Okla. Signal transmission system for use in logging drill hole formations. 2,658,725, Nov. 10.

Arps, Jan J., Tulsa, Okla. Geophysical exploration using radioactive material. 2,659,046, Nov. 10.

Arranga, Edmund V., and A. J. Malley, Syracuse, N. Y. Carton. 2,661,891, Dec. 8.

Arrow Fastener Co., Inc., assignee: *See*—
Abrams, Morris.
Boroughs, Frank S.

Arrow-Hart & Hegeman Electric Company, The, assignee: *See*—
Bentley, Robert H.
Dietrich, Walter L.
Johnson, David W.
Schleicher, Harold E.

Arrow Safety Device Company, assignee: *See*—
Hopkins, Alfred, Jr.

Arrowsmith, Clarence J.: *See*—
Allen, Harold D., and Arrowsmith.

Arrow, William, Chicago, Ill. Edentulous and partially edentulous demonstrational and educational model. 2,657,462, Nov. 3.

Arrowwood, Hubert L., Tulsa, Okla., assignor to Hinderliter Tool Company Division H. K. Porter Company, Inc. Sealing device for well heads. 2,652,895, Sept. 22.

Arsem, Alvan D., Oaklyn, N. J., J. R. Ford, Narberth, Pa., and N. I. Korman, Merchantville, N. J., assignors to Radio Corporation of America. Improvement in balanced phase splitting network. 2,630,558, Mar. 3.

Arsenault, George R., Webster, Mass. Tie rack. 2,658,626, Nov. 10.

Arthur, Milan G., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Measurement of injection profiles. 2,648,014, Aug. 4.

Arthur, Paul, Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of diprimary diamines. 2,647,146, July 28.

Arthur, Oscar F., Connellsville, assignor to Tri-State Engineering Company, Washington, Pa. Portable platform. 2,652,219, Sept. 15.

Arthur, Richard P.: *See*—
Earle, Edwin L., and Arthur.

Arthur, Richard P., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Multipoint plug and jack. 2,640,183, May 26.

Arthur, Richard P., Chicago, Ill., assignor to Kellogg Switchboard and Supply Company. Crossbar system switchboard unit mounting. 2,656,418, Oct. 20.

Arthur, Robert A., assignor to The Garrett Corporation, Los Angeles, Calif. Auxiliary pressure relief, vacuum relief, and dump valve. 2,641,986, June 16.

Arthurs, Stanley, Solon, assignor to The Standard Oil Company, Cleveland, Ohio. Process and apparatus for decolorizing oil. 2,641,574, June 9.

Artis, Edward J., Boise, Idaho. Flue section for providing balanced draft. 2,660,162, Nov. 24.

Artisan Metal Products, Inc., assignee: *See*—
Childs, Kenneth L.

Artisan Novelty Company, assignee: *See*—
Black, Howard M.

Artkraft Manufacturing Corporation, assignee: *See*—
Lanker, Donald J.
Money, Roland H.

Artman, Robert G.: *See*—
Grace, Francis, and Artman.

Artz, Neal E., Elmwood Park, Ill., assignor to Corn Products Refining company, New York, N. Y. Conditioning water. 2,626,238, Jan. 20.

Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Phase shifting or delay network. 2,641,645, June 9.

Arundale, Erving: *See*—
Ricards, Harold A., Jr., Vanderbilt, and Arundale.

Arundale, Erving and Fred W. Banes, Westfield, N. J., assignors to Standard Oil Development Company. Alkyl maleate-vinyl acetate copolymers. 2,628,198, Feb. 10.

Arundale, Erving, and F. W. Banes, Westfield, N. J., assignors to Standard Oil Development Company. Alkyl maleate-vinyl ester copolymer. 2,628,220, Feb. 10.

Aruth, Violet J., Saddle River Township, N. J. Dispenser. 2,644,072, June 30.

Arutunoff, Armais, Bartlesville, Okla. Apparatus for drilling deep wells. 2,643,095, June 23.

Arutunoff, Armais, Bartlesville, Okla. Drilling apparatus. 2,654,572, Oct. 6.

Arutunoff, Armais, Bartlesville, Okla. Apparatus for drilling deep wells. 2,662,735, Dec. 15.

Arutunoff, Armais, Bartlesville, Okla. Sealing device for tubular shafting. 2,664,271, Dec. 29.

Arutunoff, Armais, Bartlesville, Okla. Swivel electrical connection for deep well drills. 2,664,454, Dec. 15.

Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Oscillatory, direct-fired, stack-loaded melting furnace. 2,662,764, Dec. 15.

Arvey Corporation, assignee: *See*—
Kleiman, Morton.
Kleiman, Morton, and Goldman.

Arvidson, Bengt A.: *See*—
Corley, Mark H., Arvidson, and Barber.

Arvidson, Donald N.: *See*—
Durkin, William J., and Arvidson.

Arvidson, George O., Rockford, Ill. Saw feed mechanism with resilient cup feed rolls. 2,631,618, Mar. 17.

Arvidson, George O., Rockford, Ill. Work feed device for woodworking tools. 2,664,123, Dec. 29.

Arvidson, Gustaf A., Davenport, Iowa. Hydraulic power

Arvintz, Robert A.: *See*—
Arvintz, Abraham A., Arvins, and Arvintz

Arzberger, Fred C.: *See*—
Keko, Wilbur L., Bennett, and Arzberger.

Asaff, Annis G., Watertown, Mass., assignor to Marine Products Inc., Harrisburg, Pa. Elec nector having a mercury amalgam coating o surface. 2,655,641, Oct. 13.

Asaro, Carmelo, Rome, Italy. Excess flow cu 2,635,629, Apr. 21.

Asbury, Charles T., Fort Lauderdale, Fla., a Asbury Corporation, Wilmington, Del. La 2,663,137, Dec. 22.

Asbury Corporation, assignee: *See*—
Asbury, Charles T.

Aschaffenburger Zellstoffwerke, Aktiengesells signee: *See*—
Rambacher, Paul, and Miksch.

Aschenbach, Theodora T., Washington, D. C. toothbrush. 2,642,606, June 23.

Ascher, Diane, assignee: *See*—
Cerracchio, Enrico.

Aschner, Thomas C., assignor to Smith, Kline Laboratories, Philadelphia, Pa. Preparation hydroisoquinolone derivatives. 2,647,902, A

Aschwanden, Paul, assignor to Verwaltungsg der Werkzeugmaschinenfabrik Oerlikon, Zurich land. Gauge for adjusting blanks in gear c chines. 2,656,612, Oct. 27.

Aschwanden, Paul, Zurich, assignor to Verwalt schaft der Werkzeugmaschinenfabrik Oerlik Oerlikon, Switzerland. Bevel gear cutting 2,634,657, Apr. 14.

Ash, Arthur B., and D. R. Jackson, assignors dotte Chemicals Corporation, Wyandotte, M ducing lower alkyl-, carboxy methyl-, diethe oxyalkylene glycols. 2,653,972, Sept. 29.

Ash, Arthur B., Wyandotte, and M. H. Earlin Park, assignors to Wyandotte Chemicals Co Wyandotte, Mich. Treatment of carboxymeth of ethylene glycols to remove HNO_3. 2,659,75

Ash, John J., Santa Monica, Calif. Film ship 2,626,705, Jan. 27.

Ashaway Line & Twine Mfg. Co., assignee: *Se* Crandall, Julian T.

Ashby Manufacturing Company, assignee: *See*— Hanslick, William O.

Ashcraft, Clarence S., Manhasset, N. Y. Arc ing device. 2,651,736, Sept. 8.

Ashcraft, Jack W., assignee: *See*—
Nelson, John W. and J. B.

Ashcraft, William N., Ardmore, Okla. Rearvie protector. 2,653,050, Sept. 22.

Ashcroft, Donald G.: *See*—
Sillitto, George P., and Ashcroft.
Stewart, Ian F., and Ashcroft.

Ashe, Thomas S., Timperley, Altrincham, a Sunvic Controls Limited, London, England. energy regulator. 2,646,479, July 21.

Ashford, Leonard F., Philadelphia, Pa. Pallet. June 2.

Ashford, Leonard F., Philadelphia, Pa. Article apparatus. 2,661,100, Dec. 1.

Ashkenas, Irving L., Los Angeles, assignor to Aircraft, Inc., Hawthorne, Calif. Aircraft co force linkage. 2,661,169, Dec. 1.

Ashley, Carlyle M., Fayetteville, assignor to C poration, Syracuse, N. Y. Capacity control f cating compressors. 2,626,099, Jan. 20.

Ashley, Grant R., Hixson, Tenn. Key holder. Apr. 21.

Ashley, Hubert, E., Dallas, Tex. One-way 2,652,762, Sept. 22.

Ashley, John W., and J. F. Leahy, Beverly, Mass, to United Shoe Machinery Corporation, Flemin Heel drilling machine. 2,642,103, June 16.

Ashton, Benjamin N., and E. V. Barkow, assignors to Electrol Incorporated, Kingston, N. Y. Selector pump. 2,648,290, Aug. 11.

Ashton, Benjamin N., J. P. Frain and E. S. Rawding, assignors to Electrol Incorporated, Kingston, N. Y. Shuttle valve. 2,651,491, Sept. 8.

Ashton, Dennis, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 2,628,137, Feb. 10.

Ashton, George M., assignor to Ashton Power-Wrecker Equipment Co., Inc., Detroit, Mich. Vehicle wrecker hoist mechanism. 2,625,275, Jan. 13.

Ashton Power-Wrecker Equipment Co., Inc., assignee: *See*—
Ashton, George M.

Ashton, Richard A., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Apparatus for driving rotatable workpieces. 2,624,224, Jan. 6.

Ashton, Thomas R.: *See*—
Cuttell, John R., and Ashton.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,631,555, Mar. 17.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stitchdown lasting machine. 2,633,584, Apr. 7.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sole sewing machine. 2,640,449, June 2.

Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,644,412, July 7.

Ashworth, Fred, Wenham, and E. E. Chase, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Combination form and clamp for shaping shoe uppers. 2,626,410, Jan. 27.

Ashworth, Joseph, and A. Firth, assignors to John T. Hardaker, Limited, Bradford, England. Jacquard. 2,660,202, Nov. 24.

Ashworth, Thomas, and Company Limited, assignee: *See*—
Stanworth, Stephen.

Ashworth, Walder B., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Spiral drive. 2,637,366, May 5.

Askania Regulator Company, assignee: *See*—
Glass, Paul.
Jacques, Stanley A.
Ziebolz, Herbert.

Askania-Werke A. G., assignee: *See*—
Haalck, Fritz.

Askania-Werke Aktiengesellschaft, assignee: *See*—
Falk, Olaf.

Aske, Leonard E., and J. A. Thayer, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive control. 2,640,902, June 2.

Asketh, Jordan S., Jackson Heights, N. Y. Apparatus for abstracting fluids from and delivering fluids to aquifers. 2,635,696, Apr. 21.

Askevold, Robert J., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Separation of alcohols from mercaptans. 2,647,150, July 28.

Askue, Albert R., Euclid, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Endless bucket chain structure for trenching machines. 2,648,145, Aug. 11.

Askue, Albert R., Euclid, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Crumbing mechanism for excavating machines. 2,654,966, Oct. 13.

Aspegren, John A., assignor to Aktiebolaget Separator, Stockholm, Sweden. Apparatus for centrifugal separation with the use of an auxiliary liquid. 2,636,670, Apr. 28.

Aspelin, Frans E., Nabnasset, assignor to H. E. Fletcher Company, West Chelmsford, Mass. Jig for drilling key lewis slots. 2,661,929, Dec. 8.

Aspelin, Leslie L.: *See*—
Curtis, William H., Aspelin, and Carter.
Thoren, Theodore R., Aspelin, and Murray.

Aspenleiter, Joseph W., Caledonia, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ventilation means for goggles. 2,636,171, Apr. 28.

Aspenwall, Carl S.: *See*—
Chapman, Charles H., and Aspenwall.

Aspey, Wayne S.: *See*—
Baker, Benjamin P., Frisch, Aspey, and MacNeill.

Aspinall, Glenn, Burlington, Wis. Egg cleaner. 2,639,561, May 26.

Asplund, Ragnar, Astoria, N. Y. Bottle suspension device for freezing molds. 2,629,515, Feb. 24.

Assembled Units, Inc., assignee: *See*—
Bochan, Peter J.

Associated Electrical Industries Limited, assignee: *See*—
Dyson, James.

Associated Lighting Service, assignee: *See*—
Williamson, Howard H.

Associated Motorists Petrol Company Limited, assignee: *See*—
Todd, Bryan James, Turner and Broberg.

Associated Pulp and Paper Mills Limited, assignee: *See*—
Sloman, Arthur R.

Astatic Corporation, The, assignee: *See*—
Palo, Maurice, and Dvorsky.

Astell Laboratory Service Company Limited, assignee: *See*—
Cuttell, John R., and Ashton.

Aston, Georgianna G., assignee: *See*—
Rockwell, Chauncey L.

Aston, Herbert P., Dallas, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for orienting tools. 2,653,007, Sept. 22.

Aston, John G., State College, Pa., and R. E. Black, Sioux City, Iowa, assignors to Phillips Petroleum Company. Purification of cyclohexane. 2,637,749, May 5.

Astrella, Frank T., Elmwood Park, assignor to Pyramid Mouldings, Inc., Chicago, Ill. Flexible molding strip. 2,634,467, Apr. 14.

Astruck, Paul, Northampton, England. Sunglasses, goggles, and the like. 2,628,352, Feb. 17.

Atchason, Stanley, Somerville, Mass., assignor to The Gillette Company. Process and apparatus for manufacturing articles from strip stock. 2,658,695, Nov. 10.

Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Electrical defrosting arrangement for refrigerators. 2,637,180, May 5.

Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Heat reflecting hood. 2,644,736, July 7.

Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Electric defrosting arrangement for refrigerators. 2,645,905, July 21.

Atchley, Dana W., Jr., Lexington, assignor to Tracerlab, Inc., Boston, Mass. Radiation softening. 2,629,831, Feb. 24.

Ateliers de Construction Oerlikon, assignee: *See*—
Boninsegni, Renato.
Storsand, Bjarne.

Ateliers de Constructions Electriques de Charlerol, assignee: *See*—
Hoyaux, Max.
Meunier, Marcel.

Ateliers Neyret-Beylier & Piccard-Pictet, assignee: *See*—
Angles d'Auriac, Paul.
Daniel, Jean.
Ponsar, Yves.

Aten, Adriaan H. W., Hilversum, and S. G. Wiechers, assignors to de Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Palatable protein products from whey. 2,631,100, Mar. 10.

Atha, Clyde J., Cambridge, Ohio. Apparatus for removing the cut hair from hair clippers. 2,653,380, Sept. 29.

Atherholt, John B.: *See*—
Larsen, Agnew E., and Atherholt.

Atherton, Frank R.: *See*—
Morrison, Alexander L., and Atherton.

Atherton, Ronald: *See*—
Alison, Alexander S., and Atherton.

Athey Products Corporation, assignee: *See*—
Kling, Robert W.
MacDonald, Raymore D.

Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Rug scrubbing machine. 2,624,896, Jan. 13.

Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Oscillating sander. 2,639,564, May 26.

Atkins, Earle R., Whittier, Calif. High-temperature and pressure packing gland. 2,655,391, Oct. 13.

Atkins, Earle R., Jr., La Habra, assignor to Union Oil Company of California, Los Angeles, Calif. Flowmeter. 2,637,206, May 5.

Atkins, Earle R., Jr., La Habra, assignor to Union Oil Company of California, Los Angeles, Calif. Measuring the cross sectional area of boreholes. 2,649,163, Aug. 18.

Atkins, Elizabeth S., Asheville, N. C. Drapery, drapery heading, and supporting means therefor. 2,638,978, May 19.

Atkins, Harry C., University Heights, and H. E. Hermanson, Cleveland, Ohio, assignors to General Electric Company. Base marking apparatus. 2,639,661, May 26.

Atkins, Henry C., Jr., Indianapolis, Ind. Beverage mixing container. 2,631,521, Mar. 17.

Atkins, James I., Hollywood, Fla. Cabinet. 2,651,703, Sept. 8.

Atkins, John S., assignor to Alkaline Batteries Limited, Redditch, England. Anchoring device for insulated flexible electric cables. 2,657,890, Nov. 3.

Atkins, Samuel L., New York, N. Y. Drinking vessel. 2,646,200, July 21.

Atkins, S. Lawrence, assignee: *See*—
Murphy, Arthur J.

Atkins, Victor K., Seattle, assignor to Pacific Car and Foundry Company, Renton, Wash. Flexible diaphragm for fluid clutches. 2,640,499, June 2.

Atkinson, Earl B., Bay Village, Ohio. Bar hanger attachment. 2,625,357, Jan. 13.

Atkinson, Herbert J., Sudbury, Mass. Feeder for solid and liquid constituents. 2,636,812, Apr. 28.

Atkinson, James D., Jr., and L. N. Rogers, assignors to Buckeye Cotton Oil Company, Memphis, Tenn. Acid-alkali process for the preparation of cellulose fibers. 2,625,474, Jan. 13.

Atkinson, John F.: *See*—
Lubin, Samuel, Atkinson, and Podolsky.

Atkinson, Joseph, London, England. Forming blade roots. 2,660,779, Dec. 1.

Atkinson, Peter D.: *See*—
Hemingway, Arthur V., and Atkinson.

Atkinson, Ralph L., Westfield, N. J., assignor to Personal Products Corporation. Sanitary napkin. 2,643,656, June 30.

Atkinson, Ralph W., Westfield, N. J., assignor to General Cable Corporation, New York, N. Y. Strip-grip for electric cables. 2,636,922, Apr. 28.

Atkinson, Wallace E., assignor to Long Manufacturing Company, Inc., Petersburg, Va. Lock hasp. 2,637,584, May 5.

Atkinson, Wallace E., Petersburg, Va. Fly swatter. 2,624,149, Jan. 6.

Atkinson, William P., South Milwaukee, and T. O. Davidson, Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Fairlead for semitrailer scrapers or wagons. 2,628,815, Feb. 17.

Atlanta Paper Company, assignee: *See*—
Forrer, Homer W.

Atlantic Builder's Supply Corp., assignee: *See*—
Rau, Robert S. and W.

Atlantic Carton Corporation, assignee: *See*—
Whitehead, Earl B.

Atlantic Refining Company, The, assignee: *See*—
Ciapetta, Frank G.
Clarke, Edgar W.
Clarke, Edgar W., Doan, and Keenan.
Davis, Louis F.
Glanville, Charles R., Dunlap, and Shuler.
Hirsch, William T., and Roth.
Kassimir, William J.
Nevison, John A.
Ramser, John H.
Webber, Jack C.
Williams, William K., and Krogh.
Woods, John P.

Atlantic Service Company, Inc., assignee: *See*—
Williams, Clarence R.

Atlantic Coast Fisheries Company, The, assignee: *See*—
Crowther, Harold E., and Hopkinson.

Atlas, David, Newton Center, Mass. Device to permit radar contour mapping of rain intensity in rainstorms. 2,656,531, Oct. 20.

Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.

Atlas Manufacturing Company, assignee: *See*—
Hyams, Herbert B.

Atlas Mineral Products Company of Pennsylvania, The, assignee: *See*—
Seymour, Raymond B.
Seymour, Raymond B., and Pascoe.

Atlas Polar Company Limited, assignee: *See*—
Becker, John E.

Atlas Powder Company, assignee: *See*—
Ashworth, Walder B.
Brandner, John D.
Buck, Frank H.
Cross, Sherwood T.
Farren, William R.
Griffin, William C.
Huyett, Daniel D.
Kass, Peter.
Kass, Peter, and Lew.
Kasehagen, Leo.
Lew, Baak W.
Lytle, William C.
McFarland, David M.
McGirr, Robert.
Taylor, William J.

Atlas Press Company, assignee: *See*—
Cole, Clayton K.
Herder, Harry D.
Herder, Harry D., and Van Dam.

Atlas Products (N. Z.) Limited, assignee: *See*—
Agar, George W. A.

Atlee, Zed J., Elmhurst, and J. B. Gosling, Chicago, Ill., assignors to General Electric Company. Envelope for electron flow device and glass-metal seal embodied therein. 2,640,167, May 26.

Atmos Corporation, assignee: *See*—
Jensen, Charles B.

Atomic Basic Chemicals Corporation, assignee: *See*—
Vierling, Donald E.

Attapulgus Minerals & Chemicals Corporation, assignee: *See*—
Duke, James B., and Houston.

Attendu, André C.: *See*—
Hurter, Alfred T., and Attendu.

Attenhofer, Adolf, Zurich, Switzerland. Ski-fastening device. 2,661,957, Dec. 8.

Atterling, Erik A.: *See*—
Eriesson, Eric A., Wiberg, and Atterling.

Attorney General of the United States, Vested in the, assignee: *See*—
Hertz, Jørgen.
Schwenk, Erwin, and Fleischer.

Attwell, Doris, administratrix: *See*—
Martin, Victor.

Attwood, Charles E., assignor to Acme Visible Records, Inc., Chicago, Ill. Selectively operated rotary drum file. 2,659,646, Nov. 17.

Attwood, John G., Oak Park, assignor to Union Machine Company, Chicago, Ill. Vibration means for sewing units. 2,660,140, Nov. 24.

Atwell, Eugene S.: *See*—
Foote, Donald S., and Atwell.

Atwell, Harold V., Beacon, assignor to The Texpany, New York, N. Y. Production of carbon and hydrogen from hydrocarbons. 2,632,690.

Atwood, Bernard D., Walla Walla, Wash. Machine die holder. 2,635,540, Apr. 21.

Atwood, Edwin W., assignor to Copeman Lab Company, Flint, Mich. Bottle closure. Apr. 7.

Atwood, Edwin H., and E. D. Kelper, Jr., Woodbu assignors to Socony-Vacuum Oil Company, Inco New York, N. Y. Fixed bed catalyst draw-off and apparatus. 2,635,071, Apr. 14.

Atwood, George D., assignor to Decorated Meta facturing Company, Inc., Brooklyn, N. Y. pirn. 2,630,394, Mar. 3.

Atwood, James L., Nashville, Tenn. Article tra bakery conveyer system. 2,639,800, May 26.

Atwood, James L., Nashville, Tenn. Bakery moving machine. 2,625,284, Jan. 13.

Atwood, John B.: *See*—
Peterson, Harold O., and Atwood.

Atwood, John B., Riverhead, N. Y., assignor Corporation of America. Diversity frequen reception. 2,624,834, Jan. 6.

Atwood, John B., Riverhead, N. Y., assignor Corporation of America. Diversity gating 2,644,885, July 7.

Atwood, John B., Riverhead, N. Y., assignor Corporation of America. Frequency shift 2,654,801, Oct. 6.

Atwood, John L., Los Angeles, and C. G. Gordon, Calif., assignors to North American Aviation, craft controls. 2,626,115, Jan. 20.

Atwood, Rawson, Garden City, assignor to Metal Manufacturing Company, Inc., Brookly Textile spool driving connection. 2,625,335,

Atwood, Seth B., and W. J. Kush, assignors to Vacuum Machine Company, Rockford, Ill. door hinge. 2,645,809, July 21.

Atwood Vacuum Machine Company, assignee: *See*—
Atwood, Seth B., and Kush.
Johnson, Agnar.

Aubert, Fred B., Detroit, Mich. Electrical contro for liquid fuel burners. 2,662,589, Dec. 15.

Aubert, Fred B., Grosse Pointe, Mich. Combust ing apparatus and controls therefor. 2,654,42

Aubert, Fred B., Grosse Pointe, Mich. Combust ing control system. 2,657,742, Nov. 3.

Aubert, Fred B., Grosse Pointe, Mich. Electrica system for burner and control device 2,657,743, Nov. 3.

Aubert, Per, Oslo, Norway, and E. B. Knott, Harr land, assignors to Eastman Kodak Company, R N. Y. Sensitizing dyes containing a 2-acy (4)-thiazolone nucleus. 2,652,397, Sept. 15.

Aubert, Per, Oslo, Norway, R. A. Jeffreys, and E. Harrow, England, assignors to Eastman Kod pany, Rochester, N. Y. Trinuclear dyes con 5-thiazolidone nucleus. 2,656,351, Oct. 20.

Aubrey, Richard, Jr., and V. J., Boardman T Mahoning County, assignors to The Youngsto & Tube Company, Youngstown, Ohio. Exte for cylindrical members. 2,637,907, May 12.

Aubrey, Venice J.: *See*—
Aubrey, Richard, Jr., and V. J.

Auburn Fishhook Company, Inc., assignee *See*—
Corbett, Herbert A.

Auchincloss, Samuel S., Williamsville, and H. W. Kenmore, N. Y., assignors to American Mac Foundry Company. Sweep and guard mecha bowling pin setting machines. 2,657,929, Nov

Audemar, Pierre, La Garenne-Colombes, France. valve mechanism. 2,634,743, Apr. 14.

Audette, B. J., assignee: *See*—
Wiig, Selmer L.

Audia, Benjamin, Washington, Pa. Automati solution supply for beer distributing 2,645,379, July 14.

Audino, Frank, Jackson Heights, N. Y. Method ing controls for hot water tanks or urns. Feb. 24.

Audio Devices, Inc., assignee: *See*—
Speed, William C., and Dwyer.

Audio Tool and Engineering Limited, assignee: Tateishi, Arthur K.

Audoynaud, Max L., Ouilin, France, assignor to Chemical Corporation, New York, N. Y. Ma of chlorine dioxide of low chlorine content. June 9.

Audubon Wire Cloth Corporation, assignee: *See*—
Guba, Raymond J.

Aue, Johann, Vienna, Austria. Closet. 2,658, 10.

Aue, Lester A., Madeira, and A. H. Boylan, ass The Drackett Company, Cincinnati, Ohio. Pry for removing can lids. 2,633,041, Mar. 31.

Auer, George A., Chicago, Ill. Hydraulic 2,631,726, Mar. 17.

Auer, Laszlo, South Orange, N. J. Textile decorating pigment color composition containing a phenol-epihalohydrin condensation product. 2,637,621, May 5.
Auer, Laszlo, South Orange, N. J. Oil-in-water emulsion textile printing extender pastes. 2,637,705, May 5.
Auer, Laszlo, South Orange, N. J. Pigment dispersions in water. 2,637,711, May 5.
Auerbach, Dave, Chicago, Ill. Fastening food wafers to bird cages. 2,633,100, Mar. 31.
Auerbach, William, assignee: *See*—
De Pinto, Sergio.
Auerbach, Zemach, Bronx, N. Y. Safety razor blade dispenser. 2,628,710, Feb. 17.
Auerbach, Zemach, New York, N. Y., assignor to The Gillette Company. Blade packaging machine. 2,627,790, Feb. 10.
Aufiero, John M., Plandome, N. Y. Heating apparatus. 2,631,217, Mar. 10.
Aufiero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile heater. 2,640,407, June 2.
Aufiero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile heater. 2,647,451, Aug. 4.
Augat, A. A., Machine & Tool Co. Inc., assignee: *See*—
Burman, Joseph O., Jr.
Auger, Harold, Maidenhead, England. Power transmission mechanism in storage equipment. 2,652,162, Sept. 15.
Augspurger, Luther S., and D. F. Hasse, assignors to Aero Manufacturing Co., Rockford, Ill. Tank closure fastener. 2,655,397, Oct. 13.
Augustadt, Herbert W., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating wave generator. 2,639,385, May 19.
Augustadt, Herbert W., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic volume control. 2,657,264, Oct. 27.
Augustine, Frederick B., Jefferson, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Halogen-promoted oxidation. 2,643,269, June 23.
Aukstuolis, Rapolas, Stamford, Conn. Ellipsograph. 2,636,272, Apr. 28.
Auldridge, Dexter D., assignor of one-half to A. S. Tennant, South Charleston, W. Va. Making fishing lures. 2,643,418, June 30.
Aulen, Walter E., Woodstown, N. J., assignor to Eddystone Machinery Company, Chester, Pa. Jaw arm for winding machines. 2,646,230, July 21.
Auler, Harold F., and E. E. Kohls, Milwaukee, Wis.; said Kohls assignor to said Auler. Timer for model airplanes. 2,640,295, June 2.
Ault, Harley A., Daytona Beach, Fla., assignor of one-half to L. B. Campbell, San Francisco, Calif. Page end signaling device for typewriters. 2,641,350, June 9.
Ault, Thomas J., Muncie, Ind. Container fastening apparatus for transport vehicles. 2,631,885, Mar. 17.
Aumick, K. Donald, Pine City, and J. W. Dickey, Newfield, N. Y., assignors to Bendix Aviation Corporation. Reciprocating electromagnetic pump. 2,641,188, June 9.
Auphan, Michel, Paris, France, assignor to Societe Generale d'Electronique, Monaco (Principality of Monaco). Manufacture of a screen for a television apparatus or the like. 2,644,208, July 7.
Aurbach, Kurt, and A. Klaar, assignors to Anker-Werke, A. G. Bielefeld, Germany. Plural drawer mechanism for cash registers. 2,650,023, Aug. 25.
Aurbach, Kurt, and H. Schaper, assignors to Anker-Werke, A. G., Bielefeld, Germany. Indicating apparatus for cash registers or other business machines. 2,658,668, Nov. 10.
Auriol, Eliol, Toulouse, France. Power press and the like thrust-controlled machines. 2,654,264, Oct. 6.
Aurora Equipment Company, assignee: *See*—
Dunham, Thomas M.
Hilgen, Theodore J.
Aurora Research Industries, Inc., assignee: *See*—
McDonald, Dan
Ausherman, Harry S., Wichita, Kans. Belt tightener and slack adjuster. 2,639,623, May 26.
Ausland, Le Roy J., Seattle, Wash., assignor to Pioneer Sand and Gravel Company. Reglet. 2,664,057, Dec. 29.
Auslender, Pearl, Chicago, Ill. Maternity garment. 2,661,475, Dec. 8.
Auspos, Lawrence A., Tonawanda, N. Y., and J. B. Dempster, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cerium esterification catalyst. 2,643,989, June 30.
Aust, Mart L., Clarksdale, Miss. Tractor implement. 2,649,039, Aug. 18.
Aust, Robert J.: *See*—
Puerner, George O., Aust, and Tulauskas.
Aust, Robert J., and W. E. Peek, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Indexed control. 2,632,830, Mar. 24.
Austin, Bascum O.: *See*—
Miner, John D., Jr., Austin, and Jessee.
Austin, Bascum O., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic relay. 2,660,641, Nov. 24.
Austin, Ben R., New York, N. Y. Slide fastener. 2,625,726, Jan. 20.
Austin, Benjamin L.: *See*—
Baker, Reuben C., and Austin.
Austin, Dwight E., Kent, Ohio. Bed bottom. 2,638,606, May 19.
Austin, Emery H., Stuart, Fla. Road actuated safety signal for vehicles. 2,654,876, Oct. 6.
Austin, Harold S., Dallas, Tex. Stop mechanism for step-by-step plungers. 2,627,757, Feb. 10.
Austin Hoy & Company Limited, assignee: *See*—
Proctor, Sidney E.
Austin, James A., and K. A. Ratcliff, Mission, assignors to Jensen-Salsbery Laboratories, Inc., Kansas City, Mo. Treating frothy bloat in ruminants and tympanic colic in horses. 2,635,981, Apr. 21.
Austin, James M., Old Westbury, N. Y. Razor blade magazine. 2,639,029, May 19.
Austin, James M., Old Westbury, N. Y. Razor and blade changer. 2,653,379, Sept. 29.
Austin, Leonard E., assignor to Illinois Tool Works, Chicago, Ill. Machine for orienting and driving longitudinally asymmetrical headless fasteners. 2,638,945, May 19.
Austin, Leonard E., Santa Monica, Calif., assignor to Illinois Tool Works, Chicago, Ill. Power screw driver. 2,646,091, July 21.
Austin, Leslie W., San Jose, assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Production of magnesia. 2,641,529, June 9.
Austin, Leslie W., San Jose, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Production of magnesia. 2,641,530, June 9.
Austin, Leslie W., San Jose, and J. D. Isaacs, Fontana, Calif.; said Isaacs assignor to Kaiser Steel Corporation, and said Austin assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Refractory product. 2,628,088, Feb. 10.
Austin, Leslie W., San Jose, and J. C. Hicks, Menlo Park, Calif., assignors to Kaiser Aluminum & Chemical Corporation. Preparing refractory bonding material. 2,628,915, Feb. 17.
Austin, Leslie W., San Jose, and C. A. Rick, Menlo Park, Calif., assignors to Kaiser Aluminum & Chemical Corporation. Preparation of periclase. 2,641,531, June 9.
Austin, Merritt B., Jr., Deerfield, Ill. Electrical outlet box. 2,639,054, May 19.
Austin Motor Company Limited, The, assignee: *See*—
Bareham, Eric G., and Layland.
Layland, William.
Rennie, Basil C., and Weaving.
Stanfield, James R., and Garrett.
Weaving, John H., Dangerfield, and Garrett.
Austin, Ralph W., Weymouth, assignor to Badger Fire Extinguisher Company, Somerville, Mass. Portable pump apparatus of the shoulder pack type. 2,656,958, Oct. 27.
Austin, Robert R., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrolytic titration cell. 2,624,701, Jan. 6.
Austin, Sumter M., assignee: *See*—
Tucker, William C.
Austin, Walter P., assignor of one-half to R. T. Patterson, Nashville, Tenn. Nonreciprocating refrigeration unit. 2,637,174, May 5.
Autelca A. G., Guemligen, assignee: *See*—
Moser, Otto.
Auten, Howard L., East Peoria, Ill. Container structure for paste shoe polish, including an applicator. 2,635,271, Apr. 21.
Auten, Howard L., East Peoria, Ill. Diaphragm closure for paste shoe polish container equipped with a dauber. 2,654,110, Oct. 6.
Auten, Noel E., Wyndmoor, assignor to Metal Specialties, Inc., Philadelphia, Pa. Device for washing articles such as drinking glasses. 2,643,659, June 30.
Auten, Robert W.: *See*—
Hurwitz, Melvin D., and Auten.
Auteurieth, Ferdinand, Irvington, assignor to C. F. Mueller Co., Jersey City, N. J. Alimentary food product machine. 2,649,056, Aug. 18.
Auto-Bye Company, assignee: *See*—
Reinholz, William H.
Autocall Company, The, assignee: *See*—
Seaton, Harold E.
Autocar Company, The, assignee: *See*—
Hillman, Ross H.
Autocraft Mfg. Corp., assignee: *See*—
Gelles, William H., and Miller.
Autogiro Company of America, assignee: *See*—
Campbell, Harris S.
Pitcairn, Harold F.
Pullin, Cyril G.
Stanley, Paul H.
Auto Lamp Manufacturing Co., assignee: *See*—
Dibelka, Henry G.
Automatic Bedding Corporation, assignee: *See*—
Gursky, Meyer.
Automatic Benders, Inc., assignee: *See*—
Esslinger, Paul W.
Automatic Devices Corporation, assignee: *See*—
Johnson, Arthur A.
Automatic Electric Laboratories, Inc., assignee: *See*—
Bakker, Pier.
Balzer, Harvey W., and Bakker.
Bartelink, Everhard H. B.
Benno, Edward L.
Daskam, Edward, Jr.

Automatic Electric Laboratories, Inc., assignee: *See*—Con.
Glenger, Fred.
Grandstaff, Otho D.
Graybill, Kenneth W., and Sengebusch.
Griffins, Morris E.
Herrick, Roswell H.
Huffman, Robert L.
Johnston, Leith.
Kessler, Frank.
Lomax, Clarence E.
Lomax, Clarence E., and Gallagher.
MacDonald, Duncan N.
Molnar, Imre.
Ostline, John E.
Pye, Harold C.
Sands, Roy G.
Stehlik, Rudolph F.
Tinsman, Jack R., Novy, and Pence.
Tinsman, Jack R., Novy, and Thurlow.
Voss, John H.
Wicks, John.
Automatic Locking Devices, Incorporated, assignee: *See*—
Spraragen, Louis.
Automatic Manufacturing Corporation, assignee: *See*—
Friberg, Vincent P.
Automatic Nailing Machinery Co., Inc., assignee: *See*—
Kott, Herbert.
Automatic Poultry Feeder Company, assignee: *See*—
De Witt, Richard A.
Smallegan, Marvin L.
Automatic Pump & Softener Corporation, assignee: *See*—
Whitlock, Fred W.
Whitlock, Robert A., Jr.
Automatic Rock-A-Bye, Inc., assignee: *See*—
Strom, Gordon H., Lichter, and Rusincky.
Automatic Steel Products, Inc., assignee: *See*—
Wickwire, Arthur M., and Kessel.
Automatic Switch Co., assignee: *See*—
Churchill, Alan W., and Van Camp.
Automatic Systems Corporation, assignee: *See*—
Saunders, Clarence.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Davison, Alan.
Davison, Alan, and Allen.
Davison, Alan, and Threadgold.
Mackenzie, John F., and Horrocks.
Smith, Sidney R., and Barrett.
Taylor, Reginald.
Automatic Temperature Control Co., Inc., assignee: *See*—
Macgeorge, William D.
Macgeorge, William D., and Cross.
Macgeorge, William D., and Roessler.
Roessler, Charles E., Jr.
Automatic Washer Company, assignee: *See*—
Breckenridge, Frank.
Automatic X-Ray Corporation, assignee: *See*—
Roop, Harold D.
Automotive Appliance Company, assignee: *See*—
Ewald, Edwin.
Automotive Products Company Limited, assignee: *See*—
Brock, William H. J.
Parker, Sydney M.
Automotive Rubber Company, Incorporated, assignee: *See*—
Redmond, Robert L.
Automotive Spring Corporation, assignee: *See*—
Heuer, Lawrence H.
Autopoint Company, assignee: *See*—
Krause, Richard S., and Selbert.
Woods, Fred D.
Auto-Soler Company, The, assignee: *See*—
Wright, John G., Toney, Watkins, Sudan, and Maxwell.
Wright, John O., Toney, Watkins, Sudan and Maxwell.
Auto Specialties Manufacturing Company, assignee: *See*—
Lucker, Millard B.
Mueller, Joseph J.
Auto Transmissions Limited, assignee: *See*—
De Normanville, Edgar J.
Auto Tyre Services Limite, assignee: *See*—
Kent, Jan H. F.
Auto-Wrap Corporation, assignee: *See*—
Rubinstein, Matthew N., and Caplin.
Autoyre Company, Incorporated, assignee: *See*—
Briggs, Arthur T.
Depweg, Leonard S.
Maher, Richard A., Oliver and Wedig.
Oeler, Richard C., and Constantine.
Peterson, Merle H.
Sanford, Roy S.
Schipper, Robert J., and Stacy.
Schwarz, Hans G.
Wissel, Francis A., and Parker.
Auty, Albert, Dewsbury, assignor to Wormalds & Walker Limited, Dewsbury, Yorkshire, England. Shuttle-box motion for looms. 2,631,616, Mar. 17.
Avakian, Souren: *See*—
Martin, Gustav J., Beller, and Avakian, and Moss.
Avansino, John E., Linden, Calif. Tree shaking mechanism. 2,656,669, Oct. 27.
Avco Manufacturing Corporation, assignee: *See*
Ajero, Fortunato S.
Bowen, Myron W.
Boyle, Homer G.
Burke, Louis L.
Bussard, Emmery J. H.
Carpenter, John M.
Chamberlin, John W.
Clingman, William H.
Dalglish, James J., and Holm.
Davidson, Lloyd H.
Depweg, Leonard S.
Green, Maurice W.
Juzwiak, Edmond A., and Ajero.
Maher, Richard A., and Pfitzer
Miller, Lewis L.
Parker, Norman W.
Rickenbach, August W.
Runft, Arthur J.
Vutz, Wilhelm.
Wiegman, Clarence H., King, Rickenbach, a
Wissel, Francis A.
Woodburn, Joseph J.
Avedikian, Souren Z., Larchmont, N. Y. Comp
matter with plastic bonding and making fr
formaldehyde, comminuted wood, and sodiu
2,652,373, Sept. 15.
Avenell, Archibald A.: *See*—
Stokes, Philip H., Avenell, and Mitchell.
Averill, Charles C., assignor to Union Steel Prod
pany, Albion, Mich. Device for packaging ti
and the tire casing assemblies. 2,659,484, No
Averill, Charles C., assignor to Union Steel Prod
pany, Albion, Mich. Collapsible stacking
2,660,328, Nov. 24.
Averill, Harold P., Aberdeen, Md., and R. Pfanst
land Heights, Ohio, assignors to the United
America as represented by the Secretary of W
position of matter. 2,644,796, July 7.
Aversten, Karl J., Lidingo, assignor to Svenska
get Gasaccumulator, Lidingo, near Stockholm
Transportable welding apparatus. 2,661,428,
Avery, Frank E., Erie, Pa. Cushioning membe
ficial dentures. 2,663,933, Dec. 29.
Avery-Hardoll Limited, assignee: *See*—
Fraser, John.
Avery, Harold T. Oakland, Calif, assignor to
Calculators, Inc. Keyboard interlock.
Aug. 25.
Avery, Henry C., executor: *See*—
Bates, Joseph D.
Avery, Hillard M., Indianapolis, Ind. Surge
scalp-treating device. 2,657,684, Nov. 3.
Avery, Howard S., Mahwah, N. J., assignor to
Brake Shoe Company, New York, N. Y. Binde
materials in tubular welding rods. 2,642,516
Avery, Howard W., Schenectady, N. Y., assigno
eral Electric Company. Hydraulic valve
2,649,107, Aug. 18.
Avery, Robert D.: *See*—
Norris, Ralph F., and Avery.
Glen, William L., Myers, and Papineau-Cou
Avery, Samuel K., Dolton, Ill. Prosthetic tr
corder. 2,648,130, Aug. 11.
Avery, True M.: *See*—
Bokenkroger, William H., and Avery.
Aves, Fred J., Los Angeles, Calif. Cur
2,642,830, June 23.
Avetta, Albert J., and T. Scardamalia, Pittsb
said Scardamalia assignor to said Avetta.
for eviscerating shrimp. 2,625,705, Jan. 20.
Avetta, Albert J., and T. Scardamalia, Pittsb
Conveyor apparatus for eviscerating shrimp.
Jan. 27.
Avey, William P., New Kensington, H. H. H
Pittsburgh, L. W. Meyer, Schuylkill Haven,
McLaughlin, Pottsville, assignors to Alumi
pany of America, Pittsburgh, Pa. Metal dr
paratus. 2,635,738, Apr. 21.
Avil, Frank S., Avondale Estates, Ga. Machine
ing and packaging potato chips or the like.
July 7.
Avila, Lawrence H., assignor to Avila Pro
Oakland, Calif. Bed cover. 2,627,617, Feb.
Avila, Lawrence H., assignor to Avila Products
land, Calif. Portable bed and bath. 2,636,19
Avila, Manuel L., assignee: *See*—
McConnell, John A.
Avila Products Co., assignee: *See*—
Avila, Lawrence H.
Avins, Jack, New York, N. Y., assignor to Radi
tion of America. Automatic gain contro
2,644,082, June 30.
Avins, Jack, Staten Island, N. Y., assignor to
poration of America. Keyed noise-clippi
2,637,774, May 5.
Avis, Walter R., assignor to Zippo Manufactu
pany, Bradford, Pa. Flint dispenser. 2,645
14.
Avondoglio, Leo, Verona, N. J., assignor to Curt
Corporation. Aircraft cowling seal. 2,638,28

Avril, Arthur C., Cincinnati, assignor to A and T Development Corporation, St. Bernard, Ohio. Form for molding openings in concrete structures. 2,658,252, Nov. 10.

Axe, William N.: *See*—
Wagner, Cary R., Axe, and Himel.

Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Extraction of lubricating oils with a phenol-alkanolamine solvent. 2,645,596, July 14.

Axe, William N., and W. B. Whitney, Bartlesville, Okla., assignors to Phillips Petroleum Company. Lubricants. 2,660,562, Nov. 24.

Axelsen, Ernest F., Seattle, Wash. Cable retrieving apparatus. 2,650,129, Aug. 25.

Axeman, James E., assignee: *See*—
Anderson, William S.

Axtell, Oliver H., Jr.: *See*—
MacKenzie, James S., and Axtell.

Axtell, Willard G., assignor to Shwayder Bros., Inc., Denver, Colo. Method of and bath for electrolytic polishing. 2,645,611, July 14.

Ayala, Héctor L., Ocotlan, Mexico, assignor to Celanese Corporation of America. Yarn packaging device. 2,629,559, Feb. 24.

Ayer, Ermon F., North Haven, and S. P. Caldwell, assignors to High Precision, Incorporated, Hamden, Conn. Roller type overrunning clutch. 2,633,951, Apr. 7.

Ayers, Arnold L., and C. R. Scott, Bartlesville, Okla., assignors to Phillips Petroleum Company. Winterized vegetable oil and producing the same. 2,643,260, June 23.

Ayers, Arnold L., and C. R. Scott, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of oilseed flakes. 2,645,650, July 14.

Ayers, Ellsworth B., Atlanta, Ga., assignor to Standard Oil Development Company. Storage tank construction. 2,632,466, Mar. 24.

Ayers, Fred L., Watertown, Mass. Shoe with backstays. 2,635,361, Apr. 21.

Ayers, George W., Chicago, Ill., and E. E. Harton, Laramie, Wyo., assignors to The Pure Oil Company, Chicago, Ill. Sweetening gasoline. 2,626,890, Jan. 27.

Ayers, Joseph W., Easton, Pa., assignor, by mesne assignments, to C. K. Williams & Co., East St. Louis, Ill. Purification of cuprous oxide. 2,626,854, Jan. 27.

Ayers, William B., Camden, and J. N. Smith, Westmont, N. J., assignors to Radio Corporation of America. Code recognition system. 2,648,829, Aug. 11.

Ayers, William T. H., Indianapolis, Ind. Screw feeder and holder. 2,658,199, Nov. 10.

Ayerst, McKenna & Harrison, Limited, assignee: *See*—
Beall, Desmond, and Grant.
Beall, Desmond, Grant, and Legault.
Deans, Sidney A. V.
Gaudry, Roger.
Hald, Jens G., Gad, and Deans.
Von Seemann, Carl, and Grant.

Aylor, Elmo E., Chicago, Ill. Pencil pointer. 2,628,593, Feb. 17.

Aylor, Eugene W., Brightwood, Va. Hinged door chicken coop. 2,639,473, May 26.

Aylor, Eugene W., Brightwood, Va. Chicken coop. 2,651,815, Sept. 15.

Ayres, Arthur U., Chestnut Hill, Pa., assignor to The Sharples Corporation. Continuous alkali refining of vegetable oils. 2,663,719, Dec. 22.

Ayres, Robert J., Los Angeles, and D. G. Gumpertz, North Hollywood, Calif., said Gumpertz assignor to said Ayres. Courtesy warning device for motor vehicles. 2,655,642, Oct. 13.

Ayres, Robert O., Houston, Tex. Cooling tower unit. 2,656,168, Oct. 20.

Ayres, Russell W., and D. F. Swanson, assignors to Seeger Refrigerator Company, St. Paul, Minn. Combination drier and restrictor for refrigeration systems. 2,628,484, Feb. 17.

Ayres, Sarah A., Hermosa Beach, Calif. Calculator. 2,630,271, Mar. 3.

Ayres, Waldemar A., Kew Gardens Hills, N. Y. Apparatus for producing stereoscopic pictures. 2,644,382, July 7.

Ayres, Waldemar A., Lakewood, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Sewing machine. 2,632,604, Mar. 24.

Ayres, William H., Baltimore, Md., assignor to American Can Company, New York, N. Y. Method of producing container bodies. 2,629,421, Feb. 24.

Ayrton, Wm., & Company, Limited, assignee: *See*—
Osborne, Frank.

Ayton, Harvey S., Winfield, assignor to The Dole Valve Company, Chicago, Ill. Adjustable dispenser base. 2,635,845, Apr. 21.

Azbe Corporation, assignee: *See*—
Azbe, Victor J.

Azbe, Victor J., Webster Groves, assignor to Azbe Corporation, Clayton, Mo. Kiln. 2,653,809, Sept. 29.

Azorlosa, Julian L., assignor to Hercules Powder Company, Wilmington, Del. Paper product and its preparation. 2,654,671, Oct. 6.

Azorlosa, Julian L., assignor to Hercules Powder Company, Wilmington, Del. Coating paper and product resulting therefrom. 2,661,308, Dec. 1.

Azorlosa, Julian L., assignor to Hercules Powder Company, Wilmington, Del. Coated paper and producing same. 2,661,309, Dec. 1.

Azorlosa, Julian L., Westbury, N. Y., and D. P. Hug, assignors to Hercules Powder Company, Wilmington, Del. Coated paper and making same. 2,635,972, Apr. 21.

B. B. Chemical Co., assignee: *See*—
Davis, Howard G., Jr., Durette, and Johnson.
Griswold, Stanley M., and Reynolds.
Hall, Alan M., and Woolman.
Harrington, Valentine F.
Morris, Thomas C., and Johnson.

B. E. V. I. Bulloneria e Viteria Italiana, Soc. a resp. lim., assignee: *See*—
Chiaberta, Serafino.

B-I-F Industries, Inc., assignee: *See*—
Frazel, Wilbur H.

B-W Manufacturers, Inc., assignee: *See*—
Spangler, Walter L.

Baade, Henry, Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Clothes-washing machine having a squeeze bag extractor. 2,653,465, Sept. 29.

Baas, Theodore J., Westbrook, Minn. Device for setting carburetor floats. 2,660,801, Dec. 1.

Baash-Ross Tool Company, assignee: *See*—
Gardner, James D.

Baasner, Wilhelm, and K. Huber, Munich, Germany. Photographic enlarger. 2,625,075, Jan. 13.

Babare, George M. and R. S., Tacoma, Wash. Crane. 2,625,276, Jan. 13.

Babare, Robert S.: *See*—
Babare, George M. and R. S.

Babb, Charles L., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Split type shaft sleeve bearing. 2,635,015, Apr. 14.

Babbitt, Bernard R., and C. B. Kunz, assignors to Manganese Chemicals Corporation, Minneapolis, Minn. Leaching manganese ore. 2,663,618, Dec. 22.

Babbitt, John F., Louisville, Ky., assignor to Rogers Imports Inc., New York, N. Y. Case for a package of cigarettes. 2,649,194, Aug. 18.

Babbitt, Raymond J., Cleveland, Ohio. Meat patty maker. 2,631,331, Mar. 17.

Babcock, Alexander, Camp Borden, Ontario, Canada. Ball turning machine. 2,628,462, Feb. 17.

Babcock, Henry A., Glendale, Calif. Passenger transit system. 2,657,642, Nov. 3.

Babcock, Henry H., Oak Park, assignor to Conlon-Moore Corporation, Cicero, Ill. Ironing machine with reciprocating ironing shoe. 2,624,135, Jan. 6.

Babcock, Horace W., Pasadena, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Cathode-ray deflection circuit. 2,653,274, Sept. 22.

Babcock, John C.: *See*—
Minion, Huang, and Babcock.

Babcock, Roger S., Plainfield, and E. M. Holub, Elizabeth, N. J., assignors to Union Carbide and Carbon Corporation. External powder feed scarfing process and apparatus. 2,664,368, Dec. 29.

Babcock, Wallace C., Bayside, and H. W. Nylund, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave-guide isolation coupling system. 2,639,371, May 19.

Babcock & Wilcox Company, The, assignee: *See*—
Ammon, Johannes H.
Anderson, Clarence E.
Bailey, Ervin G., and Hardgrove.
Brister, Paul M.
Brister, Paul M., and Koolstra.
Brooks, Ernest A.
Cordovi, Marcel A.
Coykendall, Leon H.
Curtis, Robert W.
Durham, Edwin.
Ebersole, George B.
Evans, Sidley O.
Fitz, Kenneth E.
Forsyth, Robert H.
Gay, Cecil H.
Gilg, Frank X., and Singleton.
Grossman, Paul R.
Harter, Isaac and Norton.
Harter, Isaac, Jr.
Harter, Isaac, Jr., and Ratcliffe.
Harvey, John F.
Heller, Lewis W.
Iager, Raymond F.
Langvand, Ivar L.
Lotz, Otto.
Marquez, Charles L., Jr., and Kazmierski.
Maxwell, Carl A., and Craven.
Moore, William T.
Norton, Charles L., Jr.
Rivers, Heyward.
Schoessow, Glen J.
Singleton, John C., Jr.
Toth, John E.
Waldron, Stoddard S.
Woolley, Charles H.
Zoller, Ronald E.

Babey, Matthew J.: *See*—
Millson, Henry E., Parsons, and Babey.

Babin, Lionel, assignee: *See*—
Freeman, Dewey J.

Babis, Alexander F., Philadelphia, Pa. Vent cap hydrometer for electric storage batteries. 2,631,183, Mar. 10.

Babiskin, Sidney, New York, N. Y. Refrigerator with rotatable shelf. 2,655,421, Oct. 13.

Babitch, Abraham M., Flint, assignor to General Motors Corporation, Detroit, Mich. Fuel pump. 2,640,424, June 2.

Bables, John K., Los Angeles, Calif. Vehicle wheel containing shock absorbing springs. 2,661,043, Dec. 1.

Babski, Martin F., Pittsburgh, Pa. Saucer grid. 2,660,040, Nov. 24.

Babson Bros. Co., assignee: *See*—
Thomas, Chester A.

Babst, Otto, Berlin-Haselhorst, assignor to Rotaprint Akt. Ges., Berlin, Germany. Mechanical movement. 2,624,204, Jan. 6.

Baca, Hugo H., Corpus Christi, assignor of one-third to H. J. Robins, Houston, and one-third to E. Goldstein, San Antonio, Tex. Well pump. 2,660,119, Nov. 24.

Baca, Luciano, Ventura, Calif. Heat dissipating handle. 2,635,280, Apr. 21.

Bacchi, Ray, Daly City, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Cone valve operator. 2,650,503, Sept. 1.

Bacchi, Ray, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Spherical valve. 2,663,538, Dec. 22.

Bach, Emmon: *See*—
De Florez, Luis, Gore, and Bach.

Bach, John W., Port Chester, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Overload drive release. 2,656,185, Oct. 20.

Bach, Leonard A. and W. E., Chicago, Ill. Racing game scorekeeping device. 2,629,602, Feb. 24.

Bach, William E.: *See*—
Bach, Leonard A. and W. E.

Bachelder, Albert J., Lexington, and O. E. Wolff, Concord, assignors to Polaroid Corporation, Cambridge, Mass. Photographic processing apparatus. 2,638,828, May 19.

Bacheller, "D" Flavius, Glendale, Calif., assignor to "Pump-It" Incorporated. Hand actuated dispenser pump. 2,657,834, Nov. 3.

Bachem, Marcel G., and A. E. Taupenas, Montelimar, Drome, France. Burner for heavy fuels. 2,635,588, Apr. 21.

Bachle, Carl F., assignor to Continental Motors Corporation, Detroit, Mich. Pressurized chamber for air-cooled engines. 2,644,541, July 7.

Bachle, Carl F., Grosse Pointe, assignor to Continental Aviation and Engineering Corporation, Detroit, Mich. Cylinder-crankcase assembly. 2,628,596, Feb. 17.

Bachman, Fred E.: *See*—
Tack, Carl E., Bachman, and Kayler.

Bachman, Fred E., St. Louis, Mo., assignor to American Steel Foundries, Chicago, Ill. Disk brake. 2,655,236, Oct. 13.

Bachman, Harry L., Sr., Columbus, Ohio. Combination cigarette supporting and extinguishing device. 2,663,301, Dec. 22.

Bachmann, Camilla, née Klee, Hamburg-Bahrenfeld, Germany. Flexible stiffening element for body-supporting garments. 2,637,041, May 5.

Bachmann Bros. Inc., assignee: *See*—
McNeill, Albert G.

Bachmann Uxbridge Worsted Co., Inc., assignee: *See*—
Andrews, John R., Jr.
Robinson, Robert D., and Jacques.

Bachmann, Werner E., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War. Purification of cyclonite. 2,656,355, Oct. 20.

Bachofen, Hans, Bulach, Switzerland. Twisting frame. 2,660,023, Nov. 24.

Bachrach, Selik, Florida, Argentina. Mechanical lighter. 2,657,562, Nov. 3.

Backen, Arthur O., Chicago, Ill. Portable spot welder. 2,651,701, Sept. 8.

Backensto, Elwood B.: *See*—
Landis, Phillip S., and Backensto.

Backer, Philip C., Middlesex, and H. E. Van Hoesen, South Branch, N. J., assignors to Research Corporation, New York, N. Y. System for energizing electrical precipitators and the like. 2,642,149, June 16.

Backer, Theodore, assignee: *See*—
Wales, Nathaniel B., Jr.

Backhouse, Headley T., Sunningdale, England. Door lock. 2,631,878, Mar. 17.

Backhouse, Headley T., Sunningdale, England. Mechanism for feeding sheets to rotary drum machines. 2,642,282, June 16.

Backhouse, Headley T., Sunningdale, England. Sheet registering apparatus. 2,642,284, June 16.

Backhouse, Headley T., Sunningdale, England. Sheet feeding apparatus. 2,643,121, June 23.

Backhouse, Headley T., Sunningdale, England. Sheet-supporting machine. 2,654,602, Oct. 6.

Backlund, John R., and V. E. Flanders, assignors to Eureka Williams Corporation, Bloomington, Ill. Garbage disposal apparatus. 2,656,985, Oct. 27.

Backlund, Peter S., Long Beach, and V. N. Jenkins, Palos Verdes Estates, assignors to Union Oil Company of California, Los Angeles, Calif. Wax-oil separation. 2,625,502, Jan. 13.

Backman, Erik G., assignee: *See*—
Sjöblom, Eric A.

Backman, John W., Los Angeles, Calif., assigno
ern California Glass Co., Inc. Shower stall
2,627,327, Feb. 3.

Backman, Pete A.: *See*—
Bonander, Harold E., and Backman.

Backman, Rodger J., Rockford, Ill. She
2,626,773, Jan. 27.

Backofen, E. Ryan, and A. W. Gunning, Ba
assignors to Clark Equipment Company,
Mich. Paper roll handling mechanism.
Apr. 21.

Backofen, E. Ryan, E. J. Dunham, and S. R.
Battle Creek, assignors to Clark Equipmen
Buchanan, Mich. Industrial truck. 2,660,3

Backstrom, Sigurd M., assignor to Aktiebolaget
Stockholm, Sweden. Absorption refrigeration
Mar. 17.

Bäckström, Sigurd M., assignor to Aktiebolag
lux, Stockholm, Sweden. Absorption re
2,640,331, June 2.

Backstrom, Sigurd M., assignor to Aktiebolaget
Stockholm, Sweden. Absorption refrigeratio
the inert gas type. 2,645,908, July 21.

Backus, Cecil F., Wilmington, Del. Nonskid c
composition. 2,643,234, June 23.

Backus, Edward D., and J. Siegel, Bennetts
Foldable cabinet. 2,649,350, Aug. 18.

Backus, Harry A., Cincinnati, Ohio. Sofa bed
2,663,878, Dec. 29.

Backus, John G., Los Angeles, Calif., and
Rochester, N. Y., assignors to the United
America as represented by the United Sta
Energy Commission. Method and apparatu
ing charged particles. 2,658,150, Nov. 3.

Backus, Thomas, assignor to Fuller Manufact
pany, Kalamazoo, Mich. Shift control fo
transmissions. 2,637,222, May 5.

Backus, Thomas, and E. L. Ludvigsen, Kalam
assignors to Fuller Manufacturing Compan
speed gearing. 2,637,221, May 5.

Bacon, Clinton J., Los Angeles, and S. J. Kent
assignors to Nu-Matic Nailer, Inc., Los An
Nail-driving mechanism. 2,652,564, Sept.

Bacon, Eibridge F., deceased, by R. J. Bacon
Flint, assignor to General Motors Corporati
Mich. Signal reflector for automotive vehic
like. 2,649,029, Aug. 18.

Bacon, Henry M.: *See*—
Freedlander, Abraham L., and Bacon.

Bacon, Hollis P., Sarasota, Fla. Radiant heate
protection. 2,628,609, Feb. 17.

Bacon, John H., Wellesley, Mass. Bird whistle.
Oct. 6.

Bacon, Ruth J., executrix: *See*—
Bacon, Eibridge F.

Badami, Dominic, Grant City, N. Y. Safety sl
for air brake systems. 2,633,147, Mar. 31.

Badan, Mario, Rio de Janeiro, Brazil. Syrin
application of nascent oxygen, especially
purposes. 2,662,523, Dec. 15.

Badeau, Carroll A., Westfield, assignor to The
Betts Co., Elizabeth, N. J. Bent tube de
nector. 2,635,133, Apr. 14.

Badenhausen, Otto A.: *See*—
Wahl, Eugene A., Boehl, and Badenhaus

Bader, William, Birmingham, assignor to W
pany, Ferndale, Mich. Toolholder. 2,624,1

Badger Fire Extinguisher Company, assignee:
Austin, Ralph W.

Badger Manufacturing Company, assignee: *See*
Buffum, Albert C.

Badger Meter Manufacturing Company, assig
Miller, Jacob C.

Badger Vending Machines Co., assignee: *See*—
Ziska, Adam.

Badham, Lucretia E., Seattle, Wash. Combin
pistol and spotlight. 2,629,516, Feb. 24.

Badik, Cornelius E., Long Branch, and J. J.
Irvington, N. J., assignors to the United
America as represented by the Secretary of
Device for retaining reel connectors. 2,64
18.

Badische Anilin- & Soda-Fabrik, Aktiengesel
signee: *See*—
Ackermann, Karl, and Schlecht.
Ebel, Friedrich.
Graf, Fritz, and Toepel.
Michelitsch, Walter.
Reppe, Walter, Schweckendiek, and Kroep
Sachssee, Hans, Kosbahn, and Lehrer.
Schlecht, Leo, and Oestreicher.
Schlichting, Otto, Jutz, and Rohland.

Badmaieff, Alexis, Los Angeles, Calif. Automa
trolled multitrack recording and reprodu
system. 2,633,055, Mar. 31.

Badmaieff, Alexis, Los Angeles, Calif. Aut
selecting method and system. 2,661,164, De

Baecher, Bernard J., Sea Cliff, N. Y. Cours
2,625,457, Jan. 13.

Baechli, George, New Philadelphia, Ohio, assig
Manufacturing Company, Pittsburgh, Pa.
winder. 2,652,206, Sept. 15.

Baechli, George, New Philadelphia, Ohio, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Swivel for conveyer troughs. 2,655,254, Oct. 13.

Baechle, Walter, assignor to The J. H. Day Company, Cincinnati, Ohio. Machine for loading baking pans. 2,640,637, June 2.

Baechler, Charles W., Jr., Glenolden, and F. N. Reynolds, Upper Darby, assignors to Raymond Rosen Engineering Products Inc., Philadelphia, Pa. Commutator. 2,634,342, Apr. 7.

Baehr, Herman W., Waupaca, assignor to Eagle Manufacturing Company, Appleton, Wis. Conveyer flight cleaner. 2,636,593, Apr. 28.

Baehr, Sylvester C., Cheektowaga, and A. D. Roubloff, Kenmore, assignors to Wiesner-Rapp Company, Inc., Buffalo, N. Y. Feeder. 2,652,139, Sept. 15.

Baenziger, Leonard N., assignor to Royal Electric Company, Inc., Pawtucket, R. I. Trouble light guard with detachable reflector. 2,626,347, Jan. 20.

Baer, Adrian D., Seattle, Wash. Adjustable surgical finger splint. 2,646,794, July 28.

Baer, Alvin W., Jr., Santa Monica, Calif. Water heater and still. 2,625,506, Jan. 13.

Baer, John M., Chicago, Ill., assignor to Guardite Corporation. Puffed organic materials and making same. 2,653,093, Sept. 22.

Baer, John M., Chicago, Ill., assignor to Guardite Corporation. Puffed farina and making same. 2,653,094, Sept. 22.

Baer, John M., Chicago, Ill., assignor to Guardite Corporation. Puffed oats and making same. 2,653,095, Sept. 22.

Baer, John M., Chicago, Ill., assignor to Guardite Corporation. Puffed wheat and making same. 2,653,096, Sept. 22.

Baer, John M., Chicago, Ill., assignor to Guardite Corporation. Puffed corn and making same. 2,653,097, Sept. 22.

Baer, John M., Chicago, Ill., assignor, by mesne assignments to Coldset Foods, Inc. Selectively puffing granular material and the resulting product. 2,653,098, Sept. 22.

Baer, Julius, Beverly Hills, Calif. Pocketed heel and detachable arch support. 2,637,122, May 5.

Baer, Louis, Bronx, N. Y. Toaster. 2,660,108, Nov. 24.

Baer, Massimo: *See*—
Fordyce, Reid G., and Baer.

Baer, Robert L., Bloomfield, assignor to The Colonial Life Insurance Company of America, East Orange, N. J. Insurance calculator. 2,628,027, Feb. 10.

Baer, Rudolf L.: *See*—
Sulzberger, Marion B., Kanof, and Baer.

Baer, Walter S., Sr., Yeadon, Pa. Link-plate seal for catapult slotted cylinders. 2,648,310, Aug. 11.

Baerwald, Hans G., Cleveland Heights, assignor, by mesne assignments, to Clevite Corporation, Cleveland, Ohio. Transducer device electromechanically sensitive to flexure. 2,659,829, Nov. 17.

Bagby, Robert T.: *See*—
Ramsay, Erskine, and Bagby.

Bagdon, Richard, New York, N. Y. Bead threading machine. 2,641,389, June 9.

Bagg, Earle W., Sans Souci, Mich. Remote control for arc welding. 2,642,515, June 16.

Baggerud, Oscar J., Jersey City, N. J. Mixed pressure turbine engine combination. 2,662,369, Dec. 15.

Baggett, John L., and M. W. Duke, Cumberland, Md., assignors to Celanese Corporation of America. Yarn lubricant. 2,637,693, May 5.

Baggott, Edmund W., Brooklyn, N. Y., assignor to Ideal Toy Corporation. Eye-set construction for dolls. 2,653,414, Sept. 29.

Baggott, Edmund W., New York, N. Y., assignor to Ideal Toy Corporation. Changeable feature doll. 2,661,572, Dec. 8.

Baggott, James M., Zeigler, Ill. Making joint. 2,662,045, Dec. 8.

Bagier, Marzia W., Hollywood, Calif. Necktie holder. 2,652,568, Sept. 22.

Bagley, John F., Jr., South Hadley, assignor to Stanley Home Products, Inc., Westfield, Mass. Cleaning implement holder. 2,632,194, Mar. 24.

Bagley, John F., Jr., South Hadley, assignor to Stanley Home Products, Inc., Westfield, Mass. Mop having hinged backing plates for wringing. 2,663,039, Dec. 22.

Bagley & Sewall Company, The, assignee: *See*—
Whalen, John P.

Bagley, William H., Detroit, Mich. Automobile accessory driving arrangement. 2,634,618, Apr. 14.

Bagnall, James A.: *See*—
Vaughan, Victor G., Mawney, and Bagnall.

Bagnell, Edgar W., Glendale, Calif., assignor, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Flow regulating device. 2,655,217, Oct. 13.

Bagnell, Edgar W., Glendale, Calif., assignor, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Internal anchor device for wells. 2,662,601, Dec. 15.

Bagno, Samuel, Astoria, N. Y. Method and apparatus for washing articles by supersonic vibration in a flowing liquid. 2,647,846, Aug. 4.

Bagno, Samuel M., Astoria, assignor to The Alertronic Protective Corporation of America, New York, N. Y. Apparatus for photoelectric detection. 2,631,273, Mar. 10.

Bagno, Samuel M., Astoria, N. Y., assignor to Alertronic Corporation. Method and apparatus for detecting motion in a confined space. 2,655,645, Oct. 13.

Bagsar, Aaron B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Monolithic metal structure. 2,634,699, Apr. 14.

Bagsar, Aaron B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Monolithic metal structure. 2,634,700, Apr. 14.

Bahlsen, Werner, assignee: *See*—
Lange Ferdinand.

Bahm, William J.: *See*—
Hilpman, Paul, and Bahm.

Bahn, Clarence E., Duluth, Minn. Fishing rod tip. 2,652,654, Sept. 22.

Bahn, John J., Schenectady, N. Y., assignor to General Electric Company. Generator with removable top cooling dome. 2,650,994, Sept. 1.

Bahnsen, John S.: *See*—
Markusen, Andrew, and Bahnsen.

Bahnson, Agnew H., Jr., Winston-Salem, N. C. Apparatus for cleaning filter screens. 2,658,621, Nov. 10.

Baicher, Warren: *See*—
Schenzinger, John M., and Baicher.

Baigent, Henri, Limited, assignee: *See*—
Baigent, Henry C.

Baigent, Henry C., assignor to Henri Baigent Limited, Bournemouth, England. Model vehicle and guide rail therefor. 2,642,815, June 23.

Baigent, Keith H., West Ewell, assignor to R. H. Windsor Limited, London, England. Injection molding machine and variable delivery hydraulic pump therefor. 2,648,096, Aug. 11.

Bailey, Archie T., Hampton Hill, assignor to The Fairey Aviation Company Limited, Hayes, England. Fastening device. 2,631,348, Mar. 17.

Bailey, Art, Philadelphia, Pa. Golf ball retriever. 2,658,637, Nov. 10.

Bailey, Arthur E., Malvern Link, assignor to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Pulse radar system employing the Doppler effect. 2,637,027, Apr. 28.

Bailey, Bradford E., Elizabeth, N. J., assignor to Standard Oil Development Company. Tubular radiant gas burner. 2,632,503, Mar. 24.

Bailey, Bradford E., Elizabeth, N. J. Quick-freezing foodstuffs. 2,640,333, June 2.

Bailey, Christopher E. G., London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Telephonic pulse-code-modulation system. 2,647,238, July 28.

Bailey Dye Works, assignee: *See*—
Bailey, Sidney, Jr.

Bailey, Edmund L., Toledo, Ohio, assignor to Petrolite Corporation. Electric treater. 2,663,687, Dec. 22.

Bailey, Ervin G., Easton, Pa., and R. M. Hardgrove, Canton, Ohio, assignors to The Babcock & Wilcox Company, Jersey City, N. J. Steam generator. 2,636,483, Apr. 28.

Bailey, Ervin G., Easton, Pa., and R. M. Hardgrove, Canton, Ohio, assignors to The Babcock & Wilcox Company, Jersey City, N. J. Steam generator. 2,636,484, Apr. 28.

Bailey, George B.: *See*—
Richardson, Robert D., and Bailey.

Bailey, Herman H., Belmont, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Textile print blanket washing equipment. 2,648,088, Aug. 11.

Bailey, James S., assignor to The Rauland Corporation, Chicago, Ill. Making thin free films. 2,631,334, Mar. 17.

Bailey, James W., Pecos, Tex. Air conditioner for automobiles. 2,631,023, Mar. 10.

Bailey, Julian C., Lexington, N. C. Tool for assembling and disassembling electrical connectors. 2,659,965, Nov. 24.

Bailey, Malcolm, Sr., assignor of one-half to V. G. Stead, Tampa, Fla. Cleaning attachment for internal-combustion engines. 2,644,440, July 7.

Bailey, Maurice E., Orchard Park, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purifying phthalic anhydride. 2,662,901, Dec. 15.

Bailey Meter Company, assignee: *See*—
Dickey, Paul S.
Dueringer, Walter E.
English, James F., Jr., and Hornfeck.
Fellows, Frank H., and Gorrie.
Hornfeck, Anthony J.
Johnson, Clarence.
Luppold, George E., Jr., and Shannon.
McEvoy, James E.
Powell, William, Jr.
Rutherford, Victor S., Hornfeck, and Dickey.
Shannon, Jack F.
Swanson, Bror W.
Whitehead, Cyril C.

Bailey-Perkins, Inc., assignee: *See*—
Cumming, Alfred S.

Bailey, Robert A., Sarona, Wis. Dust seal. 2,644,729, July 7.

Bailey, Robert S.: *See*—
Phinney, Edward D., and Bailey.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. High selectivity receiver. 2,629,818, Feb. 24.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Traveling wave amplifier device. 2,654,004, Sept. 29.

Bailey, Roy W., and J. T. Faull, assignors to Detroit Power Screwdriver Company, Detroit, Mich. Machine for assembling a workpiece on another part. 2,628,520, Feb. 17.

Bailey, Roy W., and J. T. Faull, assignors to Detroit Power Screwdriver Company, Detroit, Mich. Driving and aligning means for power-operated tools. 2,628,646, Feb. 17.

Bailey, Samuel J., Roosevelt, assignor to Servo Corporation of America, New Hyde Park, N. Y. Automatic weighing machine. 2,629,490, Feb. 24.

Bailey, Sidney, Jr., assignor to Bailey Dye Works, Philadelphia, Pa. Apparatus for finishing hosiery. 2,641,120, June 9.

Bailey, Theodore J., Reno, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Conveyer mechanism. 2,626,699, Jan. 27.

Bailey, Thomas W., Hammondsport, assignor to Corning Glass Works, Corning, N. Y. Burn-off machine. 2,644,274, July 7.

Bailey, Vincent R., Chestnut Hill, Mass., assignor to The Gillette Company. Blade dispensing magazine. 2,643,763, June 30.

Bailiff, Charles, Omer, Mich. Adjustable wheel assembly for earth handling and leveling apparatus. 2,635,888, Apr. 21.

Baillot, Ernest: *See*—
Baillot, Georges, and E. Baillot.

Baillot, Georges, deceased, late of Embourg, near Liege, Belgium, by H. Baillot, Liege, and G. Baillot, Embourg, near Liege, sole heirs, and E. Baillot, Liege, Belgium. Compound steam locomotive. 2,652,034, Sept. 14.

Baillot, Germaine, heir: *See*—
Baillot, Georges, and E. Baillot.

Baillot, Helene, heir: *See*—
Baillot, Georges, and E. Baillot.

Bailly, Florent H., Pasadena, Calif. Sampling and handling of mineral specimens. 2,662,401, Dec. 15.

Bailly, Randolph M.: *See*—
Perry, Stephen F., and Bailly.

Baily, Edgar W., Purley, assignor to The Paterson Engineering Company, Limited, Kingsway, England. Means for adding solid materials to liquid. 2,661,244, Dec. 1.

Bain, James, Jr., Waldoboro, Maine, assignor to General Electric Company. Nonintermittent lamp base feeding mechanism. 2,664,186, Dec. 29.

Bain, Vern W., Van Nuys, Calif. Demountable garment hanger. 2,628,751, Feb. 17.

Bain, Walter M., Oak Park, Ill., assignor to The Glidden Company, Cleveland, Ohio. Preparing laminated bodies of cellulosic materials and product. 2,637,675, May 5.

Bainbridge, Kenneth T., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Tunable velocity modulation device. 2,658,147, Nov. 3.

Bainbridge, Kenneth T., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Dual frequency antenna. 2,653,238, Sept. 22.

Baines, John A., Acton, London, assignor to Rotax Limited, London, England. Power transmission mechanisms. 2,655,820, Oct. 20.

Bair, Robert K.: *See*—
Archer, Sydney, and Bair.
Surrey, Alexander R., and Bair.

Baird, Donald A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Brake holding device. 2,638,119, May 12.

Baird, Frank J., San Francisco, Calif. Nail driver. 2,624,879, Jan. 13.

Baird, John B.: *See*—
Schilling, Paul A., Mairs, and Baird.

Baird, John B., and N. B. Lau Bach, assignors to Hudson Engineering Corporation, Houston, Tex. Cooling tower. 2,631,022, Mar. 10.

Baird Machine Company, The, assignee: *See*—
Lewis, Arthur J.

Baird, Raymond C., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas scrubber. 2,625,383, Jan. 13.

Baird, Raymond C., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Liquid and gas contacting apparatus. 2,631,828, Mar. 17.

Baird, Raymond C., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Pulsation eliminator and gas cleaner. 2,659,450, Nov. 17.

Baird, Raymond C., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Centrifugal gas cleaner. 2,659,451, Nov. 17.

Baird, Raymond C., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Stabilized suspension line. 2,659,913, Nov. 24.

Baird, Robert W., Inverness, Miss. Cotton stripper. 2,641,890, June 16.

Baird, William B., New York, N. Y. Marionette toy. 2,662,338, Dec. 15.

Baisch, John C., Whittier, Calif. Tubular tear strip remover with overlapping edges. 2,638,244, May 12.

Baisch, John C., Whittier, Calif., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel supply system. 2,649,084, Aug. 18.

Baisel, Edwin C.: *See*—
Delany, John J., and Baisel.

Bakelaar, John H.: *See*—
Paris, Robert E., Bakelaar, and Comstock.

Bakane, Anthony, Birmingham, Ala. Ball and joint. 2,636,757, Apr. 28.

Bakane, Anthony, Birmingham, Ala. Combined and ball bearing. 2,641,516, June 9.

Baker, Albert A., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Surface drain. 2,629,457,

Baker, Allister L.: *See*—
Keuffel, Carl W., and Baker.
Keuffel, Carl W., Hillman, Baker, and Geier.

Baker, Allister L., Denville, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,[illegible] July 7.

Baker, Allister L., Denville, assignor to Keuffel & Esser Company, Hoboken, N. J. Optical plummet. 2,[illegible] Mar. 31.

Baker, Allister L., Jersey City, assignor to Keuffel & Esser Company, Hoboken, N. J. Adjustable screw. 2,643,845, June 30.

Baker, Arthur: *See*—
Evans, Cyril G., and Baker.

Baker, Arvid H., Port Allegany, assignor to P[illegible] Corning Corporation, Allegheny County, Pa. A[illegible] for charging and weighing pulverulent mater[illegible] containers. 2,634,083, Apr. 7.

Baker, Augustus L., Wrentham, Mass. Fan type [illegible] changer. 2,637,532, May 5.

Baker, Ben B., and H. J. Gates, Lone Pine, Calif. [illegible] safety attachment for firearms. 2,635,379, A[illegible]

Baker, Ben B., and H. J. Gates, Lone Pine, Calif. [illegible] safety latch for firearms. 2,635,380, Apr. 21.

Baker, Benjamin P., Turtle Creek, assignor to [illegible] house Electric Corporation, East Pittsburgh, P[illegible] speed compressed-air circuit breaker. 2,644,87[illegible]

Baker, Benjamin P., Turtle Creek, E. Frisch, Pi[illegible] W. S. Aspey, Turtle Creek, and J. B. MacNe[illegible] burgh, assignors to Westinghouse Electric Cor[illegible] East Pittsburgh, Pa. Interrupter part of co[illegible] air breakers. 2,627,005, Jan. 27.

Baker, Benjamin P., Turtle Creek, and E. Fris[illegible] burgh, assignors to Westinghouse Electric Cor[illegible] East Pittsburgh, Pa. Resistor assembly fo[illegible] interrupters. 2,632,078, Mar. 17.

Baker, Benjamin P., Turtle Creek, and H. M. W[illegible] signors to Westinghouse Electric Corporati[illegible] Pittsburgh, Pa. Pneumatic operating assembl[illegible] blast circuit interrupters. 2,646,483, July 21.

Baker, Bernard R., Nanuet, N. Y., and M. V[illegible] Westwood, N. J., assignors to American [illegible] Company, New York, N. Y. Synthesis of 3-[illegible] gamma-(2-piperidyl)propyl]-4-quinazolone co[illegible] 2,625,549, Jan. 13.

Baker, Bernard R., Nanuet, N. Y., and M. V[illegible] Westwood, N. J., assignors to American Cyanamid [illegible] Company, New York, N. Y. 4-quinazolon[illegible] acetic acids, the esters thereof and salts of [illegible] and said esters. 2,648,665, Aug. 11.

Baker, Bernard R., Nanuet, N. Y., and M. V. Que[illegible] wood, N. J., assignors to American Cyanamid [illegible] New York, N. Y. Beta-ketoalkyl-quinazolones[illegible] salts thereof and making the same. 2,651,633

Baker, Bernard R., Nanuet, N. Y., and M. V. Que[illegible] wood, N. J., assignors to American Cyanamid [illegible] New York, N. Y. Quinazolone compounds an[illegible] the same. 2,651,633, Sept. 8.

Baker Bros. Inc., assignee: *See*—
Hallenbeck, Thomas L.

Baker Castor Oil Company, The, assignee: *See*—
Hansen, Edward F.
Smith, Malcolm K.

Baker, Charles H., Maywood, assignor to S & [illegible] Company, Chicago, Ill. Circuit interrupter. [illegible] Sept. 8.

Baker, Charles S., Corning, assignor to Inge[illegible] Company, New York, N. Y. Controlling devi[illegible] gine driven compressor units. 2,629,536, Feb

Baker, Chester H.: *See*—
Lindell, Sigurd I., and Baker.
Seaton, Harold E., and Baker.

Baker & Company Incorporated, assignee: *See*—
Cohn, Johann G.
Dowson, Arthur G.
Lincoln, Arnold J., and Courtwright.
Russell, Harry J.
Streicher, Johann S.
Stumbock, Max J., and Perrine.

Baker, Cornelius M.: *See*—
Dyne, James H., and Baker.

Baker, Corwin W., Hamilton, Mass., assignor [illegible] Shoe Machinery Corporation, Flemington, N[illegible] rounding and channeling machine. 2,639,44[illegible]

Baker, Corwin W., Hamilton, Mass., assignor [illegible] Shoe Machinery Corporation, Flemington, N. [illegible] separating machine. 2,642,595, June 23.

Baker, Craig C., Los Angeles, Calif. Router wi[illegible] ably mounted drill for stereotype plates. [illegible] July 7.

Baker, Craig C., Whittier, Calif. Matrix [illegible] 2,631,669, Mar. 17.

Baker, Donald L., Marietta, assignor to Carrier Corporation, Syracuse, N. Y. Shipping container for refrigeration systems. 2,626,704, Jan. 27.
Baker, Douglas A., Ottawa, Ontario, Canada. Cord impelled rotatable disk toy. 2,624,977, Jan. 13.
Baker, Dwight L., assignor to B. L. Sarett, Chicago, Ill. Production of catalase from mold. 2,635,069, Apr. 14.
Baker, Dwight L., Park Forest, assignor to B. L. Sarett, Chicago, Ill. Enzymatic process for producing gluconic acid. 2,651,592, Sept. 8.
Baker, Edgar G.: *See*—
Frieder, Leonard P., Garber, and Baker.
Baker, Erwin G., Indianapolis, Ind. Automotive carburetor. 2,633,342, Mar. 31.
Baker, Eula O., Pontiac, Mich. Paper container holder. 2,635,000, Apr. 14.
Baker, Frederick C., Portland, Oreg. Suspension means for vertical shafts. 2,626,120, Jan. 20.
Baker, Friend F., assignor to Baker & Worth, Incorporated, Los Angeles, Calif. Stereoscopic attachment for use with cameras. 2,627,201, Feb. 3.
Baker, George W.: *See*—
Olson, Albert M., and Baker.
Baker, Harold E.: *See*—
Baker, Herbert K.
Baker, Harold E., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Mercury dispenser. 2,662,678, Dec. 15.
Baker, Harriett V., assignee: *See*—
Young, Charles A., and Baker.
Baker, Harry, Wentworth County, Ontario, Canada, assignor to American Can Company, New York, N. Y. Article feeding mechanism with separator means actuated by feeding means. 2,657,049, Oct. 27.
Baker, Harry F.: *See*—
Sohon, Harry, and Baker.
Baker, Harvey L., Denver, Colo. Stencil cutting knife. 2,659,143, Nov. 17.
Baker, Hayward R.: *See*—
Zisman, William A., and Baker.
Baker, Herbert K., Detroit, Mich., assignor of twenty-four per cent to H. V. Baker and twenty-four per cent to H. K. Baker, Jr. Apparatus for feeding cutting tools. Re. 23,642, Apr. 14.
Baker, Herbert K., Jr., assignee: *See*—
Baker, Herbert K.
Baker, James C., South Gate, and J. C. Buchanan, Whittier, Calif., assignors to Norris-Thermador Corporation. Pressed steel bathtub. 2,626,402, Jan. 27.
Baker, James G., Winchester, Mass., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Five component objective lens for aerial photography. 2,628,532, Feb. 17.
Baker, James G., Winchester, Mass., assignor to The Perkin-Elmer Corporation, Norwalk, Conn. Highly corrected telephoto objective lens. 2,629,285, Feb. 24.
Baker, James M., Parkersberg, W. Va. Pivoted handle tool. 2,629,415, Feb. 24.
Baker, James N., Towson, Md., assignor to The Black & Decker Manufacturing Company. Electric strain gauge. 2,632,149, Mar. 17.
Baker, Jess F., Peoria, Ill. Apparatus for cooling and dehumidifying air. 2,663,156, Dec. 22.
Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Drill bit having groove with hard metal cutter insert brazed therein. 2,628,072, Feb. 10.
Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rotary percussion drill assembly. 2,628,115, Feb. 10.
Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rock drill bit. 2,632,662, Mar. 24.
Baker, John E.: *See*—
Schroeder, Ernest C., and Baker.
Baker, John G., assignor to Baker Manufacturing Company, Evansville, Wis. Averaging protractor for matching aircraft propeller blades. 2,638,680, May 19.
Baker, John G., assignor to Baker Manufacturing Company, Evansville, Wis. Pitless well construction. 2,657,637, Nov. 3.
Baker, John G., and L. C. Tullis, Evansville, and L. T. Watry, Madison, assignors to Baker Manufacturing Company, Evansville, Wis. Pump construction. 2,657,633, Nov. 3.
Baker, John R.: *See*—
Baker, Reuben C. and J. R.
Baker, John R., Pasadena, assignor to Baker Oil Tools, Inc., Vernon, Calif. Hydraulically operated well packer. 2,630,865, Mar. 10.
Baker, John R., Pasadena, assignor to Baker Oil Tools, Inc., Vernon, Calif. Expansible rotary drill bit and cutter. 2,644,673, July 7.
Baker, John R., Pasadena, and E. H. Clark, Jr., Huntington Park, assignors to Baker Oil Tools, Inc., Vernon, Calif. Expansible drill bit and cutter blade. 2,644,670, July 7.
Baker, John R., Pasadena, and M. B. Conrad, Huntington Park, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well packer and bridge plug for well bores. 2,647,584, Aug. 4.
Baker, John S., assignor to Cook Electric Company, Chicago, Ill. Differential pressure actuation device. 2,645,248, July 14.
Baker, Leslie C.: *See*—
Hough, George H., and Baker.
Baker, Leonard, Hillsdale, N. J., assignor by mesne assignments, to Filmsort Inc. Apparatus for mounting inserts in cards. 2,643,786, June 30.
Baker, Leonard, Hillsdale, N. J., assignor to Dexter Folder Company, Pearl River, N. Y. Photoprinting apparatus. 2,654,300, Oct. 6.
Baker Manufacturing Company, assignee: *See*—
Baker, John G.
Baker, John G., Tullis, and Watry.
Mooradian, Leon.
Washbond, Harry H.
Baker, Marshall W., assignor to General Motors Corporation, Dayton, Ohio. Open top display refrigerating apparatus. 2,661,604, Dec. 8.
Baker, Matthew W., Blackheath, Ealing, and D. A. U. Rush, Ealing, London, assignors to The Sperry Gyroscope Company Limited, Brentford, England. Pulse synchronizing circuits. 2,662,982, Dec. 15.
Baker, Minard P., Salem, Mass. Extension device holder and positive snap lock. 2,636,707, Apr. 28.
Baker Oil Tools, Inc., assignee: *See*—
Baker, John R.
Baker, John R., and Clark.
Baker, John R., and Conrad.
Baker, Reuben C.
Baker, Reuben C., and Austin.
Baker, Reuben C., and Conrad.
Baker, Reuben C. and J. R.
Baker, Reuben C., and Ragan.
Baker, Reuben C., and Zimmerman.
Childers, Roscoe O.
Kriegel, Bernard.
Lee, Francis H.
Mater, Bernardus E.
Ragan, Thomas M.
Baker, Paul E., Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa. Making composite brake drums. 2,643,445, June 30.
Baker Perkins Inc., assignee: *See*—
Cox, Bradley G.
Cox, Bradley G., and Evans.
Irving, Henry F.
Mack, Kenneth A.
Temple, Hiram E., and Tench.
Baker Perkins Limited, assignee: *See*—
Pointon, John E.
Tunley, Allan A.
Woodward, Stanley.
Baker, R. N., assignee: *See*—
Baker, Robert N.
Baker-Raulang Company, The, assignee: *See*—
Chanda, Clarence W.
Davies, Robert H., and Sirotak.
Schenkelberger, Frank J.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well tool swivel device. 2,627,316, Feb. 3.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well tester. 2,627,317, Feb. 3.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Los Angeles, Calif. Casing centralizer. 2,640,544, June 2.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Apparatus for operating tools in well bores. 2,640,546, June 2.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Dump bailer. 2,640,548, June 2.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Tubing and well tool coupling. 2,644,524, July 7.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Device for controlling well flow. 2,644,527, July 7.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Cushioned gas-operated well apparatus. 2,644,529, July 7.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Gas-operated well apparatus with expansion retarding device. 2,644,530, July 7.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Plug device for well conduits. 2,651,367, Sept. 8.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Dump bailer and bridge plug. 2,653,666, Sept. 29.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Centering device for well casings. 2,659,439, Nov. 17.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well casing cementing plug and valve device. 2,662,599, Dec. 15.
Baker, Reuben C., Coalinga, and B. L. Austin, Long Beach, assignors to Baker Oil Tools, Inc., Vernon, Calif. Cementing plug and valve device for well casings. 2,627,314, Feb. 3.
Baker, Reuben C., Coalinga, and J. R. Baker, Pasadena, assignors to Baker Oil Tools, Inc., Vernon, Calif. Side ported cementing apparatus. 2,633,916, Apr. 7.
Baker, Reuben C., Coalinga, and P. B. Zimmerman, Los Angeles, assignors to Baker Oil Tools, Inc., Vernon, Calif. Removable subsurface well tool. 2,633,917, Apr. 7.

Baker, Reuben C., Coalinga, and M. B. Conrad, Huntington Park, assignors to Baker Oil Tools, Inc., Vernon, Calif. Pressure operated well apparatus. 2,637,402, May 5.
Baker, Reuben C., Coalinga, and T. M. Ragan, Downey, assignors to Baker Oil Tools, Inc., Vernon, Calif. Gas-operated well apparatus. 2,640,547, June 2.
Baker, Reuben C., Coalinga, and B. L. Austin, Long Beach, assignors to Baker Oil Tools, Inc., Vernon, Calif. Plug and valve device for casing apparatus. 2,651,368, Sept. 8.
Baker, Reuben C., Coalinga, and B. L. Austin, Long Beach, assignors to Baker Oil Tools, Inc., Vernon, Calif. Positive shutoff ported casing apparatus. 2,655,216, Oct. 13.
Baker, Reuben C., Coalinga, and J. R. Baker, Pasadena, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well cementing plug. 2,662,600, Dec. 15.
Baker, Richard E., Woodbury Heights, and F. D. Covely, Collingswood, N. J., assignors to Radio Corporation of America. Pulse signal decoding system. 2,643,368, June 23.
Baker, Robert L., Cedar Bluff, Ala. Remote-controlled model helicopter. 2,638,707, May 19.
Baker, Robert M., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of seam welded tubes. 2,647,982, Aug. 4.
Baker, Robert M., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio frequency current transformer. 2,663,827, Dec. 22.
Baker, Robert M., Catonsville, and R. J. O'Donnell, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency heating apparatus. 2,636,975, Apr. 28.
Baker, Robert N., Los Angeles, Calif., assignor, by mesne assignments, to H. Givens and R. N. Baker. Guard for vehicle bumpers. 2,629,623, Feb. 24.
Baker, Rollo C., Jr.: *See*—
Smeltzer, Raymond F., Edwards, Baker, and Burton.
Baker, Thelma V., Fort Wayne, Ind. Antisoiling garment catcher for ironing boards. 2,635,369, Apr. 21.
Baker, Theodore C., Perrysburg, Ohio, assignor to Emhart Manufacturing Company. Apparatus for detecting checks in the rim or finish portions of glass containers. 2,643,767, June 30.
Baker, Thomas R., Sunnyvale, and E. J. Pagendarm, San Mateo, assignors to Bemiss-Jason Machine Co., San Francisco, Calif. Folding box machine. 2,624,248, Jan. 6.
Baker, Thomas R., Sunnyvale, and E. J. Pagendarm, San Mateo, assignors to Bemiss-Jason Machine Co., San Francisco, Calif. Blank feeding mechanism for folding box machines. 2,624,249, Jan. 6.
Baker, Thomas R., Sunnyvale, and E. J. Pagendarm, San Mateo, assignors to Bemiss-Jason Machine Co., San Francisco, Calif. Blank magazine for folding box machines. 2,643,285, June 16.
Baker, Thomas R., Sunnyvale, and F. M. Leßef, San Francisco, assignors to Bemiss-Jason Machine Co., Inc., Redwood, Calif. Folding box machine. 2,655,843, Oct. 20.
Baker, Virgil H., Springfield, Ohio, assignor to Elliott Company, Pittsburgh, Pa. Bit for rotary tube cleaners. 2,629,887, Mar. 3.
Baker, Warwick R., and R. M. Rosensteel, Wilmington, N. C., assignors to Westinghouse Air Brake Company. Control apparatus for electric locks for railway track switches. 2,664,500, Dec. 29.
Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Arc hash analyzer by cathode-ray tube. 2,624,860, Jan. 6.
Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radio-frequency oscillator. 2,642,531, June 16.
Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrometer beam regulator. 2,651,723, Sept. 8.
Baker, William S., Fort Worth, Tex. Piston ring. 2,662,801, Dec. 15.
Baker & Worth, Incorporated, assignee: *See*—
Baker, Friend F.
Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. Offset damping of electrical measuring instruments. 2,639,307, May 19.
Bakke, Laurence D.: *See*—
Altman, Peter, and Bakke.
Bakke, Laurence D., Plymouth, assignor to Continental Motors Corporation, Detroit, Mich. Internal-combustion engine lubrication. 2,627,940, Feb. 10.
Bakker, Pier: *See*—
Balzer, Harvey W., and Bakker.
Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Community automatic exchange networks. 2,632,813, Mar. 24.
Bakker, Pier, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Connector switch. 2,646,466, July 21.
Bakst, Aaron, and S. L. Ruskin, New York, N. Y. Pressure cooker. 2,632,579, Mar. 24.
Balaban, Philip, Detroit, Mich. Multipurpose tape dispensing device. 2,652,205, Sept. 15.
Balaguer, Rodolfo R., Union de Reyes, Cuba. D
battery. 2,628,261, Feb. 10.
Balanscope, Inc., assignee: *See*—
Garutso, Stephen E.
Balata, Victor, & Textile Belting Co., assignee
Grieshammer, Herman H. O.
Balaz, Charles S., assignor to The Northwestern
tion, Morris, Ill. Vending machine. 2,627,3
Balch, Clyde W., assignor, by mesne assignment
mee Development Company, Toledo, Ohio.
ture of anthranilic acid. 2,653,971, Sept. 2
Balch, George E., Pittsburgh, Pa. Contain
2,657,809, Nov. 3.
Balch, Theodore H., Salem, assignor to Sel-Set
West Salem, Oreg. Switch actuator. 2,661,4
Balch, Theodore H., Salem, and R. F. Van De
signors to Sel-Set Company, West Salem, Ore
control of sawmill setworks by electromechani
2,661,036, Dec. 1.
Balcom, Merle E., Merriam, Kans. Take-up
automobile steering idlers. 2,632,656, Mar. 2
Balcrank, Inc., assignee: *See*—
Woelfer, Frank C.
Baldanza, Nicholas T., Rutherford, assignor to
Protektosite Co., Inc., Carlstadt, N. J. Toy
construction. 2,635,500, Apr. 21.
Baldanza, Nicholas T., Rutherford, assignor,
assignments, to Columbia Protektosite Co.,
stadt, N. J. Making molded brushes.
June 23.
Baldanza, Nicholas T., Rutherford, assignor, by
signments, to Columbia Protektosite Co., Inc.,
N. J. Art of and apparatus for moldin
2,655,409, Oct. 13.
Balde, John W., Morristown, N. J., and J. C. B
K. L. Chapman, Winston-Salem, N. C., as
Western Electric Company, Incorporated,
N. Y. Positive feedback pulse generator.
Oct. 27.
Balde, John W., J. C. Bregar, and K. L.
Winston-Salem, N. C., assignors to Weste
Company, Incorporated, New York, N. Y.
curve tracer. 2,626,980, Jan. 27.
Baldinus, Joseph, assignor to Kysor Heater Com
illac, Mich. Heating and ventilating device
motive vehicles. 2,653,798, Sept. 29.
Baldwin Company, The, assignee: *See*—
Chick, Russell W.
Knoblaugh, Armand F.
Baldwin, Clyde P., Claremont, N. H., assign
Manufacturing Company. High-pressure fluid
propulsion system having means for avoidi
2,625,913, Jan. 20.
Baldwin, Clyde P., Claremont, N. H., assign
Manufacturing Company. Rocking axle str
mining apparatus. 2,663,266, Dec. 22.
Baldwin, Francis W., Huntingdon, Pa. Windo
and drying device. 2,625,700, Jan. 20.
Baldwin, Franklin H., Larchmont, assignor to
poration, New York, N. Y. Condensatio
2,662,097, Dec. 8.
Baldwin, Harold R., Carpentersville, Ill., assign
Manufacturing Company. Cover dropper.
Feb. 24.
Baldwin-Hill Company, assignee: *See*—
Hollenberg, Frederick H., Jr.
Baldwin, Ira C.: *See*—
Faye, Charles K., and Baldwin.
Baldwin, James T.: *See*—
Scott, Wylmer L., Park, and Baldwin.
Baldwin, John C., Bluefield, Va. Reamer.
May 12.
Baldwin, John D., Jr., Highland Heights, and J
Cleveland Heights, assignors to The Weather
pany, Cleveland, Ohio. Making dehydrators.
Nov. 17.
Baldwin, John H., Joplin, Mo., assignor to
States of America as represented by the Se
the Army. Deferred action type battery.
Apr. 21.
Baldwin, John H., Joplin, Mo. Primary batter
ing the same. 2,653,179, Sept. 22.
Baldwin, Lee E.: *See*—
Crandall, Ronald E., Kleven, and Baldwi
Baldwin, Lee E., Glendale, assignor to Weston
Limited, North Hollywood, Calif. Control
hydraulic actuating cylinders. 2,641,279, J
Baldwin, Lee E., Los Angeles, and C. W. Fran
dale, assignors to Weston Hydraulics, Limi
Hollywood, Calif. Irreversible hydraulic
power actuator. 2,633,102, Mar. 31.
Baldwin-Lima-Hamilton Corporation, assignee:
Belden, Byron B., and Hall.
Breunich, Theodore R.
Corby, Joseph F.
Crimmel, Harold J.
Kinker, Clarence C.
Littley, John J.
Ruge, Arthur C.
Tate, Malcolm C.
Thomas, Harry A.
Willi, Richard B.

Baldwin, Morris J., Erie, Pa., assignor to General Electric Company. Dynamoelectric machine armature member. 2,632,125, Mar. 17.

Baldwin, Morton S.: *See*—
Wray, Alfred W., and Baldwin.

Baldwin, Robert H., Chadds Ford, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Separating hydrogen fluoride from chlorodifluoromethane. 2,640,086, May 26.

Baldwin, Robert L., Bridgeport, assignor to The Stanley Works, New Britain, Conn. Steel alloy. 2,634,206, Apr. 7.

Baldwin Rubber Company, assignee: *See*—
McDonald, Angus.
McDonald, Angus, and Strobel.

Baldwin, William G., Wilkinsburg, Pa. Spirit plumbing tool and level. 2,637,912, May 12.

Baldwin, William S., St. Paul, and D. E. Floyd, Robbinsdale, Minn., assignors to General Mills, Inc. Selective reduction of fatty acids. 2,656,371, Oct. 20.

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ventilating system for sealed ignition distributors and engine crankcases. 2,639,701, May 26.

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ventilating system. 2,650,577, Sept. 1.

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,658,155, Nov. 3.

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition distributor and coil unit. 2,662,105, Dec. 8.

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Resistor terminal. 2,662,151, Dec. 8.

Balicki, Marian: *See*—
Osti, Aldo P., and Balicki.

Balint, Anthony, New York, N. Y. Automatic harmonica instructor. 2,655,830, Oct. 20.

Balke, Clarence W., Highland Park, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electrolytic production of iron. 2,626,895, Jan. 27.

Balken, Heinz, Wipperfurth (Rheinland), Lelersmuhle, Germany. Machine for unwinding remnants of yarn from bobbins. 2,659,126, Nov. 17.

Ball, Alpheus M., Wilmington, Del., assignor by mesne assignments, to United States of America as represented by the Secretary of War. Large grain smokeless powder. 2,643,611, June 30.

Ball, Arthur F.: *See*—
Constantine, George R., and Ball.

Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Drive controlling means. 2,631,477, Mar. 17.

Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Reeling mechanism for power conductors. 2,639,102, May 19.

Ball, Charles F., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Timber setting machine. 2,649,979, Aug. 25.

Ball, Charles F., Franklin, Pa., and E. M. Luce, Dallas, Tex., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Chuck mechanism for an oil well drilling apparatus. 2,638,324, May 12.

Ball, Charles F., and R. T. Hair, Franklin, Pa., assignors to Joy Manufacuturing Company. Vehicle reel control. 2,639,103, May 19.

Ball, Charles F., and R. T. Hair, Franklin, Pa., assignors to Joy Manufacturing Company. Control valve mechanism. 2,654,382, Oct. 6.

Ball, Charles F., and R. T. Hair, Franklin, Pa., assignors to Joy Manufacturing Company. Cable reeling mechanism. 2,654,547, Oct. 6.

Ball, Charles O., Maumee, Ohio. Sterilizing glass containers. 2,660,513, Nov. 24.

Ball, Charles O., New Brunswick, N. J. Canning process. 2,639,991, May 26.

Ball, Charles W., assignee: *See*—
Rahfuse, Eugene T.

Ball, Clarence L., assignee: *See*—
Thomas, Lawrence E.

Ball, F. M., & Co., assignee: *See*—
Russo, Frank P.

Ball, Fred S., Montgomery, Ala. Boat propelling and steering mechanism. 2,654,335, Oct. 6.

Ball, Jack, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Milliamperage stabilizer. 2,627,035, Jan. 27.

Ball, James W., Dallas, assignor of forty-five per cent to W. R. Gunderson and ten per cent to A. P. Broiles, Dallas County, Tex. Apparatus for stripping and removing artificial casings from sausages. 2,644,979, July 14.

Ball, Lawrence G.: *See*—
Bower, Walter, and Ball.

Ball, Richard N., and E. Van Dellen, Visalia, Calif. Apparatus for processing olives. 2,630,749, Mar. 10.

Ball, Stanley: *See*—
Smith, Ernest L., and Ball.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Carburetor. 2,661,196, Dec. 1.

Ball, Wayne H.: *See*—
Buck, Robert J., and Ball.

Ballantine, James S., Absecon, N. J. Air circulating casing for planing machines. 2,630,846, Mar. 10.

Ballantine, P., & Sons, assignee: *See*—
Wahl, Eugene A., and Boehl.
Wahl, Eugene A., Boehl, and Badenhausen, Wood, Alfred G., Laval, Callaghan, Wahl, Greulich and Boehl.

Ballantyne, David H., Littleover, assignor to Rolls-Royce Limited, Derby, England. Fuel and starting system for gas-turbine engines. 2,630,675, Mar. 10.

Ballantyne, David H., Littleover, and A. Jubb, Buttershaw, Bradford, assignors to Rolls-Royce Limited, Derby, England. Fuel system for gas turbine engines and the like with main and pilot fuel injectors. 2,636,553, Apr. 28.

Ballard, Alfred G., W. C. Dent, D. G. Broscomb, and A. B. Watt, assignors to G. K. N. Group Services Limited, Smethwick, England. Means for severing or severing and conveying lengths of wire or similar stock. 2,662,597, Dec. 15.

Ballard, Archibald H., and D. W. Marshall, Niagara Falls, Ontario, Canada, assignors to Norton Company, Worcester, Mass. Zirconia and quenching same and articles made therefrom. 2,656,278, Oct. 20.

Ballard, Bernard T., Warren, Ohio, assignor to United States Gypsum Company, Chicago, Ill. Window construction. 2,638,640, May 19.

Ballard, Clarence R., Dayton, Ohio. Boring tool. 2,636,403, Apr. 28.

Ballard, Clayton A.: *See*—
Hammond, William E., and Ballard.

Ballard, Clayton A., Belmont, assignor to The Air Preheater Corporation, New York, N. Y. Spring or gravity biased radial seal. 2,650,074, Aug. 25.

Ballard, Edward D., Fort Lauderdale, Fla. Nozzle assembly for fire-fighting equipment. 2,647,798, Aug. 4.

Ballard, Hyde W., West Chester, assignor to American Viscose Corporation, Philadelphia, Pa. Strand traverse mechanism. 2,662,695, Dec. 15.

Ballard, Lyttleton W.: *See*—
Dill, Everett C., and Ballard.

Ballard, Randall C.: *See*—
Allen, Horace C., and Ballard.

Ballard, Randall C., Trenton, N. J., assignor to Radio Corporation of America. Pulse echo altimeter with mechanically driven indicator. 2,638,587, May 12.

Ballard, Robert G., Saugus, and J. E. Lundberg, Lynn, Mass., assignors to General Electric Company. Torque compensator. 2,662,410, Dec. 15.

Ballard, Robert J., West Newton, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,653,266, Sept. 22.

Ballard, Seaver A.: *See*—
Finch, Harry de V., and Ballard.
Whetstone, Richard R., and Ballard.

Ballard, Seaver A., Orinda, assignor to Shell Development Company, San Francisco, Calif. Fungicidal compositions and method of fungus control comprising hydrocarbyl-substituted pyrimidines. 2,649,397, Aug. 18.

Ballard, Seaver A., Orinda, and B. P. Geyer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of esters of beta-oxy aldehydes. 2,638,479, May 12.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, Emeryville, Calif. Sulfur and phosphorus-containing esters. 2,653,161, Sept. 22.

Ballard, Seaver A., and R. R. Whetstone, Orinda, assignors to Shell Development Company, Emeryville, Calif. 2-alkylphenyl-3,4,5,6-tetrahydropyrimidines. 2,658,895, Nov. 10.

Ballard, Stephen, Jr., and P. Renold, Colwall, Malvern, England. Means for grading articles by size. 2,661,840, Dec. 8.

Ballard, William E., Harborne, Birmingham, England. Control of electric arcs used in welding or metal spraying processes. 2,646,492, July 21.

Ballasch, Joseph G., San Diego, Calif. Shoe heel. 2,645,864, July 21.

Ballastran Corporation, assignee: *See*—
Kiltie, Ordean.

Ballauer, Alb C., Ferguson, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Yaw control for helicopters. 2,630,984, Mar. 10.

Ballber, Mariano, Paris, France. Needle loom. 2,657,714, Nov. 3.

Balleisen, Charles E., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Gun barrel cooling means. 2,641,162, June 9.

Ballenger, James M., Millington, N. J., assignor to Standard Oil Development Company. Fractionation and distillation tray structure. 2,652,239, Sept. 15.

Ballew, Harold W., Lubbock, Tex., and J. R. Ballew, Hobbs, N. Mex. Magnetic fishing tool. 2,657,752, Nov. 3.

Ballew, Julius R.: *See*—
Ballew, Harold W. and J. R.

Ballinger, Wallace A., Orinda, Calif. Mop having a mop holding and securing bolt. 2,650,382, Sept. 1.

Ballman, Edwin C., assignor to Ballman Engineering Company, Clayton, Mo. Electromagnetic switch. 2,629,031, Feb. 17.

Ballman, Edwin C., University City, assignor to Ballman Engineering Company, St. Louis, Mo. Brush holder. 2,648,023, Aug. 4.

Ballman, Edwin C., University City, assignor to Ballman Engineering Company, St. Louis, Mo. Resilient mounting for electric motors. 2,652,997, Sept. 22.

Ballman, Edwin C., assignor to Ballman Engineering Company, Clayton, Mo. Apparatus for riveting laminated structures for electrical apparatus. 2,653,208, Sept. 22.

Ballman Engineering Company, assignee: *See*—
Ballman, Edwin C.

Ballou, B. A., & Co. Incorporated, assignee: *See*—
Morehouse, Eugene.

Ballou, Byron O.: *See*—
Preist, Donald H., and Ballou.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Lock-off device for electric switches. 2,625,617, Jan. 13.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Electrical receptacle having screw-type socket and center contact guide. 2,644,143, June 30.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Electric switch. 2,649,514, Aug. 18.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Terminal construction for electrical apparatus. 2,662,221, Dec. 8.

Ballu, Vincent P. M., Epernay, assignor to Etablissements Edgar Brandt (Societe Anonyme), Paris, France. Implement attaching device for tractors. 2,651,248, Sept. 8.

Balluff, Carl E.: *See*—
Pedley, Howard L. and H. C., and Balluff.

Balluteen, Musa S., Brooklyn, N. Y. Cooking machine. 2,643,603, June 30.

Bally Case and Cooler Company, assignee: *See*—
Meicher, Cyril.

Balmain, Lester H., Fair Oaks, assignor of one-half to A. C. Turpen and one-half to J. L. Walden, Sacramento, Calif. Meat chopper with condiment adding means. 2,633,170, Mar. 31.

Balmer, Donald F., East River, Madison, assignor to The Soundscriber Corporation, New Haven, Conn. Stepback mechanism for dictating machine playback arms. 2,637,562, May 5.

Balmer, Donald F., East River, assignor to The Soundscriber Corporation, New Haven, Conn. Acoustic ear pendant. 2,641,327, June 9.

Balogh, Roy O.: *See*—
Humpal, Eugene G., and Balogh.

Balogh, Roy O., Cleveland, Ohio, assignor, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Ladder. 2,650,749, Sept. 1.

Balsiger, Harold E.: *See*—
Price, Ralph E., and Balsiger.

Balsiger, Harold E., assignor, by mesne assignments, to Landis Machine Company, Waynesboro, Pa. Grinding machine. 2,624,159, Jan. 6.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Car wheel grinder. 2,626,492, Jan. 27.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Precision locating device. 2,639,562, May 26.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Precision feed adjustment. 2,660,842, Dec. 1.

Balsiger, Harold E., Waynesboro, Pa., and R. E. Price, Highfield, Md., assignors to Landis Tool Company, Waynesboro, Pa. Crank grinding machine. 2,638,719, May 19.

Balthrop, Edward S., Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of and apparatus for winding yarns. 2,649,254, Aug. 18.

Baltimore Paper Company, assignee: *See*—
Winkler, Richard, and Dinnebier.

Balton, Charles A., assignor to S. A. Bucholtz, Buffalo, N. Y. Hydraulic system with an atmospheric pressure controlled accumulator. 2,632,999, Mar. 31.

Baltus, Anthony F.: *See*—
De Vau, Louis P., and Baltus.

Baltzly, Richard, New York, and J. C. Castillo, White Plains, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. N-benzohydryl-N-methyl piperazine and preparing same. 2,630,435, Mar. 3.

Balzeau, Charles A., Vaucresson, France. Mechanism for automatic annual date indicator. 2,647,359, Aug. 4.

Balzer, Abram P., Mountain Lake, Minn. Drive transmission for steerable tractor wheels. 2,644,540, July 7.

Balzer, Abram P., and J. A. Stoesz, Mountain Lake, Minn. Swather platform adjusting means. 2,638,728, May 19.

Balzer, Harvey W., Downers Grove, and P. Bakker, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic switch for telephone systems. 2,659,771, Nov. 17.

Bamber, John R., London, England, assignor, by mesne assignments, to Unifold Mailing Machines, Inc., Saginaw, Mich. Apparatus for separating sheets, envelopes, and the like. 2,634,125, Apr. 7.

Bame, Karl, Tiffin, Ohio. Door operated [illegible] 2,651,689, Sept. 8.

Bamert, Johann, Gibswil, assignor to Keller Neuthal, Gibswil, Switzerland. Leno-weave [illegible] 2,639,733, May 26.

Bamford, Arthur P., East Orange, N. J., assignor to Sperry Corporation, Long Island City, N. Y. [illegible] printing press. 2,637,270, May 5.

Bamford, Clement H., and W. E. Hanby, Ma[illegible] and F. Happey, Bingley, assignors to Courtaulds, Ited, London, England. Production of artifi[illegible] of polymeric materials. 2,628,886, Feb. 17.

Bamford, Frank L., Detroit, Mich. Rec[illegible] 2,639,620, May 26.

Bamford, William P., Maumee, and J. E. Jendri[illegible] ford, assignors to Libbey-Owens-Ford Glass [illegible] Toledo, Ohio. Bending mold for glass sheets [illegible] 2,633,673, Apr. 7.

Bamford, William P., Maumee, and J. E. Jendris[illegible] White, Rossford, assignors to Libbey-Owens-F[illegible] Company, Toledo, Ohio. Process and appa[illegible] bending and tempering glass. 2,646,647, July

Bancroft, Charles, New Canaan, Conn. Bank[illegible] motive vehicle. 2,641,480, June 9.

Bancroft, Joseph, & Sons Co., assignee: *See*—
Bromley, Frank.

Bandil, John C., assignor to Scott-Atwater Manu[illegible] Company, Minneapolis, Minn. Starter spring [illegible] tion. 2,659,454, Nov. 17.

Baner, Rawlings R., Monrovia, Calif. Appa[illegible] cooling and humidifying air. 2,653,803, Sept.

Banerjee, Dilip K.: *See*—
Johnson, William S., and Banerjee.

Banes, Fred W.: *See*—
Arundale, Erving, and Banes.

Banes, Fred W., Westfield, D. W. Young, Ro[illegible] A. J. Hund, Linden, N. J., assignors to Stan[illegible] Development Company. Polyvinyl chloride p[illegible] with isobutylene-diolefin-acrylonitrile [illegible] 2,636,866, Apr. 28.

Banes, Fred W., Westfield, W. P. Fitz-Gerald, [illegible] and J. F. Nelson, Rahway, N. J., assignors to [illegible] Oil Development Company. Sulfated alcohol d[illegible] from reaction product of primary monohydric [illegible] with ethylene. 2,655,525, Oct. 13.

Banes, Fred W., Westfield, A. M. Gessler, Cran[illegible] W. F. Fischer, Roselle Park, N. J., assignors [illegible] ard Oil Development Company. Blends of [illegible] diene and butadieneacrylonitrile copolymer. [illegible] Oct. 27.

Banes, Fred W., and S. B. Lippincott, Westfie[illegible] assignors to Standard Oil Development Compa[illegible] eral oil containing substituted polyolefins. [illegible] Nov. 24.

Baney, Harry N., L. A. C. Slentz, and A. A. Ki[illegible] Muncie, Ind., assignors to Borg-Warner Co[illegible] Chicago, Ill. Shaft cutting and centering [illegible] 2,633,039, Mar. 31.

Bangert, Charles, Jr.: *See*—
Hammerly, Herman J., and Bangert.

Bangs, Ralph C., Providence, R. I., assignor to [illegible] Separable catch for necklaces and the like. [illegible] Sept. 1.

Bangsbergh, Lester R., Dobbs Ferry, assignor [illegible] Mann, New York, N. Y. Film strip advancin[illegible] nism for projectors. 2,661,656, Dec. 8.

Banigan, Thomas F., Kenmore, N. Y., assignor [illegible] du Pont de Nemours and Company, Wilmin[illegible] Sizing of ethylene polymer structures. 2,653, [illegible] 22.

Banister, Charlie, Gillette, Wyo. Cement fe[illegible] 2,635,857, Apr. 21.

Banister, Guy, and L. S. Burns, assignors t[illegible] Greene Company, Aurora, Ill. Hydraulic [illegible] tem. 2,658,342, Nov. 10.

Bank, Albert M., Jersey City, and A. J. Katz, [illegible] N. J. Sofa bed. 2,642,583, June 23.

Bank of America National Trust and Savings As[illegible] assignee: *See*—
Peterson, Clarence J.

Bank of Commerce and Trust, executor: *See*—
Peple, Gustave A., Jr.

Bankauf, William F., East Paterson, N. J., as[illegible] Hewitt-Robins Incorporated, Buffalo, N. Y. [illegible] training idler. 2,655,251, Oct. 13.

Bankauf, William F., East Paterson, N. J., as[illegible] Hewitt-Robins Incorporated, Buffalo, N. Y. [illegible] idler for cord conveyer belts. 2,658,606, Nov.

Bankauf, William F., East Paterson, W. E. H[illegible] Maywood, and H. M. Ross, Wortendyke, N. J[illegible] ors to Hewett-Robins Incorporated, Buffalo, N. [illegible] bearing seal. 2,641,515, June 9.

Banker, Oscar H., Evanston, assignor to New [illegible] Corporation, Chicago, Ill. Clutch con[illegible] 2,641,344, June 9.

Banker, Oscar H., Evanston, assignor to New [illegible] Corporation, Chicago, Ill. Pedally controlle[illegible] operated vehicle brake applying apparatus. [illegible] June 16.

Banks, Charles T., Neenah, Wis., assignor to Int[illegible] Celiucotton Products Company, Chicago, Ill. [illegible] machine. 2,631,767, Mar. 17.

Banks, Clarence K.: *See*—
Sullivan, Marie-Jo, and Banks.

Banks, Leon D., Alpine, N. Y. Poultry watering device. 2,652,028, Sept. 15.

Banks, Mason K., Asheville, N. C., assignor to Tennessee Valley Authority. Froth flotation of iron-bearing minerals from feldspathic ores. 2,633,241, Mar. 31.

Banks, Millard S., New York, N. Y. Soap package. 2,637,439, May 5.

Banks, Waldo H.: *See*—
Budzyna, Walter J., and Banks.

Bannen, John A., Bronx, N. Y. Rail trailer carrier. 2,638,852, May 19.

Banner, Robert G.: *See*—
Perrin, Tom S., and Banner.

Banner, Robert G., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Removal of halide ions from chromate liquors. 2,639,216, May 19.

Banning, Lloyd H., and W. E. Anable, Albany, Oreg., assignors to the United States of America as represented by the Solicitor of the Department of the Interior. Tristage crystallization and hydrolysis process for recovering vanadium phosphorus, and chromium from ferrophosphorus and like materials. 2,654,655, Oct. 6.

Bannister, Bryant, Pittsburgh, Pa., assignor to United States Steel Corporation. Pipe cooling arrangement for high-speed continuous mills. 2,658,257, Nov. 10.

Bannister, Clyde E., Houston, Tex. Parachute-equipped helicopter. 2,657,880, Nov. 3.

Bannister, Harold V., Waverly, Iowa, assignor, by mesne assignments, to Continental Belton Company, Belton, Tex. Stalk cutter and shredder. 2,633,687, Apr. 7.

Bannister, John J., Newark, N. J. Pliers. 2,630,034, Mar. 3.

Bannister, Lawrence H.: *See*—
Uttley, Albert M., Noble, Bannister, and Ord.

Bannister, Le Roy D., Lake Placid, N. Y. Portable milking stool. 2,631,652, Mar. 17.

Bannister, Luther C.: *See*—
Orr, Clifford M., and Bannister.

Bannon, Edward F.: *See*—
Ezzy, Maron J., and Bannon.

Bannon, Thomas C., assignee: *See*—
Spencer, Lloyd.

Bannon, Thomas C., Altadena, assignor of fifty per cent to L. Spencer, Los Angeles, Calif. Means and method of removing cores. 2,638,323, May 12.

Bannon, Thomas C., Altadena, and L. Spencer, South Pasadena, assignors of thirty-three and one-third per cent to J. D. Chesnut, Newport Beach, Calif. Gun perforator actuator. 2,638,981, May 19.

Banscher, Fritz, Basel, Switzerland. Burner for liquid fuel. 2,646,109, July 21.

Bantar, Incorporated, assignee: *See*—
McBride, John W.

Banthin, John F., Bridgeport, Conn. Automatic shut-off for printing presses. 2,626,563, Jan. 27.

Banthin, John F., Bridgeport, Conn. Safety stop for bed and cylinder printing presses. 2,626,564, Jan. 27.

Baptist, Victor P., Stamford, assignor to Pitney-Bowes, Inc., Stamford, Conn. Serial number printing control device. 2,629,320, Feb. 24.

Bär, Max, Augsburg-Goggingen, assignor to "Knotex" Maschinenbau G. m. b. H., Augsburg-Stadtbergen, Germany. Thread gripper. 2,656,583, Oct. 27.

Barabash, Elizabeth: *See*—
White, Blanche B., and Barabash.

Barabutes, Nena K.: *See*—
Eberhart, Dale R., and Barabutes.

Barach, Edmund, Ridgefield, Conn., assignor to O. E. M. Corporation. Oxygen mask. 2,647,511, Aug. 4.

Baracket, Albert J., Bloomfield, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Delay line. 2,631,232, Mar. 10.

Baran, Eustachius O., Staten Island, N. Y. Double pneumothoracic needle. 2,630,803, Mar. 10.

Barash, Robert F., Arlington, Va. Game apparatus for simulating a roller derby. 2,653,027, Sept. 22.

Baratelli, Charles A., Woodstock, Conn., and R. C. Reed, Sturbridge, assignors to American Optical Company, Southbridge, Mass. Eye protective device. 2,630,569, Mar. 10.

Barbara, Jack L., Port Jervis, N. Y. Smoke diffuser for mouthpieces. 2,649,094, Aug. 18.

Barbaras, Glen D., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous asbestos dispersion and producing same. 2,661,287, Dec. 1.

Barbaras, Glen D., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Forming asbestos products from polyvalent ion dispersed asbestos. 2,661,288, Dec. 1.

Barbaro, Anthony F., Glendale, Calif. Apparatus for dispensing fluid. 2,655,286, Oct. 13.

Barbaro, Joseph, Boston, Mass. Relining brakes. 2,641,379, June 9.

Barbato, Robert C., New York, N. Y. Iris type valve construction. 2,649,272, Aug. 18.

Barbee, Floyd R., San Gabriel, Calif. Paring knife having water discharging means. 2,656,600, Oct. 27.

Barbee, Roy T., and M. B. Wiley, assignors to F. W. Orr, trustee, Charlotte, N. C. Machine for producing transposition charts. 2,631,711, Mar. 17.

Barber-Colman Company, assignee: *See*—
Crandall, Charles B., and Townsend.
Drake, Russell P.
Drnek, John L.
Glassow, Franklyn A.
Hoel, Wendell W.
Kennedy, Walter W.
Nakasone, Robert T.
Peterson, Burt A.
Schneider, Elmer.
Semm, Paul T.
Stibitz, George R.
Sweger, Russell P.
Kennedy, Walter W.

Barber, Edmund A., Jr.: *See*—
Gibbon, John H., Jr., Malmros, Engstrom, and Barber.
Malmros, Gustav V. A., and Barber.
Malmros, Gustav V. A., Barber, and Engstrom.

Barber, Edmund A., Jr., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Receiver for card ejecting and stacking mechanism. 2,631,039, Mar. 10.

Barber, Edwin J., Newport, assignor to Hercules Powder Company, Wilmington, Del. Coated paper and making same. 2,640,790, June 2.

Barber, Edwin J., Newport, assignor to Hercules Powder Company, Wilmington, Del. Coated paper. 2,640,791, June 2.

Barber, George H.: *See*—
Abbott, John A., Barber, Newman, and Schindler.

Barber-Greene Company, assignee: *See*—
Banister, Guy, and Burns.
Smith, Paul A.

Barber, Harry J., assignor to May & Baker Limited, Dagenham, England. Quaternary ammonium salts. 2,641,610, June 9.

Barber, Harry J., assignor to May & Baker Limited, Dagenham, England. Hexamethylene-1 : 6-bis-trimethylammonium bitartrate. 2,661,370, Dec. 1.

Barber, Hiram L., Newton, and G. L. Sellars, Milford, Ohio. Jaw crusher. 2,626,759, Jan. 27.

Barber, Louis D., Burbank, Calif. Well perforator. 2,638,165, May 12.

Barber, Merlin E., Decatur, Ill. Compression by-pass and wrench device. Re. 23,748, Dec. 1.

Barber, Nathan B., Jr.: *See*—
Drapeau, Joseph E., Jr., and Barber.

Barber, Ralph F.: *See*—
Corley, Mark H., Arvidson, and Barber.

Barber, Robert R., Idlewylde, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling materials. 2,626,093, Jan. 20.

Barber, Robert S., New London, Conn. Detachable handle for containers. 2,626,174, Jan. 20.

Barbier, Henri B. R., Givry, par Jouet-sur-l'Aubois, France. Universal joint. 2,646,669, July 28.

Barbisch, Alfred A., Port Angeles, Wash. Sleeve puller. 2,650,419, Sept. 1.

Barbour, Samuel H.: *See*—
Schwartz, Albert J., and Barbour.

Barch, William E., Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Composition for coloring margarine. 2,652,334, Sept. 15.

Barclay Pharmaceutical Products Company, Inc., assignee: *See*—
Fallon, John E.

Barclay, Robert E., Los Angeles, assignor to Helipot Corporation, South Pasadena, Calif. Potentiometer. 2,657,295, Oct. 27.

Barclay, Sidney F., Manchester, England, assignor to Grinnell Corporation, Providence, R. I. Fire detection apparatus. 2,632,885, Mar. 24.

Barclay, William L., Jr.: *See*—
Purifoy, George R., and Barclay.

Barclay, William L., Jr., Scarsdale, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic-braking control. 2,637,008, Apr. 28.

Barco, Allen A., Princeton, N. J., assignor to Radio Corporation of America. Electron tube voltage protection circuit. 2,627,051, Jan. 27.

Barco, Allen A., W. H. Bliss, and M. M. Carpenter, Jr., Princeton, N. J., assignors to Radio Corporation of America. Simplified color television receiver. 2,649,499, Aug. 18.

Barcus, Edward L.: *See*—
Michel, Clarence A., Mead, Diedring, and Barcus.

Bard, Andrew, San Bernardino, Calif. Seat cover with changeable sections. 2,627,303, Feb. 3.

Bard, Francis N., assignee: *See*—
Wilson, Thomas H., and Richardson.

Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.

Bardeen, Thomas, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Suspension system for seismograph detectors. 2,657,374, Oct. 27.

Barden, Carl G., Woodland, Calif. Side rack for vehicles. 2,646,909, July 28.

Bardet, Gérard, Paris, France. Vibratory device for controlling discharge from a hopper containing a powdered or a small-size granular homogeneous substance. 2,649,224, Aug. 18.

Bardons and Oliver, Inc., assignee: *See*—
Kylin, Henrik O.

Bardugon, Madeline M., Verona, N. J. Cosmetic applicator. 2,627,621, Feb. 10.

Barecki, Chester J., assignor to American Seating Company, Grand Rapids, Mich. Writing shelf for chairs. 2,637,367, May 5.

Bareford, Robert E., Burbank, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Manometric accelerometer. 2,662,956, Dec. 15.

Bareham, Eric G., Shirley, Birmingham, and W. Layland, Kings Heath, Birmingham, assignors to The Austin Motor Company Limited, Birmingham, England. Carburetor. 2,646,265, July 21.

Barényi, Béla, Stuttgart-Rohr, Germany. Seating arrangement for vehicles. 2,647,791, Aug. 4.

Barényi, Béla, Stuttgart-Rohr, Germany. Leaf spring for motor vehicles. 2,654,597, Oct. 6.

Barer, David, assignee: *See*—
Force, Albert J., Jr.

Baretta, Emilio: *See*—
Legat, Robert C., and Baretta.

Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.

Barford, Norman C.: *See*—
Broadway, Leonard F., Barford, and Pearce.
Pearce, Albert F., and Barford.

Bargen, William J., Waukegan, Ill. School desk. 2,624,392, Jan. 6.

Bargen, William J., Waukegan, Ill. Furniture top to frame connections. 2,657,965, Nov. 3.

Bargen, William J., Waukegan, Ill. Book holder and desk top. 2,661,569, Dec. 8.

Bargen, William J., Waukegan, Ill. Bookholder. 2,662,333, Dec. 15.

Bargewell, Clayton E., assignee: *See*—
Redlind, John O.

Barghausen, Louis H., Pittsburgh, Pa. Artificial limb knee structure. 2,645,779, July 21.

Barillier, Lowrie C.: *See*—
Kestner, William N., Kohlfeldt, and Barillier.

Barium Development Corporation, assignee: *See*—
Herbert, Arthur C.

Barkalow, Clare E., Huntington, N. Y., assignor to The Sperry Corporation. Gyroscopic rotor frame. 2,641,132, June 9.

Barkalow, Clare E., Huntington, and T. A. Early, Jr., Sea Cliff, N. Y., assignors to The Sperry Corporation. Caging device for attitude gyroscopes. 2,641,133, June 9.

Barkau, Fred H., assignor to Teleprompter Corporation, New York, N. Y. Television prompting apparatus. 2,635,373, Apr. 21.

Barkdoll, Joseph P., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Carriage feeding escapement mechanism. 2,649,179, Aug. 18.

Barkelew, Richard C., Sierra Madre, Calif. Sealing means for fluid valves. 2,661,925, Dec. 8.

Barker, Alvin, Cincinnati, Ohio. Novelty greeting card. 2,645,481, July 14.

Barker, Charles L., Dundalk, and R. G. Gavlak, Baltimore County, assignors to The Glenn L. Martin Company, Middle River, Md. Releasable fin assembly. 2,656,135, Oct. 20.

Barker, Edward D., New Carlisle, Ohio. Mat for tents. 2,627,864, Feb. 10.

Barker, John L., Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated. Radio echo apparatus for detecting and measuring the speed of moving objects. 2,629,865, Feb. 24.

Barker, John L., Norwalk, assignor to Eastern Industries, Incorporated, East Norwalk, Conn. Frequency responsive apparatus. 2,641,707, June 9.

Barker, John W., Silver Spring, Md., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for flowing gases through beds of fluent granular solids. 2,625,467, Jan. 13.

Barker, John W., Silver Spring, Md., assignor to Houdry Process Corporation, Philadelphia, Pa. Process and apparatus for the disengagement of gases from fluent solid particles in the conversion of hydrocarbons. 2,647,859, Aug. 4.

Barker, Lawrence J., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Heat treatment of aluminum alloys. 2,658,845, Nov. 10.

Barker, Leonard M., North Syracuse, N. Y., assignor to General Electric Company. Drive mechanism. 2,647,752, Aug. 4.

Barker, Lyle M., Clifton, and O. E. Young, Morenci, Ariz., assignors to Phelps Dodge Corporation, New York, N. Y. Flotation recovery of molybdenite. 2,664,199, Dec. 29.

Barker, Maurice E., Washington, D. C. Container for holding and dispersing incendiary articles which contain phosphorous. 2,643,928, June 30.

Barker, Melvin G., Highland Park, Ill. Animated advertising display. 2,631,395, Mar. 17.

Barker, Paul L., Detroit, Mich. Spring chair construction. 2,658,555, Nov. 10.

Barker Poultry Equipment Co., assignee: *See*—
Crane, Edward.

Barker Poultry Equipment Company, assignee: *See*—
Sharp, Allen W.
Swanson, Oscar W.

Barker, Ray C., Wichita, Kans. Fuse holder. Dec. 15.

Barker Saw Company, assignee: *See*—
Smith, Albert P.

Barker, Smith and Company, assignee: *See*—
Galluppi, Bernardino F.

Barker, William A., Leicester, England, assigno
Shoe Machinery Corporation, Flemington,
tener-inserting machine. 2,655,655, Oct. 20.

Barkey, Herman D., Ferguson, assignor to McI
craft Corporation, St. Louis, Mo. Parasit
trieving and towing mechanism. 2,653,777,

Barkey, Joseph S., Brooklyn, N. Y. Marionette.
Sept. 22.

Barkley, Dwight W., New Kensington, Pa.,
Libbey-Owens-Ford Glass Company, Tol
Prismatic antiglare rearview mirror device.
Mar. 17.

Barkley, Robert Y, Weems, Va. Sheave block
able eye. 2,639,891, May 26.

Bark-Off Corporation, The, assignee: *See*—
Boswell, John R.

Barkow, Eugene V.: *See*—
Ashton, Benjamin N., and Barkow.

Barkschat, Eric, Chicago, Ill. Exercising app
cabinet. 2,632,645, Mar. 24.

Barksdale, Malvin M., Amity, Ark. Hydrau
trolled feed for sawmills. 2,648,359, Aug. 1

Barkson, Joseph A.: *See*—
Mason, Russell I., Barkson, and McNary.

Barley, Leo D., Dayton, assignor to Harris-Se
pany, Cleveland, Ohio. Hydraulic cuttin
2,649,153, Aug. 18.

Barlow, Alfred C., Parkway, Hillingdon, W. G.
ter, Hayes, J. B. Cameron, Hounslow, and J.
Isleworth, assignors to The Fairey Aviatio
Limited, Hayes, England. Molding thermos
thetic resin materials. 2,646,380, July 21.

Barlow, Benjamin W., Wembley, and A.
Greenford, assignors to D. Napier & Son Li
don, England. Connecting rod end bearin
2,661,253, Dec. 1.

Barlow, Thomas E., Jackson, Ohio, assignor
assignments, to International Minerals & Ch
poration, Chicago, Ill. Foundry composition
od. 2,657,113, Oct. 27.

Barlow, Wallace D., Hyattsville, Md. Parking
vehicles. 2,627,920, Feb. 10.

Barmer Maschinenfabrik Aktiengesellschaft,
See—
Grein, Hermann.

Barna, Joseph: *See*—
Hanson, Erick L., and Barna.

Barna, Joseph A., Detroit, assignor to Dearb
Corporation, Highland Park, Mich. Scra
for disk type implements. 2,649,724, Aug. 2

Barnaby, Roland E.: *See*—
Lyman, Joseph, Barnaby, and Proskauer.

Barnard, Leon J.: *See*—
Arms, Merton H., and Barnard.

Barnard, Lyle Z.: *See*—
Cooke, Charles S., and Barnard.

Barnard, Paul J., Rockford, Ill. Rubber go
hollow base. 2,661,213, Dec. 1.

Barnard, Randolph H., Waterville, assignor,
assignments, to Reconstruction Finance C
Cleveland, Ohio. Nonwoven film coat
2,637,673, May 5.

Barnard, William J., Onawa, Iowa. Combinat
tally and vertically swinging gate. 2,662,3

Barnas, John A. Detroit, Mich. Grille guar
mobiles. 2,650,126, Aug. 25.

Barnby, Herbert A., and O. Bjering, Toledo
signors to Owens-Illinois Glass Company.
closing machinery. 2,630,952, Mar. 10.

Barnes, Alfred E.: *See*—
Barlow, Benjamin W., and Barnes.

Barnes, Arthur W., Tewin, England, assignor
Chemical Industries Limited. Iodoform as
vinyl chloride polymerization. 2,647,107, J

Barnes, Brunner C., Dallas, Tex., assignor, by
signments, to Socony-Vacuum Oil Compan
rated, New York, N. Y. Stabilizing ra
2,663,669, Dec. 22.

Barnes, Byron H., Los Angeles, Calif.
2,648,862, Aug. 18.

Barnes, Carl E.: *See*—
Ney, William O., Jr., Nummy, and Barnes

Barnes, Charles H., Glendale, and F. Grosse,
Calif., assignors, by mesne assignments, to
Company, Newark, N. J. Paint roller cover.
Apr. 28.

Barnes, David K., assignor to Stanolind Oil an
pany, Tulsa, Okla. Purification of alcohols
oxidizable impurities. 2,631,970, Mar. 17.

Barnes Drill Co., assignee: *See*—
Casson, Kenneth H.

Barnes, Frank A., Butte, Mont. Wallet.
Feb. 10.

Barnes, Frank T., Gary, Ind. Device for atomi
2,636,780, Apr. 28.

Barnes, Freda A., assignee: *See*—
Barnes, William B.

Barnes, Frederick J., Richmond, Va. Tire chain mechanism. 2,634,780, Apr. 14.

Barnes, George W., Jr., Clifton Heights, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric control circuit and recorder. 2,635,426, Oct. 13.

Barnes, Gerald S., Dunkirk, N. Y. Brake applying hitch device. 2,633,942, Apr. 7.

Barnes, Gwynn D., San Antonio, Tex. Dip stick wiper. 2,654,109, Oct. 6.

Barnes, Harold L.: *See*—
Schoenbaum, Alexander W., and Barnes.

Barnes, James I.: *See*—
Myers, Harold C., Pukkila, and Barnes.

Barnes, James I., Mickleton, and A. O. Pukkila, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of wax from residual lubricating oil. 2,642,378, June 16.

Barnes, Jeffery W., Farnborough, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Navigational instrument. 2,627,180, Feb. 3.

Barnes, Joe, Columbus, Ohio. Mold liner for type casting machines. 2,626,044, Jan. 20.

Barnes, John, Milwaukee, Wis. Washing machine for agitating clothes and cleansing liquid by the use of air jets submerged in said cleansing liquid. 2,651,191, Sept. 8.

Barnes, John W., assignor to Argus Cameras, Inc., Ann Arbor, Mich. Extension cord set. 2,634,309, Apr. 7.

Barnes & Jones, Incorporated, assignee: *See*—
Fernald, Charles F.

Barnes, Lawrence Y., Jarratt, Va. Peanut stacking rack. 2,629,497, Feb. 24.

Barnes, Malcolm H., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Synthetic gem production. 2,634,554, Apr. 14.

Barnes Manufacturing Co., assignee: *See*—
Smith, Edward M.

Barnes, Marion W., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Modified up-draft type of heaters. 2,625,916, Jan. 20.

Barnes, Marion W., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Fluid heating apparatus. 2,625,917, Jan. 20.

Barnes, Marion W., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,655,136, Oct. 13.

Barnes, Marshall C., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Packaging empty bags. 2,659,187, Nov. 17.

Barnes, Randal P., San Francisco, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking control. 2,629,849, Feb. 24.

Barnes, Randolph C., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Safety control for engine governors. 2,645,474, July 14.

Barnes, Randolph C., assignor to Caterpillar Tractor Co., Peoria, Ill. Centrifugal governor having weights successively supported by spaced pivots. 2,646,978, July 28.

Barnes & Reinecke, Inc., assignee: *See*—
Spannhake, Ernst W.

Barnes, Robert B., Stamford, and W. A. Fraser, Ridgefield, Conn., assignors to American Optical Company, Southbridge, Mass. Glasses, compositions thereof, articles embodying said glasses, and making and using the same. 2,655,452, Oct. 13.

Barnes, Thomas F., Chicago, Ill. Cylindrical container and making same. 2,638,820, May 19.

Barnes, William A.: *See*—
Zeidler, Reinhold C., and Barnes.

Barnes, William A., Utica, N. Y., assignor to Utica Drop Forge & Tool Corporation. Slidable side jaw wrench. 2,643,569, June 30.

Barnes, William B., assignor, by mesne assignments, of three-fourths to himself and one-fourth to F. A. Barnes, Muncie, Ind. Automatic transmission. 2,651,949, Sept. 15.

Barnes, William E.: *See*—
Chaney, Preston E., and Barnes.

Barnett, Benjamin G., assignee: *See*—
Barton, William A.

Barnett, Guy F., and W. H. Chudleigh, Jr., assignors to Philco Corporation, Philadelphia, Pa. Traveling wave tube attenuator. 2,626,371, Jan. 20.

Barnett, Harry, Glencoe, and E. Saballus, assignors to The Powers Regulator Company, Chicago, Ill. Automatic reset restriction valve. 2,649,112, Aug. 18.

Barnett, Harry, Glencoe, assignor to The Powers Regulator Company, Chicago, Ill. Mixing valve. 2,650,604, Sept. 1.

Barnett, Leonard, Leeds, England. Combustion air preheating and admitting means for furnaces. 2,631,554, Mar. 17.

Barnett, Louis H., and H. Brin, assignors to Loma Plas-

Barney, Arthur L., and P. S. Pinkney, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aromatic substituted halo-butynes. 2,657,244, Oct. 27.

Barney, Freeman, Spring Lake, assignor to The Challenge Machinery Company, Grand Haven, Mich. Proof press paper gripper. 2,627,226, Feb. 3.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage and current bias of transistors. 2,647,958, Aug. 4.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inverted grounded emitter transistor amplifier. 2,659,773, Nov. 17.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bidirectional transistor amplifier. 2,659,774, Nov. 17.

Barney, Kay H., Great Neck, N. Y., assignor to The Sperry Corporation. Null balance indicator. 2,632,886, Mar. 24.

Barnhard, Harold J., Croton-on-Hudson, assignor to Package-Servease Corp., Buchanan, N. Y. Apparatus for packing articles on a standard. 2,629,530, Feb. 24.

Barnhart, Mearl L., Vincent, Tex. Apparatus for measuring suspended pipe sections upon derricks. 2,654,155, Oct. 6.

Barnhart, Robert: *See*—
Mazur, Paul M., and Barnhart.

Barnhart, Vern A., Athens, Ohio. Hollow masonry building unit. 2,660,878, Dec. 1.

Barnsteiner, Alfons: *See*—
Ingraham, James W., and Barnsteiner.

Barnsteiner, Alfons, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oven liner. 2,644,443, July 7.

Barnum, William B., Medford, Oreg. Loading conveyer. 2,634,870, Apr. 14.

Barocca, Aldo J., and G. and F. R. Seavey, Alton, assignors to Olin Industries, Inc., East Alton, Ill. Blasting cap. 2,660,118, Nov. 24.

Baroch, Charles T.: *See*—
Hilliard, Robert V., and Baroch.

Baron, Charlotte M., Toledo, Ohio. Colostomy device. 2,652,055, Sept. 15.

Baron, Leonard: *See*—
Rabkin, William, and Baron.

Baron, Stanley J., Rantoul, Ill. Skate sharpening device. 2,635,397, Apr. 21.

Barone, M. E., assignee: *See*—
Butler, Charles W.

Barone, Saul C., Petaluma, Calif. Duplicating engraving machine. 2,636,421, Apr. 28.

Baroody, Naseeb B., Jr., Florence, S. C. Tie clasp with interchangeable slides. 2,655,751, Oct. 20.

Barothy, Charles F., Indianapolis, Ind., assignor to Western Electric Company, Incorporated, New York, N. Y. Tiltable holder for supply pans. 2,648,465, Aug. 11.

Barowsky, Nathan, Holyoke, assignor to American Machinery Company, Willimansett, Mass. Clamping device for irregularly shaped workpieces. 2,658,415, Nov. 10.

Barr, Arthur C., Madison, Wis. Shade roller bracket fixture. 2,633,322, Mar. 31.

Barr, Elliott M., assignor to Taylor Instrument Companies, Rochester, N. Y. Synchronously-operated switch. 2,635,155, Apr. 14.

Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Fluid contacting apparatus. 2,629,653, Feb. 24.

Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Production of water gas. 2,657,987, Nov. 3.

Barr, Frank T., Summit, and W. A. Rex, Westfield, N. J., assignors to Standard Oil Development Company. Heat exchange of fluidized solids with gases and vapors. 2,626,234, Jan. 20.

Barr, Frank T., Summit, and K. J. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Production of water gas. 2,657,986, Nov. 3.

Barr, George, assignor to A. V. Smith, New York, N. Y. Musical instrument. 2,654,283, Oct. 6.

Barr, Guy, Teddington, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Preparation of beryllium fluoride. 2,653,856, Sept. 29.

Barr, John M., Rochester, N. Y., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Fuel supply control system for intermittent jet engines. 2,638,739, May 19.

Barr, John M., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Diaphragm. 2,638,930, May 19.

Barr, John M., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Diaphragm. 2,638,931, May 19.

Barr, Robert L., Glenview, and E. G. Hills, Chicago, Ill., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,650,672, Sept. 1.

Barr, Roger D., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Distillation of sweetened petroleum distillates. 2,636,842, Apr. 28.

Barr, Roy E., Childress, Tex. Means for forming molds. 2,660,768, Dec. 1.

Barr Rubber Products Company, The, assignee: *See*—
Lawson, George S. and J. C.

Barr & Stroud, Limited, assignee: *See*—
French, James W.

Barr, Victor L., Philadelphia, Pa., assignor to Roller Bearing Company of America, Trenton, N. J. Antifriction carriage roller. 2,643,162, June 23.

Barr, Victor L., Philadelphia, Pa., assignor to Roller Bearing Company of America, Trenton, N. J. Roller bearing for compensating shaft misalignment. 2,659,637, Nov. 17.

Barradell-Smith, Richard: *See*—
Davison, Richard, and Barradell-Smith.

Barradell-Smith, Richard, and R. Davison, St. Helens, assignors to Pilkington Brothers Limited, Liverpool, Lancaster County, England. Apparatus for transmitting and amplifying motion of a known frequency of oscillation and suppressing superimposed motions of other frequencies of oscillation. 2,637,167, May 5.

Barrango, Carmen, San Francisco, Calif. Articulated limb for manikins. 2,632,586, Mar. 24.

Barre, Wade E., Jr., Warren, Pa., assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lamp holder. 2,656,521, Oct. 20.

Barrell, Robert F.: *See*—
Hartwig, Edward C., and Barrell.
Large, William E., and Barrell.

Barret, Pierre M. R., Marseille, assignor to Centre National de la Recherche Scientifique, Paris, France. Production of aerosols. 2,658,169, Nov. 3.

Barret, William M., Shreveport, La. Prospecting with timed electric energy. 2,659,882, Nov. 17.

Barret, William M., assignor to Engineering Research Corporation, Shreveport, La. Transmitting and receiving apparatus and method for electromagnetic prospecting. 2,661,466, Dec. 1.

Barrett, Arthur L.: *See*—
Rollins, Lester G., and Barrett.

Barrett, Arthur L., Franklin, Pa. Rail joint. 2,657,863, Nov. 3.

Barrett, Arthur L., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Vein disintegrating mechanism having side boards. 2,634,963, Apr. 14.

Barrett, Arthur L., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Material receiving, storing, and discharging apparatus. 2,637,457, May 5.

Barrett, Claudius S., Palos Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Average computer. 2,642,223, June 16.

Barrett, Edwin W.: *See*—
Gardner, Roland M., Gartner, and Barrett.

Barrett, Elton T., assignee: *See*—
Wunderlich, Friedrich.

Barrett, Gerald R., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerizing styrene and maleic compounds. 2,640,819, June 2.

Barrett, Grant F., assignor to General Machinery Co., Spokane, Wash. Keg washing apparatus. 2,634,734, Apr. 14.

Barrett, Harold W.: *See*—
Smith, Sidney R., and Barrett.

Barrett, Harry B., St. Louis, Mo. Brake lining clamp. 2,646,836, July 28.

Barrett, Harry B., St. Louis, Mo. Brake shoe bonding machine. 2,649,132, Aug. 18.

Barrett, Harry B., St. Louis, Mo. Brake drum lathe. 2,663,975, Dec. 29.

Barrett, Hilliard E., East Orange, S. J. Hall, Lodi, and W. C. Schaffer, Fair Lawn, N. J., assignors to Curtiss-Wright Corporation. Fluid pressure speed sensing device. 2,657,699, Nov. 3.

Barrett, Paul A., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation of amino ketones. 2,649,444, Aug. 18.

Barrett, Richard W., Cincinnati, Ohio. Self-service store. 2,628,691, Feb. 17.

Barrett, Robert S.: *See*—
Smith, Justin H., and Barrett.

Barrett, Walter A., Fort Wayne, Ind. Bottle capping machine. 2,641,398, June 9.

Barrett, Walter P., assignee: *See*—
Hunt, John W.

Barrett, William K.: *See*—
Matson, William U., and Barrett.

Barricelli, Domenico, Genoa, Italy. Trestle boat-davit of the rotation and gravity type. 2,650,377, Sept. 1.

Barrie, Jack, Scarsdale, N. Y. Securing device for wal-

Barris, Pierre G. M., Paris, France. Apparatus for ing masses of thermal energy. 2,633,716, Apr.

Barris, Pierre G. M., Paris, France. Process a ratus for bringing an object to a given tem 2,638,759, May 19.

Barron, Fred E., assignor to The Maico Compan porated, Minneapolis, Minn. Tone interrupte diometers. 2,625,613, Jan. 13.

Barron, Fred E., assignor to The Maico Compan porated, Minneapolis, Minn. Automatic powe limiting control system for audiometers. Dec. 15.

Barron, John T., assignor to Charles Crofoot Ge South Easton, Mass. Rotary pressure fi 2,653,833, Sept. 29.

Barrons, Keith C., assignor to The Dow Chemi pany, Midland, Mich. Method and compositio control of undesired vegetation. 2,642,354, Ju

Barrott, William E., Sr.: *See*—
Barrott, William E., Jr., and W. E. Barrott,

Barrott, William E., Jr., and W. E. Barrott, Sr Ind. Casket carrying truck. Re. 23,718, Sep

Barrow, James R., assignor to Columbiana Bo pany, Columbiana, Ohio. Electrode holder. Nov. 3.

Barrows, Raymond H., Johnson City, assignor national Business Machines Corporation, N N. Y. Clock synchronizing apparatus. Sept. 8.

Barrows, Stephen S., Minneapolis, Minn. Magn strument for precision measuring devices. Sept. 8.

Barry, Arthur J., assignor to Dow Corning Co Midland, Mich. Production of arylh 2,626,266, Jan. 20.

Barry, Arthur J., assignor to Dow Corning Co Midland, Mich. Production of arylh 2,626,267, Jan. 20.

Barry, Arthur J., assignor to Dow Corning Co Midland, Mich. Aromatic halosilanes. 2,626 20.

Barry, Arthur J., assignor to Dow Corning Co Midland, Mich. Siloxane silica composition. July 14.

Barry, Arthur J., Midland, L. De Pree, Holland, Hook, assignors to The Dow Chemical Comp land, Mich. Synthesis of aliphatic silanes. Jan. 20.

Barry, Arthur J., and D. E. Hook, Midland, and Holland, assignors to The Dow Chemical Midland, Mich. Production of organoh 2,626,271, Jan. 20.

Barry, Arthur J., and J. W. Gilkey, assigno Corning Corporation, Midland, Mich. Prep organochlorosilanes. 2,628,243, Feb. 10.

Barry, Arthur J., and J. W. Gilkey, assigno Dow Chemical Company, Midland, Mich. Pr dimethyl silicon dichloride. 2,647,912, Aug.

Barry, Arthur W., assignor to E. I. du Pont d and Company, Wilmington, Del. Prepa ethylene polymers. 2,646,425, July 21.

Barry, Arthur W., Charleston, W. Va., and F. Jr., assignors to E. I. du Pont de Nemours & Wilmington, Del. Packaging of tacky 2,639,808, May 26.

Barry, Arthur W., Los Angeles, Calif. Self-le ture frame hanger. 2,635,840, Apr. 21.

Barry Corporation, The, assignee: *See*—
Lambert, Frank, Jr., and Crede.

Barry, John J., Evanston, Ill., and W. B. Retz, assignors to The New Britain Machine Com Britain, Conn. Machine tool. 2,639,492,

Barry, Joseph F., Summit, and D. M. Rugg Tabor, N. J., assignors to Bell Telephone La Incorporated, New York, N. Y. Crystal unit. July 7.

Barry, Leonard D., Detroit, Mich. Port 2,640,612, June 2.

Barry, Richard H.: *See*—
Walter, Lewis A., Barry, and Clark.

Barry, Rufus E., Chickasha, Okla. Tobacco p arette holder. 2,639,717, May 26.

Barry-Wehmiller Machinery Company, assignee Herold, James L.
Wehmiller, Frederick W.
Wehmiller, Frederick W., and Nekola.

Barsby, Edward S., and A. P. Saunders, a Wildt and Company Limited, Leicester, Eng knitting machine. 2,656,694, Oct. 27.

Barske, Ulrich M. W., Farnborough, assigno Limited, Leamington Spa, Warwickshire Fluid seal. 2,646,999, July 28.

Barsky, George: *See*—
Molteni, Henry A., Masarky, and Barsky.

Barsky, Marie: *See*—
Rivoche, Eugene, and Barsky.

Barsness, John G., Black Earth, Wis. Foldi

Barstow, Charles E., Portland, A. H. Barstow, Oceanlake, and A. K. Barstow, Portland, Oreg. Combined plow and soil pulverizer. 2,638,042, May 12.

Barstow, Ormond, assignor to The Dow Chemical Company, Midland, Mich. Freezing point recorder. 2,635,456, Apr. 21.

Barsy, Imre J., assignor to Armstrong Cork Company, Lancaster, Pa. Temperature - responsive device. 2,631,220, Mar. 10.

Bart, Siegfried G., Essex Fells, N. J. Rubber-backed propeller. 2,637,404, May 5.

Bartch, James C., Flat River, and G. W. Couch, Rivermines, Mo. Cooling system for internal-combustion engines. 2,634,713, Apr. 14.

Barteh, James C., Flat River, and G. W. Couch, Rivermines, Mo. Bearing and means for lubricating same. 2,645,535, July 14.

Bartelink, Everhard H. B., Bronxville, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Short-wave directional radio communication system. 2,641,755, June 9.

Bartell, Ernest J., Rome, N. Y. Apparatus for grinding the needles of die drilling machines. 2,655,768, Oct. 20.

Bartell, Floyd E., Ann Arbor, Mich., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,648,309, Aug. 11.

Bartelt, Donald E., assignee: *See*—
Bartelt, Harold L.

Bartelt, Harold L., Rockford, Ill., assignor of 45 per cent to D. E. Bartelt. Method of and machine for packaging material in an inert gaseous atmosphere. 2,649,671, Aug. 25.

Bartelt, Harold L., Rockford, Ill., assignor of 45 per cent to D. E. Bartelt. Packaging machine. 2,649,673, Aug. 25.

Bartelt, Harold L., Rockford, Ill. Quick opening bag. 2,643,049, June 23.

Bartelt, Harold L., Rockford, Ill., assignor of 45 per cent to D. E. Bartelt. Packaging machine. 2,649,674, Aug. 25.

Bartes, August, Jr.: *See*—
Mueller, William G., Cherepow, Bartes, and Klause.

Barth, Elmer J., and P. J. Smith, assignors to Dana Corporation, Toledo, Ohio. Power and manually operated gear shift. 2,649,813, Aug. 25.

Barth, Harry J., Dover, Del., assignor to International Latex Corporation. Latex girdle with a lining of fibers. 2,636,173, Apr. 28.

Barth, John A., Brecksville, Ohio. Surface conditioning tool. 2,635,393, Apr. 21.

Barth, Robert H., Ridgewood, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Producing polyhydric alcohol ethers from hemiformals and carbonyl compounds. 2,644,013, June 30.

Barth, Robert M., Pelham Manor, assignor to The FR Corporation, New York, N. Y. Portable film projecting and viewing apparatus. 2,634,652, Apr. 14.

Barth, Robert M., Pelham Manor, assignor to The FR Corporation, New York, N. Y. Picture projector for film slides. 2,634,653, Apr. 14.

Barth, Robert M., Pelham Manor, assignor to Price-Driscoll Corporation, New York, N. Y. Mold parting surface and application. 2,639,213, May 19.

Barthenheier, Jakob: *See*—
Neugebauer, Wilhelm, and Barthenheier.
Neugebauer, Wilhelm, Barthenheier, and Rebenstock.

Bartholomew, Howard W., Pottstown, Pa., assignor to Doehler-Jarvis Corporation, New York, N. Y. Tote box. 2,634,020, Apr. 7.

Bartholomew, Jess M., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor control system. 2,646,919, July 28.

Bartholomew, Orlo A., Atlantic City, N. J. Fluorescent lamp assembly. 2,654,021, Sept. 29.

Bartholomew, Robert J., Philadelphia, and W. W. Egee, Yeadon, assignors to Fletcher Works Incorporated, Philadelphia, Pa. Machine for making yarn packages. 2,653,774, Sept. 29.

Bartkowski, Bogumil W., Buffalo, N. Y. Bracelet mirror. 2,627,785, Feb. 10.

Bartlam, Thomas C.: *See*—
Wiser, Douglas R., Bartlam, and Burke.

Bartlam, Thomas C., B. R. Burke, and D. R. Wiser, Los Angeles, and V. C. Engstrom, South Gate, Calif.; said Bartlam, said Burke, and said Engstrom, assignors to said Wiser. Ball actuated racing game. 2,627,411, Feb. 3.

Bartle, George R., Metuchen, N. J., assignor to Johnson & Johnson. Wrapping and sealing machine. 2,656,657, Oct. 27.

Bartleson, John D., Beachwood Village, assignor to The Standard Oil Company, Cleveland, Ohio. Processing solvent-extracted lubricating oil by treating with phosphorus pentasulfide and a base and the resulting products. Re. 23,676, June 30.

Bartleson, John D., Beachwood Village, assignor to The Standard Oil Company, Cleveland, Ohio. Processing lubricating oil by treating with sulfuric acid, a phosphorus sulfide and a base and the resulting products. Re. 23,677, June 30.

Bartleson, John D., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant and making same. 2,664,202, Dec. 29.

Bartleson, John D., Cleveland, and M. H. Campbell, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Mineral lubricating oil containing an anticorrosive agent and an antioxidant detergent agent. 2,655,477, Oct. 13.

Bartlett, Edwin S., Ludington, Mich., assignor to Sunbeam Corporation, Chicago, Ill. Shearing handpiece. 2,651,107, Sept. 8.

Bartlett, Jeffrey H., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil additive. 2,637,697, May 5.

Bartlett, Jeffrey H., Westfield, N. J., assignor to Standard Oil Development Company. Mineral oil additive. 2,656,318, Oct. 20.

Bartlett, Jeffrey H., Westfield, and T. Cross, Jr., Union, N. J., assignors to Standard Oil Development Company. Mineral oil additive. 2,631,130, Mar. 10.

Bartlett, Kenneth M., Cleveland, Ohio, assignor to American Electro Metal Corporation, Yonkers, N. Y. Manufacturing jet propulsion parts. 2,633,628, Apr. 7.

Bartlett, Kenneth M., and N. J. Connavino, South Euclid, assignors to Thompson Products, Inc., Cleveland, Ohio. Making turbine blades. 2,638,663, May 19.

Bartlett, Norman, Ueta, Fla. Occupant carrying roundabout. 2,629,593, Feb. 24.

Bartlett, Paul D., Weston, Mass., assignor by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Alkaline hydrolysis of hexachlorobenzene. 2,644,015, June 30.

Bartlett, Paul D., Weston, Mass., H. J. Dauben, Jr., Seattle, Wash., and A. Schneider, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,627,490, Feb. 3.

Bartlett, Robert D., Chichester, England. Hanger for wearing apparel. 2,634,032, Apr. 7.

Bartlett, Roscoe G., Jr.: *See*—
White, Ira U., and Bartlett.

Bartlette, Daniel, and E. C. Lowe, St. Boniface, Manitoba, Canada. Box-blank cutting assembly. 2,628,543, Feb. 17.

Bartling, Elmer, Arlington, Nebr. Portable elevator for concrete mixers. 2,624,480, Jan. 6.

Bartling, Loren E., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Governor for sprayers. 2,662,795, Dec. 15.

Bartner, Elliot: *See*—
Gaunt, William E., Bartner, and Schaeffer.

Bartolucci, Ben, Chicago, Ill. Detachable vane assembly for contact column. 2,649,291, Aug. 18.

Bartolucci, Edgar O.: *See*—
Waldheim, John J., and Bartolucci.

Bartolucci & Waldheim, assignee: *See*—
Waldheim, John J., and Bartolucci.

Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,625,572, Jan. 13.

Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Rubber processing. 2,658,092, Nov. 3.

Barton, Eugene A., assignor of fifty per cent to J. Frenkil, Baltimore, Md. Wet compress and container. 2,629,378, Feb. 24.

Barton, George A., Yakima, Wash. Box stamper. 2,627,225, Feb. 3.

Barton, Gerald D., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well formation packer assembly for measuring gas-oil ratios. 2,655,038, Oct. 13.

Barton, Loy E., Collingswood, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Lighthouse tube, oscillator. 2,627,577, Feb. 3.

Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Stabilized semiconductor amplifier circuits. 2,644,859, July 7.

Barton Manufacturing Co., assignee: *See*—
Barton, Rufus K.
Bent, John H.

Barton, Murray M., assignor to Injection Molding Company, Kansas City Mo. Flexible container. 2,626,647, Jan. 27.

Barton, Robert C., The Hague, Netherlands, and R. F. Bergstrom and J. M. Plantfeber, Martinez, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,629,693, Feb. 24.

Barton, Rufus K., assignor to Barton Manufacturing Co., St. Louis, Mo. Merchandise display. 2,635,744, Apr. 21.

Barton, William A., Arlington, assignor to B. G. Barnett, Dallas, Tex. Oil cleaner for internal-combustion engines. 2,647,634, Aug. 4.

Bartow Beacons Inc., assignee: *See*—
Bartow, John B.
Bartow, John B., J. A., and MacLaughlin.

Bartow, Jack A.: *See*—
Bartow, John B., J. A., and MacLaughlin.

Bartow, John B., assignor to Bartow Beacons Inc., Blue Bell, Pa. System of aerial navigation. 2,643,374, June 23.

Bartow, John B., assignor to Bartow Beacons Inc., Blue Bell, Pa. Ray directing device. 2,659,017, Nov. 10.

Bartow, John B. and J. A., Blue Bell, and G. D. MacLaughlin, Jr., Perkiomenville, assignors to Bartow Beacons Inc., Blue Bell, Pa. Directivity control of X-rays. 2,638,554, May 12.

Bartow Laboratories, Inc., assignee: *See*—
Batrow, John.

Bartu, Franz, and H. Steyrleitner, Millstatt, Austria, assignors to General Refractories Company, Philadelphia, Pa. Head for regenerative furnaces. 2,634,115, Apr. 7.

Bartz, John P., Fort Lauderdale, Fla. Sugar purification. 2,626,878, Jan. 27.

Baruch, Alan P.: *See*—
Porzer, Ralph E., and Baruch.

Barusch, Maurice R.: *See*—
McLaughlin, Edward J., Denison, and Barusch.

Barusch, Maurice R., Richmond, assignor to California Research Corporation, San Francisco, Calif. Fuel composition containing N,N'-dimethyl phenylene diamine to prevent knocking. 2,643,942, June 30.

Barusch, Maurice R., Richmond, and R. Y. Mixer, Los Angeles, assignors to California Research Corporation, San Francisco, Calif. Diesel fuel oil. 2,655,440, Oct. 13.

Barzaghi, Angelo, Milan, Italy. Loom. 2,652,860, Sept. 22.

Basabe, Nicolás I., Cadiz, Spain. Two-stroke internal-combustion engine. 2,658,487, Nov. 10.

Bascle, Joseph A., New Orleans, La. Pressure carburetor and fuel-air ratio regulator. 2,664,279, Dec. 29.

Bascom, Henry, St. Louis, Mo. Shoeshine stand. 2,658,225, Nov. 10.

Bascom, Hugh W., Panora, Iowa. Low temperature food storage box structure with means for cooling machinery compartment. 2,645,100, July 14.

Bascome, John H., Jr., Mamaroneck, N. Y. Small boat restrainer. 2,662,501, Dec. 15.

Basdekis, Costas H., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Preparing acrylonitrile polymers. 2,635,090, Apr. 14.

Basdekis, Costas H., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Preparing blended polymers. 2,637,717, May 5.

Basdekis, Costas H., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymeric compositions. 2,652,381, Sept. 15.

Basdekis, Costas H., Dayton, and G. L. Wesp, Englewood, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Polymerization method. 2,635,091, Apr. 14.

Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Pin and retainer. 2,629,281, Feb. 24.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake beam with fixed head and guide. 2,655,234, Oct. 13.

Basevi, Sidney P., Ensbury Park, Bournemouth, assignor to Rotol Limited, Gloucester, England. Variable-pitch propeller. 2,655,999, Oct. 20.

Basham, Raymond B., assignor to Westronics, Inc., Fort Worth, Tex. Apparatus for controlling internal temperatures of foods while cooking same. 2,635,137, Apr. 14.

Bashara, Samuel F., Houston, Tex. Water replenishing device for storage batteries. 2,663,751, Dec. 22.

Bashark, Nicholas, Dayton, assignor to The Parker Appliance Company, Cleveland, Ohio. Valve sealing element. 2,660,398, Nov. 24.

Bashford, Leslie A., and G. Doubleday, Coventry, assignors to Courtaulds Limited, London, England. Production of artificial threads, films, and the like. 2,632,686, Mar. 24.

Bashford, Leslie A., and G. Doubleday, Coventry, assignors to Courtaulds Limited, London, England. Production of artificial filaments. 2,645,556, July 14.

Bashford, William L., Fresno, Calif. Agitating machine for bottled beverages and the like. 2,643,102, June 23.

Bashor, Harold T., and C. T. Lutz, Columbus, Ohio. Sealing apparatus for open-topped liquid receptacles. 2,658,377, Nov. 10.

Bashour, Joseph T., New York, N. Y., assignor to Stauffer Chemical Company. Ethers and making the same. 2,647,129, July 28.

Bashour, Joseph T., New York, N. Y., assignor to Stauffer Chemical Company. Chlorinated cyclic organic trithiocarbonate and preparing same. 2,662,899, Dec. 15.

Bashover, Albert, assignor to Conmar Products Corporation, Newark, N. J. Slide fastener. 2,657,444, Nov. 3.

Basic Refractories, Inc., assignee: *See*—
Hughey, Vaughn V.
Ruiz, Joseph J.

Basil, Morton B., New York, N. Y. Collapsible travel service tray. 2,635,678, Apr. 21.

Basile, Gennaro J., Brooklyn, N. Y. Demountable chair. 2,628,668, Feb. 17.

Basilewsky Alexis, Sea Cliff, N. Y., assignor to Solvay & Cie, Brussels, Belgium. Mercury cathode electrolysis apparatus. 2,648,630, Aug. 11.

Baskerville, Ralph J., Drexel Hill, Pa., assignor to A. B. Chance Company, Centralia, Mo. Method and apparatus for breaking electrical circuits under heavy load. 2,625,623, Jan. 13.

Baskind, Herman D., New York, N. Y. Cuff fastening with separable fastener. 2,648,110, Aug. 11.

Basler, Charles H., and W. L., Oshkosh, Wis. Animal-restraining device. 2,655,900, Oct. 20.

Basler, Warren L.: *See*—
Basler, Charles H., and W. L.

Basnett, Robert T., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, quenching device for electric contactors. Jan. 20.

Bass, Helen L., Chicago, Ill. Cabinet. 2,630,3

Basset, Lucien P., Montmorency, France. carbon and graphite articles, including battery electrodes and making the same. Nov. 3.

Bassett, Clifford S., executor: *See*—
Moyer, Charles L.

Bassett, Cyrus W., Monmouth County, J. H. V. Union County, and A. E. Weigele, Essex Co assignors, by mesne assignments, to Nati matic Co., Inc., Boston, Mass. Automatic tor having automatic means for manual 2,646,981, July 28.

Bassett, Francis P.: *See*—
Harriman, Thomas J., and Bassett.

Bassett, H. Y., assignee: *See*—
Carlson, Emil.

Bassett, John: *See*—
Myers, Claude R., Dasse, and Bassett.

Bassett, W. E., Company, The, assignee: *See*—
Bassett, William E.

Bassett, William E., Woodbridge, assignor to Bassett Company, Derby, Conn. Bendable fastening clip. 2,625,723, Jan. 20.

Bassi, A. B., assignee: *See*—
Kritzer, Richard W.

Bassick Company, The, assignee: *See*—
Claud-Mantle, Arthur.
Herold, Walter F., and Parrott.
Kramcsak, Michael, Jr.

Bassindale, Isaac B., assignor to Platt Brother pany Limited, Oldham, England. Loom f tufted pile fabrics. 2,647,543, Aug. 4.

Bassindale, Isaac B., assignor to Platt Br Company Limited, Oldham, England. Loon ing tufted pile fabrics. 2,647,544, Aug. 4.

Bassinger, Ross, Houston, Tex. Percussion d 2,645,207, July 14.

Bassler, Gerald C., Pittsburgh, Pa., assignor Owens-Ford Glass Company, Toledo, Ohio. 1,4-dicyano-2-butene. 2,646,443, July 21.

Basso, Michael J., assignee: *See*—
Liley, John W.

Bassoff, Arthur, assignor to National Broach Company, Detroit, Mich. Feed chute. 2,644

Bassot, André, Boulogne-sur-Seine, E. Daynié, Seine, and A. de Sancy, assignors to L'Air ciete Anonyme Pour l'Etude et l'Exploitati cedes Georges Claude, Paris, France. Gas-s trode holder for arc welding torches. 2,6 28.

Bastian-Blessing Company, The, assignee: *See* Mendonca, Lewis E.
Steczynski, Myron E., Biederstadt, and

Bastian Bros. Co., assignee: *See*—
Brown, Frank J.
McDermott, Francis A.

Baston, Cyril E., Glenshaw, assignor to W Electric Corporation, East Pittsburgh, Pa. regeneration control. 2,626,374, Jan. 20.

Baston, Cyril E., Glenshaw, and H. M. Futr burg, assignors to Westinghouse Electric East Pittsburgh, Pa. Master controller. Jan. 20.

Bašus, Jiří, Prague, assignor to Skoda Work Corporation, Plzen, Czechoslovakia. Devic ing fibrous masses. 2,626,702, Jan. 27.

Bata, narodni podnik, assignee: *See*—
Chmelař, Václav.

Batchelder, George E., assignor to Rockwell Ma Company, Pittsburgh, Pa. Fluid meter. Mar. 3.

Batchelder, James W.: *See*—
Flanders, Ralph E., and Batchelder.

Batchelder, James W., Ascutney, Vt., assigno assignments, to The Economy Engineerin Willoughby, Ohio. Automatically fed th machine. 2,627,767, Feb. 10.

Batchelder, Laurence, Cambridge, Mass., assig theon Manufacturing Company. Commuta vice. 2,654,040, Sept. 29.

Batcheller, Hugh W., Newton, assignor to Ark Corporation, Watertown, Mass. Continuou for gang switches. 2,634,312, Apr. 7.

Batcheller, Hugh W., Newton, Mass. Push-bu 2,634,340, Apr. 7.

Batcheller, Hugh W., Newton, assigner to Ark Corporation, Watertown, Mass. Switch ranges. 2,647,962, Aug. 4.

Batcheller, Hugh W., Newton, Mass. Pu 2,652,470, Sept. 15.

Batchelor, Clyde S., Upper Stepney, and H Bridgeport, Conn., assignors to Raybestos Inc., Passaic, N. J. Heat hardening of fr rials. 2,641,801, June 16.

Batchlet, Robert L., Cleveland Heights, Ohio. package and toy structure. 2,657,144, Oct

Batdorf, Jack B., assignor to Hercules Powder Company, Wilmington, Del. Purification of water-soluble reaction products of a rosin and an alkylene oxide. 2,662,881, Dec. 15.

Bate, Lorraine D., New York, N. Y. Bed sheet. 2,636,191, Apr. 28.

Bate, Stanley C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Purifying wood pulp. 2,645,576, July 14.

Bate, Stanley C., F. G. Peach, and W. A. Rogerson, Spondon, near Derby, England, assignors to British Celanese Limited. Purifying wood pulp. 2,645,577, July 14.

Bateman, George H., Chicago, and F. Krahulec, Skokie, assignors to A. C. Nielsen Company, Chicago, Ill. Device for recording the listening habits of wave signal receiver users. 2,645,549, July 14.

Bateman, Gerald G., Toronto, Ontario, Canada. Holdup attachment for safes and vault locks. 2,655,807, Oct. 20.

Bateman, Ralph C., and B. J. Schnitzer, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Upholstered spring construction for furniture. 2,642,928, June 23.

Bateman, Robert N., Duluth, Minn., assignor to United States Steel Corporation. Tensioning device for conveyor belts. 2,648,424, Aug. 11.

Bates, Arthur H., Jr., Dalton, Ga., N. Bobo, C. F. Mullinax, and W. W. Macomson, Lyman, S. C., assignors to Pacific Mills. Sheet marking and measuring apparatus. 2,639,508, May 26.

Bates, Arthur H., Jr., Dalton, Ga., and N. Bobo, C. F. Mullinax, and W. W. Macomson, Lyman, S. C., assignors to Pacific Mills. Sheet measuring apparatus. 2,645,939, July 21.

Bates, C. J., & Son, assignee: *See*—
Joslyn, Stuart S.

Bates & Chard Company, assignee: *See*—
Denison, Donald.

Bates, Harold: *See*—
Fisher, James W., Bates, and Wheatley.

Bates, Harry H., Oregon, Ill. Trench making machine and the like. 2,643,096, June 23.

Bates, Jack R., San Anselmo, Calif. Supporting strap for cameras or binoculars. 2,643,803, June 30.

Bates, Jackson W., Ovid, Mich. Dual light source for cameras. 2,642,518, June 16.

Bates, James E., Chenango Bridge, assignor to General Aniline & Film Corporation, New York, N. Y. Removing color developer stain in azine dye images. 2,657,139, Oct. 27.

Bates, Joseph D., deceased, West Springfield, Mass., by J. A. Bates and H. C. Avery, executors, assignors to J. A. Bates, West Springfield, Mass. Device for applying threaded screws or bolts. 2,659,255, Nov. 17.

Bates, Josephine A., executrix, assignee: *See*—
Bates, Joseph D.

Bates, Julius S. W., assignee: *See*—
Tour, Sam.

Bates, Lenore C., assignee: *See*—
French, Charles A.

Bates Manufacturing Company, assignee: *See*—
Mills, George L.

Bates, Mortimer F., Brooklyn, N. Y., assignor to The Sperry Corporation. Rotor hub mounting for a rotary wing aircraft. 2,633,925, Apr. 7.

Bates, Stanford C., Rome, N. Y. Feed mixing apparatus. 2,646,260, July 21.

Bates, Walter M., Jr., Penns Grove, N. J. Drip deflector. 2,648,107, Aug. 11.

Bath, Cyril, Company, The, assignee: *See*—
Bath, Cyril J., and Ebert.

Bath, Cyril J., Chagrin Falls, and R. J. Ebert, Euclid, assignors to The Cyril Bath Company, Cleveland, Ohio. Metal forming press. 2,642,114, June 16.

Bath, Wilmer H.: *See*—
Davis, Walter C., and Bath.

Batho, William F., and O. A. Wallace, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car door closing mechanism. 2,630,769, Mar. 10.

Bathrick, Vern H.: *See*—
Carlson, John A., Bathrick and Morse.

Bathurst, Thomas T., Miami, Fla. Combination mop, scrubber, and wringer. 2,653,337, Sept. 29.

Bathurst, Thomas T., Miami, Fla., assignor to R. Randall and C. O. Fields, Kansas City, Mo. Sickle bar type lawn mower. 2,654,200, Oct. 6.

Batlin, L., & Son, Inc., assignee: *See*—
Gessmann, Edmund G.

Batrow, John, assignor to Bartow Laboratories, Inc., Branford, Conn. Electrophysiotherapy apparatus. 2,641,259, June 9.

Batsel, Cecil N., Santa Monica, Calif., assignor to Radio Corporation of America. Arc lamp carbon mechanism. 2,628,324, Feb. 10.

Batt, Thomas H., Toronto, Ontario, Canada. Cigarette lighter. 2,640,340, June 2.

Battaglia, Eugene P., Bronx, N. Y. Antibacklash attachment for fishing reels. 2,637,508, May 5.

Battaline, John R., Hartford, Conn. Overload release clutch. 2,633,215, Mar. 31.

Battelle Development Corporation, assignee: *See*—
Brand, Benson G.
Copley, Harold E.
Craighead, Charles M.
Ebert, James P.
Simmons, Orien W.
Snavely, Cloyd A.
Walkup, Lewis E., and Wise.

Batten, Percy H., trustee, assignee: *See*—
Boestad, Gustav K. W. and Eriksson.
Boestad, Gustav K. W., and Lindhagen.
Lindhagen, Teodor I., and Nilsson.
Mudersbach, Ernst H.
Nilsson, Hans R., and Lindhagen.
Nilsson, Hans R., and Truisson.

Batten, Percy H., assignor to Twin Disc Clutch Company, Racine, Wis. Rotary hydraulic coupling and mechanical brake means. 2,651,916, Sept. 15.

Battersby, Robert B., Darien, Conn., assignor to PM Industries, Incorporated. Tear out closure. 2,630,238, Mar. 3.

Battershill, Frederick J., deceased, Woodlands, South Croydon, England. V. L. L. Battershill, sole executrix. Combustion of liquid fuel. 2,663,559, Dec. 22.

Battershill, Vivien L. A., sole executrix: *See*—
Battershill, Frederick J.

Batterson, Clarence K., deceased; G. C. Batterson, executrix, assignor to T. C. Batterson, Houston, Tex. Traffic marker. 2,635,513, Apr. 21.

Batterson, Gladys C., executrix: *See*—
Batterson, Clarence K.

Batterson, Thomas C., assignee: *See*—
Batterson, Clarence K.

Battista, Orlando A., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Cockled fibrous product of the nonwoven fabric type and making it. 2,647,297, Aug. 4.

Battista, Orlando A., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Making a wound package and after-treating the same. 2,647,816, Aug. 4.

Battiste, Donald A., Philadelphia, Pa. Bread sponge products and the production thereof. 2,632,707, Mar. 24.

Battle, Michael A.: *See*—
Battle, William F. and M. A.

Battle, William F. and M. A., Lisbon, Ohio. Electrically operated musical instrument. 2,647,426, Aug. 4.

Battle, Wingate, Atlantic Beach, Fla., assignor of twenty per cent to J. E. Veith, Arlington, Va., and twenty per cent to N. R. Bronle, St. Petersburg, Fla. Nursing bottle support. 2,638,296, May 12.

Battles, Willis R., Redondo Beach, assignor to California Carbed Company, Los Angeles, Calif. Car seat. 2,633,895, Apr. 7.

Batura, John, Pawtucket, R. I. Abrasive ribbon holder. 2,637,955, May 12.

Baty, Joseph A., assignor to Cresset Research Corporation, Weston, Ohio. Porous material useful in battery separators. 2,653,987, Sept. 29.

Bätz, Werner: *See*—
Adamy, Kurt, and Bätz.

Batzle, William K., Bloomfield, N. J., assignor to Radio Corporation of America. Electron tube mount and method of assembly. 2,625,665, Jan. 13.

Baucom, Carson D., Raleigh, N. C. Self-aid high-pressure metering system. 2,641,907, June 16.

Bauderer, Martha M., Port Clinton, Ohio, and E. K. Lotthammer, Jamaica, N. Y., said Lotthammer assignor to said Bauderer. Parachute gun. 2,633,119, Mar. 31.

Bauders, Ray, Jr., Kewanee, Ill. Combination louver and screen structure. 2,636,558, Apr. 28.

Baudry, René A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Seal for hydrogen-cooled generators. 2,636,754, Apr. 28.

Baudry, René A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Separately mounted fan means for generator ventilation. 2,663,807, Dec. 22.

Baudry, René A., and G. E. Peterson, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oil-pot for vertical-shaft machines. 2,626,192, Jan. 20.

Baudry, René A., Pittsburgh, and P. R. Heller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator cooling. 2,626,365, Jan. 20.

Baudry, René A., Pittsburgh, and P. R. Heller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Separate end-turn rotor-ventilation. 2,653,255, Sept. 22.

Bauer, Alois, Brooklyn, N. Y. Centrifugal coating applying machine. 2,643,636, June 30.

Bauer, Arthur G., Wantagh, assignor, by mesne assignments, to C. E. Eggers, Great Neck, N. Y. Fusible extension cord plug. 2,640,184, May 26.

Bauer, Benjamin B., Oak Park, assignor to Shure Brothers, Incorporated, Chicago, Ill. Two-sided pickup and stylus therefor. 2,631,857, Mar. 17.

Bauer, Benjamin B., Oak Park, assignor to Shure Brothers, Incorporated, Chicago, Ill. Phonograph stylus. 2,641,475, June 9.

Bauer, Benjamin B., Oak Park, assignor to Shure Brothers, Incorporated, Chicago, Ill. Improved phonograph pickup apparatus. 2,652,260, Sept. 15.

Bauer, Benjamin B., Oak Park, and L. Gunter, Jr., assignors to Shure Brothers, Incorporated, Chicago, Ill. Recording and reproducing head. 2,650,952, Sept. 1.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Marking device for strand material. 2,644,423, July 7.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Winding core support. 2,651,479, Sept. 8.

Bauer, Ernest K., and P. E. Hill, Meadville, Pa., assignors to American Viscose Corporation, Wilmington, Del. Winding apparatus. 2,635,321, Apr. 21.

Bauer, Frank L.: *See*—
Bauer, Jeroe P. and F. L.

Bauer, Frederick, Wausau, Wis. Barber's comb. 2,661,007, Dec. 1.

Bauer, Friedrich, Erlangen, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Mechanically controllable induction machine. 2,648,807, Aug. 11.

Bauer, George F., assignor to Armco Steel Corporation, Middletown, Ohio. Sheet piler end stop structure. 2,661,949, Dec. 8.

Bauer, Hugo: *See*—
Mullan, Daniel, and Bauer.

Bauer, Jeroe P. and F. L., Saticoy, Calif. Rotary flanged disk weed cutter. 2,633,790, Apr. 7.

Bauer, John K.: *See*—
Horn, Robert B., and Bauer.
Rich, Edward L., Bauer, and Dengel.

Bauer, Joseph A., Paul, Idaho. Cultivator attachment for tractors. 2,663,240, Dec. 22.

Bauer, Klaus: *See*—
Hiltmann, Rudolf, and Bauer.

Bauer, La Verne N.: *See*—
Neher, Harry T., and Bauer.

Bauer, La Verne N., Philadelphia, H. T. Neher, Bristol, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of maleic esters and long chain alkyl methacrylates. 2,642,414, June 16.

Bauer, Oliver F., East Rochester, assignor to Gleason Works, Rochester, N. Y. Gear cutter. 2,646,611, July 28.

Bauer, Robert F., Santa Maria, and J. E. Sherborne, Whittier, assignors to Union Oil Company of California, Los Angeles, Calif. Treatment of oil-bearing formations. 2,633,919, Apr. 7.

Bauer, Russell L.: *See*—
Adams, James F., Bauer, and Taylor.

Bauerlein, Carl C., Mukwonago, Wis., assignor to The Dole Valve Company, Chicago, Ill. Dispenser circulatory device. 2,653,802, Sept. 29.

Bauerschmidt, Charles H., Rochester, N. Y. Automatic pin-setting machine. 2,628,098, Feb. 10.

Bauersfeld, Walther, Heidenheim on the Brenz, assignor to Zeiss-Opton Optische Werke Oberkochen G. m. b. H., Oberkochen, Germany. Binocular tube for microscopes. 2,634,654, Apr. 14.

Bauersfeld, Walther, and E. Bernhardt, Heidenheim (Brenz), Württemberg, assignors to Zeiss-Opton Optische Werke Oberkochen G. m. b. H., Oberkochen, Germany. Device for production of uniform circle graduations. 2,663,082, Dec. 22.

Bauger, Louis, and J. Roty, assignors to Société dite: Societe Nationale d'Étude et de Construction de Moteurs d'Aviation, Paris, France. Gaseous fluid compressor. 2,645,410, July 14.

Baugh, Everett L., and De L. D. Wallace, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Rotary fluid pump. 2,631,540, Mar. 17.

Baugh, Everett L., Miamisburg, and D. D. Wallace, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Load raising device. 2,635,427, Apr. 21.

Baugh, Raymond N., Bridgeport, Conn. Center finder. 2,649,783, Aug. 25.

Baughman, Charles R., Flatt, Ill., assignor to International Harvester Company. Caster wheel lock. 2,660,940, Dec. 1.

Bauhammer, Titus, and R. G. Bruesch, Perry, Mich. Gutter hanger. 2,635,841, Apr. 21.

Baukus, Frank W., Saginaw, Mich. Combined saw and housing for a plurality of cutting tools. 2,631,368, Mar. 17.

Baule, Gerhard H. J., Salina, assignor to Hall & McChesney Inc., Syracuse, N. Y. Roll film viewer. 2,659,267, Nov. 17.

Baum, Elmer, assignor to International Standard Electric Corporation, New York, N. Y. Pulse demodulating system. 2,654,027, Sept. 29.

Baum, John W., Newport, Oreg. Fish lure. 2,633,659, Apr. 7.

Baum, Velma H., Lancaster, Pa. Waterproof laminated mattress pad. 2,660,735, Dec. 1.

Baum, W. A., Co, Inc., assignee: *See*—
Baum, William A.

Baum, William A., Forest Hills, assignor to W. A. Baum Co. Inc., New York, N. Y. Blood pressure measuring apparatus. 2,625,153 Jan. 13.

Bauman, Edna M., executrix: *See*—
Bauman, Joseph J.

Bauman, Joseph J., deceased, Chicago, Ill.; E. M. Bauman, executrix, assignor to Kurz-Kasch, Inc., Dayton, Ohio. Knob. 2,625,054, Jan. 13.

Bauman, William C., assignor to The Dow Chemical Company, Midland, Mich. Method of removing solids from water. 2,629,690, Feb. 24.

Bauman, William C., and E. L. McMaster, assignors to The Dow Chemical Company, Midland, Mich. Preparation of chloromethyl methyl ether. 2,652,432, Sept. 15.

Baumann, Elmer W.: *See*—
Foote, Alfred.

Baumann, Gottlieb W., Fort Madison, assignor to Ralph Evans, Oskaloosa, Iowa. Ignition lock for motor vehicles. 2,647,937, Aug. 4.

Baumann, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Turbine rotor. 2,635,805, Apr. 21.

Baume, Frank J., Bakersfield, Calif. Mechanical parking. 2,658,632, Nov. 10.

Baumeister, Philip: *See*—
Schaefer, Henry G., and Baumeister.

Baumer, Richard A., and C. A. Busch, Huron, Ohio, Chill, Sandusky, Ohio, said Busch and said Baumer assignors to said Baumer. Separable pistol grip for caulking filling dispensing guns. 2,636,658, Apr. 28.

Baumfeld, Joseph R., and J. Lebovitz, Los Angeles, and W. F. Homrighausen, Monterey Park, Calif. Adjustable tripod seat. 2,629,429, Feb. 24.

Baumgardner, Harold K., Shaker Heights, and Cleveland Heights, Ohio, said Krels assignor to said Baumgardner. Sheet handling mechanism for rotary printing presses. 2,629,323, Feb. 24.

Baumgardner, Ross: *See*—
Perry, Richard D., and Baumgardner.

Baumgartner, Frederick N.: *See*—
Lippincott, Samuel B., Baumgartner, and

Baumgartner, John G., Oswego, Ill. Brush making machine. 2,664,315, Dec. 29.

Baumgartner, John R., Milwaukee, Wis. Roll feeding mechanism for rotary printing presses. 2,6
20.

Baumgartner, John R., Milwaukee, Wis. Bl
press feed. 2,638,821, May 19.

Baumgartner, John R., Milwaukee, Wis. Bl
apparatus. 2,655,842, Oct. 20.

Baumgartner, John R., Milwaukee, Wis. Pap
apparatus. 2,658,432, Nov. 10.

Baumgartner, Luther L., Hastings on Hudson, and The B. F. Goodrich Company, New York, N
cidal compositions containing esters of thio
2,631,935, Mar. 17.

Baumgartner, Otto F., Kansas City, Mo. Ve
frame and holder for automobile lice
2,624,966, Jan. 13.

Baumheckel, Ralph E., Connersville, Ind., assignor to Link-Belt Company. Bearing. 2,624,643,

Baumheckel, William M., Indianapolis, Ind. Cooling system for internal-combustion engines. 2,632,
Feb. 17.

Baumrucker, William, Jr.: *See*—
Richardson, Henry M., and Baumrucker.

Baumrucker, William, Jr., Stamford, Conn., assignor to Research Corporation, New York, N. Y. Process of molding. 2,663,251, Dec. 22.

Baunach, Roy J., Toledo, Ohio. Corn popping machine. 2,637,656, May 5.

Baunsgard, Earl N.: *See*—
Baunsgard, Theodore A. and E. N.

Baunsgard, Theodore A., Seattle, and E. N. Baunsgard, Kirkland, Wash. Scraper-type cultivator tool. 2,640,
May 26.

Baur, Frederic J.: *See*—
Lange, Willy, and Baur.

Baur, John W., Glen View, and O. G. Plos, Chicago, assignors to Binks Manufacturing Company, Chicago, Ill. Dry powder conditioning and dispensing apparatus. 2,647,
Aug. 11.

Baus, David S.: *See*—
Rose, Howard E., Motch, and Baus.

Bausano, Battista G., Detroit, Mich. Bottle labeling machine. 2,647,674, Aug. 4.

Bausch & Lomb Optical Company, assignee:
Aspenleiter, Joseph W.
Benford, James R.
Bowerman, Clarence J.
Eckert, Clarence J.
Hunt, John J.
Kieffer, Joseph D., III, and Stroin.
Kreidl, Norbert J.
Stegeman, Raymond F. E.
Turner, Arthur F.

Bautista, Valentine, Chicago, Ill. Pres
2,633,026, Mar. 31.

Baxter, Albert W., Hollywood, Calif. F
2,629,960, Mar. 3.

Baxter, Bert, Plymouth, Calif. Carbon
2,630,794, Mar. 10.

Baxter, Bruce L., Louisville, Ky., assignor to Ball Metals Company, Richmond, Va. Crate for glass bottles and the like. 2,648,456, Aug. 11.

Baxter, Ernest L., assignor to Eastman Kodak Company, Rochester, N. Y. Backing paper for roll film. 2,646,365, July 21.

Baxter, Ernest L., assignor to Eastman Kodak Company, Rochester, N. Y. Backing paper for roll film. 2,646,366, July 21.

Baxter, Ernest W., Limestone, N. Y. Tobacco pipe. 2,634,732, Apr. 14.

Baxter, Harry, Garretsville, Ohio. Electromagnetically controlled valves. 2,640,495, June 2.

Baxter, Jay H., and R. B. Johnson, Port Arthur, Tex. Louver construction. 2,649,629, Aug. 25.

Baxter, John E., assignor to Parker Rust Proof Company, Detroit, Mich. Sulfide coating. 2,639,245, May 19.

Baxter, John E., Maywood, Calif., assignor to Parker Rust Proof Company, Detroit, Mich. Sulfide coating. 2,644,774, July 7.

Baxter, Joseph, Jr.: *See*—
Petry, Lewis W., and Baxter.

Baxter, Joseph, Jr., Franklin, assignor to The Black-Clawson Company, Hamilton, Ohio. Vortex separator for pulp. 2,645,347, July 14.

Baxter, Joseph, Jr., Franklin, assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,661,664, Dec. 8.

Baxter, Joseph M., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Automatic phonograph mechanism. 2,645,496, July 14.

Baxter, Ross M.: *See*—
Foote, Perry A., Lauter, and Baxter.

Baxter, Thomas R., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Nursing unit assembling tool. 2,643,449, June 30.

Baxter, William C.: *See*—
Trimble, Edward C., and Baxter.

Baxter, William C., assignor to Trimble, Inc., Rochester, N. Y. Folding stand and tray. 2,644,590, July 7.

Baxter, William C., assignor to Trimble, Inc., Rochester, N. Y. Combination bath spray device and temperature indicator. 2,645,116, July 14.

Bay, Ernest, Saylesville, R. I., assignor to Owens-Corning Fiberglas Corporation. Spindle adapter for high-speed strand/twisting machines. 2,639,576, May 26.

Bay, Thomas J., U. S. Navy. Expandable condenser tube cleaner. 2,653,334, Sept. 29.

Bayer, Frank C.: *See*—
Noon, T. Cyril, and Bayer.

Bayer, John C.: *See*—
Jackson, Frank L., and Bayer.

Bayer, Otto: *See*—
Kleiner, Helmut, Bayer, and Becht.
Piepenbrink, Hans-Frank, and Bayer.

Bayer, Philip, Delaware, Ohio. Hydraulic engine. 2,652,035, Sept. 15.

Bayer, Robert C., Jamaica Estates, N. Y. Universal indicator gauge. 2,626,462, Jan. 27.

Bayerische Motoren Werke AG., assignee: *See*—
Behringer, Hermann.

Bayes Manufacturing Co. Inc., assignee: *See*—
Saxby, Marvin.

Bayles, Donald C., Adams, assignor of forty-nine per cent to R. H. Soucek, Friendship, Wis. Children's hamper with steps combined. 2,658,640, Nov. 10.

Bayley, Lee D., Springfield, Ohio. Window tab and glazing anchoring means. 2,634,834, Apr. 14.

Bayliss, Alan J., Wembley, assignor to The General Electric Company Limited, London, England. Radio communication system. 2,642,524, June 16.

Baynes, William C., Washington, D. C. Greeting card and envelope assembly. 2,642,182, June 16.

Bays, Carl A., Urbana, Ill. Electromagnetic wave transmission system. 2,653,220, Sept. 22.

Bay State Abrasive Products Co., assignee: *See*—
Buckner, Orello S.

Bay State Optical Company, assignee: *See*—
Knowles, Beryl B., and Singer.

Bayston, John R., assignor to J. R. Bayston, as trustee, Icecrafter (Liquidating) Trust, Van Nuys, Calif. Ice-making machine. 2,656,686, Oct. 27.

Bayuk, Bernard, Dayton, Ohio. Rotary launching system and apparatus for target aircraft. 2,649,263, Aug. 18.

Bayus Electric, Incorporated, assignee: *See*—
Finizie, Tomun, and Connolly.

Bazarnic, Peter P., Berwyn, Ill. Surge type washing machine. 2,636,504, Apr. 28.

Bazzoli, Leo, Brockway, Pa. Welt shoe having a removable welt. 2,658,287, Nov. 10.

Beach, Arthur W., Chicago, Ill. Padlock for use with hasps. 2,660,872, Dec. 1.

Beach, Earl F.: *See*—
Wallace, James M., and Beach.

Beach, Howard W., Far Hills, assignor to Eclipse Air Brush Co., Newark, N. J. Sanitary spray gun. 2,659,628, Nov. 17.

Beach, Leland K.: *See*—
Cunningham, Mary E., and Beach.

Beach, Lennox F., Sea Cliff, N. Y., assignor to The Sperry Corporation. Gyroscopic compass correction system. 2,662,301, Dec. 15.

Beach, Silas H., assignor to Donaldson Company, Inc., St. Paul, Minn. Air cleaner. 2,627,935, Feb. 10.

Beach & Shore, Inc., assignee: *See*—
Hayden, David H.

Beach, Theodore L., Jr., New Carlisle, Ohio. Rear-vision mirror. 2,642,244, June 16.

Beach, William I., Los Angeles, Calif., assignor to North American Aviation, Inc. Method and apparatus for progressive forming of C-stage plastic material. 2,648,370, Aug. 11.

Beach, William J., Unionville Center, Ohio. Veterinary's portable operating table. 2,631,568, Mar. 17.

Beacham, Robert C., Richmond, Calif., assignor to Cutter Laboratories, Inc. Bottle stopper. 2,644,453, July 7.

Beachler, Edward D.: *See*—
Hornbostel, Lloyd, and Beachler.

Beachler, Forrest A., Bicknell, Ind. Fifth wheel coupling. 2,638,352, May 12.

Beacom, Edward A., V. N. Sacklyn, and A. Talamanco, Brooklyn, N. Y. Reel arm adapter. 2,645,430, July 14.

Beadle, Buell W., China Lake, Calif., and H. R. Kraybill, assignors to A. W. Brickman, V. Conquest, F. J. Madden, W. B. Oleson, and E. T. Filbey, trustees for American Meat Institute Foundation, Chicago, Ill. Stabilization of fats and oils. 2,648,608, Aug. 11.

Beadle, Eugene E., Waterbury, Conn. Box for pharmaceutical preparations. 2,644,259, July 7.

Beal, Keith F.: *See*—
Signer, Ralph J., and Beal.

Beal, Louis E., Detroit, Mich. Magazine display fixture. 2,664,206, Dec. 29.

Beall, Charles R., La Grange, assignor to West Point Manufacturing Company, West Point, Ga. Set mark eliminator. 2,630,838, Mar. 10.

Beall, Desmond, and G. A. Grant, Montreal, Quebec, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. Conjugated oestrogenic quaternary ammonium salts and their preparation. 2,649,399, Aug. 18.

Beall, Desmond, Westmount, Quebec, G. A. Grant, and P. E. Legault, Montreal, Quebec, assignors to Ayerst, McKenna & Harrison, Limited, Montee St. Laurent, Montreal, Quebec, Canada. Piperazine estrogen salt and separation procedure. 2,650,918, Sept. 1.

Beall, Floyd E., Mount Shasta, Calif. Vertically adjustable table. 2,643,923, June 30.

Beall, Frank H., deceased; L. V. B. Beall, executrix, assignor to J. A. Maxwell, Detroit, Mich. Soda fountain draft head. 2,632,468, Mar. 24.

Beall, Lois V. B., executrix: *See*—
Beall, Frank H.

Beaman, Phineas A., assignor to Morgan Construction Company, Worcester, Mass. Wire coiling apparatus. 2,625,340, Jan. 13.

Beaman, Ralph G., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acrylonitrile polymers dissolved in solvent mixtures comprising nitromethane and water. 2,658,879, Nov. 10.

Beamer, Paul W., Irwin, and W. G. Young, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing shot. 2,636,219, Apr. 28.

Beamer, John D., Milford, and J. Bidak, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Sectional wall clip. 2,654,449, Oct. 6.

Bean, Arthur L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Contour measuring apparatus. 2,640,272, June 2.

Bean, Arthur L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Apparatus for measuring backlash in gears. 2,661,542, Dec. 8.

Bean, James J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Viscosity control in heavy media separation. 2,633,987, Apr. 7.

Beane, Ratio R., assignee: *See*—
Johnson, John M.

Bear, Joseph B., Denison, Tex. Device for detecting unsafe condition of bridges. 2,650,560, Sept. 1.

Bear Manufacturing Company, assignee: *See*—
Martin, Sidney W.

Bear, Robert, Wellington, Ohio. Riding sulky for power-operated mowing units. 2,660,447, Nov. 24.

Beard, George E., San Angelo, Tex. Rotary earth tilling device. 2,664,040, Dec. 29.

Beard, John V., Great Baddow, Chelmsford, assignor to Marconi's Wireless Telegraph Company Limited, London, England. Frequency shift telegraph receiver. 2,662,114, Dec. 8.

Beardsley, Guy E., Jr., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Carburetor having a density responsive fuel control. 2,631,024, Mar. 10.

Beardsley, Harold H., Denver, Colo. Convertible cot and camp chair. 2,651,352, Sept. 8.

Beardsley, Melville W., Venice, Calif. Method and means for cooling produce by use of reduced pressure. 2,634,590, Apr. 14.

Beardsley, Melville W., Venice, Calif. Vacuum cooling system employing chamber surface condensation. 2,634,591, Apr. 14.

Beardsley, Melville W., Venice, Calif. Vacuum vaporization-condensation cooling system. 2,634,592, Apr. 14.

Beardsley, Orie L.: *See*—
Meyer, Richard E., and Beardsley.

Bearer, Louis C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble chamber. 2,625,377, Jan. 13.

Bearer, Louis C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus and method of operation. 2,626,287, Jan. 20.

Bearer, Louis C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacturing mullite-containing refractories. 2,641,044, June 9.

Bearn S.-A., assignee: *See*—
Salil, Ernst A.

Beasley, Donald L., assignor to Wood Bros. Inc., Des Moines, Iowa. Adjustably mounted platform for windrowers. 2,662,362, Dec. 15.

Beason, Robert L., Cedar Rapids, assignor to New Method Equipment Company, Indianola, Iowa. Auxiliary spring structure. 2,627,404, Feb. 3.

Beaton & Cadwell Manufacturing Co., The, assignee: *See*—
Work, Erich W.

Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,625,182, Jan. 13.

Beattie, Arthur, San Bernardino, Calif. Retroverted passage type exhaust silencer. 2,643,730, June 30.

Beattie, Horace S., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Electromagnetic clutch with lubricating means. 2,651,396, Sept. 8.

Beattie, Horace S., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. High speed printing mechanism. 2,661,683, Dec. 8.

Beattie, Horace S., Poughkeepsie, R. E. Page, Lagrange, and E. J. Rabenda, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Decimal point and comma printing mechanism. 2,627,806, Feb. 10.

Beatty Bros. Limited, assignee: *See*—
Beatty, William G.

Beatty, Guy M., Bakersfield, Calif. Cleanout gate valve. 2,652,946, Sept. 22.

Beatty, Hayes W., Ivanhoe, N. C. Portable hoist. 2,631,010, Mar. 10.

Beatty, Joseph M., Pittsburgh, Pa. Mounting bracket for oil filters. 2,633,991, Apr. 7.

Beatty, John L., Milwaukee, Wis. Hand shield. 2,651,776, Sept. 15.

Beatty, John W., Lansdowne, Pa., assignor to General Electric Company. Electric circuit breaker. 2,645,697, July 14.

Beatty, William E., assignee: *See*—
Dupy, Olin L.

Beatty, William G., assignor to Beatty Bros. Limited, Fergus, Ontario, Canada. Demountable animal pen assembly. 2,652,025, Sept. 15.

Beatty, William R., Highlands, N. J., and O. A. Short, Staten Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Mat finish enamels for aluminum. 2,642,364, June 16.

Beaubaire, Marshall B., and M. E. Strand, Minneapolis, Minn. Receptacle closure. 2,662,656, Dec. 15.

Beauchamp, David N., Whittier, Calif., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Coating composition comprising a polyamide and a phenol-formaldehyde resin dissolved in an aqueous alcohol solution. 2,662,865, Dec. 15.

Beauchamp, Wilfred A.: *See*—
Madland, Thorvald, and Beauchamp.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Railway house car. 2,632,212, Mar. 24.

Beauchamp, Wilfred A., Chicago, Ill., assignor to Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable door. 2,658,243, Nov. 10.

Beaudrot, Charles L., Jr., Hapeville, Ga. Roller file. 2,638,280, May 12.

Beaudry, George D., and J. T. Longdon, Chicago, Ill., and T. R. Brink, Michigan City, Ind., assignors to International Harvester Company. Ball bearing washing machine. 2,654,378, Oct. 6.

Beaudry, John R., Minneapolis, Minn. Mechanical hearing aid. 2,641,328, June 9.

Beaufoy, Raymond, assignor to British Telecommunications Research Limited, Taplow, England. Electric wave distorting network. 2,644,037, June 30.

Beaulieu, Ezra J., Downers Grove, L. E. Haagensen, Barrington, and O. Scharer, Chicago, Ill. assignors to Western Electric Company, Incorporated, New York, N. Y. Device for winding wire about terminals. 2,648,356, Aug. 11.

Beaulne, Albert H., assignee: *See*—
Dales, John D.

Beauloye, Alfred F.: *See*—
Beauloye, Max, H. Beauloye, Jr., and A. F. Beauloye.

Beauloye, Henry, Jr.: *See*—
Beauloye, Max, H. Beauloye, Jr., and A. F. Beauloye.

Beauloye, Max, H. Beauloye, Jr., and A. F. Beauloye, San Diego, Calif. Portable boring mill. 2,645,139, July 14.

Beaumont Birch Company, assignee: *See*—
Hampton, John H.

Beaunit Mills, Inc., assignee: *See*—
Eycleshimer, Ralph W.

Beauvais, Max, and G. A. C. Bey, Paris, France, assignors to E. Woog, Lausanne, Switzerland. Display rack support. 2,646,175, July 21.

Beaver, Charles E., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator for gas separation. 2,646,132, July 21.

Beaver Cloth Cutting Machines, Inc., assignee: *See*—
Fleisher, Harry.

Beaver, David J., Richmond Heights, assignor to Chemical Company, St. Louis, Mo. 1,3-bi phenyl) guanidine. 2,633,474, Mar. 31.

Beaver, David J., Richmond Heights, assignor santo Chemical Company, St. Louis, Mo. Vu rubber and products thereof. 2,647,935, Au

Beaver, David J., Richmond Heights, assignor santo Chemical Company, St. Louis, Mo. Pr of arylenethiazole vulcanization accelerators. Aug. 18.

Beaver, Oren M., Tulsa, Okla. Case for protecti fishing hooks. 2,657,497, Nov. 3.

Beaver Pipe Tools, Inc., assignee: *See*—
Pealer, Robert B.

Beaver, Richard W., and C. P. Sweeny, ass Electro-Plastic Fabrics, Incorporated. Pul Flexible thermoplastic fastener. 2,656,541, O

Beaverbrook Moulding Company, The, assignee Thomson, John C.

Beaverite Products, Inc., assignee: *See*—
Conden, Earl R.

Beavin, Lewis R., Oklahoma City, Okla. A heating and cooling apparatus. 2,655,349, O

Beazley, Charles, Chicago, Ill. Acoustic sleep apparatus. 2,644,153, June 30.

Bebech, Michael J., Masury, assignor to Poe M Engineering Company, Cleveland, Ohio. C drum. 2,638,283, May 12.

Beber, Samuel L., and J. H. Felg, Los Angel Collar for recessed lighting fixtures, and ot 2,630,235, Mar. 3.

Bebinger, Charles N., New Philadelphia, Ohio, a Joy Manufacturing Company. Shaker 2,633,232, Mar. 31.

Bebinger, Charles N., New Philadelphia, Ohio, to Joy Manufacturing Company, Pittsburgh, inforced flexible conveyor strip. 2,646,867.

Bebinger, Charles N., New Philadelphia, Ohio, a Joy Manufacturing Company. Material load ratus. 2,650,692, Sept. 1.

Bebinger, Charles N., New Philadelphia, Ohio, to Joy Manufacturing Company. Material lo paratus. 2,655,246, Oct. 13.

Bebry Bedding Corporation, assignee: *See*—
Bebry, Peter P.

Bebry, Peter P., assignor to Bebry Bedding Co Bayonne, N. J. Love seat bed. Re. 23,616, Ja

Bebry, Peter P., Jamaica, N. Y., assignor to Beb Corporation, Bayonne, N. J. Love seat bed silient front panel. 2,624,888, Jan. 13.

Bech, Jørgen, Lyngby, Denmark. Guiding devic machines. 2,638,387, May 12.

Bechard, Conrad E., Mayfield Heights, Ohio, Levand, Jr., Philadelphia, Pa., assignors t Electric Company. Mount loading guide. Sept. 29.

Bechberger, Paul F., Tenafly, and J. E. Bevins assignors to Bendix Aviation Corporation, N. J. Air speed indicating device. 2,66[illegible]2

Bêché, Hans P., Huckeswagen, Rhineland, Germa hammer for swaging steel. 2,652,811, Sept.

Bechik Products, Inc., assignee: *See*—
Ferguson, J Allen.

Bechler, André, Moutier, Switzerland. Guard tion for machine tools. 2,648,239, Aug. 11.

Bechler, André, Moutier, Switzerland. Guard machine tools. 2,655,067, Oct. 13.

Bechler, André, Moutier, Switzerland. Automa cutting machine. 2,664,032, Dec. 29.

Bechman, William O., and N. J. Palkovic, Ch assignors to International Harvester Company speed transmission for vehicles. 2,661,634, D

Becht, Benno: *See*—
Kleiner, Helmut, Bayer, and Becht.

Bechtold, Jack R.: *See*—
Iddings, Charles D., Bechtold, and Borg.

Bechtold, Henry L., Grantwood, N. J., assignor can Machine & Foundry Company. Cigarett inking mechanism. 2,656,789, Oct. 27.

Bechtold, Max F., Kennett Square, Pa., assigno du Pont de Nemours & Company, Wilmin Preparing a homogeneous aqueous colloidal of silica and a hydrous oxide of zinc, alum or columbium and the resulting product. Oct. 27.

Beck, Alfred C., Red Bank, and H. T. Frils, Rum assignors to Bell Telephone Laboratories, Inc New York, N. Y. Wave guide joint. 2,630,48

Beck, Arnold H. W., A. B. Cutting, and A. D. London, England, assignors to International Electric Corporation, New York, N. Y. Electr of the contact type. 2,631,191, Mar. 10.

Beck, Carl E., San Francisco, Calif. Automati power saws. 2,630,622, Mar. 10.

Beck, Carl H., Los Altos, Calif. Effective brake for railroad cars. 2,638,864, May 19.

Beck, Charles E., Park Ridge, assignor to Moto Chicago, Ill. Universal head mounting ha silient positioning pad. 2,642,475, June 16.

Beck, Charles W.: *See*—
Martin, Carl W., Beck, and Pick.

Beck & Co. (Meters) Limited, assignee: *See*—
Soar, Harry G.

Beck, Cyrus, Philadelphia, Pa. Load compensated transfer valve. 2,654,348, Oct. 6.

Beck, Francis X., Woodbury, and H. T. Bent, Jr., Merchantville, N. J., assignors to Radio Corporation of America. Converter circuit. 2,654,836, Oct. 6.

Becker, Frank M., Sinking Spring, Pa. Snowplow. 2,656,623, Oct. 27.

Beck, Gasper P.: *See*—
Fisher, Harland S., and Beck.

Beck, Harry G., assignor of one-half to F. K. Brown, Birmingham, Ala. Fuel burning air heater. 2,631,580, Mar. 17.

Beck, Howard B., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Self-sealing window strip. 2,637,880, May 12.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Flexible toggle seal. 2,625,715, Jan. 20.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Flexible windshield mounting. 2,625,716, Jan. 20.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Rotary suction pump. 2,629,540, Feb. 24.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Refrigerator gasket. 2,659,940, Nov. 24.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Refrigerator gasket. 2,659,941, Nov. 24.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Gasket. 2,660,275, Nov. 24.

Beck, Howard G., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Article isolating and shock absorbing shipping container. 2,660,295, Nov. 24.

Beck, Howard G., assignor to The General Tire and Rubber Company, Akron, Ohio. Apparatus for assembling an elastic tubular rubber insert under radial compression between an outer rigid tube and an inner rigid core. 2,660,780, Dec. 1.

Beck, Joseph E., Milwaukee, Wis., and E. B. Lipski, Oaklawn, Ill., said Lipski assignor to J. E. Beck doing business as Amusement Games Company. Surface projected disk game device. 2,634,130, Apr. 7.

Beck, Martin A., York, Pa. Panel cutter. 2,630,627, Mar. 10.

Beck-Meyer, Christian, Burbank, Calif. Machine for designing intersections. 2,645,040, July 14.

Beck, Ralph F. *See*—
Herndon, Walter B., Beck, and Tuschak.

Beck, Roland A., Fishkill, and E. E. Sensel, Beacon, assignors to The Texas Company, New York, N. Y. Hydrocarbon synthesis. 2,640,845, June 2.

Beck, Thomas M.: *See*—
Woodstock, Willard H., and Beck.

Beck, Vernon S., St. Louis, Mo. Multiple gronp gas burner with independent fuel and secondary air supplies. 2,625,992, Jan. 20.

Beck, Vernon S., St. Louis, Mo. Modulating gas burner. 2,626,105, Jan. 20.

Beck, William R., assignor to Goodman Manufacturing Company, Chicago, Ill. Cable guide. 2,633,309, Mar. 31.

Beckard, Harry F., Unadilla, Nebr. Paper or bill file. 2,627,273, Feb. 3.

Beckberger, La Vern H., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Production of aromatics from petroleum. 2,653,176, Sept. 22.

Beckberger, La Vern H., East Chicago, Ind., and R. C. Woerner, Houston, Tex., assignors to Sinclair Refining Company, New York, N. Y. Catalytic reforming process. 2,661,320, Dec. 1.

Beckberger, La Vern H., East Chicago, Ind., and R. C. Woerner, Houston, Tex., assignors to Sinclair Refining Company, New York, N. Y. Process. 2,661,383, Dec. 1.

Beckel, Arthur C.: *See*—
Belter, Paul A., Smith, Deobald, Singer, and Beckel.

Becker, Benjamin, St. Louis, Mo. Device for softening beards or face steamers. 2,635,605, Apr. 21.

Becker, Brony, New York, N. Y. Violin case cover. 2,627,887, Feb. 10.

Becker, Daniel B., St. Paul, Minn. Artificial hand locking mechanism. 2,629,107, Feb. 24.

Becker, Daniel B., St. Paul, Minn. Artificial hand. 2,631,295, Mar. 17.

Becker, Edward J., South Plainfield, and F. J. Biondi, Livingston, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desulfurizing carbon-coated metals. 2,662,839, Dec. 15.

Becker, Glenn C., assignor to Vacuum Can Company, Chicago, Ill. Portable food container. 2,662,965, Dec. 15.

Becker, Gottfried, Buderich, near Dusseldorf, and F. Steinberg, Dusseldorf-Eller, assignors to Deutsche Edelstahlwerke, Krefeld, Germany. Providing metallic articles with a protective work surface layer. 2,653,210, Sept. 22.

Becker, Hans V., Miami, Fla. Water saving flush tank. 2,645,780, July 21.

Becker, Harry A., assignor to Aktiebolaget Beckerbat, Stockholm, Sweden. High-speed motor boat. 2,634,698, Apr. 14.

Becker, Harry L.: *See*—
Cook, Charles S., and Becker.

Becker, Henry, Los Angeles, Calif. Lipbrush and housing therefor. 2,657,411, Nov. 3.

Becker, Howard I., Rexford, N. Y., assignor to General Electric Company. Pressurized bearing. 2,645,534, July 14.

Becker, Howard I., Vischers Ferry, N. Y., assignor to General Electric Company. Rheostat. 2,624,822, Jan. 6.

Becker, Howard I., Vischers Ferry, N. Y., assignor to General Electric Company. Air bearing. 2,627,443, Feb. 3.

Becker, John E., Darlington Township, Durham County, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada. Rotary fluid coupling. 2,627,166, Feb. 3.

Becker, John E., Darlington Township, Durham County, assignor to Atlas Polar Company Limited, Toronto, Ontario, Canada. Fluid transfer device for rotary pump and turbine fluid couplings. 2,627,167, Feb. 3.

Becker, John E., Darlington Township, Durham County, Ontario, Canada. Fluid circulation control for fluid couplings. 2,644,304, July 7.

Becker, Joseph A., Summit, and H. Christensen, Springfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. High temperature coefficient resistor and making it. 2,633,521, Mar. 31.

Becker, Joseph T., Chicago, Ill. Pole-shoe tool. 2,651,338, Sept. 8.

Becker, Louis, Brooklyn, N. Y. Prefabricated garment construction and method therefor. 2,636,181, Apr. 28.

Becker, Maximilian C., East Orange, N. J. Screw holding screw driver attachment. 2,632,488, Mar. 24.

Becker, Otto A.: *See*—
Nussbaum, Albert, and Becker.

Becker, Otto W., Woodmont, Conn. Fluid controlled alarm system for jails. 2,663,271, Dec. 22.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Self-piercing fastener. 2,627,099, Feb. 3.

Becker, Philip D., Hingham, assignor to United-Car Fastener Corporation, Cambridge, Mass. Sliding caster type support. 2,631,330, Mar. 17.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure member or furniture glide. 2,632,198, Mar. 24.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Three side lock snap fastener. 2,632,222, Mar. 24.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Flanged nut. 2,632,355, Mar. 24.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Furniture glider. 2,637,063, May 5.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure member. 2,637,462, May 5.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Furniture glider. 2,640,219, June 2.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener assembly. 2,640,244, June 2.

Becker, Phillip D., Hingham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Mounting of threaded fastening devices. 2,640,245, June 2.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Device for attaching hubcaps. 2,643,918, June 30.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure member for tube ends. 2,644,978, July 14.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Gripping slider type buckle with fastener element on slider. 2,653,364, Sept. 29.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Swivel fastener 2,653,415, Sept. 29.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Caster. 2,654,113, Oct. 6.

Becker, Philip S., Fairview Township, Erie County, Pa. Power-operated vise. 2,656,820, Oct. 27.

Becker, Orlien N.: *See*—
Stoner, George H., Becker, and Levinson.

Becker, Rodger F., assignee: *See*—
Prince, Gerrit.

Becker, Rodger F., Kalamazoo, Mich. Solenoid controlled cord reel. 2,640,113, May 26.

Becker, Stephen P., R. B. Schoonmaker, and H. R. Wengen, assignors to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Line clamp and mounting tool therefor. 2,633,043, Mar. 31.

Becker, Theodore J.: *See*—
Ruddy, Arlo W., and Becker.

Becker, Walter J., Crown Point, Ind. Toy horse. 2,659,600, Nov. 17.

Beckers, Albert E., East Orange, assignor to National Union Radio Corporation, Orange, N. J. Dark trace cathode-ray tube. 2,661,437, Dec. 1.

Beckett, Clay C., Washington, D. C. Occupant propelled amusement device. 2,643,122, June 23.

Beckett, Donald E. and W. N., assignors of one-quarter to H. W. Harcum and one-quarter to J. B. Harcum, Wilmington, Ohio. Attachment for mechanically actuating the manually operable feed actuator shafts of machine tools. 2,625,844, Jan. 20.

Beckett Paper Company, The, assignee: *See*—
Friedrich, Valentine, Jr.

Beckett, Reginald W., Elyria, Ohio. Motor suspension for oil burners and the like. 2,648,284, Aug. 11.

Beckett, William N.: *See*—
Beckett, Donald E. and W. N.

Beckham, Jefferson R., Atlanta, Ga. Scribing gauge. 2,659,981, Nov. 24.

Beckham, Leland J.: *See*—
Joffe, Jack D., and Beckham.

Beckley, John H., assignor to The Denver Chemical Manufacturing Company, New York, N. Y. Method and means of detecting albumin and globulin in urine and other body liquids. 2,633,410, Mar. 31.

Beckley, Sherman D., assignee: *See*—
Niemann, Henry F.

Beckman, Eugene T., Fowler, Kans. Auxiliary accelerator left foot pedal for power-driven vehicles. 2,645,948, July 21.

Beckman, Gustaf S., Cranston, R. I. Silk reeling machine. 2,644,200, July 7.

Beckman, John C., and E. M. Whitley, San Mateo, assignors to Beckman & Whitley, Inc., San Carlos, Calif. Photographic time recording. 2,641,523, June 9.

Beckman & Whitley, Inc., assignee: *See*—
Beckman, John C., and Whitley.

Beckman, William R., Chicago, and C. E. Crooks, assignors to Spotnails, Inc., Evanston, Ill. Hammer stapler. 2,653,316, Sept. 29.

Beckman, William R., and A. G. Schilke, Chicago, and C. E. Crooks, assignors to Spotnails, Inc., Evanston, Ill. Hammer type stapling machine. 2,653,317, Sept. 29.

Beckmann, Melbourne A., assignor to Aluminum Industries, Inc., Cincinnati, Ohio. Packaging article. 2,656,931, Oct. 27.

Becnel, Herman M., Baton Rouge, La., assignor to Standard Oil Development Company. Return bend for fired coils. 2,639,127, May 19.

Becton Dickinson and Company, assignee: *See*—
Lawshe, Errol R.
Lawshe, Errol R., and Smoot.
May, Edwin A.
Smoot, John H.
Toy, Warren R.

Beewar, Rudolph A., Berwyn, Ill., assignor to Motorola, Inc. Record changer mechanism. 2,640,704, June 2.

Beckwith, Herbert L., Cambridge, Mass., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Combination luminous and acoustical ceiling. 2,659,808, Nov. 17.

Beckwith, Russell, Rochester, N. Y. Bath seat lifting appliance. 2,624,053, Jan. 6.

Bede, James A., Cleveland, Ohio. Multiple passage flexible hose and coupling therefor. 2,663,325, Dec. 22.

Bedell, Karl L.: *See*—
Hollingsworth, John H., and Bedell.

Bedell, Kenneth R.: *See*—
Greiner, John W., Hanze, Kline, Richmond, and Bedell.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Gamma control. 2,627,547, Feb. 3.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,634,324, Apr. 7.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Color television receiver registration system. 2,635,141, Apr. 14.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Automatic gain control system. 2,637,773, May 5.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Television carrier control system. 2,644,942, July 7.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,657,253, Oct. 27.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Mechanical color filter device for use in sequential television systems. 2,661,391, Dec. 1.

Bedford, Alda V., and G. C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America. Multiplexed signal transmission. 2,664,462, Dec. 29.

Bedford, Alexander W., Jr., and E. F. Goetz, Schenectady, N. Y., assignors to General Electric Company. Two-shoe industrial type brake. 2,642,160, June 16.

Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Electric discharge device apparatus. 2,634,382, Apr. 7.

Bedford, Burnice D., Scotia, N. Y., assignor to General Electric Company. Magnetic saturation device. 2,636,158, Apr. 21.

Bedford, Burnice D., and H. L. Kellogg, Scotia, N. Y., assignors to General Electric Company. Phase shifting network. 2,634,397, Apr. 7.

Bedford, Charles F., Houston, Tex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Apparatus for treating wells. 2,642,139, June 16.

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Fastening device. 2,627,094, Feb. 3.

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Cage nut. 2,627,294, Feb. 3.

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Bolt fastener. 2,636,414, Apr. 28.

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Fastening device. 2,636,640, Apr. 28.

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Supporting device. 2,640,672, June 2.

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Locking stud type molding fastener. 2,644,21

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Fastening device. 2,648,410, Aug. 11.

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Bolt with clip retaining means. 2,654,411

Bedford, William A., Jr., North Scituate, as
United-Carr Fastener Corporation, Cambrid
Mounting clip. 2,657,442, Nov. 3.

Bedini, Nerino, assignor to Pirelli Societa pe
Milan, Italy. High-pressure fluid contro
2,646,245, July 21.

Bedker, Emma G., assignee: *See*—
Bedker, Leo W.

Bedker, Leo W., assignor of one-half to E. G. Bed
Detroit, Mich. Broach for shaving roun
2,645,980, July 21.

Bedker, Leo W., assignor of one-half to E. G
East Detroit, Mich. Making thread cutti
2,656,740, Oct. 27.

Bedson, Noel P., Southport, England, assignor
Knox Company, Pittsburgh, Pa. Cooling of t
rod rolling mills. 2,624,178, Jan. 6.

Bedson, Noel P., Southport, England, assignor,
assignments, to Blaw-Knox Company, Pittsb
Universal joint. 2,645,105, July 14.

Beebe, Austin H., Jr., Ann Arbor, assignor to
Mogul Corporation, Detroit, Mich. Bearing.
Apr. 14.

Beebe, Bayard M., Little Silver, N. J. Golf gr
2,628,100, Feb. 10.

Beebe, Dan D., Seattle, Wash. Jig saw. 2,660,
24.

Beebe, Gerald T., Youngstown, Ohio, and H.
Pittsburgh, Pa., assignors to United States
poration. Open floor grating. 2,645,985, July

Beebe, Monroe B., Old Lyme, Conn. Rocking
steerable stub axles. 2,657,939, Nov. 3.

Beebe, Murray C., Jr.: *See*—
Martin, Erle, Beebe, and Anderson.

Beebe, Nathan S., Kansas City, Mo. Armrest
vehicles. 2,658,559, Nov. 10.

Beebe, Nathan S., and J. D. Stanard, Kansas
Motor drive mounting bearing bracket.
Mar. 3.

Beebe, Ward L., St. Paul, Minn. Hypodermi
2,645,224, July 14.

Beeber, Allan R. A., Matawan, assignor to Keuff
Company, Hoboken, N. J. Measuring tape.
Nov. 3.

Beeber, Allan R. A., Matawan, assignor to
Esser Company, Hoboken, N. J. Measur
2,659,153, Nov. 17.

Beech Aircraft Corporation, assignee: *See*—
Howard, Roscoe D., and Samuelson.
Odevseff, Alec S.

Beech, Austin S., assignor to Foundry Equipmen
Leighton Buzzard, England. Hopper and
tainers. 2,642,979, June 23.

Beecham Research Laboratories Limited, assign
Heilbron, Ian, Cook, and Levy.

Beecher, Blanche C., executrix: *See*—
Beecher, Henry W.

Beecher, Henry W., deceased, Seattle, Wash.;
H. W. Beecher, Jr., executors of said H. W
Hearth type furnace. 2,644,431, July 7.

Beecher, Henry W., Jr., executor: *See*—
Beecher, Henry W.

Beech-Nut Packing Company, assignee: *See*—
Hahn, Willard J.
Merz, Paul L., Witzel, and Burhans.

Beecroft, Robert J., New York, N. Y. Stapling
2,632,889, Mar. 31.

Beedle, Eugene C., Bay Village, assignor to The
Burglar Proof Equipment Company, Clevela
Teller's window. 2,648,300, Aug. 11.

Beegle, Lindley C.: *See*—
Hook, Edwin O., and Beegle.

Beegle, Raymond E., East St. Louis, Ill. Eave
2,624,299, Jan. 6.

Beekley, Fred M., Middletown, Ohio. Electric
hog fountains. 2,664,494, Dec. 29.

Beekley, John S., assignor to E. I. du Pont de
and Company, Wilmington, Del. Chlorosulfo
polythene using azo catalysts. 2,640,048, Ma

Beeler, William R., Tampa, Fla. Scrap paper spear. 2,642,306, June 16.

Bee-Line Company, assignee: *See*—
Jacobsen, Le Roy V.

Been, Jerome, and M. M. Grover, Rutherford, assignors to Rubber and Asbestos Corporation, Bloomfield, N. J. Chlorinating natural rubber. 2,637,753, May 5.

Beer, Earl O., Milford, Ind. Automatic boiler and toaster. 2,662,465, Dec. 15.

Beer, Palle-Finn, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Combined record-erase head for magnetic recorders. 2,633,504, Mar. 31.

Beers, Bobbie E., Sweet Home, Oreg., and S. G. Snortland, Valier, Mont. Measuring device for pistons in depth engines. 2,643,459, June 30.

Beers, George J.: *See*—
Kachelski, Albert F., Crimion, and Beers.

Beers, John R., Briarcliff Manor, N. Y. Projection television tube. 2,663,012, Dec. 15.

Beers, Warren L., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vinyl chloride polymer plasticized with 3,5,5-trimethyl-1-hexanol-polybasic acid ester. 2,650,908, Sept. 1.

Beesch, Samuel C., assignor to Publicker Industries Inc., Philadelphia, Pa. Preparing fungal amylase from butanol-acetone fermentation stillage. 2,641,568, June 9.

Beesch, Samuel C., Columbus, Ohio, and M. C. Firman, Philadelphia County, assignors to Publicker Industries Inc., Philadelphia, Pa. Production of riboflavin by Ashbya gossypii. 2,631,120, Mar. 10.

Beesch, Samuel C., and B. W. Fraser, assignors to Publicker Industries Inc., Philadelphia, Pa. Production of riboflavin by microbiological fermentation. 2,647,074, July 28.

Beese, Norman C., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoflash lamp. 2,651,189, Sept. 8.

Beets, James D., Jefferson City, Mo., assignor of forty percent to A. R. Hammett, Jr. Sun visor. 2,634,161, Apr. 7.

Beezley, Reginald R., Memphis, Tenn. Grease seal spacer. 2,649,316, Aug. 18.

Be-Ge Manufacturing Co., assignee: *See*—
Krueger, Frank W.

Beger, Richard E.: *See*—
Bonanno, Joseph L., and Beger.

Beggs, George E., Jr., Warrington, Pa., and A. W. Kozak, Camden, N. J., assignors to Leeds and Northrup Company, Philadelphia, Pa. Calibrating measuring system. 2,663,855, Dec. 22.

Begin, Louis E., assignor to The Dow Chemical Company, Midland, Mich. Esters of 4-chloro-0-toloxyacetic acid. 2,648,701, Aug. 11.

Begle, Howell E., and G. F. Gaudreau, Detroit, Mich.; said Gaudreau assignor to said Begle. Rotary cutter. 2,648,893, Aug. 18.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Control circuit for signal recording and reproducing systems. 2,629,861, Feb. 24.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Apparatus for producing variable width magnetic recordings. 2,632,061, Mar. 17.

Begun, Semi J., Cleveland Heights, assignor, by mesne assignments, to Clevite Corporation, Cleveland, Ohio. Magnetic record transducing system and guide structure. 2,658,762, Nov. 10.

Begun, Semi J., assignor, by mesne assignments, to Clevite Corporation, Cleveland, Ohio. Magnetic recording and reproducing. 2,658,956, Nov. 10.

Begwaco Meters Limited, assignee: *See*—
Butterworth, Edward, and Hinchcliffe.

Behnisch, Robert: *See*—
Klarer, Joseph, and Behnisch.
Schmidt, Hans, and Behnisch.
Schmidt, Hans, Behnisch, and Mietzsch.
Schmidt, Hans, Mietzsch, and Behnisch.

Behnke, Edward: *See*—
Jacobsson, Wilgot J., and Behnke.

Behnke, Otto: *See*—
Bergman, Harry, and Behnke.

Behr, Henry, assignee: *See*—
Burke, Stephen T., Jr.

Behr, Philip W., Kew Gardens, N. Y. Feather dispensing unit. 2,653,744, Sept. 29.

Behr, Siegfried, Flushing, N. Y. Hair holder. 2,637,328, May 5.

Behrend, William L., Princeton, N. J., assignor to Radio Corporation of America. Color television camera. 2,641,642, June 9.

Behrens, Derick J.: *See*—
Wolff, Heinz S., Story, and Behrens.

Behrens, Herbert C., assignor to Diebold, Incorporated, Canton, Ohio. Combination lock. 2,645,923, July 21.

Behrens, Herbert C., assignor to Diebold, Incorporated, Canton, Ohio. Rotary card index drive mechanism. 2,648,586, Aug. 11.

Behrens, Herbert C., assignor to Diebold, Incorporated, Canton, Ohio. Combination lock. 2,656,705, Oct. 27.

Behrens, Herbert C., assignor to Diebold, Incorporated, Canton, Ohio. Combination lock. 2,658,374, Nov. 10.

Behrens, Warren V.: *See*—
Stringfield, Theodore W., Stevens, Spaulding, and Behrens.

Behrens, William H., Postville, assignor to Collins Radio Company, Cedar Rapids, Iowa. Device for limiting rotary motion. 2,655,811, Oct. 20.

Behringer, Hermann, assignor to Bayerische Motoren Werke AG., Munich, Germany. Change speed and starting gearing for motorcycles. 2,644,439, July 7.

Beidler, Edward A.: *See*—
Crowley, Henry L., Graham, and Beidler.

Beidler, Edward A., Columbus, assignor, by mesne assignments, to Crowley-Republic Steel Corporation, Cleveland, Ohio. Low-temperature reduction of nickel chloride. 2,642,356, June 16.

Beidler, Edward A., Columbus, assignor, by mesne assignments, to Crowley-Republic Steel Corporation, Cleveland, Ohio. Low-temperature reduction of cobalt chloride. 2,642,357, June 16.

Beierle, Ferdinand, Detroit, Mich. Baseball game board. 2,626,155, Jan. 20.

Beiger, John W., South Bend, Ind. Collapsible hinged table. 2,639,523, May 26.

Beil, Harold A., Youngstown, Ohio. Arcuate roller conveyer for cables. 2,629,768, Feb. 24.

Beiler, Jay M.: *See*—
Martin, Gustav J., Beiler, Avakian, and Moss.

Beimel, Henry L., Cambridge, assignor to American Locker Company, Inc., Boston, Mass. Coin magazine for coin-controlled locks. 2,634,848, Apr. 14.

Bein, Harold R., Sr., Westfield, Mass. Hair curler. 2,645,233, July 14.

Beisner, Lowell E., Elmwood Park, Ill. Speed reducer device. 2,641,139, June 9.

Beitz, Richard C., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectrophotometer. 2,630,736, Mar. 10.

Bekker, Mieczyslaw G., Hudson County, N. J. Tracked gear with cushioned lubricated leakproof skid suspension. 2,652,289, Sept. 15.

Bekker, Mieczyslaw G., Washington, D. C. Mobile support. 2,652,290, Sept. 15.

Bekoff, Irving, Brooklyn, N. Y. Display card and tray unit. 2,630,914, Mar. 10.

Belasco, Harold G., assignee: *See*—
Turnberg, Clarence F.

Belcher, Daniel, Minneapolis, Minn., and R. J. Williams, Richmond Heights, and M. J. Helmos, Lemay, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Manufacture of window bags. 2,662,578, Dec. 15.

Belcher, George E., Company, assiguee: *See*—
Fitzpatrick, William J.

Belcher, Harold H., Orange, Mass., assignor to Rodney Hunt Machine Company. Apparatus for dyeing. 2,641,121, June 9.

Belco Industrial Equipment Division, Inc., assignee: *See*—
Rhinehart, John R., and Eshrich.

Belden, Byron B., Media, Pa., and K. W. Hall, Ann Arbor, Mich., assignors to Baldwin-Lima-Hamilton Corporation. Feeder mechanism. 2,632,208, Mar. 24.

Belden, Eileen, Lynbrook, N. Y. Toy theater. 2,634,544, Apr. 14.

Beldin, Royal L.: *See*—
Roscoe, Merrill W., and Beldin.

Belding, Donald G., Orrville, Ohio. Jet-propelled toy boat. 2,624,975, Jan. 13.

Belford, Dale, assignee: *See*—
Thompson, Thomas F.

Belgard, Austin B., Evanston, Ill. Segment measuring device for lenses. 2,632,257, Mar. 24.

Belgau, Robert C., Detroit, Mich. Cargo carrier for motor vehicles. 2,663,472, Dec. 22.

Belham, Michael: *See*—
Kerridge, Frank E., Belham, and Pearce.

Belile, Raymond G.: *See*—
Belisle, Adrian J., and Belile.

Belisle, Adelard J., South Hadley, assignor to The Berkline Corporation, Chicopee Falls, Mass. Cushion support assembly. 2,642,931, June 23.

Belisle, Adelard J., South Hadley Falls, assignor to The Berkline Corporation, Chicopee Falls, Mass. Reclining chair. 2,663,357, Dec. 22.

Belisle, Adrian J., and R. G. Belile, Wichita, Kans., said A. J. Belisle assignor to M. P. Belisle, Bobby pin dispenser, opener, and releaser. 2,633,138, Mar. 31.

Belisle, Mary P., assignee: *See*—
Belisle, Adrian J., and Belile.

Belitz, Hans G.: *See*—
Davis, Oliver F., and Belitz.

Belitz, Hans G., Dayton, and O. F. Davis, Troy, assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Method and apparatus for gas plating. 2,631,948, Mar. 17.

Belknap, William J., Corning, N. Y. Suction-operated device for scrubbing and drying floors. 2,635,277, Apr. 21.

Belknap, William J., Framingham, Mass. Floor drying apparatus containing baffle structure for separation of entrained liquid. 2,635,278, Apr. 21.

Bell Aircraft Corporation, assignee: *See*—
Harriman, Thomas J., and Bassett.
Kelley, Bartram.
Young, Arthur M.

Bell, Alan, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. 2-ethyl butyric acid and 2-ethyl hexoic acid esters of 2,2,4-trimethyl pentane diol-1,3. 2,625,563, Jan. 13.

Bell, Alan and G. C. De Croes, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Esters of 2,2-dimethyl malonic acid. 2,632,769, Mar. 24.

Bell, Alan, and D. J. Shields, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of fats and oils with 2,5-dihydroxyphenyl dimethyl carbinol and related antioxidants. 2,639,288, May 19.

Bell, Alan and B. Thompson, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. 2,2-dimethylpropanediol - 1,3 di - (2 - ethylhexanoate). 2,654,775, Oct. 6.

Bell, Alan, and M. B. Knowles, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Esterifying carbocyclic carboxylic acids. 2,659,750, Nov. 17.

Bell, Alfred B., Philadelphia, Pa. Bed lifter. 2,650,795, Sept. 1.

Bell, Albert E.: *See*—
Layte, Ralph R., and Bell.

Bell, Albert E., Union, assignor to Purolator Products, Inc., Newark, N. J. Filter unit construction. 2,642,187, June 16.

Bell, Clarence D.: *See*—
Gresham, William F., and Bell.

Bell, David A., Birmingham, assignor to British Telecommunications Research Limited, Taplow, England. Mechanical scanning device. 2,661,393, Dec. 1.

Bell, David B., Long Beach, Calif. Liquid feeding apparatus. 2,642,886, June 23.

Bell, David B., Long Beach, Calif. Control for closed vessels. 2,643,025, June 23.

Bell, David B., Long Beach, Calif. Liquid feeding apparatus. 2,643,103, June 23.

Bell, Edward R., and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of organic hydroperoxides. 2,630,456, Mar. 3.

Bell, Elva L., Spokane, Wash. Window pane securing strip. 2,637,422, May 5.

Bell, Ernest P.: *See*—
Tischler, Nathaniel, and Bell.

Bell, Floyd I., Lead, S. Dak. Protruding hemorrhoid supporter. 2,653,599, Sept. 29.

Bell, Franklin P., Walnut Creek, Calif. Kite. 2,648,508, Aug. 11.

Bell, Francis H., Canton, Ohio. Insulation for thermocouple head and arm. 2,631,179, Mar. 10.

Bell, Francis R., assignor to The Rover Company Limited, Solihull, England. Heat interchange apparatus. 2,642,897, June 23.

Bell, Frank V., Stoney Creek, Ontario, Canada. Automatic blade control for road graders and the like. 2,636,290, Apr. 28.

Bell, George W., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Wire-laying machine. 2,629,564, Feb. 24.

Bell & Gossett Company, assignee: *See*—
Birkemeier, Henry P.
Hofmeister, Maurice H.
Moore, Robert E.
Tidd, Edwin B.

Bell, Gustav F., Van Nuys, Calif. Filter holder. 2,627,207, Feb. 3.

Bell & Howell Company, assignee: *See*—
Craib, James F.
Goldberg, Emanuel.
Johnson, Elmer L.
Mueller, Arthur C.
Strauss, Edward E.
Townsley, Malcolm G.
Wightman, William W.

Bell, James, Pinner, assignor to The M-O Valve Company Limited, London, England. Ultrahigh-frequency thermionic valve. 2,640,946, June 2.

Bell, James S., Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Crystal controlled oscillator. 2,639,387, May 19.

Bell, Jessie, Tacoma, Wash. Two-wheeled child's carriage. 2,661,959, Dec. 8.

Bell, John E.: *See*—
Marchant, Francis C. I., and Bell.

Bell, John F., Glenview, and R. M. Nordby, Skokie, Ill., assignors to Zenith Radio Corporation. Wave signal frequency-changing system with constant current biased frequency changing device. 2,640,919, June 2.

Bell, John F., Glenview, Ill., assignor to Zenith Radio Corporation. Ultrahigh-frequency oscillation generator. 2,663,799, Dec. 22.

Bell, Joseph D., deceased, San Francisco, Calif.; P. B. Bell, administratrix. Massaging device. 2,633,123, Mar. 31.

Bell, Joseph D., deceased, San Francisco, Calif.; P. B. Bell, administratrix. Lounge chair. 2,633,181, Mar. 31.

Bell, Joseph D., deceased, San Francisco, Calif.; P. B. Bell, administratrix. Exercise machine. 2,642,288, June 16.

Bell, Joseph D., deceased, San Francisco, Calif.; P. B. Bell, administratrix. Chair bed. 2,663,354, Dec. 22.

Bell Machine Company, The, assignee: *See*—
Schafer, Frank.

Bell, Millard J., Grand Rapids, assignor to N[illegible] gineering Company, Newaygo, Mich. San[illegible] trol mechanism. 2,627,356, Feb. 3.

Bell, Noel G., London, England. Crane. 2,6[illegible] 29.

Bell, Noel G., South Kensington, London, Eng[illegible] driving hammer. 2,647,373, Aug. 4.

Bell, Orlando J., and C. P. Harvey, Windsor, N[illegible] able piston knurling tool. 2,635,491, Apr.

Bell, Pearl B., administratrix: *See*—
Bell, Joseph D.

Bell, Persa R., Jr., Cambridge, Mass., assignor[illegible] assignments, to the United States of Ameri[illegible] sented by the Secretary of the Navy. Aut[illegible] quency control. 2,627,024, Jan. 27.

Bell, Persa R., Jr., Cambridge, Mass., assigno[illegible] assignments, to the United States of Ameri[illegible] sented by the Secretary of War. Instanta[illegible] matic gain control circuit. 2,644,083, Jun[illegible]

Bell, Persa R., Jr., Cambridge, Mass., assigno[illegible] assignments, to the United States of Ameri[illegible] sented by the Secretary of War. Noise limi[illegible] 2,646,502, July 21.

Bell Punch Company Limited, assignee: *See*—
Webb, Christopher F.

Bell, Ralph E., assignor to Kirsch Compan[illegible] Mich. Curtain rod bracket elevator. 2,651,4[illegible]

Bel-Ray Company, Inc., assignee: *See*—
Kiefer, William C.

Bell, Richard A.: *See*—
Morse, John W., Miles, and Bell.

Bell, Richmond T., Grays Lake, assignor to T[illegible] Company, Chicago, Ill. Production of m[illegible] 2,647,151, July 28.

Bell, Rupert B., assignor to King-Seeley Corpo[illegible] Arbor, Mich. Switch. 2,627,567, Feb. 3.

Bell, Rupert B., Ann Arbor, Mich. Auton[illegible] maker. 2,655,859, Oct. 20.

Bell Telephone Laboratories, Incorporated, *See*—
Albano, Vincent J.
Albersheim, Walter J.
Anderson, Alva E., and Sears.
Anderson, Fred A., Blattner, and Miller.
Anderson, Frithiof B.
Anderson, John R.
Augustadt, Herbert W.
Babcock, Wallac C., and Nylund.
Barney, Harold L.
Barry, Joseph F., and Ruggles.
Beck, Alfred C., and Frils.
Becker, Edward J., and Biondi.
Becker, Joseph A., and Christensen.
Bennett, William R.
Berger, Urlah S.
Blair, Royer R.
Boardman, Edward M., and Wooley.
Bollman, John H.
Bond, Walter L., Sparks, and Teal.
Boothby, Otis L., and Wenny.
Bostwick, Lee G.
Bowen, Arnold E.
Branson, David E.
Branson, David E., and Locke.
Brattain, Walter H.
Brown, Henry B.
Brown, John T. L.
Brown, John T. L., and Ellwood.
Buch, Peter E.
Buchanan, Russell B.
Buhrendorf, Frederick G.
Burton, Everett T.
Callahan, Vincent T., and Fry.
Callaway, William B.
Carbrey, Robert L.
Carbrey, Robert L., Cutler, and Feldman.
Carpenter, Warren W., and Murphy.
Carr, James A., Haskell, Sutton, and Walt[illegible]
Cesareo, Orfeo.
Christensen, Howard.
Cisne, Luther E.
Clarke, Walter J.
Coyne, Howard L., and Mesch.
Crump, Elmo E.
Curry, Robert O. L.
Cutler Cassius C.
Dahlbom, Carl A., and Weaver.
Darlington, Sidney.
Darlington, Sidney, and Lundstrom.
Davey, James R.
Davis, Kingsbury H., and Norwine.
Depp, Wallace A.
Dietrich, Anselm F.
Dimond, Thomas L.
Doba, Stephen, Jr.
Doba, Stephen, Jr., and Rieke.
Doherty, William H.
Dorff, Louis A.
Duhrendorf, Frederick G.
Ebers, Jewell J.
Edson, James O.
Edson, Robert C.
Edwards, Paul G.
Edwards, Paul G., and Wurmser.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Continued.
Ellwood, Walter B.
Espenschied, Lloyd, and Skellett.
Felch, Edwin P., Jr., and Merrill.
Feldman, Carl B. H.
Flint, Erlon W.
Fogarty, Edward J., and Rippere.
Ford, Gaylon T.
Ford, Gaylon T., and Walsh.
Fritschi, Walter W., Soffel, and Weaver.
Fullerton, William O.
Gannett, Danforth K.
Gardner, Leland A., and Rea.
Garfield, Owen R.
Gibson, Earl S.
Goddard, Charles T.
Gooderham, John W.
Graham, Robert E.
Gray, Frank.
Green, Estill I.
Haines, William T., and Newsom.
Hall, Nathan I., and Warren.
Hampton, Leon N., and Salzer.
Harazim, Stanley J.
Harley, Joseph J.
Harrison, Charles W.
Hays, James B., Jr.
Helsing, Raymond A.
Henry, Israel H.
Hersey, Ralph E.
Hickman, Clarence N.
Hilsinger, Harry A., Jr.
Hines, Marion E.
Holbrook, Bernard D., and Lundstrom.
Holbrook, Bernard D., Lundstrom, and Malthaner.
Holden, William H. T.
Hollenberg, Arthur V.
Holman, Erwin W.
Hopkins, Harris F.
Hoth, Daniel F., and Soffel.
Houghton, Edward W.
Hussey, Luther W.
Ilgenfritz, Lester M.
Insley, Norman, and Tanner.
Jenkins, Reginald T.
Joel, Amos E., Jr.
Joel, Amos E., Jr., and Rippere.
Jones, Theodore A.
Kalin, Walter, and Power.
Kempf, Raymond A.
Kernahan, John J. J.
Ketchledge, Raymond W.
King, Archie P.
King, John H.
Kircher, Reymond J.
Knandel, George J.
Kock, Winston E.
Kock, Winston E., and Schimpf.
Koenig, Walter, Jr.
Koerner, Lawrence F.
Kreer, John G., Jr.
Krom, Myron E.
Lakatos, Emory, and McMillan.
Lander, James J.
Langabeer, Harvey T.
Lavery, Grant G.
Legg, Victor E., and Owens.
Lewis, Benjamin F.
Lewis, Willard D.
Locke, George A., and Weaver.
Lovell, Clarence A.
Lundstrom, Alexis A.
Lundstrom, Alexis A., and Malthaner.
MacWilliams, Walter H., Jr.
Madden, James J.
Mallery, Paul.
Mallina, Rudolph F.
Mallina, Rudolph F., and Melick.
Mallinckrodt, Charles O.
Maloney, Martin E.
Malthaner, William A., Newby, and Vaughan.
Malthaner, William A., and Vaughan.
Mason, Warren P.
McDavitt, Marcellus B.
McKim, Burton.
McMillan, Brockway.
Meacham, Larned A.
Meacham, Larned A., and Michaels.
Melick, John M.
Merrill, Josiah L., Jr.
Michael, Henry J.
Miller, Ralph L.
Miloche, Herman A.
Mogler, John H.
Mohr, Milton E.
Montgomery, Harold C.
Morin, Francis J.
Morrison, James, Jr.
Mougey, Wilbur E.
Mueller, George E.
Newby, Neal D., and Vaughan.
Oliver, Bernard M.
Ostendorf, Bernard, Jr.

Bell Telephone Laboratories, Incorporated, assignee: *See* - Continued.
Ostendorf, Bernard, Jr., and Vanderlippe.
Parkinson, David B.
Pearson, Gerald L.
Peek, Robert L., Jr.
Peters, Henry.
Peterson, Eugene.
Peterson, Liss C.
Pierce, John R.
Pollard, Charles E., Jr.
Potter, James A.
Potter, Ralph K.
Quarles, Donald A.
Rack, Alois J.
Radcliffe, Frederick E.
Raisbeck, Gordon, and Wallace.
Rea, Wilton T.
Reck, Frank.
Retallack, John B.
Riddell, George, and Soucy.
Rieke, John W.
Ring, Douglas H.
Robertson, Donald D.
Robertson, Donald D., and Wurmser.
Robertson, Sloan D.
Rose, Charles F. P.
Rullson, Raymond L., and Teal.
Ryder, Robert M.
Schelleng, John C.
Schimpf, Luther G.
Schneckloth, Harry H.
Schneider, Herbert A.
Shepherd, William G.
Shive, John N.
Shockley, William.
Shower, Edmund G.
Singer, Fred J.
Smith, Edward M.
Southworth, George C.
Sparks, Morgan.
Sparks, Morgan, and Teal.
Spencer, Harry H.
Steinberg, John C.
Stieritz, William G.
Stropnicky, Joseph F
Taylor, Edmund R.
Teal, Gordon K.
Thompson, Richard K., Jr.
Thurber, Elmer A., and Wooten.
Townsend, Mark A.
Trent, Robert L.
Treuting, Robert G.
Valdes, Leopoldo B.
Vance, Robert L.
Von Gugelberg, Hans L.
Vroom, Edward.
Waddell, John H.
Wallace, Robert L., Jr.
Walsh, Edward J.
Warner, Arthur W., Jr.
Weaver, Allan.
West, John W.
Wier, Anthony J.
Willard, Gerald W.
Winslow, Field H.
Wintringham, William T.
Young, William R., Jr.
Ziegler, Arthur W.

Bell, Thomas A., Petersham, near Sydney, assignor of one-half to E. S. Sutton, Gordon, near Sydney, New South Wales, Australia. Zeroizing mechanism for computer machines. 2,641,411, June 9.

Bell, Walter G., Cumberland, Md. Billiard cue chalking means. 2,628,096, Feb. 10.

Bellairs, Guy f., London, and J. C. Ireland, Tunbridge Wells, assignors to British Telecommunications Research Limited, Taplow, England. Selector. 2,639,417, May 19.

Bellamy, John I.: *See*—
Saunders, Norman H., Hackett, and Bellamy.

Bellamy, John I., Wheaton, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Control and marking circuits for adding-type impulse counters. 2,634,403, Apr. 7.

Bellamy, John I., Wheaton, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Selecting and actuating mechanism for cross-bar switches. 2,643,299, June 23.

Belle City Malleable Iron Company, assignee: *See*—
Anderson, Russell J.

Bellin, Alvin J., assignor to National Store Fixture Co. Inc., Baltimore, Md. Chair construction. 2,630,858, Mar. 10.

Bellinger, Thaddeus F., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Synchronous motor protective system operative on pull-out. 2,632,875, Mar. 24.

Bellinghieri, Santo, New York, N. Y. Smoking pipe seasoner and rejuvenator. 2,639,716, May 26.

Bellini, Eugene, Jackson, Ala. Warp guide bar operating mechanism. 2,625,023, Jan. 13.

Bellini, Eugene, Jackson, Ala., assignor to Vanity Fair Mills, Inc., Reading, Pa. Rocker arm for knitting machines and the like. 2,656,729, Oct. 27.

Bellis, Max W.: *See*—
Smith, Russell M., and Bellis.

Belloff, Fred P., and T. R. Bevacqua, Chicago, Ill. Barber clipper holder. 2,639,880, May 26.

Bellows Company, The, assignee: *See*—
Bellows, Lewis F. R.

Bellows, Foy E., Dallas, Tex. Hand supportable clamp and bench mount therefor. 2,660,079, Nov. 24.

Bellows, Lewis F. R., Detroit, Mich., assignor to The Bellows Company, Akron, Ohio. Fluid-powered engine. 2,641,229, June 9.

Bellringer, Frederick J., Wimbledon, London, T. Bewley, Epsom, R. C. Snell, Hull, and K. H. W. Turck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of methyl acrylate. 2,649,475, Aug. 18.

Bellstaedt, Gustav, New York, N. Y. Internal measuring instrument. 2,644,239, July 7.

Belmont, Frank, Anaheim, Calif. Bagging machine. 2,657,003, Oct. 27.

Belmont Radio Corporation, assignee: *See*—
Hills, Elmer G.

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.
Hornbostel, Lloyd, and Beachler.
Justus, Edgar J.

Belpedio, Jobby, Bridgeport, Conn. Crown cap removing and retaining implement. Re. 23,731, Nov. 10.

Belpedio, Jobby, Bridgeport, Conn. Wedge rope clamp. 2,629,155, Feb. 24.

Belpedio, Jobby, Bridgeport, Conn. Lever type vacuum cap lifter. 2,646,705, July 28.

Belshaw, Philip L., and F. Irving, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 2,5 : di - (1 - amino - 4 - aroylamino-2-anthraquinonyl)-1 :3 :4-oxdiazoles and method for their preparation. 2,629,718, Feb. 24.

Belshaw, Thomas E., Seattle, Wash. Dough former. 2,643,621, June 30.

Belshaw, Thomas E. and W. R., Seattle, Wash. Dough former. 2,637,282, May 5.

Belshaw, Walter R.: *See*—
Belshaw, Thomas E., and W. R.

Belshaw, Walter, Seattle, Wash., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool 2,639,494, May 26.

Belsinger, Inc., assignee: *See*—
Belsinger, Jack R.
Belsinger, Samuel P.

Belsinger, Jack R., Cynwyd, Pa., assignor to Belsinger, Inc., Atlanta, Ga. Heavy duty fiber container. 2,648,484, Aug. 11.

Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy-duty fiber container. Re. 23,729, Oct. 27.

Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta Ga. One-piece fiber board shipping container. 2,635,802 Apr. 21.

Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Easy packing deep container. 2,648,480, Aug. 11.

Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy duty fiber container. 2,648,481, Aug. 11.

Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy duty fiber container. 2,648,482, Aug. 11.

Belsinger, Samuel P., assignor to Belsinger, Inc., Atlanta, Ga. Heavy duty fiber container. 2,648,483, Aug. 11.

Belsky, Charles, Detroit, Mich. Toolholder. 2,632,244, Mar. 24.

Belsky, Charles, Detroit, Mich. Puzzle. 2,655,382, Oct. 13.

Belt Corporation, The, assignee: *See*—
Belt, Vernon C.

Belt, Vernon C., assignor to The Belt Corporation, Orient, Ohio. Dolly frame for material-conveying elevators. 2,646,157, July 21.

Belter, Paul A., Pekin, A. K. Smith, H. J. Deobald, and P. A. Singer, Peoria, Ill., and A. C. Beckel, deceased, Peoria, Ill., by E. F. Gury, administrator, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of proteinaceous soybean material using isopropanol. 2,635,094, Apr. 14.

Beltman, George C., and D. H. Sweet, Chicago, Ill.; said Sweet assignor to said Beltman. Car retarder. 2,633,210, Mar. 31.

Beltz, George W., Cuyahoga Falls, assignor to The Sun Rubber Company, Barberton, Ohio. Drinking and wetting doll with sound effects. 2,653,411, Sept. 29.

Beltz, Rober C.: *See*—
Glaze, Herbert L., and Beltz.

Bem, Joseph P., San Jose, Calif. Mop and shaker rod. 2,644,184, July 7.

Beman, Floyd L., assignor to The Dow Chemical Company, Midland, Mich. Pentachlorophenyl ester of trichloroacetic acid. 2,658,071, Nov. 3.

Bemis Bro. Bag Company, assignee: *See*—
Barnes, Marshall C.
Belcher, Daniel, Williams, and Helmos
Brady, Charles V., and Ottinger.
Brady, Charles V., and Williams.
Claridge, Robert A., and Thomas.
Davis, Harold C.
Kindseth, Harold V.

Bemis Bro. Bag Company, assignee: *See*—Continued.
Kindseth, Harold V., and Fox.
Marsh, Clifford J.
Stange, Delmar.
Weeks, Norman E.

Bemiss-Jason Company, assignee: *See*—
Meller, Reginald B.
Pagendarm, Edward J.

Bemiss-Jason Machine Co., assignee: *See*—
Baker, Thomas R., and Pagendarm.

Bemiss-Jason Machine Co., Inc., assignee: *See*—
Baker, Thomas R., and Lefief.

Bemmels, Cyrus W., New Brunswick, N. J., assignor to Permacel Tape Corporation. Adhesive tape. 2,647,843, Aug. 4.

Benade, James M., Chicago, Ill., E. E. Goodale, Hiram, Ohio, and W. P. Jesse, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radioactive resistor. 2,629,837, Feb. 24.

Benaglio, Reno V., and R. Nymberg, assignors to Bendix Aviation Corporation, Detroit, Mich. Decoding information translator. 2,625,600, Jan. 13.

Benak, George R., assignor to R. T. Moloney, Chicago, Ill. Shiftable ball rolling board and control therefor. 2,658,755, Nov. 10.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Pull-operated switch. 2,629,789, Feb. 24.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Electric portable lamp and lamp socket assembly. 2,652,485, Sept. 15.

Benander, George B., Oaklawn, R. I., assignor to General Electric Company. Threaded nozzle clip for lamp sockets. 2,652,548, Sept. 15.

Benander, George B., Oaklawn, R. I., and G. R. Lawson, Abington, Mass., assignors to General Electric Company. Electrical connector with insulation piercing means contacting the conductors of electric cords. 2,655,639, Oct. 13.

Benbow, Burtis W., Benbow, Calif. Portable hand drill. 2,637,225, May 5.

Benbow, Charles M., Anderson, Ind. Attachment for side delivery hay rakes. 2,625,000, Jan. 13.

Benbury, George W., Drexel Hill, and H. W. Ingham, Lansdowne, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Container having a flexible nozzle and a flexible cap. 2,663,463, Dec. 22.

Bench, David E.: *See*—
Cool, Kenneth A., Hush, Ernst, and Bench.
Holt, Frederick W., Jr., Bench, and Ernst.

Benchemoul, Norbert R., Paris, France. Liquid resistance electrical apparatus. 2,649,526, Aug. 18.

Benco, George F., Philadelphia, Pa. Sectional comb. 2,664,092, Dec. 29.

Bendall, Wilfrid H., New York, N. Y. Power transmission chain. 2,627,756, Feb. 10.

Benden, Cletus A.: *See*—
Lee, Robert E., and Benden.

Bender, Coursey J., Aberdeen, Miss. Disk harrow hitch. 2,630,661, Mar. 10.

Bender, Harry, Lawrence, assignor to Home Curtain Corp., Far Rockaway, N. Y. Apparatus for making pleated curtains. 2,658,551, Nov. 10.

Bender, John H., and D. H. Shooter, Maywood, Calif. Wheel testing device. 2,645,860, July 21.

Bender, Joseph, Jr., J. Eberly, and R. Tipple, assignors to The General Industries Company, Elyria, Ohio. Commutator. 2,658,158, Nov. 3.

Bender, Rudolph: *See*—
Quinby, Edwin J., Bender, and Oliwa.

Bendersky, Sadie, South Orange, N. J. Armrest for beds. 2,658,211, Nov. 10.

Bendfelt, Herbert A., Oak Park, assignor to Mills Industries, Incorporated, Chicago, Ill. Beverage vending machine. 2,648,274, Aug. 11.

Benditt, Albert: *See*—
Musser, Clarence W., and Benditt.

Bendix Aviation Corporation, assignee: *See*—
Ainsworth, George.
Ainsworth, George O., and Prather.
Albright, Franklin C.
Alexander, William G., and Harden.
Allen, George W.
Aumick, K. Donald, and Dickey.
Bechberger, Paul F., and Bevins.
Benaglio, Reno V., and Nymberg.
Betcher, Wesley E.
Bimberg, Elmer M.
Blackman, Birt G., and Nelson.
Blackmore, Fred N.
Blancher, Donald W.
Brinson, Harry A., and Brady.
Brown, Jesse B.
Brown, Robert L.
Burnett, Richard T.
Burt, Farlow B.
Buxton, James E., and Christian.
Cairnes, Charles W.
Chapin, Irving F.
Cintrol, Juan E.
Clark, Richard B.
Clayton, Joseph F.

Bendix Aviation Corporation, assignee: *See*—Continued.
Colt, Rutger B.
Cooper, Irving B., Jr.
Cox, Parker G.
Cripe, Maxwell L.
Crosby, Edward L., Jr.
Deardorff, Clinton E.
Deardorff, Clinton E., and Gunn.
Deschamps, Desire J.
Dickey, John W.
Dickey, John W., and Hood.
Dickey, John W., Hood, and Gerwig.
Digby, James J.
Dombeck, Edward K.
Dray, Walter L., and Kuzmitz.
Driscoll, Paul A.
Eastman, James M.
Elliott, Richard L.
Ferman, Saul M.
Fillebrown, William C.
Flanagan, Robert M.
Franklin, Paul W.
Frei, Jakob R.
Fricke, Guy C., and Schaffer.
Fricke, Guy C., Bimberg, and Schaffer.
Gilbert, Samuel, and Metsger.
Goepfrich, Rudolph A.
Gunn, Joseph B.
Greene, Sidney R.
Greenfield, Alexander.
Greenfield, Alexander, and Clayton.
Haas, Harold G.
Halpin, Eugene P.
Hastings, Donald F.
Haynes, Stephen S.
Hennessey, Walter F., Jr., and Swanson.
Hollister, James F.
Holmes, Bradford B.
Hood, Edwin E.
Horne, Emerson.
House, Bryan E.
Hüpp, Edward E.
Hurlburt, Charles E., and Boehm.
Jaquith, John S.
Jarvis, John.
Johnson, Thomas W.
Kasten, Walter.
Kasten, Walter, and Anderson.
Kimball, Vernon R.
Kimball, Vernon R., and Drenkard.
Knudson, Giltner J.
Koll, Andrew J.
Konet, Henry.
Konet, Henry and Seifried.
Korzdorfer, John J.
Krulikoski, Stanley J., Jr., and Jarvis.
Laucks, Howard H.
Lauer, Leon N.
Lauricella, John W., and Hagen.
Lawrence, Donald M.
Le Febvre, Arthur W., and Smith.
Livers, Carlos B.
Livers, Carlos B., and Meddock.
Long, Richard H.
Long, Richard H., and Prather.
Lowe, Theodore M.
MacCallum, Alan M.
MacCallum, Alan M., and Russell.
MacNeil, Charles I.
Malorany, Robert T.
Marinelli, Joseph.
Mayforth, John H.
McLaren, Ian H., and Alsterberg.
McLinden, James E., Jr.
McNulty, John V.
Meddock, Alvin A.
Metsger, Charles S.
Meyers, Robert E.
Miller, Alton B.
Miller, Donald L.
Miller, John M., Jr.
Mitchell, James I.
Mock, Frank C.
Monette, Mark L.
Muehling, Anthony A.
Murphy, Donald F.
Murphy, Norman B.
Neild, William G.
Nelson, Donald O.
Nelson, Donald O., and Geddes.
Noxon, Paul A., MacCallum, and Murphy.
Ochtman, Leonard.
Onia, John.
Onia, John, and Sirvis.
Owen, John C., and MacCallum.
Parker, Leland C.
Pauly, Jacob L., and Holmes.
Perkins, Corles M.
Perkins, Corles M., and MacCallum.
Perrot, Paul H.
Peterson, Joel D.
Peterson, John B.
Piper, Charles A., and Brown.
Prather, Edwin E.

Bendix Aviation Corporation, assignee: *See*—Continued.
Price, Earl R.
Price, Earl R., and Thomas.
Price, Harold W.
Price, Harold W., and Hupp.
Purdy, Rolland M.
Puro, John F.
Roberts, Glyn P.
Roloson, William G., and Spengler.
Rossire, Francis H. S.
Russell, James L.
Sagady, Calman S.
Schaffer, David J.
Schulthels, Harry B., and ter Veen.
Schultz, Harold B.
Seid, Bernard, Holmes, and Pauly.
Seifried, Paul E.
Shostak, Robert B.
Smeltzer, Raymond F., Edwards, Baker, and Burton.
Smith, Stanley B., Jr.
Spengler, Walter J.
Stallard, Robert L.
Stockinger, Paul P.
Stuart, Alfred A.
Stull, Keefer S., Jr.
Tapke, Kenneth W.
Teague, Walter D., Jr.
Teague, Walter D., Jr., and Volk.
Ter Veen, Louis A. G.
Thomas, Thomas H.
Tobias, David L.
Tognola, Tullio.
Torsch, Charles E.
Trautman, Walter C., and Meddock.
Troeger, Henry.
Troeger, Henry, and Goldberg.
Volk, Emil A., Jr.
Warsher, Adolph.
Waterman, Herbert C.
Waterman, Herbert C., and Kuzmitz.
Weisenbach, Charles O.
Weisenbach, Charles O., and O'Blenis.
Werker, William A., and Steenfeld.
Wilson, Albert E., and Hukill.
Windsor, Walter E., and Koll.
Winkler, Albert H.
Wirth, Emil O., and Barfod.
Wisman, Franklin O., and Reek.
Wood, Louvan E.
Wood, Louvan E., and Hauck.

Bendix, Gordon H., Park Ridge, and C. R. Breden, La Grange, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Leak detector for cans and the like. 2,645,117, July 14.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Fitch, Ellery R.
Fitch, Ellery R., and Turek.
Shumaker, John F.
Stegman, Norman A.
Turek, Thomas J.
Turek, Thomas J., and Firth.

Bendz, Waldemar L., Weston, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoelectric speed control. 2,632,855, Mar. 24.

Bendz, Waldemar L., Weston, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Food dispensing apparatus control system. 2,663,477, Dec. 22.

Benedict, Bruce C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Propane fractionation of reduced crude oil. 2,664,384, Dec. 29.

Benedict, Donald L., Manhasset, N. Y., assignor to Sylvania Electric Products, Inc. Electron discharge device. 2,639,405, May 19.

Benedict, Leonard E., assignor to Amity Leather Products Co., West Bend, Wis. Die for cutting and impressing relatively thin leather. 2,663,180, Dec. 22.

Benedict, Louis K., East Palatka, Fla. Drain for sewage disposal systems. 2,637,170, May 5.

Benedict, Manson, Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Rectification of gaseous mixtures. 2,627,731, Feb. 10.

Benedict, Manson, Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Separation of mixed gases by absorption. 2,652,129, Sept. 15.

Benedict, Manson, Westfield, A. C. Faatz, Jr., Maplewood, and H. N. Woebcke, North Bergen, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis process and the production of synthesis gas. 2,649,468, Aug. 18.

Benedict, Walter E., Newton, and J. G. Van Selver, Philadelphia, Pa., assignors, by mesne assignments, to Congoleum-Nairn Inc., Kearney, N. J. Method and machine for making inlaid products. 2,654,415, Oct. 6.

Benedict, Walter L., Stoneham, H. D. Goodnow, Wellesley, and F. Pulsifer, Hamilton, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping the heel ends of shoes. 2,644,968, July 14.

Benefield, James D., Decatur, Ga. Hydraulic system air trap. 2,653,564, Sept. 29.

Beneke, Charles J., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Field reel for cable coil. 2,649,260, Aug. 18.

Beneke, Jack: *See*—
Swartzel, Karl D., Beneke, and Waterman.

Benés, John J., Jr., assignor to Continental Electric Company, Geneva, Ill. Cathode for photocells. 2,627,044, Jan. 27.

Benezet, Theresa M. and W. L., New York, N. Y. Pastry lifter and setter. 2,641,496, June 9.

Benezet, Wilbert L.: *See*—
Benezet, Theresa M. and W. L.

Benfield, Adalbert E., Sudbury, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Self-synchronous moving target indication system. 2,659,080, Nov. 10.

Benford, James R., Irondequoit Township, Monroe County, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Phase contrast apparatus for metallographic microscopes. 2,660,923, Dec. 1.

Bengtsson, Nils F. L.: *See*—
Lidmalm, Tord N. G., and Bengtsson.

Bengtsson, Sten, assignee: *See*—
Dahlgren, Carl A.

Benham, Norman R., Detroit, Mich. Production recording instrument. 2,651,561, Sept. 8.

Benignus, Paul G., Belleville, Ill., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungicidal composition and using same. 2,637,661, May 5.

Benjamin, Ben M.: *See*—
Butler, George B., and Benjamin.

Benjamin, Benjamin F., San Bernardino, and F. M. Sabens, Colton, Calif. Dispensing cap for containers. 2,633,273, Mar. 31.

Benjamin, David, assignor to Benjamin Reel Products Inc., Cleveland, Ohio. Weatherproof reel for electric cords or the like. 2,647,960, Aug. 4.

Benjamin, Donald G., Maywood, and S. W. Kapranos, Clarendon Hills, Ill., assignors to Corn Products Refining Company, New York, N. Y. Recovery of glucuronolactone. 2,627,520, Feb. 3.

Benjamin, Fred: *See*—
Ransom, David H., and Benjamin.

Benjamin, Judson E., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Double reversing clutch. 2,635,726, Apr. 21.

Benjamin, Percy W., West Edmeston, N. Y. Counterbalance for tail gates. 2,653,845, Sept. 29.

Benjamin Reel Products Inc., assignee: *See*—
Benjamin, David.

Benkoe, Ivan, London, England. Dicebox. 2,636,741, Apr. 28.

Benkoe, Ivan, Hampstead, London, England. Device for accurately setting calipers. 2,659,977, Nov. 24.

Benmax, Sydney, Chiswick, London, England. Upholstery supporting means and using the same. 2,644,510, July 7.

Benn, William J.: *See*—
Angell, Paul M., and Benn.

Benner-Nawman, Inc., assignee: *See*—
Nawman, Rollie B.
Thomson, John W.

Benner, Oscar, Friendship, Ohio. Plowshare with detachable blade section. 2,634,664, Apr. 14.

Bennert, Malcolm O., Methuen, and H. E. Cradduck, Amesbury, Mass., assignors to Western Electric Company, Incorporated, New York, N. Y. Toroidal coil winding machine. 2,657,865, Nov. 3.

Bennes, William J., Irvington, and C. E. Leyes, Union, N. J., assignor to Celanese Corporation of America, New York, N. Y. Method and apparatus for forming films. 2,644,195, July 7.

Bennetch, Leonard M., Bethlehem, assignor, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Preparation of black oxide of iron. 2,631,085, Mar. 10.

Bennett, Alfred H., Hyde Park, Pa. Spring support attachment. 2,654,100, Oct. 6.

Bennett, Alva H., Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass. Microscope with means for modifying contrast in optical images. 2,655,077, Oct. 13.

Bennett, Andrew E., Hingham, assignor to Mason-Neilan Regulator Company, Boston, Mass. Sheet moisture drying machine control mechanism. 2,629,939, Mar. 3.

Bennett, Andrew E., Weymouth, assignor to Mason-Neilan Regulator Company, Boston, Mass. Sheet moisture drying machine control mechanism. 2,659,987, Nov. 24.

Bennett, Arthur E. C., Kenton, England, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. High-frequency electric potential divider. 2,640,940, June 2.

Bennett, Bailey, and G. H. McFadden, Columbus, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Making latex foam. 2,643,233, June 23.

Bennett, Charles A.: *See*—
Merkel, Charles M., Bennett, and Wright.

Bennett, Clarence G., San Mateo, Calif., assignor to Paterson Pacific Parchment Company. Wrapper for hams. 2,632,723, Mar. 24.

Bennett, Clarence G., San Mateo, Calif., assignor to C. G. B. Company. Heat-sealing. 2,655,776, Oct. 20.

Bennett, Earl F., and O. Jarvis, Houston, Tex. Refuse receptacle holder. 2,657,001, Oct. 27.

Bennett, Edgar G., Woodville, and C. L. Willis, Ashby-de-la-Zouch, England. Vertical extrusion machine. 2,645,835, July 21.

Bennett, Edwin O., Houston, Tex., assignor to Continental Oil Company, Ponca City, Okla. Gas lifting device for flowing multiple zone wells. 2,632,513, Mar. 24.

Bennett, Elbert V., and H. Renn, Albany, assignors to M and M Wood Working Company, Portland, Oreg. Routing machine for removing defects from wood. 2,644,495, July 7.

Bennett, Elbert V., and H. Renn, Albany, assignors to M and M Wood Working Company, Portland, Oreg. Apparatus for making wood patches. 2,649,869, Aug. 25.

Bennett, Eldred C., and C. Powell, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y. Cap lifting machine. 2,650,748, Sept. 1.

Bennett, Foster C., assignor to The Dow Chemical Company, Midland, Mich. Die casting. 2,660,769, Dec. 1.

Bennett, Frank, Philadelphia, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Sheet metal table tray construction. 2,628,873, Feb. 17.

Bennett, George E., and J. B. Ott, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 2-thiomo-5-oxazolidones. 2,649,458, Aug. 18.

Bennett, Harold F., E. A. Young, and E. Hoag, assignors to Eastman Kodak Company, Rochester, N. Y. Automatic sequence-controlled computer. 2,651,458, Sept. 8.

Bennett, Howard B.: *See*—
von Hoorn, Fred G., and Bennett.

Bennett, Irving T., Baltimore, Md., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Dies for extrusion presses. 2,651,411, Sept. 8.

Bennett, James A. J., G. Cross, and A. G. Forsyth, Cheam, assignors to The Fairey Aviation Company Limited, Hayes, England. Rotary-wing aircraft. 2,653,778, Sept. 29.

Bennett, James G., North Bend, Wash. Plane file shoe attachment. 2,663,070, Dec. 22.

Bennett, James H., Jr., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Control wheel and wiring. 2,641,629, June 9.

Bennett, Jeanne H., Chicago, Ill. Artificial waterproof hair ornament. 2,660,826, Dec. 1.

Bennett, John D., assignor to Dresser Equipment Company, Beaumont, Tex. Traveling block. 2,657,905, Nov. 3.

Bennett, John O., Bartow, Fla. Apparatus for determining impedance characteristics of transmission lines. 2,639,317, May 19.

Bennett, John W.: *See*—
Egee, Walter W., and Bennett.

Bennett, Leonard W., assignee: *See*—
Lahonen, Tolvo.

Bennett, Maurice D., and F. T. Zizzi, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination lock. 2,660,873, Dec. 1.

Bennett, Paul K.: *See*—
Tomberlin, William M., MacKenzie, and Bennett.

Bennett-Powell, John A., Tendring, assignor to Fell Developments Limited, London, England. Compression ignition engine power plant. 2,624,849, Jan. 6.

Bennett, Ralph E.: *See*—
Keko, Wilbur L., Bennett, and Arzberger.

Bennett, Richard E., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for wrapping strands on terminals. 2,635,819, Apr. 21.

Bennett, Richard F., assignor to Universal Paper Bag Co., New Hope, Pa. Valve bag. 2,651,451, Sept. 8.

Bennett, Robert N., McComb, Ohio. Endless conveyer ditching machine. 2,641,070, June 9.

Bennett, Robert N., McComb, Ohio, assignor, by mesne assignments, to Gar Wood Industries, Inc. Steering and braking mechanism for trenchers. 2,641,343, June 9.

Bennett, Rufus B., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Calcium manganate-aluminum oxide catalyst. 2,648,639, Aug. 11.

Bennett, Samuel M., Brighton, Colo. Toilet flush tank float valve. 2,629,879, Mar. 3.

Bennett, Thomas R., Kingsbury, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Web-renewing mechanism. 2,654,545, Oct. 6.

Bennett, Vivian R., Los Angeles, Calif. Means for applying artificial respiration. 2,648,331, Aug. 11.

Bennett, Wallis R., Midland, and L. N. Carmouche, Ludington, assignors to The Dow Chemical Company, Midland, Mich. Producing calcium chloride pellets. 2,646,343, July 21.

Bennett, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission system and synthesizing a given electrical characteristic. 2,640,105, May 26.

Bennett, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray decoder for pulse code modulation. 2,664,504, Dec. 29.

Bennie, Frank K., assignee: *See*—
Holst, John C.

Bennie, Lynn W., assignee: *See*—
Holst, John C.

Bennighof, Ralph R., Ashland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Housing closure. 2,661,118, Dec. 1.

Benning, Anthony F., Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Azeotropic refrigerant composition of monochlorodifluoromethane and chloropentafluoroethane. 2,641,579, June 9.

Benning, Walter F.: *See*—
Roos, Delmar G., and Benning.

Benninghofen, Paul, trustee, assignee: *See*—
Waechter, Harry J.

Benninghoff, William L., Waite Hill Village, and A. F. Robertson, South Euclid, assignors to The Pipe Machinery Company, Cleveland, Ohio. Machine tool. Re. 23,684, July 14.

Bennington, Charles H., assignor to The Modern Limb Supply Co., Inc., Wantagh, N. Y. Orthopedic and prosthetic appliance. 2,662,228, Dec. 15.

Benno, Edward L., Skokie, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Graphic recorder. 2,659,651, Nov. 17.

Benoit, Jeanne A., Anthony, R. I. Surgical instrument. 2,644,455, July 7.

Benoit, Joseph P.: *See*—
Wilske, Julius E., Benoit, and McCormick.

Benow, Sidney R., New York, N. Y. Automatic radio dialing device. 2,636,981, Apr. 28.

Benrus Watch Company, Inc., assignee: *See*—
Kupchick, Edward.

Benstield, Nicholas W., Inglewood, Calif. Portable adjustable manipulating apparatus. 2,631,582, Mar. 17.

Bensinger, Wolf-Dieter, Muhlacker Wurttemberg, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Rotary valve controlled multicylinder internal-combustion engine. 2,648,318, Aug. 11.

Benson, Alfred B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Secondary time-keeping apparatus. 2,624,170, Jan. 6.

Benson, Alfred B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Direct read secondary clock and correction mechanism therefor. 2,651,167, Sept. 8.

Benson, Archie M., North Hollywood, Calif. Telephone lock. 2,641,659, June 9.

Benson, Ary A., Oakland, Calif. Air-cooled brake. 2,654,448, Oct. 6.

Benson, Ary A., Detroit, Mich. Brake construction. 2,655,237, Oct. 13.

Benson, Ernest H., Kansas City, Mo. High-pressure container with adapter for discharge apertures. 2,661,113, Dec. 1.

Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Garbage disposal. 2,627,075, Feb. 3.

Benson, Merle K., Belmont, Mich. Cutter mechanism for mowing machines. 2,640,309, June 2.

Benson, Ralph A., McKeesport, Pa. Exhaust for clothes driers. 2,656,784, Oct. 27.

Benson, Richard E., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process for the production of an acid salt of hydroxylamine. 2,628,888, Feb. 17.

Benson, Richard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydroxylamine. 2,628,889, Feb. 17.

Benson, Richard E., Claymont, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of nitroolefins. 2,656,395, Oct. 20.

Benson, Robert M.: *See*—
Slater, John M., Benson, and Freebairn.

Benson, Robert W.: *See*—
Mayo, Clyde R., and Benson.

Bent, Anthony J.: *See*—
Staples, Otis E., and Bent.

Bent, Arthur J., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company, Operator's fluid pressure control valve device. 2,630,828, Mar. 10.

Bent, Arthur J., Penn Township, Pa., assignor to Westinghouse Air Brake Company. Pressure control valve device. 2,637,340, May 5.

Bent, Arthur J., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control apparatus for free piston machines. 2,661,020, Dec. 1.

Bent, Arthur J., Pittsburgh, Pa., and S. L. Williams, New York, N. Y., assignors to Westinghouse Air Brake Company. Brake apparatus. 2,656,018, Oct. 20.

Bent, Franklin N., Heysham, England, assignor to Hercules Powder Company, Wilmington, Del. Extraction of lower fatty acids. 2,662,916, Dec. 15.

Bent, Harold T., Jr.: *See*—
Beck, Francis X., and Bent.

Bent, John H., Chicago, Ill., assignor to Barton Manufacturing Company, St. Louis, Mo. Method and machine for manufacturing applicators. 2,656,219, Oct. 20.

Bent, Richard L.: *See*—
Weissberger, Arnold, Thirtle, and Bent.

Bentley, Clarence H.: *See*—
Bletcher, Ralph E., and Bentley.

Bentley, Earl V.: *See*—
Ravese, Thomas, and Bentley.

Bentley, George P., Garden City, and F. House, Baldwin, assignors to Instrument Development Laboratories, Inc., Williston Park, N. Y. Picture unit for stereopticons. 2,647,437, Aug. 4.

Bentley-Harris Manufacturing Company, assignee: *See*—
Shive, Howard J.

Bentley, James S., assignor to Teleflex Products Limited, London, England. Mechanism for the opening and closing of windows, louvers, or the like. 2,652,245, Sept. 15.

Bentley, John F., Roscommon, Mich. Freight car door lock. 2,655,371, Oct. 13.

Bentley, Leslie F., assignor to Pye Limited, Cambridge, England. Insulation stripping device. 2,657,601, Nov. 3.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford Conn. Snap switch. 2,644,865, July 7.

Bently, George K., assignor to McCray Refrigerator Company, Inc., Kendallville, Ind. Open-top refrigerated display case. 2,626,508, Jan. 27.

Bently, George K., assignor to McCray Refrigerator Company, Inc., Kendallville, Ind. Open-top refrigerated display case. 2,635,434, Apr. 21.

Bently, Lewis R., Hobart, Ind. Heatless necktie presser. 2,629,948, Mar. 3.

Bentsen, William J., assignor to Solar Aircraft Company, San Diego, Calif. Die stamping and drawing. 2,664,062, Dec. 29.

Bentz, Levi: *See*—
McCandless, James M., and Bentz.

Benua, Louis P., and J. L. Coulter, Columbus, and R. H. Orthoefer, Worthington, assignors to Ebco Manufacturing Company, Columbus, Ohio. Pressure regulating valve mechanism. 2,645,885, July 21.

Benveniste, Jacob: *See*—
Jensen, Garold K., and Benveniste.

Benyak, John B., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush and mechanism for making same. 2,661,490, Dec. 8.

Benz, George W., executor: *See*—
Benz, Herbert G.

Benz, Herbert G., deceased, St. Paul, Minn.; G. W. Benz, executor of the estate of said H. G. Benz. Tire pressure indicator. 2,639,685, May 26.

Benzer, Seymour, West Lafayette, and K. Lark-Horovitz, assignors to Purdue Research Foundation, Lafayette, Ind. Rectifier. 2,646,536, July 21.

Benzing, Harry J., Devon, assignor to American Chemical Paint Company, Ambler, Pa. Ammonium chromate rinse for phosphate coated metal surfaces. 2,634,225, Apr. 7.

Benzon, George H., Jr., Lansdale, Pa. Indexing device for machine tools. 2,630,722, Mar. 10.

Bepristis, Andrew J., Azusa, Calif. Album. 2,639,526, May 26.

Beranek, Anthony J., and A. F. Collmann, Coggon, Iowa. Tractor-mounted windrower. 2,648,186, Aug. 11.

Beranek, Byron B., Elcho, Wis. Bowling pin setter. 2,627,408, Feb. 3.

Berberian, Edward, Union City, N. J. Rug cleaning and shampooing machine. 2,633,595, Apr. 7.

Berberich, Leo J., and H. M. Philofsky, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing electrical coils insulated with mica and synthetic resins and the products thereof. 2,656,290, Oct. 20.

Berby, Ola L.: *See*—
Fox, Robert P., and Berby.

Berch, Samuel H., deceased, Beverly Hills, Calif., by Arden Farms Co., assignee, Los Angeles, Calif. Container flap folding apparatus. Re. 23,669, June 23.

Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Flow control valve. 2,647,531, Aug. 4.

Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Manifold with manually actuated valves for controlling fluid flow. 2,647,659, Aug. 4.

Bercker, Lester J., Alexandria, Va. Reversible fluid motor. 2,636,480, Apr. 28.

Berdan, George D., Fort Worth, Tex. Clutch for lawn mowers and trimmers. 2,657,517, Nov. 3.

Berdick, Murray: *See*—
Hewitt, Eric J., and Berdick.
Loritsch, John A., and Berdick.

Bereman, John W., Bentonville, Ark. Folding table with sectional top. 2,646,324, July 21.

Beren, Irvin B.: *See*—
Jenkins, Jack, and Beren.

Berens, Gregory E., and C. Colbert, Dayton, Ohio. Magnetic recording. 2,661,397, Dec. 1.

Berenson, Henry J., assignor to National Paper Can & Tube Company, Milwaukee, Wis. Battery insulator tube manufacture. 2,639,647, May 26.

Beresin, Morris, Philadelphia, Pa. Dental articulator. 2,641,838, June 16.

Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Absorption refrigeration system, including means for placing steam condensate and weak solution in heat exchange relation. 2,648,957, Aug. 18.

Beretta, John W., San Antonio, Tex. Rigid tension-truss bridge. 2,642,598, June 23.

Beretvas, Helen S., assignor to Standard Oil Company, Chicago, Ill. Demulsifiable lubricant compositions. 2,640,811, June 2.

Beretvas, Helen S., assignor to Standard Oil Company, Chicago, Ill. Sulfurizing esters. 2,644,810, July 7.

Beretvas, Helen S., assignor to Standard Oil Company, Chicago, Ill. Sulfurization of oxygenated aliphatic compounds. 2,644,811, July 7.

Beretvas, Helen S., assignor to Standard Oil Company, Chicago, Ill. Sulfurizing fats and fatty acids. 2,644,825, July 7.

Berezny, Mischa N.: *See*—
Shusett, David R., and Berezny.

Berezny, Mischa N., Huntington Park, assignor to D. R. Shusett, Beverly Hills, Calif. Automatic car washer with air-actuated agitator. 2,637,873, May 12.

Berford, Robert F. W., Dearborn, and C. W. Wood, Grosse Pointe Farms, Mich., assignors to Phil Wood Industries Limited, Windsor, Ontario, Canada. Tail gate for loading and unloading vehicles. 2,626,067, Jan. 20.

Berg, Abram S., and A. N. Goregliad, Wyncote, Pa. Joining together glass pipe sections. 2,632,942, Mar. 31.

Berg, Abram S., and A. N. Goregliad, Wyncote, Pa. Device for heating glass pipe. 2,633,522, Mar. 31.

Berg, Arne L.: *See*—
Dale, Colin B., Berg, and Wagner.

Berg, Charles B., Kansas City, Mo. Controlling means for battery chargers. 2,627,060, Jan. 27.

Berg, Claes, H. Carlsson, and R. V. Ekman, assignors to Aktiebolaget Overums Bruk, Overum, Sweden. Potato harvesting machine and separating conveyer therefor. 2,659,189, Nov. 17.

Berg, Clyde H. O.: *See*—
Polly, Orville L., and Berg.
Reed, Homer C., and Berg.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Gasification process and apparatus. 2,627,455, Feb. 3.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process and apparatus. 2,630,877, Mar. 10.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,638,999, May 19.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Oil-shale eduction process and apparatus. 2,640,014, May 26.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Oil-shale eduction apparatus. 2,640,019, May 26.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Gas-solid separator. 2,641,335, June 9.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Apparatus for solids flow control. 2,647,587, Aug. 4.

Berg, Clyde H. O., Long Beach, H. C. Reed, Glendale, and F. L. Hartley, assignors to Union Oil Company of California, Los Angeles, Calif. Iron-group impregnated adsorbent in adsorption process. 2,632,528, Mar. 24.

Berg, Clyde H. O., and D. H. Imhoff, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,651,666, Sept. 8.

Berg, Elaine, Chicago, Ill. Head covering. 2,629,103, Feb. 24.

Berg, Elaine, Chicago, Ill. Ear muff. 2,651,046, Sept. 8.

Berg, Elaine, Chicago, assignor of one-third to R. H. Wendt, Evanston, and one-third to F. P. Peters, Chicago, Ill. Antidrip device for coffee cups and the like. 2,657,559, Nov. 3.

Berg, John W., Hutchinson, Kans. Material handling equipment. 2,630,350, Mar. 3.

Berg, Lloyd, Bozeman, Mont., assignor to Phillips Petroleum Company. Catalytic conversion of shale oil hydrocarbons. 2,635,987, Apr. 21.

Berg, Paul, Fort Wayne, Ind. Card dispensing device. 2,637,609, May 5.

Berg, Quentin, New Cumberland, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Terminal of the grommet type. 2,643,366, June 23.

Berg, Quentin, New Cumberland, Pa. Electrical connector having insulating piercing barbs. 2,648,050, Aug. 4.

Berg, Quentin, New Cumberland, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector of the eyelet type. 2,648,054, Aug. 4.

Berg, Quentin, New Cumberland, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector strip having laterally displaced strip feeding edges. 2,659,871, Nov. 17.

Berg, Ralph R., Menlo Park, assignor to Maribinst Corporation, Jersey City, N. J. Sandblasting device. 2,628,456, Feb. 17.

Bergami, Casto E., Milan, Italy. Machine for making foundry molds. 2,640,234, June 2.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Case hardened cable connector and method. 2,638,367, May 12.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Bolted bus connector. 2,651,767, Sept. 8.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. Oct 27.

Bergandi, Frank, Los Angeles, Calif. Wire chine. 2,625,961, Jan. 20.

Berge, Godshalk, assignor to Aladdin Industri rated, Chicago, Ill. Reaction product of a rite and lead titanate. 2,640,813, June 2.

Berge, Godshalk, assignor to Aladdin Indust porated, Chicago, Ill. Magnetic core comp producing the same. 2,656,319, Oct. 20.

Berge, Godshalk, assignor to Aladdin Industri rated, Chicago, Ill. Magnetic core and ma same. 2,659,698, Nov. 17.

Berge, Howard J., Canby, Minn. Baling mach pacting straw and stalks from harvesting ma cylindrical bales. 2,627,223, Feb. 3.

Berge, Ralph I., Dayton, Ohio. Controlled dar mechanism. 2,654,999, Oct. 13.

Bergeim, Frank H.: *See*—
Lott, William A., and Bergeim.

Bergen, George, Greendale-on-Hudson, N. Y palette. 2,656,633, Oct. 27.

Bergen, Lionel R., Iola, Wis. Fluid motor 2,646,004, July 21.

Berger, Benjamin S., South Orange, assignor Florin, Incorporated, Newark, N. J. 2,634,777, Apr. 14.

Berger, Benjamin S., South Orange, assignor Florin, Incorporated, Newark, N. J. Billf 2,642,912, June 23.

Berger Brothers Company, The, assignee: *See*—
Champagne, Emory C.
Versoy, Irving R.

Berger, Charles V., Western Springs, assignor sal Oil Products Company, Chicago, Ill. H conversion process. 2,630,404, Mar. 3.

Berger, Charles V., Western Springs, and Hinsdale, assignors to Universal Oil Product Chicago, Ill. Catalytic reforming of hy 2,642,383, June 16.

Berger, Charles V., Western Springs, and Hinsdale, assignors to Universal Oil Product Chicago, Ill. Catalytic reforming of hy 2,642,385, June 16.

Berger, Charles V., Western Springs, Ill., Hansen, Shreveport, La., assignors to Un Products Company, Chicago, Ill. Nonregen alytic reforming process. 2,654,694, Oct. 6.

Berger, Daniel A. and G. S., Brooklyn, N. Y. weaving adjustable loom. 2,663,066, Dec. 2

Berger, Emil J., Lansdale, and H. W. Matthews, assignors to Dexdale Hosiery Mills, Lansdale tile treating machine. 2,646,194, July 21.

Berger Engineering Company, assignee: *See*—
Troyer, Marc D.

Berger, Frank M., Princeton, and B. J. Lud Brunswick, N. J., assignors to Carter Pro New York, N. Y. 2,2-diphenyl-1,3-propane carbamate. 2,656,378, Oct. 20.

Berger, Gerard S.: *See*—
Berger, Daniel A. and G. S.

Berger, Hans: *See*—
Gund, Konrad, Berger, Scheer, and Schitt

Berger, Harold, Bronx, N. Y. Automatic fluid for automobiles. 2,661,411, Dec. 1.

Berger, Harold C., South Ozone Park, N. Y. S ance for switches. 2,659,780, Nov. 17.

Berger, Isadore I.: *See*—
Sunderland, Louis, Florine, and Berger.

Berger, Jack, Laurelton, assignor to Diesel Corp. of N. Y., Jamaica, N. Y. Water heater. June 16.

Berger, Jacob, Chicago, Ill. Car defros 2,640,231, June 2.

Berger, Jacob, New York, N. Y. Running gea removable chair. 2,643,702, June 30.

Berger, Jacques, assignor to Welding Research cago, Ill. Predetermine system, includi providing continuous operation without hon setting. 2,652,197, Sept. 15.

Berger, Kornel, Kew Gardens, N. Y. Lamp harp Aug. 25.

Berger, Kornel, Kew Gardens, N. Y. L 2,662,166, Dec. 8.

Berger, Maurice P., Paris, France. Pneumatic tor. 2,659,391, Nov. 17.

Berger, Samuel, Little Silver, N. J. Tube-eje 2,635,129, Apr. 14.

Berger, Sidney E., Cranston, R. I. and K. Swansen, Mass., assignors to United Stat Company, New York, N. Y. Mixtures of vinyl resin and thermoset phenol-aldehyde making the same. 2,659,708, Nov. 17.

Berger, Uriah S., Rockaway, N. J., assignor to phone Laboratories, Incorporated, New Yo Frequency modulation detector. 2,664,505, J

Bergerson, Charles W.: *See*—
Rauh, Elmer M., and Bergerson.

Bergeson, Harold B.: *See*—
Booth, Vilas E., Bergeson, and Patts.

Bergey, Stanley L., Hempstead, and J. A. N Hicksville, N. Y., assignors to The Sperry C Antenna apparatus. 2,651,721, Sept. 8.

Bergfors, Carl A.: *See*—
Dickinson, Arthur H., Phelps, and Bergfors.
Bergfors, Carl A., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Electronic multivibrator. 2,651,722, Sept. 8.
Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for extruding plastic material. 2,656,566, Oct. 27.
Berggren, Nils, assignee: *See*—
Hansson, Karl J.
Bergh, Charles J., Vandalia, assignor to The Dayton Pump & Mfg. Co., Dayton, Ohio. Centrifugal pump. 2,642,004, June 16.
Bergh, Charles J., Vandalia, assignor to The Dayton Pump & Mfg. Co., Dayton, Ohio. Submersible pump. 2,648,286, Aug. 11.
Bergh, Charles J., Vandalia, assignor to The Dayton Pump & Manufactring Company, Dayton, Ohio. Centrifugal pump. 2,651,998, Sept. 15.
Bergh, Jean B., New York, N. Y. Rotating chance game apparatus. 2,626,156, Jan. 20.
Berghoff, Matthew W.: *See*—
Creson, William K., and Berghoff.
Creson, William K., Newman, and Berghoff.
Berghorn, Fred W., Rutherford, N. J. Roughening tool for walls of cylindrical finger-gripping holes of bowling balls. 2,640,518, June 2.
Bergknut, Gunnar P., and C. J. E. Kiessling, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Three-phase commutator motor with speed regulation by brush displacement. 2,661,435, Dec. 1.
Berglind, Nils W., Stureby, Sweden. Machine of the household type for cutting, mashing, and whipping fruits, vegetables, and the like. 2,660,210, Nov. 24.
Berglind, Nils W., Stureby, Sweden. Centrifugal machine for the recovery of liquid out of raw vegetable food. 2,660,211, Nov. 24.
Berglund, August: *See*—
Berglund, Nels, and Berglund.
Berglund, Hilma L. G., St. Paul, Minn. Hand weaving loom. 2,655,947, Oct. 20.
Berglund, Nels, and A. Berglund, Duluth, Minn. Plier-wrench. 2,628,521, Feb. 17.
Berglund, Orion W.: *See*—
Deniston, George L., and Berglund.
Berglund, Reuben E., Alamo, Calif. Cement sack or the like. 2,634,901, Apr. 14.
Berglund, Sven G.: *See*—
Karp, Edward C., and Berglund.
Bergman, Barnard, assignee: *See*—
Raphael, Walter.
Bergman, Carl A.: *See*—
Ajam, Mustafa J., and Bergman.
Ajam, Mustafa J., Paradis, and Bergman.
Bergman, Donald J., Kenilworth, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for uniform distribution and contacting of subdivided solid particles. 2,651,565, Sept. 8.
Bergman, Ed, assignor to Kiddie Seat Corporation, New York, N. Y. Infant's toilet seat mounting means. 2,645,785, July 21.
Bergman, Harry, and O. Behnke, Chicago, Ill. Magnetic abrasion tool. 2,662,353, Dec. 15.
Bergman, Lars, Stockholm, assignor to Arenco Aktiebolag, Stockholm, Sweden. Supplying packing machine or the like with cigarettes. 2,653,723, Sept. 29.
Bergman, William E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Controlling the viscosity of drilling muds. 2,636,857, Apr. 28.
Bergmann, Ernst R., Evergreen Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Articulated connection for shaker conveyers. 2,654,467, Oct. 6
Bergmann, Ernst R., Evergreen Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 2,656,037, Oct. 20.
Bergmann, Ernst R., Evergreen Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,661,834, Dec. 8.
Bergmann, Henry C., South Gate, Calif. Refrigerator tank. 2,629,228, Feb. 24.
Bergmann, Richard F.: *See*—
Musschoot, Albert, Bergmann, and Young.
Bergmann, Werner: *See*—
Fang, James C.-S., and Bergmann.
Bergmann, Werner, New Haven, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing Pechmann dye. 2,640,836, June 2.
Bergquist, Theodore W., Willow Grove, Pa. Sealing the seating surfaces of valves and similar devices. 2,649,110, Aug. 18.
Bergqvist, Åke T., Finspong, Sweden. Locking device for telescopic structures. 2,643,143, June 23.
Bergson, Gustav, Germantown, Pa., assignor to Radio Corporation of America. High input impedance semiconductor amplifier. 2,660,624, Nov. 24.
Bergson, Gustav, Philadelphia, Pa., assignor to Radio Corporation of America. Sound recording and reproduction. 2,626,320, Jan. 20.
Bergstedt, Milton A., Linden, and R. H. Lamason, Bound Brook, N. J., assignors to Industrial Tape Corporation. Adhesives comprising phenol-formaldehyde resins, certain polyvinyl acetal resins, and ricinoleate esters. 2,637,706, May 5.
Bergstein, Frank D.: *See*—
Haas, Walter, and Bergstein.
Bergstein, Frank D., Wyoming, Ohio. Apparatus for assembling composite containers. 2,625,085, Jan. 13.
Bergstein, Robert M., Wyoming, Ohio. Producing cartons having metal tearing edges. 2,628,179, Feb. 10.
Bergstein, Robert M., Wyoming, Ohio. Box with carrying handle. 2,645,407, July 14.
Bergstein, Samuel, Cincinnati, Ohio. Watertight and gastight shipping container. 2,630,262, Mar. 3.
Bergstein, Samuel, Cincinnati, Ohio. Method and means for the end coating of packages. 2,632,918, Mar. 31.
Bergstein, Samuel, Cincinnati, Ohio. Machine for sealing the ends of wrapped articles. 2,634,564, Apr. 14.
Bergstrom, Adolph G., assignor to Bergstrom Manufacturing Co., Rockford, Ill. Shutoff valve. 2,631,613, Mar. 17.
Bergstrom, Albert L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cone rib finishing machine. 2,660,840, Dec. 1.
Bergstrom, Albert L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Floating type roller bearing. 2,664,325, Dec. 29.
Bergstrom, Carl N., Portland, Oreg. Holding seal for crankcase gaskets. 2,639,832, May 26.
Bergstrom, Carl N., Portland, Oreg., assignor to Waldorf Paper Products Company, St. Paul, Minn. Garment hanger. 2,650,006, Aug. 25.
Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter. 2,642,095, June 16.
Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 2,645,433, July 14.
Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalyst level indicator. 2,647,405, Aug. 4.
Bergstrom, Eric V., Short Hills, and E. R. Sorf, Fanwood, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting moving contact material hydrocarbon conversion processes. 2,656,306, Oct. 20.
Bergstrom, Herman A.: *See*—
Von Glahn, William H., and Bergstrom.
Bergstrom Manufacturing Co., assignee: *See*—
Bergstrom, Adolph G.
Bergstrom, Roland F.: *See*—
Barton, Robert C., Bergstrom, and Plantfeber.
Bergvall, Knut L., and E. E. Dahlberg, Stockholm, Sweden. Box beam construction for floors. Re. 23,693, Aug. 4.
Bergvall, Knut L., E. E. Dahlberg, and A. O. G. Palmgren, Stockholm, Sweden. Continuous press-gluing. 2,631,622, Mar. 17.
Bergvall, Knut L., E. E. Dahlberg, and A. O. G. Palmgren, assignors to A B Bostadsforskning, Stockholm, Sweden. Method and device for the manufacture of box girders. 2,631,956, Mar. 17.
Berhoudar, Osep V., Johannesburg, Transvaal, Union of South Africa. Air inlet device for internal-combustion engines. 2,633,868, Apr. 7.
Berindei, Matthew, Cheam, and W. Tennet, Wallington, England, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for X-ray tubes. 2,642,540, June 16.
Bering, Horace L., Decatur, Ill., and T. P. Callahan, Springfield, Mass. Vent plug closure. 2,635,784, Apr. 21.
Bering, Horace L., Decatur, Ill., and T. P. Callahan, Springfield, Mass. Vent and filter plug closure. 2,650,673, Sept. 1.
Berk, Kenneth E.: *See*—
Hott, Ion V. K., and Berk.
Berk, Leslie H., Lakewood, and J. C. Bullock, Cincinnati, Ohio. Portable combination crib and playpen. 2,632,186, Mar. 24.
Berkebil, Lee R., Detroit, Mich., assignor to National Steel Corporation. Drawing machine. 2,633,233, Mar. 31.
Berkeley Scientific Company, assignee: *See*—
Helkes, Norman L.
Berkeley Scientific Corporation, assignee: *See*—
Giel, George J., Jr., and Burns.
Berkelhamer, Louis H., Chicago, assignor to D. T. Siegel, Glencoe, Ill. Resistor. 2,628,300, Feb. 10.
Berkelhamer, Louis H., Chicago, assignor to D. T. Siegel, Glencoe, Ill. Electrical element. 2,647,192, July 28.
Berkelhamer, Louis H., Chicago, assignor to D. T. Siegel, Glencoe, Ill. Resistor and manufacture. 2,660,653, Nov. 24.
Berkepeis, Lukas, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Reciprocating block. 2,650,036, Aug. 25.
Berker, Ralph C., Hoxsie, R. I. Gill drawing frame. 2,629,137, Feb. 24.
Berkley, Howard L., Billings, Mont. Hydraulically operated power rake. 2,645,891, July 21.
Berkley Machine Company, assignee: *See*—
Skow, Ross E.
Berkley, Warren D.: *See*—
Boller, William D., Berkley, Ernst, and Landmeier.
Berkline Corporation, The, assignee: *See*—
Belisle, Adelard J.
Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Can opener. 2,640,257, June 2.

Berkner, Hans O.: *See*—
Neugebauer, Franz J., Berkner, and Naumann.
Berkovitz, Harry, Weehawken, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator brake. 2,663,387, Dec. 22.
Berl, John E., assignee: *See*—
Hitchens, Harry E.
Berland, Morton, and M. Spiegler, St. Paul, Minn. Valve. 2,648,517, Aug. 11.
Berlant Associates, assignee: *See*—
Berlant, Emmanuel.
Berlant, Emmanuel, Culver City, assignor to Berlant Associates, Los Angeles, Calif. Drive for magnetic tape. 2,664,251, Dec. 29.
Berleme, George H., Brooklyn, N. Y. Door peep observation device. 2,638,810, May 19.
Berles Carton Company, Inc., assignee: *See*—
Broderick, Frank W.
Berles, James J., Fort Wayne, Ind. Comestible chopping device. 2,661,535, Dec. 8.
Berlin, Dennis, Philadelphia, Pa. Combination cot and chair seat. 2,636,548, Apr. 28.
Berliner, Walter M., assignee: *See*—
Morgenstern, David.
Berlyn, Martin J., Enfield, Conn. Fuel injection apparatus. 2,625,436, Jan. 13.
Berlyn, Martin J., Enfield, Conn., and J. J. Broderick, assignors to American Bosch Corporation, Springfield, Mass. Fuel supply apparatus for internal-combustion engines. 2,642,806, June 23.
Berlyn, Martin J., Suffield, Conn. Fuel injection method. 2,625,141, Jan. 13.
Berlyn, Martin J., Suffield, Conn., assignor to American Locomotive Company, New York, N. Y. Valve actuating mechanism. 2,644,436, July 7.
Berlyn, Martin J., Suffield, Conn., assignor to American Locomotive Company, New York, N. Y. Fuel injector. 2,647,015, July 28.
Berlyn, Martin J., Suffield, Conn., assignor to American Locomotive Company, New York, N. Y. Fuel injector. 2,647,016, July 28.
Berman, Benjamin P.: *See*—
Weiner, Louis I., and Berman.
Berman, Frank, Pewaukee, Wis. Writing pad unit for automobile steering wheels. 2,650,836, Sept. 1.
Berman, Frank, Pewaukee, Wis. Utility attachment for automobile steering wheels. 2,663,576, Dec. 22.
Berman, Hans, Forest Hills, N. Y., and S. Katz, assignors to Conmar Products Corporation, Newark, N. J. Electrodeposition of copper and copper alloys upon zinc and zinc alloys. 2,657,176, Oct. 27.
Berman, Harry L., Boston, Mass. Combination bib and apron. 2,648,845, Aug. 18.
Berman, Oscar A., New York, N. Y. Cushions. 2,638,156, May 12.
Berman, Oscar A., New York, N. Y. Cushion or the like. 2,659,418, Nov. 17.
Bernal, Antonio, Santa Fe, Argentina. Engine compressor control. 2,627,371, Feb. 3.
Bernal, Ricardo M., Havana, Cuba. Closure for unrefillable containers. 2,653,726, Sept. 29.
Bernard, Edward, Co., assignee: *See*—
Yellin, Bernard.
Bernard, Joseph: *See*—
Bernard, William and J.
Bernard, Joseph, Fils, Ste-Germaine, Quebec, Canada. Latch mechanism for adjusting drag scraper operation. 2,627,127, Feb. 3.
Bernard, William and J., West Millington, assignors to American Asbestos Industries, Inc., Berkeley Heights, Township of New Providence, N. J. Apparatus for manufacturing cement-asbestos board. 2,650,524, Sept. 1.
Bernard, William B., Miami, Fla. Radio frequency admittance measuring apparatus. 2,636,928, Apr. 28.
Bernardin Bottle Cap Co., Inc., assignee: *See*—
Brown, Winthrop L.
Brown, Winthrop L., and Foye.
Bernardo, Vicente S. D., Manila, Republic of the Philippines. Clutch assembly. 2,652,912, Sept. 22.
Bernardoni, Walter, Rome, Italy. Apparatus for producing compressed air for obtaining vibratory air movements therefrom. 2,645,904, July 21.
Bernartz, Alexander A.: *See*—
Paparazzo, Louis, and Bernartz.
Bernat, Louis, assignee: *See*—
Shaw, Albert E., and Moon.
Bernau, Arthur F., Saginaw, Mich. Article carrier means for automobile trunks. 2,660,349, Nov. 24.
Berndsen, Richard A., assignee: *See*—
Berndsen, William E.
Berndsen, William E., Cleveland Heights, Ohio, assignors of three sixteenths to R. A. Berndsen and three sixteenths to B. J. Jorgensen. Split head mop having mechanical squeezing means. 2,653,336, Sept. 29.
Berndt, Richard F., assignor to Virkotype Corporation, Racine, Wis. Powder dispenser and distributor. 2,643,032, June 23.
Bernegger, Rolf, Hawthorne, assignor to Cliffside Dyeing Corp., Paterson, N. J. Testing apparatus for testing the fading characteristics of textile material. 2,640,354, June 2.

Berry, Clyde W., Naval Base, S. C. Fish and crab hook. 2,648,927, Aug. 18.
Berry, David R.: *See*—
Smith, Blanchard D., and Berry.
Berry, Edward J., Cranston, and G. T. Allenson, Lincoln, R. I., assignors to Draper Corporation, Hopedale, Mass. Filling motion for shuttleless looms. 2,654,399, Oct. 6.
Berry, Edward J., Providence, R. I., assignor to Draper Corporation, Hopedale, Mass. Bunch building method and apparatus. 2,650,769, Sept. 1.
Berry, Forrest, Reading, Pa. Combination bug and air deflector. 2,638,376, May 12.
Berry, Coburn D.: *See*—
Trimble, Howard B., Sr., and Berry.
Berry, Geoffrey: *See*—
Miller, Andrew C., Kamper, and Berry.
Berry, Henry S.: *See*—
Fitzgerald, Harold J., and Berry.
Berry, Jack H.: *See*—
Zollars, Richard U., Lawson, and Berry.
Berry, John V., Johnstown, Pa. Car coupling apparatus. 2,661,851, Dec. 8.
Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Obtaining dispersions of polyfluoroethylenes. 2,662,065, Dec. 8.
Berry, Michael F., Cleveland, Ohio. Combustion chamber for gaseous fuels. 2,638,975, May 19.
Berry, Norton E., Newburgh, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,625,800, Jan. 20.
Berry, Theodore M., Schenectady, N. Y., assignor to General Electric Company. Automatic electrical measuring device. 2,629,843, Feb. 24.
Berry, Verne H.: *See*—
Briscoe, William F. R., and Berry.
Berry, William, Absecon, N. J. Device for collecting equine urine specimens. 2,626,387, Jan. 20.
Berry, William D., Grand Rapids, S. G. Vigars, Royal Oak, and W. E. Adamek, St. Clair Shores, assignors to General Motors Corporation, Detroit, Mich. Control mechanism. 2,632,122, Mar. 17.
Berry, William De L., Pittsburgh, Pa., assignor to General Motors Corporation, Detroit, Mich. Control mechanism. 2,635,200, Apr. 14.
Berstler, Francis E., Middletown, assignor of thirty-three and one-third per cent to C. V. Hoke, Hummelstown, and thirty-three and one-third per cent to E. O. Brubaker, Elizabethtown, Pa. Spark plug. 2,626,595, Jan. 27.
Berstler, Francis E., Middletown, assignor of thirty-three and one-third per cent to C. V. Hoke, Hummelstown, and thirty-three and one-third per cent to E. O. Brubaker, Elizabethtown, Pa. Spark plug and ignition wire attachment means. 2,650,584, Sept. 1.
Bersworth, Frederick C., Verona, N. J. Metal ion chelating compounds consisting of mono phenyl poly alkylene polyamino polycarboxylic acids and salts. 2,624,756, Jan. 6.
Bersworth, Frederick C., Verona, N. J. Substituted aralkyl alkylene diamino diacetic acids and salts. 2,624,757, Jan. 6.
Bersworth, Frederick C., Verona, N. J. Substituted mono aralkyl alkylene polyamino polyacetic acids. 2,624,758, Jan. 6.
Bersworth, Frederick C., Verona, N. J. Substituted poly aralkyl alkylene poly amino poly acetic acids and salts. 2,624,759, Jan. 6.
Bersworth, Frederick C., Verona, N. J. Hydroxy-aromatic alkylene di-imino di-acetic acids and salts. 2,624,760, Jan. 6.
Bersworth, Frederick C., Verona, N. J. Chloro alkyl alkylene poly amino acids and producing same. 2,630,455, Mar. 3.
Bersworth, Frederick C., Verona, N. J. Metalworking lubricant solution. 2,631,978, Mar. 17.
Berta, Guido, Mariano Comense, Italy. Warp beam for weaving with safety locking device for the disks. 2,632,611, Mar. 24.
Bertea, Alex, deceased, Pasadena, Calif., by H. D. McKay, executor, Puente, Calif. Mechanically operated check valve. 2,634,752, Apr. 14.
Bertele, Ludwig, assignor to Henry Wild Surveying Instruments Supply Co. Ltd., Heerbrugg, Switzerland. Telescope objective. 2,660,093, Nov. 24.
Bertele, Ludwig, Heerbrugg, Switzerland. Objective comprising three lens members axially air separated from each other in optical alignment. 2,661,660, Dec. 8.
Bertele, Ludwig J., St. Gall, Switzerland. Optical objective comprising six lenses grouped into three air spaced components. 2,663,221, Dec. 22.
Bertell, Paul, Kenmore, and L. C. Meade, assignors to Standard Mirror Company, Buffalo, N. Y. Rear-vision mirror. 2,640,394, June 2.
Bertell, Paul, Kenmore, and G. A. Weingartner, Grand Island, assignors to Standard Mirror Company, Buffalo, N. Y. Adjustable antiglare rearvision mirror. 2,645,158, July 14.
Bertello, Enrico, Borgo San Dalmazzo, Italy. Selective delivery filing cabinet. 2,660,503, Nov. 24.
Berthelsen, V., Engineering Works Inc., assignee: *See*—
Berthelsen, Viggo.
Berthelsen, Viggo, Hellerup, Denmark, assignor to V. Berthelsen Engineering Works Inc. Hydraulic press. 2,627,289, Feb. 3.
Berthelsen, Viggo, Hellerup, Denmark, assignor to V. Berthelsen Engineering Works Inc. Press, aspecially a veneering press. 2,627,290, Feb. 3.
Berthiez, Charles W., Paris, France. Locking device for toolholder carriage operating in both directions. 2,624,099, Jan. 6.
Berthiez, Charles W., Paris, France. Clamping device for slides of machine tools or the like. 2,635,324, Apr. 21.
Berthiez, Charles W., Paris, France. Machine tool such as boring and milling machine. 2,639,644, May 26.
Berthold, J. G., Co., The, assignee: *See*—
Berthold, John G., Jr.
Berthold, John G., Jr., Huntington, W. Va., assignor to The J. G. Berthold Co. Confectionery container. 2,628,169, Feb. 10.
Bertholin, Paul, New York, N. Y. Vibrating machine for treating humans. 2,645,219, July 14.
Bertin, Jean H., and R. H. Marchal, assignors to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Aerodynamic valve. 2,642,895, June 23.
Bertolani, Joseph T.: *See*—
Boland, Gus L., and Bertolani.
Bertolero, Frank: *See*—
Stanton, James M., and Bertolero.
Bertolet, Elmer C., Jr., Lititz, Pa., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction element and forming same. 2,640,795, June 2.
Bertolus, Marcel M.: *See*—
Tribalat, Suzanne M. F., and Bertolus.
Bertram, Leon L., Hopewell, Va., A. F. Martin, Wilmington, Del., and P. A. Pohlke, Hopewell, Va., assignors to Hercules Powder Company, Wilmington, Del. Apparatus for cleaning fibrous materials. 2,632,924, Mar. 31.
Bertram, Sidney, Los Angeles, Calif. Sweep circuit. 2,660,691, Nov. 24.
Bertram, William A., Chicago, Ill. Playing card holder. 2,631,042, Mar. 10.
Bertrand, Joseph V., Brooklyn, assignor to Hydropress, Incorporated, New York, N. Y. Sealing means for pressure vessels. 2,641,381, June 9.
Bertrand, Leandre M., Montreal, Quebec, assignor to The Grissol Bread Specialties Ltd., Rosemount, Quebec, Canada. Manufacturing bread sticks. 2,660,134, Nov. 24.
Berty, William J., Bridgeport, Conn. Snow shield for motorcar windshields. 2,646,118, July 21.
Beryllium Corporation, The, assignee: *See*—
Kawecki, Henry C.
Berzof, Harold, and F. A. Rogers, Edgewood, Md., assignors to the United States of America as represented by the Secretary of the Army, as trustee. Delay arming fuse. 2,651,993, Sept. 15.
Besag, Ernst, Streetly, and T. D. G. Wintle, Birmingham, assignors to J. A. Crabtree & Co. Limited, Walsall, England. Means for mounting magnets or the like within switch casings. 2,655,622, Oct. 13.
Besal, Joseph A.: *See*—
Camp, Thomas P., Thorsen, and Besal.
Bescocca, Luis, Florida, Buenos Aires, Argentina. Automatic control device. 2,657,291, Oct. 27.
Beseler, Charles, Company, assignee: *See*—
Field, Philip M.
Besler, William J., Piedmont, Calif. Artificial fog generator. 2,630,412, Mar. 3.
Besly, Donald M.: *See*—
Goldberg, Alan A., and Besly.
Bess, Leon, Boston, Mass., assignor to the United States of America as represented by the Secretary of War. Object locating identification system. 2,624,873, Jan. 6.
Bess, Leon, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Transmission line delay network. 2,659,052, Nov. 10.
Bessert, Carl M., Lansing, Mich. Razor with a new and used blade holder. 2,631,367, Mar. 17.
Bessey, Carlton E., Little Silver, N. J. Direct coupled amplifying system. 2,638,512, May 12.
Bessey, Carlton E., North Long Branch, N. J. Intercarrier-video type television receiver. 2,634,329, Apr. 7.
Bessiere, Pierre E., Paris, assignor to Electro-Mecanique de l'Aveyron, S. A., Rodez, France. Electrodynamic brake. 2,632,859, Mar. 24.
Bessiere, Pierre E., Paris, assignor to Society Electro-Mecanique de l'Aveyron, Rodez (Aveyron), France. Cooling system for electric brakes. 2,645,730, July 14.
Bessom, John A., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Tube for treating fibers and the like with fluid under pressure. 2,661,618, Dec. 8.
Bessonette, Marshall O., Medford, Oreg. Checking device for self-service stores. 2,649,932, Aug. 25.
Best, Charles D., Fresno, Calif. Safety latch. 2,637,579, May 5.
Best, Chris E.: *See*—
Eberly, Kenneth C., and Best.
Best, Cleafe A., Jackson, and L. E. Johnson, Parma, assignors to Sparks-Withington Company, Jackson, Mich. Turn indicator with automatic cancellation. 2,651,688, Sept. 8.
Best, Cyril: *See*—
Molins, Desmond W., Best, and Chandler.

Best, Cyril, Deptford, London, assignor to Molins Machine Company Limited, London, England. Conveyer and transfer mechanism for use with weighing machines. 2,653,698, Sept. 29.
Best, Donald M. C., Lordswood, and R. C. Clerk, Richmond, England. Upper-cylinder lubricator for internal-combustion engines. 2,630,793, Mar. 10.
Best Foods, Inc., The, assignee: *See*—
Gooding, Chester M.
Melnick, Daniel, Gooding, and Vahlteich.
Vahlteich, Hans W., Gooding, and Melnick.
Best, Gerald M., Beverly Hills, assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Processing sound film. 2,635,047, Apr. 14.
Best, John H., & Sons, Inc., assignee: *See*—
Best, Leon H., and Johnson.
Best, Leon H., and O. W. Johnson, assignors to John H. Best & Sons, Inc., Galva, Ill. Dolly for rolled materials such as carpeting. 2,656,050, Oct. 20.
Best, Lorin M., Eugene, Oreg. Paint can lid. 2,646,193, July 21.
Best, Philip F.: *See*—
McBride, Charles B., and Best.
McBride, Charles B., Best, and Orem.
Best, Richard L., Wayland, Mass., assignor to Research Corporation, New York, N. Y. Bistable circuits. 2,647,999, Aug. 4.
Best, Robert C., Indianapolis, Ind. Mechanical lifting mechanism for dump trucks. 2,638,380, May 12.
Best, Stanley G., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Thermocouple unit. 2,653,983, Sept. 29.
Best, Stanley G., Manchester, and D. R. Pearl, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Pressure actuated throttle valve. 2,649,108, Aug. 18.
Best, William L.: *See*—
Shorek, Leonard J., and Best.
Best, William L., Detroit, and C. H. Lisch, Jr., Grosse Pointe Woods, assignors to Young Brothers Company, Detroit, Mich. Unloader for wicket-type conveyers. 2,648,420, Aug. 11.
Beste, George W., and H. M. Tanner, Baton Rouge, La., and H. Shapiro, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Manufacture of tetraethyllead. 2,653,159, Sept. 22.
Bestehorn, Heinrich H., Easton, Pa., and J. F. Morgan, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Metallized ortho-hydroxy, ortho-amino monoazo dyestuffs and their use in dyeing nylon. 2,624,653, Jan. 6.
Bester, Leonard R., Washington, D. C. Added air charge and water injection system. 2,642,852, June 23.
Bestian, Herbert, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfort-on-the-Main-Hochst, Germany. Polymerization products and preparing them. 2,626,931, Jan. 27.
Bestian, Herbert, assignor to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Bruning, Frankfurt am Main Hochst, Germany. Preparing derivatives of ethylenemine. 2,654,737, Oct. 6.
Bestpak Inc., assignee: *See*—
Thompson, Paul.
Bestway Equipment Co., Inc., assignee: *See*—
Jannsen, Newman C.
Beszedics, Geza E., Vienna, Austria, assignor to International Standard Electric Corporation, New York, N. Y. Automatic regulator of high sensitivity for regulating alternating current voltages. 2,664,540, Dec. 29.
Betancourt Cano, Saul, and L. L. Corchero, Havana, Cuba. Automatic shutoff valve for pressure fluid systems. 2,664,101, Dec. 29.
Betcher, Wesley E., Utica, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,626,790, Jan. 27.
Bethea, Sam R., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for catalytic conversion of hydrocarbons. 2,660,520, Nov. 24.
Bethge, Bernhard: *See*—
Suer, René, Welker, Mataré, and Bethge.
Bethke, Harvey R., assignor to E. A. Kwiecinski, Milwaukee, Wis. Valve tappet adjusting screw. 2,646,780, July 28.
Bethlehem Foundry & Machine Company, assignee: *See*—
Smith, Wilbur R.
Bethlehem Steel Company, assignee: *See*—
Anderson, Arvid E.
Kovatch, Robert J.
Mancke, Edgar B.
Stelling, John H.
White, William E.
Wilson, Tom, and Hess.
Worthen, Eugene P., and Robinson.
Betsch, Carl L., and F. H. Detrick, Philadelphia, Pa. Coating compositions. 2,650,909, Sept. 1.
Bettega, Louis C., Berkley, Mich. Leveling and plumbing device and elements thereof. 2,635,350, Apr. 21.
Bettendorf Company, The, assignee: *See*—
Kottman, Arthur A.
Schrage, Edward G.
Better Brushes, Incorporated, assignee: *See*—
Teetsel, Ralph T.
Better Monkey Grip Company, assignee: *See*—
Everett, Luther M., Sr.
Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.
Better Products, Inc., assignee: *See*—
Moe, Herman A.
Bettini, Lorenzo, Rome, Italy. Automatic appar
drying elongated dough products and t
2,631,383, Mar. 17.
Bettison, David C.: *See*—
Keaton, Frank H., and Bettison.
Betts, Mazeppa D.: *See*—
Quinn, Gerald S., and Betts.
Betts, Raymond L., Westfield, and J. D. Leslie, C
N. J., assignors to Standard Oil Development C
Solid phosphoric acid slurry polymerization
2,626,291, Jan. 20.
Betz, Charley W., Collinsville, Ala. Reversib
2,637,257, May 5.
Betz Corporation, assignee: *See*—
Knight, Verne C.
Kopp, Alfred J., and Boyle.
Betzold, John E.: *See*—
Carlson, Byron, and Betzold.
Beurtheret, Charles A. E., Paris, France, assigno
eral Electric Company. Multiple feedback
2,647,173, July 28.
Bevacqua, Thomas R.: *See*—
Belloff, Fred P., and Bevacqua.
Bevan, Lloyd D.: *See*—
Chapman, James E., and Bevan.
Bevens, Elmer H., Los Angeles, Calif. Makin
2,645,841, July 21.
Beveridge, Harold N., Arlington, assignor to
Manufacturing Company, Newton, Mass. D
device. 2,664,547, Dec. 29.
Beveridge, William, Detroit, Mich. Quickly-den
chain. 2,638,009, May 12.
Beverman, Harry G., assignor to P. Beverman,
and F. G. Whiteside, Springfield, Ill. Duck d
port. 2,624,144, Jan. 6.
Beverman, Pearl, assignee: *See*—
Beverman, Harry G.
Bevevino, Angelo J., Petrolia, Pa., assignor to
born Sons, Inc. Wax slabbing method.
July 7.
Bevevino, Angelo J., Petrolia, Pa., assignor to
born Sons, Inc. Wax winding and slabbin
2,644,645, July 7.
Bevington, Kenneth A., Evanston, Ill. Ice-cream
ging machine. 2,656,961, Oct. 27.
Bevins, James E.: *See*—
Bechberger, Paul F., and Bevins.
Bevis, Murray, Oak Ridge, Tenn., assignor,
assignments, to the United States of America
sented by the United States Atomic Energy
sion. Electrical integrator. 2,646,925, July 2
Bevis, William A., Pinner, and P. Cusack, Chisw
don, assignors to C. A. V. Limited, London,
Means for supplying auxiliary fuel to interna
tion engines. 2,658,490, Nov. 10.
Bewen, Edward M., St. Louis, Mo. Dishwashing
2,634,736, Apr. 14.
Bewick, Howard L., and K. R. Brown, Chicago
signors to The Sherwin-Williams Company,
Ohio. Dulled film-forming composition.
Feb. 3.
Bewley, Thomas: *See*—
Bellringer, Frederick J., Bewley, Snell, and
Bewley, Thomas, Epsom, and F. J. Wilkin
Downs, England, assignors to Hercules Pow
pany. Manufacture of phenol. 2,663,743, Dec
Bey, Guy A. C.: *See*—
Beauvais, Max, and Bey.
Beyer, Edward, Oak Ridge, Tenn. Slitter or s
tubes or sheaths. 2,648,899, Aug. 18.
Beyer, Herbert G., Baltimore, Md. Ice shaving
2,655,318, Oct. 13.
Beyer, Millard L., Hempstead, N. Y. Geographi
2,637,969, May 12.
Beyer, Thomas W., San Rafael, Calif. Machine
ing files. 2,627,143, Feb. 3.
Beyer, Walter O., Pittsburgh, Pa. Mobile
2,642,311, June 16.
Beyland, Sidney W., Bellerose, N. Y., assignor
ican Telephone and Telegraph Company. Pri
pression mechanism for teletypewriters.
June 9.
Beymer, Marshall, assignor of one-half to H.
Chicago, Ill. Welding generator. 2,626,367,
Beymer, Oren O., assignor to Irrigation E
Co., Inc., Eugene, Oreg. Drain plug for p
2,647,533, Aug. 4.
Beynon, John O., assignor to Sunshine Waterloo
ited, Waterloo, Ontario, Canada. Baby carri
2,634,162, Apr. 7.
Bezman, Irving I., Pittsburgh, assignor to A
Cork Company, Lancaster, Pa. Flexible floor
2,624,683, Jan. 6.
Bezman, Irving I., Pittsburgh, and D. D.
assignors to Armstrong Cork Company, Lanc
Vinyl resin dispersions. 2,624,718, Jan. 6.

Bezy, Georges, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Electronic device for very high frequencies. 2,627,050, Jan. 27.

Bianchi, Peter, New Haven, and J. C. Rothwell, Bolton, Conn.; said Rothwell assignor of one-fourth to J. T. Donohue, West Boylston, Mass., and one-fourth to J. F. Walsh, Columbia, Conn. Carton and box inverter. 2,662,653, Dec. 15.

Bianco, Henry J., assignor to The Burch Company, Baltimore, Md. Flush corner metal frame construction. 2,636,580, Apr. 28.

Bianco, Joseph F., Medford, Mass. Slotted dielectric coaxial line and making same. 2,663,754, Dec. 22.

Bianco, Peter J., assignor to General Motors Corporation, Detroit, Mich. Spring winding machine. 2,658,267, Nov. 10.

Biasi, Angelo, Wilkes-Barre, Pa. Universally mounted artificial pneumatic hand. 2,659,896, Nov. 24.

Bibko, Peter, Yonkers, N. Y. Automatic crankcase oil feed device. 2,626,017, Jan. 20.

Bible, Howard W., Jr., assignor to Hewitt-Robins Incorporated, Buffalo, N. Y. Making brushes. 2,634,167, Apr. 7.

Bice, Kenneth L., Framingham, Mass. Layout device for machine tools. 2,649,000, Aug. 18.

Bice, Raymond A.: *See*—
Annas, Paul J., and Bice.

Bice, William E., Jr., Lockeford, Calif. Bumper and step and trailer-hitch unit. 2,649,308, Aug. 18.

Bichowsky, Francis R., Alexandria, Va. Method and apparatus for interconversion of heat and electricity. 2,635,431, Apr. 21.

Bickel, Arthur J., Chicago, Ill., assignor to Accounting Forms, Inc. Bookkeeping device. 2,648,547, Aug. 11.

Bickford, Mary I., San Leandro, Calif. Invalid lift and carrier with stretcher clamp. 2,634,431, Apr. 14.

Bickham, Clifford M., Dyer, Ind. Automatic venturi draft control. 2,636,519, Apr. 28.

Bickle, Harry M., Heston, England. Oil filter. 2,636,610, Apr. 28.

Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Multibarrel carburetor. 2,640,472, June 2.

Bickoff, Emanuel M., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preservation of forage crops with phenol derivatives. 2,651,572, Sept. 8.

Bicocchi, Louis, La Salle, Ill. Variable tone duck call of the adjustable reed type. 2,651,141, Sept. 8.

Bidak, John: *See*—
Beamer, John D., and Bidak.

Bidard, Robert, and G. Prémilieu, Cormeilles-en-Parisis, France. Separator for electric accumulators. 2,633,479, Mar. 31.

Biddinger, Guy R.: *See*—
Darrow, Merritt I., Biddinger, and Patterson.

Biddinger, Guy R., Bellwood, and J. B. Hanner, Oak Lawn, assignors to Swift & Company, Chicago, Ill. Sealing machine. 2,641,304, June 9.

Biddinger, Guy R., Bellwood, and C. H. Koonz, assignors to Swift & Company, Chicago, Ill. Opening and cleaning poultry gizzards. 2,657,424, Nov. 3.

Biddinger, Guy R., Bellwood, and C. H. Koonze, assignors to Swift & Company, Chicago, Ill. Device for cleaning poultry gizzards or the like. 2,663,899, Dec. 29.

Biddison, Douglass, assignee: *See*—
Williams, David C.

Biddison, John M., assignor to H. W. Moore, Dayton, Ohio. Wire guiding device. 2,626,765, Jan. 27.

Biddlecombe, Charles C., North Valley Stream, N. Y. Locking handle for receptacle covers. 2,632,580, Mar. 24.

Biddlestone, Rena J., near Youngstown, Ohio. Time and activity occurring time comparing device. 2,629,186, Feb. 24.

Bidinger, Franz L., Kenosha, Wis. Record playing device. 2,661,217, Dec. 1.

Bieber, Clarence G., and W. F. Sumpter, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Valves for internal combustion engines. 2,664,354, Dec. 29.

Bieber, Frederick J., and L. E. Overholt, assignors to Acrometal Products, Inc., Minneapolis, Minn. Forming spools. 2,663,073, Dec. 22.

Bieber, Frederick J., assignor to Acrometal Products, Inc., Minneapolis, Minn. Spool. 2,657,876, Nov. 3.

Biederstadt, Walter W.: *See*—
Steczynski, Myron E., Biederstadt, and Rupp.

Biedess, Anthony R., assignor to Goodman Manufacturing Company, Chicago, Ill. Mucking machine. 2,627,357, Feb. 3.

Biefeld, Lawrence P., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Coated cloth and other resin and fiber compositions. 2,650,184, Aug. 25.

Biefeld, Lawrence P., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Flotation equipment. 2,660,736, Dec. 1.

Biegert, George, Elmhurst, N. Y., assignor to Mergenthaler Linotype Company. Spaceband and manufacturing same. 2,642,181, June 16.

Biehls, Elizabeth J., Erie, Pa. Butter melting and applicator unit for bread toasters. 2,639,658, May 26.

Bielak, Frank A., Fairview Park, and W. H. Neely, Cleveland, assignors to The Universal Wire Spring Company, Bedford, Ohio. Wire bracket for tubular rails. 2,641,432, June 9.

Bielawski, Mitchell S., Berwyn, and J. M. Mavity, Hinsdale, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of phosphoric acid-group IV metal oxide containing catalyst. 2,656,323, Oct. 20.

Bieler, Walter T., assignor of fifty per cent to W. H. Stephenson, Big Lake, Tex. Antifreeze tester. 2,636,378, Apr. 28.

Bielfeldt, Paul W., Harvey, Ill., assignor to Whiting Corporation. Heat exchanger. 2,655,347, Oct. 13.

Bielkowicz, Piotr, London, England, assignor to Z. M. Ciolkosz, Swarthmore, Pa. Fastening device. 2,660,775, Dec. 1.

Bielstein, Walter J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Wear indicator. 2,657,909, Nov. 3.

Biener, Herman, Brooklyn, N. Y. Rake. 2,663,987, Dec. 29.

Bier, Leo E., Los Angeles, Calif. Screw holding attachment for cruciform bit screw drivers. 2,625,971, Jan. 20.

Bierke, Svante F. N., Lidingo, assignor to Aktiebolaget Separator, Stockholm, Sweden. Refining of fatty oils, especially vegetable oils. 2,657,224, Oct. 27.

Bierlein, Carl A., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Pump priming. 2,655,139, Oct. 13.

Bierlich, Johannes H., Copenhagen, Denmark. Venetian blind. 2,662,592, Dec. 15.

Bierman, Arthur D.: *See*—
Bierman, Daniel H., Jawett, and Bierman.

Bierman, Daniel H., Elmont, J. A. Jawett, Jamaica, and A. D. Bierman, Elmont, assignors to Liquidepth Indicators Incorporated, Long Island City, N. Y. Multiway valve. 2,639,723, May 26.

Bierman, Daniel H., Malverne, N. Y. Manual multiway valve. 2,633,324, Mar. 31.

Bierman, Daniel H., Malverne, and J. A. Jawett, Jamaica, assignors to Liquidepth Indicators Incorporated, Long Island City, N. Y. Pump. 2,639,838, May 26.

Bierman, William, New York, N. Y. Exerciser for subnormal muscles. 2,630,115, Mar. 3.

Bierne Associates, Inc., assignee: *See*—
Nieset, Robert T.

Biesel, Berthold, assignee: *See*—
Sievern, Frederick, and Fox.

Bigelow, Arthur L., Euclid, Ohio. Tube coupling. 2,640,716, June 2.

Bigelow, Benjamin E., Warren, Pa. Lap vise and bench. 2,638,805, May 19.

Bigelow-Garvey Lumber Co., assignee: *See*—
Johnson, Johan S.

Bigelow, Inc., assignee: *See*—
Overman, Horace W., and Wolgamott.

Bigelow, Maurice H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polymerizable polyester compositions. 2,624,714, Jan. 6.

Bigelow, Roy S., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,630,902, Mar. 10.

Bigelow-Sanford Carpet Company, Inc., assignee: *See*—
Carrigan, Raymond J.
Johnson, Charles R.
Reinhardt, Henry A.

Biggar and Associates, Inc., assignee: *See*—
Biggar, Louis H.

Biggar, Louis H., Kittredge, assignor to Biggar and Associates, Inc., Denver, Colo. Clarifying filter. 2,633,993, Apr. 7.

Bigger, Richard P.: *See*—
Magill, Donald G., and Bigger.

Bigger, Sallie B.: *See*—
McFerin, Sallie B.

Biggert, Florence C., Jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Tool feeding device. 2,632,332, Mar. 24.

Biggert, Florence C., Jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flying shear. 2,653,662, Sept. 29.

Biggs, Ruth A., Elmira, N. Y. Oven lighter. 2,637,989, May 12.

Bigler Manufacturing Company, assignee: *See*—
Bigué, Emile B.

Bigley, Miles G., assignor to Koppers Company, Inc., Pittsburgh, Pa. Coating. 2,637,660, May 5.

Biglin, H. C., Company, Incorporated: *See*—
Garth, Robert M.

Bigsby, Vernon L., Malvern, and A. J. Petraline, Phoenixville, assignors to Warner Company, Philadelphia, Pa. Chemical reactor. 2,657,120, Oct. 27.

Bigué, Emile B.: *See*—
Wood, Vollmer V., and Bigué.

Bigué, Emile B., Beverly Hills, Calif., assignor to Bigler Manufacturing Company, Las Vegas, Nev. Toy bank. 2,650,686, Sept. 1.

Bigwood, Joshua, & Son, Limited, assignee: *See*—
Tinley, Ernest L., and Hallett.

Bihaly, Lajos, assignor to Industrial Accountancy Partnership Limited, London, England. Interlining for the manufacture of chemically stiffened articles of wearing apparel. 2,652,349, Sept. 15.

Bikles, Fred, New York, N. Y. Sharpening and polishing machine. 2,648,174, Aug. 11.

Biko, Theodore R., and D. S. Deutsch, Los Angeles, Calif. Film attaching means for reels. 2,640,659, June 2.

Bilbrey, Charles R., Chicago, Ill. Pen or pencil holder. 2,647,517, Aug. 4.

Bilde, Tord E. D., and R. B. J. Hultberg, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Apparatus for washing clothes and centrifugally extracting liquid therefrom. 2,655,023, Oct. 13.

Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Dry rendering cooker. 2,650,807, Sept. 1.

Billsoly, Julius P.: *See*—
Richardson, Roger W., Billsoly, and Segura.
Starr, Charles E., Jr., McAdams, and Billsoly.
Watts, Rhea N., and Billsoly.

Bill, Robert O., San Leandro, Calif. Pressure fluid motor and combined telescopic guide and housing therefor. 2,635,583, Apr. 21.

Bill, Robert O., San Leandro, Calif. Convertible spring and hydraulic loading means for vehicles. 2,644,696, July 7.

Bill, Robert O., San Leandro, Calif. Elevator for a portion of a vehicle bed. 2,650,724, Sept. 1.

Billar, Louis L., Phoenix, Ariz. Identification code on sound records. 2,660,621, Nov. 24.

Bill-E-Company, assignee: *See*—
Seale, Frank E.

Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Illumination fixture and louvers therefor. 2,647,985, Aug. 4.

Billet, Philip, and I. Levy, New York, N. Y. Position adjusting device for furniture or the like. 2,651,055, Sept. 8.

Billet, Philip, and I. Levy, New York, N. Y. Adjustable back or headrest mechanism. 2,651,056, Sept. 8.

Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Automatic cylinder ridge reamer. 2,633,038, Mar. 31.

Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Cylinder surfacing tool. 2,637,953, May 12.

Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Rotatable hone. 2,637,954, May 12.

Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Ridge reamer. 2,638,799, May 19.

Billeter, Henry R., Highland Park, Ill., Cable connector. 2,639,927, May 26.

Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Apparatus for grinding the worn ends of valve tappets and the like. 2,645,068, July 14.

Billeter, Henry R., Highland Park, assignor to Ammco Tools, Inc., North Chicago, Ill. Micrometer gauge. 2,648,134, Aug. 11.

Billica, Harry R., Seaford, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyethylene terephthalate using antimony trioxide as polymerization catalyst. 2,647,885, Aug. 4.

Billica, Harry R., Seaford, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing monomeric glycol terephthalates. 2,662,093, Dec. 8.

Billings, Frank, Montesuma, Ind. Wall form. 2,644,997, July 14.

Billings, Roy O., Milwaukee, Wis. Grapple. 2,639,937, May 26.

Billings, Roy O., Milwaukee, Wis. Grapple. 2,652,280, Sept. 15.

Billings, William P., West Asheville, N. C. Fluid pressure controlled signal switch. 2,648,733, Aug. 11.

Billman, Carl A., Rochester, N. Y. Milling cutter. 2,656,591, Oct. 27.

Billman, Louis S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Aerial missile. 2,644,396, July 7.

Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Method and apparatus for molding concrete. 2,628,402, Feb. 17.

Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Molding concrete structures. 2,624,931, Jan. 13.

Billow, Arthur H., assignor to Landis Machine Company, Waynesboro, Pa. Machine for forming and threading bolts, screws, and the like. 2,643,402, June 30.

Bills, Glenn W., Portland, Oreg. Network calculating board. 2,650,760, Sept. 1.

Bills, John N.: *See*—
McConaha, Samuel, Jr., Bills, and McConaha.

Bills, Max E., Gary, Ind., assignor to United States Steel Corporation. Apparatus for connecting metal coating rolls with a driving mechanism. 2,660,979, Dec. 1.

Bills, Philip H., Longmeadow, J. A. Logan, Hadley, and T. J. Mesh, Easthampton, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Submerged solenoid operated pump. 2,624,491, Jan. 6.

Bills, Philip H., Lohgmeadow, J. A. Logan, Hadley, and T. J. Mesh, Easthampton, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dual rate liquid atomizing apparatus and dual firing rate oil burner embodying the same. 2,634,805, Apr. 14.

Billstein, Arthur E. F., Altoona, assignor to The
vania Railroad Company, Philadelphia, Pa.
detecting device. 2,645,938, July 21.

Bilodeau, Wilfred J., Windsor, Mass., assignor
eral Electric Company. Transformer cooling
struction. 2,632,041, Mar. 17.

Bilofsky, Myers A., Loch Arbour, and C. W.
Morristown, N. J. Vaporizer. 2,662,159, De

Bilski, Joseph A.: *See*—
Bird, James R., and Bilski.
Bird, James R., Calderhead, and Bilski.

Bimberg, Elmer M.: *See*—
Fricke, Guy C., Bimberg, and Schaffer.

Bimberg, Elmer M., Detroit, Mich., assignor t
Aviation Corporation, South Bend, Ind. Ca
2,656,165, Oct. 20.

Bimpson, Henry S., assignor to Allis-Chalmers
turing Company, Milwaukee, Wis. Protectin
for tubular conduits and the like. 2,646,818,

Binckley, Sydney W., Hollywood, Calif. Gas grav
2,641,923, June 16.

Binder, Regis C.: *See*—
Heilman, Raymond B., Nolan, and Binder.

Binder, William O., Niagara Falls, N. Y., ass
Union Carbide and Carbon Corporation. Ferr
mium steels. 2,624,668, Jan. 6.

Binder, William O., Niagara Falls, N. Y., assignor
Carbide and Carbon Corporation. Preparing s
alloys for rolling. 2,637,667, May 5.

Binder, William O., Niagara Falls, N. Y., assignor
Carbide and Carbon Corporation. Inert mona
shielded refractory metal remelting surface-d
moval process. 2,640,792, June 2.

Binder, William O., and R. A. Perkins, Niaga
N. Y., assignors to Union Carbide and Carbon
tion. Chromium steels. 2,624,670, Jan. 6.

Binder, William O., Niagara Falls, N. Y., and R
Pittsburgh, Pa., assignors to Union Carbide an
Corporation. Ferritic chromium steels. 2
Jan. 6.

Binding, Kenneth W., Medford, assignor to Mark
Company, Everett, Mass. Closure. 2,627,994,

Bindszus, William, Rutherford, N. J. Razor blad
machine. 2,642,111, June 16.

Binford, Benjamin L., assignor to Magnetrol,
cago, Ill. Liquid level responsive me
2,625,042, Jan. 13.

Bing, Herbert A.: *See*—
Mihalyi, Joseph, and Bing.

Bingaman, Walter, Champaign, Ill. Roll oiling a
for use with roll-making machines. 2,650,563,

Bingenheimer, Melvin, East McKeesport, ass
Westinghouse Electric Corporation, East Pi
Pa. Circuit breaker. 2,624,816, Jan. 6.

Bingham, David W., Brighton, Victoria, Australia
ratus for heating and/or cooling canned food
substances. 2,642,795, June 23.

Bingham-Herbrand Corporation, The, assignee: S
Feemster, David R., and Hinsey.
Hinsey, Robert S.

Bingham, Sidney H.: *See*—
Zeller, Theodore J., and Bingham.

Binghamton Metal Forms, Inc., assignee: *See*—
Yates, Richard C.

Binkowitz, Barnett, Brooklyn, N. Y. Support
for stockings. 2,638,602, May 19.

Binks Manufacturing Company, assignee: *See*—
Baur, John W., and Plos.
Harker, George A., Knetl, and Nelson.
Wilmes, William L.

Binks, Melvin J., assignor to Republic Patent Cor
Chicago, Ill. Electrically actuated ball lift fo
marble pin games. 2,628,102, Feb. 10.

Binks, Melvin J., assignor to Republic Patent
tion, Chicago, Ill. Ball projector. 2,660,157,

Binks, Melvin J., assignor to Republic Patent Cor
Chicago, Ill. Projecting device. 2,660,158,

Binks, Melvin J., and A. A. Samolis, assignors to
Patent Corporation, Chicago, Ill. Step-up me
2,638,789, May 19.

Binley, Harold L.: *See*—
Williams, William D., and Binley.

Binney and Smith Company, assignee: *See*—
Vogel, Max R., La Barre, and Perry.

Bintz, Louis A., Detroit, Mich. Fishing stand. 2
Aug. 25.

Biondi, Frank J.: *See*—
Becker, Edward J., and Biondi.

Birbaum, Lester W., assignor to La Belle Industr
Oconomowoc, Wis. Safety device for doorkno
2,655,398, Oct. 13.

Birch, Haley H., Preston, Nebr. Broom. 2,
July 21.

Bird, Charles, Dayton, Ohio. Apparatus for floa
finishing soft concrete. 2,624,250, Jan. 6.

Bird Electronic Corporation, assignee: *See*—
Bird, James R., and Bilski.
Bird, James R., Calderhead, and Bilski.

Bird, Frederick J., De Witt, Iowa. Bending ap
2,659,411, Nov. 17.

Bird, James R., Chagrin Falls, and J. A. Bilski, a
to Bird Electronic Corporation, Cleveland, Oh
justable probe for high-frequency electrical
2,636,084, Apr. 21.

Bird, James R., Chagrin Falls, H. J. Calderhead, and J. A. Biliski, assignors to Bird Electronic Corporation, Cleveland, Ohio. Combined voltage divider and crystal cartridge assembly for high-frequency electrical devices. 2,636,120, Apr. 21.

Bird, James R., Chagrin Falls, Ohio. Coupling means for coaxial electrical lines. 2,663,753, Dec. 22.

Bird, John H.: *See*—
Laverty, Irene M., and Bird.

Bird Machine Co., assignee: *See*—
Lyons, Sanford C.

Bird, Paul G., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Boiler water treatment. 2,627,502, Feb. 3.

Bird, Ralph S., and E. G. Voelker, Buffalo, N. Y. Sheet metal awning structure. 2,629,903, Mar. 3.

Bird & Son, inc., assignee: *See*—
Lincoln, Edward L.
Watson, William R.

Bird, Whitworth F., Swarthmore, Pa., and P. T. Bodell, Lynbrook, N. Y., assignors to Collins & Aikman Corporation, Philadelphia, Pa. Universal spinning frame. 2,624,075, Jan. 6.

Birdsall, Edwin H., San Diego, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Projection plotting lens and optical system. 2,644,361, July 7.

Birdsall, Elmer R., Mount View, Alaska. Can opener. 2,656,598, Oct. 27.

Birdsall, George T., Bethel, Conn. Method of and means for making hat bodies. 2,643,034, June 23.

Birdsall, James E., Bound Brook, assignor to C. F. Mueller Co., Jersey City, N. J. Machine for making food products. 2,642,819, June 23.

Birdsboro Steel Foundry and Machine Company, assignee: *See*—
Peterson, Edward C.
Peterson, Edward T.

Birdwell, Louis J., assignor to American Iron and Machine Works Company, Oklahoma City, Okla. Washout sub for well packers. 2,663,307, Dec. 22.

Biribauer, Frank A.: *See*—
Carlson, Carl S., Biribauer, and Porter.

Birkemeier, Henry P., Chicago, assignor to Bell & Gossett Company, Morton Grove, Ill. Fire door holder. 2,635,718, Apr. 21.

Birkmaier, John, Franklin Square, N. Y. Flush valve. 2,628,362, Feb. 17.

Birmingham, John N., Nutley, N. J., assignor to Celanese Corporation of America, New York, N. Y. Advancing reel. 2,660,808, Dec. 1.

Birmingham, John N., Nutley, N. J., assignor to Celanese Corporation of America, New York, N. Y. Extrusion apparatus. 2,661,497, Dec. 8.

Birmingham Tool & Gauge Company, Limited, assignee: *See*—
Tallis, Charles E.

Birnstiel, Eduard, Winterthur-Toss, Switzerland. Two-cycle rear piston compression engine. 2,645,214, July 14.

Birosh, John W., Roulette, Pa. Insecticide spray. 2,660,251, Nov. 24.

Birr, Rudolph G., Lombard, assignor to American Linen Supply Co., Chicago, Ill. Supply roll mounting means for dispensing cabinet. 2,637,503, May 5.

Birr, Rudolph G., Lombard, and P. W. Jespersen, Wilmette, Ill., assignors to American Linen Supply Co., Carson City, Nev. Fabric measuring and inspection machine. 2,656,756, Oct. 27.

Birse, James, Gateshead-on-Tyne, England. Means for feeding lengths of material between series of rollers. 2,635,872, Apr. 21.

Birt, Arthur W., Kings Langley, and J. W. Richardson, Watford, assignors to Piezo Crystals Limited, Redhill, Surrey, England. Mounting and holder for piezoelectric crystals. 2,639,393, May 19.

Birtman Electric Company, assignee: *See*—
Howard, Frank S.
Hulfish, Buford W.
Schwarz, Joseph A.
Sparklin, Charles H., and More.
Sporney, George C.

Birtwell, William C., North Scituate, assignor to Dunn Worsted Mills, Woonsocket, R. I. Lay motion for looms. 2,630,839, Mar. 10.

Birum, Herbert L., Jr.: *See*—
Hammitt, Andrew B., and Birum.

Birza, Raymond: *See*—
Donald, James, Stimson, and Birza.

Bisaga, Theodore, and D. Peczeniuk, Detroit, Mich. Folding tray structure for automobile instrument panels. 2,657,107, Oct. 27.

Biscoe, Percival H., and W. T. Slater, Jacksonville, Fla. Venetian blind. 2,647,572, Aug. 4.

Bishko, Maurice J., assignee: *See*—
Turner, Cecil R.

Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Radiation beam pattern recorder. 2,651,963, Sept. 15.

Bischoff, Ernst, Company, Inc., assignee: *See*—
Harvill, Edward K.

Bishoff, Frederick M., Arlington, Va. Collapsible and convertible enclosure for infants. 2,633,579, Apr. 7.

Bishop, Alfred E.: *See*—
Fink, Albert O., and Bishop.

Bishop, Alfred E., Dayton, Ohio, assignor to Superior Sugar Refining Company, Menominee, Mich. Extraction of pectin from sugar beet pulp. 2,626,706, Jan. 27.

Bishop, Alfred E., Dayton, Ohio, assignor to Superior Sugar Refining Company, Menominee, Mich. Extraction of pectin from sugar beet waters. 2,647,890, Aug. 4.

Bishop, Charles A., and T. F. Reed, Mount Lebanon, Pa., assignors to United States Steel Corporation. Tank reactor. 2,655,436, Oct. 13.

Bishop, Clifford B., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Intravenous solution flask provided with a snap-up bail. 2,652,054, Sept. 15.

Bishop, Coral J., Atlanta, Ga. Educational device. 2,635,360, Apr. 21.

Bishop, G. H., Company, assignee: *See*—
Westwood, Carridon G.

Bishop, H. Russell, administrator: *See*—
Patal, Imre.

Bishop, Harold W., Essex, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,624,056, Jan. 6.

Bishop, Harry A.: *See*—
Bogot, Alexander, and Bishop.

Bishop, Homer L., assignee: *See*—
Gardner, Arthur O.

Bishop, J., & Co. Platinum Works, assignee: *See*—
Hickey, George M.

Bishop, James R. T., Chicago, and D. E. Swanson, Evanston, Ill., assignors to International Minerals & Chemical Corporation. Holder for condiment jars. 2,654,485, Oct. 6.

Bishop, John, Centerline, Mich. Faucet drinking attachment. 2,632,671, Mar. 24.

Bishop, John W., Plainfield, N. J., assignor to Tide Water Associated Oil Company, New York, N. Y. Mineral oil compositions. 2,662,856, Dec. 15.

Bishop, Julius C., Sioux Falls, S. Dak. Swivel stool. 2,634,795, Apr. 14.

Bishop, Le Roy D., Kankakee, Ill., assignor to Armstrong Cork Company, Lancaster, Pa. Tile-counting device. 2,656,053, Oct. 20.

Bishop, Lewis H.: *See*—
Mead, William H., Bishop, and Finn.

Bishop, Lewis H., and J. S. Finn, Burlingame, assignors, by mesne assignments, to W. H. Mead, Oakland, Calif. Surface treating apparatus. 2,637,948, May 12.

Bishop, Morris C., West Orange, N. J. Drape and fixture for hanging the same. 2,648,379, Aug. 11.

Bishop, Peter H. H.: *See*—
Evans, Cyril G., and Bishop.

Bishop, Richard B.: *See*—
Denton, William I., and Bishop.

Bishop, Robert H., Champaign, Ill. Refrigeration apparatus and method. 2,641,111, June 9.

Bishop-Stansell Company, assignee: *See*—
Gardner, Arthur O.

Bishop, William H., Birmingham, England. Sliding roof for vehicles. 2,661,234, Dec. 1.

Bishop, William J., and G. C. Dibble, Logansport, Ind. Collapsible bleacher type back rest. 2,647,563, Aug. 4.

Bishop, William T., assignor to Hercules Powder Company, Wilmington, Del. Beneficiation of coal by flotation. 2,633,240, Mar. 31.

Bisner, Edward H., and P. P. Gallagher, Hollywood, Fla. Wheel-like seating device. 2,654,418, Oct. 6.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Vented explosion-proof lighting unit. 2,652,482, Sept. 15.

Bissell Carpet Sweeper Company, assignee: *See*—
Pullen, Fred W.

Bissell, Harry G., assignor to Jordan Regulator Corporation, Lebanon, Ohio. Diaphragm actuated balanced gate type pressure regulator. 2,640,498, June 2.

Bissell, Jonathan M., assignee: *See*—
Bissell, William J.

Bissell, William J., Pasadena, assignor to J. M. Bissell, Los Angeles, Calif. Hose clasp. 2,641,039, June 9.

Bissell, William T., and T. W. Potter, assignors to Journal Box Servicing Corporation, Indianapolis, Ind. Axle stop for journal boxes. 2,663,583, Dec. 22.

Bissman, Carl A., deceased, Springfield, Mo.; E. L. Bissman, executrix. Drawer mount with cushioned adapter glides. 2,653,852, Sept. 29.

Bissman, Carl A., deceased, Springfield, Mo.; E. L. Bissman, executrix. Full floating cushioned drawer for case goods. 2,664,334, Dec. 29.

Bissman, Elizabeth L., executrix: *See*—
Bissman, Carl A.

Bisson, Ethel M., assignee: *See*—
Bisson, Percival N.

Bisson, Percival N., Olympia, Wash., assignor, by decree of distribution to E. M. Bisson. Device for cleaning hard residue from tubes by rupturing said residue. 2,633,598, Apr. 7.

Bither, Isaiah M., Providence, R. I. Oil burner nozzle head element. 2,659,427, Nov. 17.

Bitler, John W., assignor to The Minster Machine Company, Minster, Ohio. Adjusting mechanism for control devices. 2,635,727, Apr. 21.

Bitler, John W., assignor to The Minster Machine Company, Minster, Ohio. Clutch and brake device. 2,636,581, Apr. 28.

Bitner, Charles, assignee: *See*—
Gallo, Richard L.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Rack for ice cubes and other trays. 2,627,981, Feb. 10.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Collapsible walled pallet. 2,648,455, Aug. 11.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Portable outdoor cooking or camp stove. 2,659,360, Nov. 17.

Bitomley, Frank P., deceased, East Orange, N. J.; K. Bitomley, executrix of said F. P. Bitomley. Buffing device. 2,639,565, May 26.

Bitomley, Katherine, executrix: *See*—
Bitomley, Frank P.

Bitterli, Emile V., Zurich, Switzerland, and M. Forrer, deceased, Paris, France, by A. J. Forrer, widow and heir and guardian of minor heirs, assignors to Compagnie Generale d'Electricite, Paris, France. Apparatus for coating and uniting textile cords to form a weftless fabric. 2,628,655, Feb. 17.

Bitterlin, Otto: *See*—
Bossard, Werner, and Bitterlin.

Bittles, James A., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizable esters of alpha-methylene carboxylic acids. 2,628,958, Feb. 17.

Bituminous Coal Research, Inc., assignee: *See*—
Hatton, Willard J.
Hatton, Willard J., and Carlson.
Hatton, Willard J., and Sherman.
Miller, Carl E.
Von Stroh, Gerald F. H.
Von Stroh, Gerald F. H., and Clarke.
Yellott, John I.

Bitzer, Gottlob, Lincoln Park, assignor to Textile Machine Works, Wyomissing, Pa. Drawoff tensioning means for knitting machines. 2,653,461, Sept. 29.

Bitzer, Gottlob, Lincoln Park, assignor to Textile Machine Works, Wyomissing, Pa. Anticorrosion needle mounting. 2,653,906, Sept. 29.

Bitzer, Gottlob, Lincoln Park, H. C. Pingel, Wyomissing, and C. R. Fegley, Laureldale, assignors to Textile Machine Works, Wyomissing, Pa. Carrier rod driving mechanism for knitting machines. 2,637,183, May 5.

Bitzer, Jack A., Lancaster, and E. N. Wolstmann, assignors to O-Cel-O, Inc., Buffalo, N. Y. Jointed handle. 2,653,840, Sept. 29.

Bivens, Carl F., Denver, Colo. Eye protector and glare shield. 2,635,239, Apr. 21.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Protective control circuits. 2,631,267, Mar. 10.

Bivens, Norman A., North Hollywood, Calif. Recoil pad. 2,650,446, Sept. 1.

Bixby Box Toe Co. Inc., assignee: *See*—
Gauthier, Earl H. G.

Bixby, Harry A., Brattleboro, Vt. Wallpaper pasting machine. 2,644,424, July 7.

Bixby, Walter, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool, head and bearing element therefor and making. 2,636,695, Apr. 28.

Bixby, William H., assignor to D. R. Middleton, and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Regulated rectifying apparatus. 2,630,557, Mar. 3.

Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Abnormal voltage indicating device. 2,645,765, July 14.

Bixler, Andrew L. M.: *See*—
Dieffenderfer, Daniel, and Bixler.

Bixler, Andrew L. M., Milford, N. J., and J. I. Fisher, Easton, Pa., assignors to Riegel Paper Corporation, New York, N. Y. Making elastomer containing paper. 2,635,045, Apr. 14.

Bjaaland, Conrad O., Coeur d'Alene, Idaho. Portable excavating and loading machine. 2,641,372, June 9.

Bjering, Olav: *See*—
Barnby, Herbert A., and Bjering.
Hohl, John, and Bjering.
Ninneman, Eric O., Webster, Hohl, and Bjering.

Bjering, Olav, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Method and apparatus for sealing containers. 2,652,964, Sept. 22.

Bjork, Carold F., Luke, Md., and M. F. Bondy, Watertown, Mass., assignors to the United States of America as represented by the Secretary of War. Ignition safety device for induction fired rockets. 2,640,417, June 2.

Bjorklund, Warren, South St. Paul, and H. Kartarik, St. Paul, assignors to Minnesota Wood Specialties, Inc., St. Paul Park, Minn. Counterbalance and support means for ceiling-mounted folding stairways. 2,649,237, Aug. 18.

Bjorksten, Johan: *See*—
Sheridan, Eleanor G., Yaeger, and Bjorksten.

Bjorksten, Johan, Madison, Wis., S. O. Fiedler, Cleveland, Ohio, and L. L. Yaeger, Madison, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Coated plastic products. Re. 23,753, Dec. 15.

Bjorksten, Johan A., Madison, and J. B. Eisen, Waterloo, Wis., assignors to Monsanto Chemical Company, St. Louis, Mo. Nonelectrostatic synthetic resin material. 2,624,725, Jan. 6.

Bjorksten Research Laboratories, Inc., assigne
Andersen, Gordon W., and Diehl.
Meyer, Earl A.

Bjornstad, Thor, Philadelphia, Pa., assignor t
Machinery Company, Inc., Metuchen, N. J. S
ing device. 2,625,446, Jan. 13.

Bjoro, Edvin F., and J. M. Fisher, Huntingto
assignors to The Spool Cotton Company, New
Display cabinet. 2,631,916, Mar. 17.

Bjurström, Thure H., Hallstahammar, Swede
pump. 2,651,454, Sept. 8.

Black, Averno T., Deseret, Utah. Water gate.
May 5.

Black, Bernard A., and S. Kaim, assignors to
Fast & Co., Chicago, Ill. Stripping a
2,624,897, Jan. 13.

Black-Clawson Company, The, assignee: *See*—
Baxter, Joseph, Jr.
Croake, William D., and Ellis.
Petry, Lewis W., and Baxter.
Staege, Stephen A.
Staege, Stephen A., and Gibson.

Black, David G., Pataskala, Ohio, assignor, b
assignments, to the United States of America
sented by the Secretary of Agriculture. Cott
cleaner process. 2,651,812, Sept. 15.

Black & Decker Manufacturing Company, The,
See—
Baker, James N.
Holford, Frank L.
Wilhide, Glenn C.

Black, Donald, assignee: *See*—
Gilbert, Charles L.

Black, Donald W., Pompton Plains, N. J., as
Federal Telephone and Radio Corporation, N
N. Y. Selenium rectifier. 2,660,698, Nov. 24

Black, Edward T., Pittsburgh, Pa., assignor t
States Steel Corporation. Multiple cutter b
vice. 2,630,725, Mar. 10.

Black, Eric A., Red Bank, N. J. Adjustable a
2,625,815, Jan. 20.

Black, Eric A., Red Bank, N. J., assignor to Spor
Inc. Image recording device. 2,633,054, Mar

Black, Eric A., Red Bank, N. J. Sandwich-typ
panel. 2,641,561, June 9.

Black, George W., Houston, Tex. Hand truck.
July 14.

Black, Harvey B., Bogota, N. J. Variable-spe
mission. 2,638,796, May 19.

Black, Howard M., Los Angeles, assignor to
Novelty Company, Gardena, Calif. Treadmill
ing toys. 2,660,811, Dec. 1.

Black, James, and O. Hedstrom, assignors to Arn
Company, Chicago, Ill. Container-aligning
apparatus. 2,662,632, Dec. 15.

Black, James B., Rockford, Ill., assignor to T
Clutch Company, Racine, Wis. Power tran
2,632,539, Mar. 24.

Black, James B., and W. F. Shurts, Rockford, Ill.,
to Twin Disc Clutch Company, Racine, Wis
transmission. 2,642,168, June 16.

Black, James F., Roselle, N. J., assignor to
Oil Development Company. Analytical sam
2,649,011, Aug. 18.

Black, James G., assignor to A. C. Nielsen Comp
cago, Ill. Remote radio receiver tuning indic
paratus. 2,654,651, Oct. 6.

Black, James J., Cincinnati, Ohio, assignor, b
assignments, to Trailmobile Inc. Safety coupli
anism for semitrailers. 2,625,406, Jan. 13.

Black, James J., Cincinnati, Ohio, assignor, by m
signments, to Trailmobile Inc. Two-wheel dum
2,628,126, Feb. 10.

Black, James J., assignor to The Kroger Co., Cl
Ohio. Elevator apparatus for vehicles.
Apr. 21.

Black, John B., Garrett, Pa. Blind bolt. 2,632,
24.

Black, Leon P., Cliffside Park, N. J. Automatic
writing and drawing machine. 2,642,659, Ju

Black, Millard S., Huntington Park, and A. G.
Jr., Whittier, assignors to Fluid Packed Pu
pany, Los Nietos, Calif. Interfitting machine
2,647,847, Aug. 4.

Black, Robert B., assignee: *See*—
Angell, Robert C.

Black, Robert B., Corpus Christi, Tex. Dental h
2,641,839, June 16.

Black, Robert F., Jr., and B. T. Lapsley, Dorchest
Wire pulling tool. 2,645,956, July 21.

Black, Robert J.: *See*—
Corbell, Paul I., and Black.

Black, Rodney E.: *See*—
Aston, John G., and Black.

Black, Sheppard A., Nutley, N. J., assignor t
States Rubber Company, New York, N. Y. A
for testing elastic material. 2,641,128, June

Black, Sivalls & Bryson, Inc., assignee: *See*—
Coffman, Robert S.
Coffman, Robert S., and Simms.
Kimmell, Garman O.

Black, Theodore R., Tipp City, Ohio. Endless
veyer. 2,648,423, Aug. 11.

Black, William A., Montclair, N. J., assignor to General Time Corporation. Electric clock. 2,644,293, July 7.
Blackburn, Bryan, assignor to R. D. Cole Manufacturing Co., Newnan, Ga. Elevated storage tank. 2,657,819, Nov. 3.
Blackburn, Charles I., Hudson, and K. H. Percy, assignors to J. B. Hudak, Twinsburg, Ohio. Keyhole illuminator. 2,661,417, Dec. 1.
Blackburn, Charles W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Switch for automatic pumping units. 2,651,995, Sept. 15.
Blackburn, Luther A., Lynwood, Calif. Frame structure. 2,632,532, Mar. 24.
Blackburn, Newell F., Fort Belvoir, Va., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Nickel plating. 2,664,392, Dec. 29.
Blackburn, Ricardo, Heidelberg, Victoria, Australia. Lavoratory seat. 2,645,784, July 21.
Blacker, Latham V. S., Coldhayes, Liss, England. Projectile. 2,657,630, Nov. 30.
Blacker, Nicklos: *See*—
Tessier, Noel, and Blacker.
Blackford, Raymond H., Flushing, assignor to Durabla Manufacturing Co., New York, N. Y. Check valve. 2,649,277, Aug. 18.
Blackhawk Mfg. Co., assignee: *See*—
Traut, William A.
Blackman, Birt G., and D. O. Nelson, Los Angeles, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Paper feed mechanism for recorders. 2,660,380, Nov. 24.
Blackman, Edward L., New York, N. Y. Trousers hanger. 2,639,847, May 26.
Blackman, Edward L., New York, N. Y. Automobile door construction. 2,647,790, Aug. 4.
Blackman, Edwin N.: *See*—
Blackman, Paul F. and E. N., and Shipp.
Blackman, Fred T., Newington, assignor to Veeder-Root, Inc., Hartford, Conn. Keying device. 2,657,082, Oct. 27.
Blackman, Paul F. and E. N., and J. W. Shipp, Los Nietos, Calif.; said E. N. Blackman and said J. W. Shipp assignors to said P. F. Blackman. Hoisting mechanism. 2,633,999, Apr. 7.
Blackman, Peter: *See*—
White, Blanche B., and Blackman.
Blackman, Seymour N., Teaneck, N. J. Container for hypodermic needles. 2,651,407, Sept. 8.
Blackman, Seymour N., Teaneck, assignor to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Marking hypodermic syringes. 2,658,837, Nov. 10.
Blackmon, John O., assignee: *See*—
Trautmann, Herbert L.
Blackmond, Paul E., Niles, Mich. Wheelbarrow with tub and hose reel attachments. 2,636,747, Apr. 28.
Blackmore, Fred N., Royal Oak, assignor to Bendix Aviation Corporation, Detroit, Mich. Rate meter. 2,625,656, Jan. 13.
Blackstone Corporation, assignee: *See*—
Briggs, Allan L.
Bladh, Elmer H.: *See*—
Alexander, Lowell M., and Bladh.
Blaing-Leisk, Edwin G.: *See*—
Johnson, Scott R., and Blaing-Leisk.
Blair, Athol E., Santa Cruz, Calif. Valve closing mechanism for water closets. 2,626,399, Jan. 27.
Blair, Athol E., Santa Cruz, Calif. Water-saving device for flush tanks. 2,626,401, Jan. 27.
Blair, Cecil L., and R. L. Fox, Waterloo, assignors to Deere Manufacturing Co., Dubnque, Iowa. Implement and traller hitch. 2,654,613, Oct. 6.
Blair, Charles M., Jr., and W. F. Gross, Webster Groves, Mo., assignors to Petrolite Corporation. Preventing corrosion. 2,640,029, May 26.
Blair, David, Chicago, Ill. Shoulder strap holder. 2,643,380, June 30.
Blair, David, Chicago, Ill. Undergarment. 2,653,322, Sept. 29.
Blair, Emile, New Haven, Conn., assignor to Olin Industries, Inc. Extrusion of metals. 2,630,916, Mar. 10.
Blair, Robert C., East Leake, near Loughborough, assignor to The British Plaster Board Limited, Wallasey, England. Mechanism for handling boards. 2,645,329, July 14.
Blair, Royer R., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor system for controlling pressure. 2,649,560, Aug. 18.
Blair, Walter, Detroit, Mich. Pneumatic hoist. 2,644,307, July 7.
Blair, Walter, Detroit, Mich. Pin sweeping device. 2,656,187, Oct. 20.
Blais, Clemence A., Sr., East Moline, Ill. Lens cover device for telescopic sights. 2,632,252, Mar. 24.
Blais, John F., Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. Flowable melamine resin and diguanidine carbonate. 2,633,459, Mar. 31.
Blaisse, Berndt S., Voorburg, assignor to N. V. Optische Industrie "De Oude Delft," Delft, Netherlands. Large-aperture optical system comprising two reflecting and refracting spherical surfaces in axial alignment. 2,656,761, Oct. 27.
Blaizot, Pierre, assignor to Institut de Recherches pour les Huiles de Palme et Oleagineux, Paris, France. Obtaining carotene from palm oil. 2,652,433, Sept. 15.
Blake, Charles A., Bellmore, N. Y. Clothesline adjusting device. 2,632,932, Mar. 31.
Blake, Edward S., Lexington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Dialkyl esters of glycol polycarboxylic acid esters. 2,624,754, Jan. 6.
Blake, Edward S., Lexington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Sulfated hydroxy alkyl thio succinates. 2,630,449, Mar. 3.
Blake, Edward S., Medford, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Mineral oil composition. 2,628,939, Feb. 17.
Blakeley, Francis M., Clayton, N. Mex. Universal joint bearing cup holder. 2,645,258, July 14.
Blakely, Robert E.: *See*—
Bryce, James W., and Blakely.
Blakemore, Elmo D., Flint, Mich. Safety button. 2,625,052, Jan. 13.
Blaker, George H., Moorestown, and E. B. Cain, Collingswood, N. J., assignors to Radio Corporation of America. Positioning structure for cathode-ray tubes. 2,627,066, Jan. 27.
Blaker, Robert H., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Dyeing of polyacrylonitrile fibers. 2,653,074, Sept. 22.
Blakeslee, Charles R., Hollydale, Calif. Harpoon gun. 2,660,993, Dec. 1.
Blakeslee, Clinton A., assignor to The Bristol Company, Waterbury, Conn. Multiple-point measuring instrument. 2,628,149, Feb. 10.
Blakey, John G., Portland, Oreg. assignor to American Can Company, New York, N. Y. Weighing and mixing device. 2,653,786, Sept. 29.
Blalock, William L.: *See*—
Allison, John R., and Blalock.
Blamey, Almon C.: *See*—
Brownlie, John, Gerstenzang, and Blamey.
Blan, Clayton D., Tucson, Ariz. Rearview mirror means. 2,663,225, Dec. 22.
Blanc, Jacques, Bois-Colombes, assignor to Societe d'Exploitation des Materiéls Hispano-Suiza, S. A., Bois-Colombes (Seine), France. Rotor for fluid machines. 2,662,685, Dec. 15.
Blanchard, Benjamin W., Jr., Pine Hill, N. J. Radio antenna. 2,648,770, Aug. 11.
Blanchard, Bernard E.: *See*—
Brolin, Anders H., Kamholtz, and Blanchard.
Blanchard, Donn C., Miami, assignor to E. L. Denison, North Miami, Fla. Weather seal for jalousie windows. 2,654,921, Oct. 13.
Blanchard, Evelyn L.: *See*—
Kempf, Clayton A., and Blanchard.
Blanchard, Floyd W., Camas, Wash. Closure cap retainer. 2,640,625, June 2.
Blanchard, Loring W., Jr.: *See*—
Malm, Carl J., and Blanchard.
Blanchard, Paul, Paris, France. Furnace. 2,659,588, Nov. 17.
Blanchard, Robert L., New York, N. Y. Tent construction. 2,646,057, July 21.
Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom picking mechanism. 2,624,371, Jan. 6.
Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Chain drive for loom shedding mechanism. 2,640,504, June 2.
Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Movable reed for electric protection. 2,642,900, June 23.
Blancher, Donald W., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Electronic switching and mixing circuit for pulsating direct current. 2,639,379, May 19.
Blancher, Donald W., assignor to Bendix Aviation Corporation, North Hollywood, Calif. High-frequency coupling system. 2,660,710, Nov. 24.
Blanchet, Charles, assignor to Etablissements Neyrpic, Grenoble, France. Desilting valve. 2,636,609, Apr. 28.
Blanchet, Henry, Ridgefield, N. J., assignor to Freeport Sulphur Company, New York, N. Y. Cooling of molten sulfur. 2,632,691, Mar. 24.
Blanchette, Frank W., Montclair, N. J. Gauging apparatus for grinding machines and the like. 2,647,347, Aug. 4.
Blanchett, Luther E., South Milwaukee, and C. L. Steffen, Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Dynamoelectric machine. 2,641,737, June 9.
Blanco, Elias, and Z. Melnikoff, Los Angeles, Calif. Crayon sharpener. 2,624,316, Jan. 6.
Bland, Marshall R., House Springs, and E. J. Young, Valley Park, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of dialkoxythiophosphoryl chloride. 2,663,723, Dec. 22.
Bland, Reginald B., Newport News, Va. Combined microphone and receiver for audiphones. 2,634,337, Apr. 7.
Bland, Rophie E., New York, N. Y., assignor to Houdry Process Corporation, Wilmington, Del. Protecting the walls of vessels containing fluent granular solids. 2,639,215, May 19.

Blanding, Forrest H., Cranford, N. J., assignor to Standard Oil Development Company. Combination process for producing lubricating oils. 2,660,552, Nov. 24.
Blaney, Arthur C., Los Angeles, and K. Singer, North Hollywood, Calif., assignors to Radio Corporation of America. Direct positive sound recording. 2,647,169, July 28.
Blaney, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Combination sound recording and record. 2,628,288, Feb. 10.
Blaney, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Combination photographic and magnetic sound record and producing same. 2,657,932, Nov. 3.
Blank, Charles E.: *See*—
Carpenter, Allan O., and Blank.
Blank, Cecil G.: *See*—
Little, John M., and Blank.
Blank, Robert E.: *See*—
Grummitt, Oliver J., Blank, and Marsh.
Blank, Wilhelm, Goppingen Wurttemberg, Germany. Brassière. 2,648,070, Aug. 11.
Blanke, Nathan E., and H. J. Sands, assignors to The Harvard Manufacturing Company, Cleveland, Ohio. Center support unit for bedframes. 2,644,959, July 14.
Blanke, Nathan E., and H. J. Sands, assignors to The Harvard Manufacturing Company, Cleveland, Ohio. Center support unit for bedframes. 2,644,960, July 14.
Blanke, Nathan E., and H. J. Sands, assignors to The Harvard Manufacturing Company, Cleveland, Ohio. Divan with shiftable back. 2,656,548, Oct. 27.
Blanken, Maurice C., Staten Island, N. Y. Motor vehicle seat structure. 2,661,047, Dec. 1.
Blankenship, William G., Jr., and G. S. McCloy, Springfield, Mass. Fluid treating tank for photographic developing. 2,668,236, Dec. 22.
Blanning, Harry K., Chicago, Ill., assignor, by mesne assignments, to International Steel Company, Evansville, Ind. Seal for valve actuators. 2,659,242, Nov. 17.
Blanton, Charles H., Royal Oak, assignor to Ford Motor Company, Dearborn, Mich. Window regulator. 2,628,833, Feb. 17.
Blanton, William B., Rockville Centre, N. Y., F. L. Currie, Plainfield, and G. W. Janson, Nutley, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph exchange system. 2,632,043, Mar. 17.
Blase, Edwin W., Carle Place, assignor to Chas. Pfizer & Co., Inc., New York, N. Y. Solvent extraction of oxytetracycline. 2,658,078, Nov. 3.
Blaton, Armand E. A., Woluwe-Saint-Pierre, Brussels, assignor of one-half to E. J. L. Blaton, Brussels, Belgium. Tensioning and anchoring wire bundles for prestressed concrete structural elements. 2,637,895, May 12.
Blaton, Emile J. L., assignee: *See*—
Blaton, Armand E. A.
Blatt, David H., and F. R. Mann, Philadelphia, Pa. Cellular container for article shipping and storage. 2,634,042, Apr. 7.
Blatt, Paula, Berea, Ohio. Girdle. 2,649,585, Aug. 25.
Blatt, Paula, Cleveland, Ohio. Drop-seat panty. 2,659,367, Nov. 17.
Blattner, David G.: *See*—
Anderson, Fred A., Blattner, and Miller.
Blattner, Emil H., Buffalo, assignor to The Symington-Gould Corporation, Depew, N. Y. Journal box lid. 2,624,642, Jan. 6.
Blattner, Emil H., Buffalo, assignor to The Symington-Gould Corporation, Depew, N. Y. Side bearing. 2,636,789, Apr. 28.
Blattner, Emil H., Buffalo, assignor to The Symington-Gould Corporation, Depew, N. Y. Draft key retainer. 2,638,809, May 19.
Blattner, Emil H., Rochester, assignor to The Symington-Gould Corportion, Depew, N. Y. Journal box lid. 2,640,738, June 2.
Blattner, Emil H., and G. F. Couch, Rochester, assignors to The Symington-Gould Corporation, Depew, N. Y. Railway truck. 2,625,888, Jan. 20.
Blattner, Emil H., and G. F. Couch, Buffalo, assignors to The Symington-Gould Corporation, Depew, N. Y. Combined bolster center filler and rear draft lug unit. 2,633,250, Mar. 31.
Blatz, Albert V., Thiensville, assignor to A. O. Smith Corporation, Milwaukee, Wis. Side shift for crate lifting attachment. 2,650,733, Sept. 1.
Blatz, Albert V., Thiensville, assignor to A. O. Smith Corporation, Milwaukee, Wis. Crate lifting attachment. 2,660,327, Nov. 24.
Blatz, Leo J., Elizabeth, N. J., assignor to Standard Oil Development Company. Kerosene finishing process. 2,651,594, Sept. 8.
Blatz, Leo J., and R. C. Brandon, Elizabeth, N. J., assignors to Standard Oil Development Company. Regeneration of selective hydrogenation catalyst. 2,664,404, Dec. 29.
Blatt, Paula, Berea, Ohio. Girdle. 2,661,469, Dec. 8.
Blatz, Valdan C., and L. A. Pomeroy, assignors to Milroy Enterprises Inc., Middletown, Ohio. Device for cooking meat and toasting buns. 2,636,431, Apr. 28.
Blaurock, Edward E., Fort Wayne, Ind., assignor to United States Rubber Company, New York, N. Y. Apparatus for molding. 2,661,498, Dec. 8.
Blaw-Knox Company, assignee: *See*—
Andries, Alfonse M.
Angstadt, John W.
Bedson, Noel P.
Bedson, Noel Phillips.
Coats, Hal B.
Eckstrom, Albert W.
Kermer, Martin J.
Ornitz, Martin N., and English.
Sarosdy, Louis J.
Skillman, Paul.
Wilson, Bert A.
Wolf, Anthony S., and Zigan.
Blazej, Joseph, Chicago, Ill., assignor to Ur
Fastener Corporation, Cambridge, Mass. Snap
socket assembly. 2,626,442, Jan. 27.
Blazej, Joseph, Chicago, Ill., assignor to Ur
Fastener Corporation, Cambridge, Mass. Snap
socket assembly. 2,626,443, Jan. 27.
Blazek, John Y., Maple Heights, assignor to Lem
ucts, Inc., Bedford, Ohio. Abrasive belt tool.
Aug. 4.
Bleachers' Association Limited, assignee: *See*—
Melville, Alexander.
Blears, Jack, Davenham, and J. H. Leck, Stretf
land, assignors to General Electric Company.
for detecting leaks in vacuum systems. 2,652,
22.
Blease, Malcolm T.: *See*—
Litterio, Virgy E., and Blease.
Bledsoe, Ophard, Akron, Ohio. Apparatus for
paste to wallpaper. 2,658,471, Nov. 10.
Bledsoe, William K., Seattle, Wash., assignor
Airplane Company. Laminated glass-vinyl wi
2,650,890, Sept. 1.
Bledsoe, Woodrow W., Dyersburg, Tenn. Co
control system. 2,657,474, Nov. 3.
Bleecker, Edsell T., Denver, Colo. Process of
paratus for combustion of liquid fuel, vapori
liquids, and mixing of gaseous fluids.
Nov. 3.
Blegen, James R., Pottstown, Pa., assignor to Th
of the Plastics Industry, Inc. Flammabili
2,636,388, Apr. 28.
Bleier, Stanley, Asbury Park, N. J., assignor to t
States of America as represented by the Secret
Army. Inertia switch. 2,637,791, May 5.
Blendinger, George, Rochester, N. Y. Coi
2,626,098, Jan. 20.
Blenkle, Herbert A., Leonia, N. J., assignor to
Guarnieri, Inc., New York, N. Y. Multiple
fluid pressure actuated apparatus. 2,661,72
Blessing, Albert, G. Staudenmeier, H. Tilch, and
assignors to Keller and Knappich G. m. b. H. M
fabrik, Augsburg, Germany. Charging and di
device for refuse trucks. 2,645,371, July 14.
Blessing, Charles B., Oakland, Calif., assignor t
Packaging Company. Tension control reel.
May 5.
Blessing, Charles B., Oakland, Calif., assignor t
Packaging Company. Packaging hangered
2,639,566, May 26.
Blessing Packaging Company, assignee: *See*—
Blessing, Charles B.
Bletcher, James H., assignee: *See*—
Bletcher, Ralph E., and Bentley.
Bletcher, Pearl, assignee: *See*—
Lynch, Leslie.
Bletcher, Pearl W., assignee: *See*—
Bletcher, Ralph E., and Bentley.
Bletcher, Ralph E., assignee: *See*—
Bletcher, Ralph E., and Bentley.
Lynch, Leslie.
Bletcher, Ralph E., Los Angeles, Calif. Isola
2,657,703, Nov. 3.
Bletcher, Ralph E., and C. H. Bentley, Los Ange
assignors of ten per cent to R. E. Bletcher, t
one-half per cent to E. H. Bucknell, twelve an
per cent to M. Bucknell, ten per cent to P. W.
twenty-five per cent to M. B. Liston, ten pe
J. H. Bletcher, ten per cent to H. B. Skinne
per cent to C. R. B. Robertson. Show
2,657,954, Nov. 3.
Blevins, Alonzo, Jr., Huntington, W. Va. Port
2,632,582, Mar. 24.
Blevins, Walter G., Sr., and R. A. Coleman, Wes
and J. Mills, Drexel Hill, assignors to B
Mushroom Corporation, West Chester, Pa.
trimming machine. 2,638,949, May 19.
Blewett, Stephen E., Altadena, assignor of o
S. N. Blewett, Stockton, Calif. Temperature
2,628,442, Feb. 17.
Blewett, Stephen N., assignee: *See*—
Blewett, Stephen E.
Blick, Naomi T., administratrix: *See*—
Allison, Walter H.
Blicke, Frederick F., Washtenaw County, assig
gents of the University of Michigan, Ann Ar
3-thianaphthenyloxyacetic acid, its salts and
herbicidal composition thereof. 2,645,572, Ju

Blicke, Frederick F., assignor to Regents of The University of Michigan, Ann Arbor, Mich. Preparing 1-methyl-4-phenyl-4-cyanopiperidine. 2,657,208, Oct. 27.

Blickenderfer, Charles, Jr., Puyallup, and W. S. Brownfield, assignors to Weyerhaeuser Timber Company, Tacoma, Wash. Double saw carriage for lumber trimming machines. 2,641,288, June 9.

Blinka, Joseph, Wyoming, and H. J. Peddicord, Deer Park, assignors to The Proctor & Gamble Company, Ivorydale, Ohio. Reduction of fatty esters. 2,647,932, Aug. 4.

Blinking Dool Enterprises, Incorporated, The, assignee: *See*—
Romano, Anthony.

Bliss, E. W., Company, assignee: *See*—
Muller, Jules.

Bliss, Harvey N., Windsor, assignor to Veeder-Root, Incorporated, Hartford, Conn. Transfer mechanism for counters. 2,628,779, Feb. 17.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Control mechanism for controlling valves. 2,634,884, Apr. 14.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter mechanism. 2,645,425, July 14.

Bliss, Harvey N., Windsor, and O. Wild, Jr., West Hartford, assignors to Veeder-Root Incorporated, Hartford, Conn. Resetting and interlock mechanism for liquid dispensing apparatus. 2,626,082, Jan. 20.

Bliss, Harvey N., Windsor, and O. Wild, Jr., West Hartford, assignors to Veeder-Root Incorporated, Hartford, Conn. Control means for liquid dispensing apparatus. 2,660,335, Nov. 24.

Bliss, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastener inserting mechanism. 2,659,886, Nov. 24.

Bliss, Robert H., Mount Carmel, Conn., assignor to Rohm & Haas Company, Philadelphia, Pa. Preventing pollution of streams. 2,628,165, Feb. 10.

Bliss, Warren H.: *See*—
Barco, Allen A., Bliss, and Carpenter.

Bliss, William R., Washington, D. C. Antenna system. 2,644,089, June 30.

Blissel, John J.: *See*—
Magram, Sidney J., and Blissel.

Blizard, Walter S., assignor to Wolf Brothers, Inc., Philadelphia, Pa. Producing paper bags. 2,645,166, July 14.

Bloch, Alfred: *See*—
Davis, Herbert L., and Bloch.
Henderson, John, Bloch, and Davis.

Bloch, Erich, New York, N. Y. Support for manikins. 2,656,957, Oct. 27.

Bloch, Herman S.: *See*—
Thompson, Ralph B., and Bloch.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Modified phenolic resins. 2,631,140, Mar. 10.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Sulfur containing organic composition and making same. 2,636,029, Apr. 21.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Polyvinyl acetal resins. 2,644,807, July 7.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Lacquer composition containing a hydrocarbon derived resin. 2,648,640, Aug. 11.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Resin and its manufacture. 2,656,335, Oct. 20.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Vulcanized composition formed from sulfur, rubber, and an alkenyl phenol for joining metal, wood, glass, and thermosetting resins. 2,662,869, Dec. 15.

Bloch, Herman S., Chicago, and A. E. Hoffman, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Printing ink containing a polymerized olefin. 2,640,782, June 2.

Bloch, Herman S., Chicago, and A. E. Hoffman, Clarendon Hills, assignors to Universal Oil Products Company, Chicago, Ill. Process and product of producing hydrocarbon drying oils. 2,644,847, July 7.

Bloch, Herman S., Chicago, and H. E. Mammen, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Resinous condensation products from an aldehyde or ketone with a chroman, thiachroman, coumaran, or benzodihydrothiafuran. 2,657,193, Oct. 27.

Bloch, Karl: *See*—
Weber, Ira, and Bloch.

Bloch, Richard M., Waltham, assignor to Ratheon Manufacturing Company, Newton, Mass. Diagnostic information monitoring system. 2,634,052, Apr. 7.

Block & Anderson Limited, assignee: *See*—
Brown, Roland, and Watton.
Gerlach, Hugo.

Block, Inez, New Rochelle, N. Y. Bathing suit. 2,651,040, Sept. 8.

Block, Sven H., and E. Gylling, Skodsborg, Denmark, said Bloch assignor to said Gylling. Tachistoscopic device. 2,647,329, Aug. 4.

Block, Wilhelm F., White Plains, assignor to Remington Rand Inc., New York, N. Y. Visible index record card. 2,632,448, Mar. 24.

Blockert, Ernest B., New York, and A. Marino, Brooklyn, N. Y. Fountain pen of the pump type. 2,649,075, Aug. 18.

Blodgett, Edwin O., Rochester, N. Y. Teletypewriter circuit. 2,649,496, Aug. 18.

Blodgett, G. S., Co., Inc., The, assignee: *See*—
Neuls, Frederick C.

Blodgett, Katharine B., Schenectady, N. Y., assignor to General Electric Company. Forming semiconducting layers on glass and article formed thereby. 2,636,832, Apr. 28.

Blodinger, Jack: *See*—
Young, Richard W., and Blodinger.

Bloem, Herman, and M. Stel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Continuous method of preparing novolaks and devices suitable for such methods. 2,663,699, Dec. 22.

Blohm, Clyde L.: *See*—
Kohl, Arthur L., and Blohm.

Blok, Lourens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency furnace. 2,662,162, Dec. 8.

Blokolgas System, Inc., assignee: *See*—
Fitzpatrick, Stephen L.

Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Brake shoe and sander support adjusting means for railway vehicle brakes. 2,631,875, Mar. 17.

Blomgren, Oscar C., Evanston, Ill. Tire adapter. 2,656,083, Oct. 20.

Blomquist, George, assignee: *See*—
Hagelfeldt, Lydia A.

Blomstrand, John H., assignor of one-half to Frederick W. Nyquist, Minneapolis, Minn. Wire nut. 2,656,204, Oct. 20.

Blondeau, René: *See*—
Scott, Lawrence B., Whetstone, Van Overbeek, and Blondeau.

Blondel, Alfred, Paris, France. Automatic blending device for liquids. 2,660,190, Nov. 24.

Blondet, Maurice L., Versailles, France, assignor to General Electric Company. Voltage rectification and regulation power system. 2,635,219, Apr. 14.

Blood, Arthur R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dual pressure hydraulic apparatus. 2,651,179, Sept. 8.

Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Internal grinding machine. 2,646,652, July 28.

Blood, Leland C., Plymouth, assignor to Michigan Powdered Metal Products Company, Northville, Mich. Porous chambered bearing. 2,628,138, Feb. 10.

Blood, Robert H., Tulsa, Okla., assignor to Standard Oil Development Company. Hydraulic well packer. 2,631,672, Mar. 17.

Bloodworth, Thomas H., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric control system utilizing a saturable reactor for limiting currents. 2,632,139, Mar. 17.

Bloom, Abe M., Van Nuys, Calif. Time controlled valve closing mechanism. 2,653,659, Sept. 29.

Bloom, Albert, Summit, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of 4-chloro-2,5-dialkoxyanilines. 2,649,482, Aug. 18.

Bloom, Frank A. L., Detroit, Mich. Consumer package for fresh fruits or the like. 2,660,529, Nov. 24.

Bloom, Ildikó E., Closter, N. Y. Eyeglass attachment. 2,660,092, Nov. 24.

Bloom, Israel, New York, and J. Abrams, East Rockaway, assignors to Conelstan Corporation, New York, N. Y. Means and method of applying coiled layers of raffia to the bottom of bowls. 2,641,299, June 9.

Bloom, Mortimer C.: *See*—
von Hippel, Arthur, and Bloom.

Bloom, Mortimer C., and J. P. Levy, Boston, Mass., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electrodeposition of selenium. 2,649,410, Aug. 18.

Bloom, Quentin M., assignor to Selas Corporation of America, Philadelphia, Pa. Quenching apparatus. 2,625,944, Jan. 20.

Bloom, Samuel M., Brooklyn, N. Y. Shirt package and method of packaging. 2,632,564, Mar. 24.

Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Heat insulating arrangement for a plurality of coaxial turbines having opposed flow through double-tier blading. 2,624,173, Jan. 6.

Bloomberg, David J., Newton, Mass., assignor to General Electric Company. Turbine. 2,637,984, May 12.

Bloomer Bros. Company, assignee: *See*—
Inman, William H.
Inman, William H., and Holmes.

Bloomfield Bank and Trust Co., The, executor: *See*—
Ramage, John H., and Malin.

Blosick, Thomas J., Beaverton, assignor of one-half to J. D. Givnan, Portland, Oreg. Butcher's gambrel. 2,629,128, Feb. 24.

Blouin, Arthur E.: *See*—
Cowle, Wilbur E., and Blouin.

Blout, Elkan R., Cambridge, R. S. Corley, Boston, and P. L. Snow, assignors to Polaroid Corporation, Cambridge, Mass. Infrared band pass filter. 2,624,240, Jan. 6.

Blout, Elkan R., and J. E. Campbell, Cambridge, R. S. Corley, Boston, and P. L. Snow, assignors to Polaroid Corporation, Cambridge, Mass. Infrared band pass filter. 2,624,239, Jan. 6.

Bloxham, Ralph H., near Theodore, Ala. Ice-cream stick dispensing machine. 2,658,652, Nov. 10.

Bloxham, Ralph H., near Theodore, Ala. Block ice-cream slicer. 2,660,962, Dec. 1.

Bloxham, Verlin A., Berkeley, Calif. Apparatus for drying hops. 2,630,311, Mar. 3.

Bloxham, Verlin A., Berkeley, Calif. Apparatus for continuous drying of hops. 2,634,117, Apr. 7.

Bludeau, Robert E.: *See*—
Powers, John B., and Bludeau.

Blue, Glenn A., Emporia, Kans. Cavity and hypo injector for embalmers. 2,636,247, Apr. 28.

Blue, Robert D.: *See*—
Hunter, Ralph M., Blue, and Neipert.

Blue, Wayne, Long Beach, Calif. Range finder adapter for cameras. 2,649,038, Aug. 18.

Blue Bell, Inc., assignee: *See*—
Andrew, Clyde M.

Blue Channel Corporation, assignee: *See*—
Harris, Sterling G.

Blue Ridge Glass Corporation, assignee: *See*—
Glynn, Theodore W.
Lewis, Joseph H.

Blue Ridge Textile Company, Inc., assignee: *See*—
Brown, Clarence J., and Schwanda.
Schwanda, Theodore F.

Bluege, Oswald L.: *See*—
Milan, Horace R., and Bluege.

Blum Bros. Box Company, assignee: *See*—
Blum Paul L.

Blum, Felix A., Beverly Hills, Calif. Pulse jet convertible to ram jet-propulsion means. 2,635,421, Apr. 21.

Blum, John E., El Cerrito, Calif., assignor to The Glidden Company, Cleveland, Ohio. Preparing hard butter from hydrogenated coconut oil and similar oils. 2,657,995, Nov. 3.

Blum, Joseph K., Scarsdale, assignor to Burnwell Incinerator Corporation, New York, N. Y. Flue-unblocking and safety system for incinerators. 2,640,447, June 2.

Blum, Leopold: *See*—
Goldman, Jerome L., and Blum.

Blum, Paul L., assignor to Blum Bros. Box Company, Marshfield, Wis. Circular wood box. 2,654,499, Oct. 6.

Blumberg, Hamilton, G.: *See*—
Turner, Archibald P., and Blumberg.

Blume, Roe C., Waynesboro, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Rapid basic-catalyzed esterification of cellulose. 2,632,006, Mar. 17.

Blume, Roe C., and F. H. Swezey, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Rapid esterification of cellulose using a basic catalyst. 2,632,007, Mar. 17.

Blumenfeld, Joseph: *See*—
Weber, Isaac E., and Blumenfeld.

Blumensaadt, Svend G., Beachwood Village, assignor to The Universal Wire Spring Company, Cleveland, Ohio. Apparatus for wire springs. 2,643,758, June 30.

Blumensaadt, Svend G., Beachwood Village, assignor to The Universal Wire Spring Company, Cleveland, Ohio. Wire bending fixture. 2,645,268, July 14.

Blumensaadt, Svend G., Beachwood Village, E. H. Gutzman, Parma, and W. H. Neely, assignors to Universal Wire Spring Company, Cleveland, Ohio. Clinching apparatus. 2,640,986, June 9.

Blumenshien, Alice J., National City, Calif. Clothes catching attachment for ironing boards. 2,633,650, Apr. 7.

Blumenshine, Nellie B., Colfax, Ill. Toilet step-up for children. 2,629,882, Mar. 3.

Blumenthal, Sidney, & Co., Inc., assignee: *See*—
Dufourd, Andrew J., and Lovshin.

Blumenthal, Warren B.: *See*—
Urban, Stephen F., and Blumenthal.

Blumenthal, Warren B., Niagara Falls, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Making zirconium tetrachloride. 2,626,203, Jan. 20.

Blumenthal, Warren B., Niagara Falls, assignor to National Lead Company, New York, N. Y. Zirconium pigments. 2,626,255, Jan. 20.

Blumenthal, Warren B., Niagara Falls, assignor to National Lead Company, New York, N. Y. Fused reduced titania-zirconia product and method. 2,653,107, Sept. 22.

Blunt, Royden A., Baltimore, Md. Bottle. 2,644,599, July 7.

Blydenburgh, Harold L., assignor to The Moto-Mower Company, Detroit, Mich. Drive connection. 2,651,530, Sept. 8.

Boal, Edgar D., assignee: *See*—
Prizer, Eugene L.

Boadway, Thaddeus J., Pampa, Tex. Combination wall receptacle and plug switch. 2,636,950, Apr. 28.

Boardman, Edward M., Mountain Lakes, and M. C. Wooley, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Capacitor. 2,644,122, June 30.

Boardman, Raymond H., assignor to The Hart [illegible] turing Company, Hartford, Conn. Electric [illegible] 2,659,792, Nov. 17.

Boarman, Robert W., assignor to Columbia Bol[illegible] pany, Pottstown, Pa. Domestic heating [illegible] 2,633,106, Mar. 31.

Boast, Warren B., Ames, Iowa, and J. D. Ryde[illegible] paign, Ill., assignors to Iowa State College [illegible] Foundation, Inc., Ames, Iowa. Wattmeter-[illegible] 2,661,457, Dec. 1.

Boatwright, Stevens W., Alexandria, Va. Ca[illegible] template. 2,634,507, Apr. 14.

Bobb, Lloyd J., Glenside, assignor to The Inte[illegible] Electronics Company, Philadelphia, Pa. Mag[illegible] cording and reproducing circuits. 2,641,655, [illegible]

Bobbitt, Ernest L., Wheeling, W. Va. Glove. [illegible] Dec. 8.

Bobier, Wilfred S., Jr.: *See*—
Schorn, Carl F., Bobier, and Orr.

Bobo, Ned: *See*—
Bates, Arthur H., Jr., Bobo, Mullinax, and M[illegible]

Bobo, Roy A., Houston, Tex., assignor to Phillip[illegible] leum Company. Gas lift valve. 2,644,404, Ju[illegible]

Bobopen, Inc., assignee: *See*—
Cogswell, Wilton W., Sr., and W. F.

Bobrick, Arthur L., Pasadena, assignor to Bobri[illegible] facturing Corporation, Los Angeles, Calif. [illegible] for thick and viscous liquids. 2,645,386, July [illegible]

Bobrick Manufacturing Corporation, assignee: *Se*[illegible]
Bobrick, Arthur L.

Bobroff, Louis, Philadelphia, Pa. Adjustable ro[illegible] ture for load-carrying vehicles. 2,656,216, O[illegible]

Bobrowski, Stanley F., New Britain, and S. L. B[illegible] Bristol, Conn. Linoleum cutter. 2,641,834, [illegible]

Bobrowski, Stanley L.: *See*—
Bobrowski, Stanley F. and S. L.

Bocci, Adelchi, Florence, Italy. Steering gear for[illegible] 2,652,124, Sept. 15.

Bochan, John, Trenton, N. J., assignor to Gene[illegible] tric Company. Control for automatic wash[illegible] chines. 2,656,431, Oct. 20.

Bochan, Peter J., assignor to Assembled Un[illegible] Bridgeport, Conn. Multiple spool and thread [illegible] thereon. 2,639,866, May 26.

Bocji Corporation, assignee: *See*—
Lang, Joseph C.

Bock, Carl J., Birmingham, assignor to Genera[illegible] Corporation, Detroit, Mich. Brake drum [illegible] damper. 2,639,195, May 19.

Bock, Charles D.: *See*—
Agins, George, and Bock.

Bock, George E., Chicago, E. Roberts, Harvey, [illegible] E. C. Hokanson, Bell, Calif., assignors to Whi[illegible] poration, Harvey, Ill. Workstand. 2,627,10[illegible]

Bock, Joseph, Kalispell, Mont. Tractor seat [illegible] 2,641,308, June 9.

Bock, Louis H.: *See*—
De Benneville, Peter L., Leake, and Bock.

Bock, Louis H., assignor to Rayonier Incorpora[illegible] ton, Wash. Dibasic ether acid derivatives o[illegible] acid. 2,630,454, Mar. 3.

Bock, Louis H., assignor to Rayonier Incorpora[illegible] ton, Wash. Polyesters made from dibasic acid[illegible] from vanillin. 2,662,871, Dec. 15.

Bock, Louis H., and L. J. Carlson, assignors to [illegible] Incorporated, Shelton, Wash. Phenol ethe[illegible] 2,649,436, Aug. 18.

Bockelman, Bert M., Clarksville, Ohio. Latch[illegible] slidable members of jaw wrenches. 2,637,23[illegible]

Bockius, Christopher, Ridgewood, N. J., ass[illegible] American Machine and Foundry Company. Ar[illegible] ing and dispensing apparatus. 2,649,992, Aug[illegible]

Böckman, Oluf C.: *See*—
Sejersted, Johannes, and Böckman.

Bockmann, Arthur, Chicago, Ill. Folding box. [illegible] July 28.

Bocquel, René: *See*—
De France, Henri, and Bocquel.

Boddington, Richard J.: *See*—
Welker, Paul L., Boddington, and Woodruff.

Boddy, Leonard, Ann Arbor, Mich., assignor, [illegible] assignments, to The Anderson Company, G[illegible] Electric gauge mechanism. 2,625,132, Jan. 1[illegible]

Boddy, Leonard, Ann Arbor, Mich., assignor, [illegible] assignments, to The Anderson Company, G[illegible] Electrical signal control system. 2,625,595, J[illegible]

Bode, Harold E., Chicago, Ill., assignor to Nati[illegible] Company, New York, N. Y. Treatment of drill[illegible] with barium starch. 2,658,035, Nov. 3.

Bode, Robert G., Chicago, assignor to The Norw[illegible] pany, Morton Grove, Ill. Stand for sheet mu[illegible] like. 2,634,542, Apr. 14.

Bode, Robert G., Chicago, assignor to The Norw[illegible] pany, Morton Grove, Ill. Collapsible stand. [illegible] June 16.

Bodell, Philip T.: *See*—
Bird, Whitworth F., and Bodell.

Bodell, Philip T., Bristol, R. I., assignor to [illegible] Aikman Corporation, Philadelphia, Pa. Text[illegible] ing method and machine. 2,633,608, Apr. 7.

Bodell, Wilbur G., Tucson, Ariz. Flying sa[illegible] 2,632,614, Mar. 24.

Boden, George, Waterbury, and M. V. Duell, Oakville, Conn., assignors to Buxton, Incorporated, Springfield, Mass. Holder plate for key cases. 2,630,700, Mar. 10.

Boden, George, Waterbury, and M. V. Duell, Oakville, assignors to Scovill Manufacturing Company, Waterbury, Conn. Key container holder plate and retaining loop. 2,633,733, Apr. 7.

Boden, George L., Middle Haddam, and G. D. Wiepert, Branford, assignors to The Merriam Manufacturing Company, Durham, Conn. Combined latch and lock. 2,624,191, Jan. 6.

Bodendoerfer, Raymond E.: *See*—
Kummer, Theodore H., and Bodendoerfer.

Bodendoerfer, Raymond E., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Receptacle filler. 2,628,759, Feb. 17.

Bodenhafer, Clifford B.: *See*—
Kendall, Thomas L., Bodenhafer, and Plummer.

Bodenhoff, George B., assignor to A. M. Golubich, Cleveland, Ohio. Lap table. 2,640,747, June 2.

Bodensieck, Ernst J., Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Internally ported vane type pump. 2,653,548, Sept. 29.

Bodey, Charles E., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gas pilot burner and draft shield. 2,648,377, Aug. 11.

Bodin, Alfred, Palos Park, Ill., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Bodin. Tear strip remover for cans. 2,625,294, Jan. 13.

Bodine, Albert G., Jr., Van Nuys, Calif. Method of and apparatus for cutting materials. Re. 23,657, May 19.

Bodine, Albert G., Jr., Van Nuys, Calif. Acoustic means and method for suppressing detonation in internal-combustion engines. 2,662,513, Dec. 15.

Bodine, Albert G., Jr., Van Nuys, Calif. Detonation suppression piston for internal-combustion engines. 2,662,514, Dec. 15.

Bodine, Albert G., Jr., Van Nuys, Calif. Detonation suppression piston for internal-combustion engines. 2,662,515, Dec. 15.

Bodine, Albert G., Jr., Van Nuys, Calif. Piston for internal-combustion engines having acoustic detonation suppression means. 2,662,516, Dec. 15.

Bodine, Albert G., Jr., Van Nuys, Calif. Piston for internal-combustion engines having acoustic detonation suppression means. 2,662,517, Dec. 15.

Bodine, Herbert J., Newtown, Conn. Carrier for mower attachments. 2,663,134, Dec. 22.

Bodle, Alexander T., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Power transmission unit. 2,655,818, Oct. 20.

Bodoh, Albinus G., Glenview, assignor to J. P. Seeburg Corporation, Chicago, Ill. Selector for automatic phonographs. 2,624,795, Jan. 6.

Bodolay, Stephen, Inc., assignee: *See*—
Bodolay, Stephen M., and Vecchia.

Bodolay, Stephen M., Springfield, and D. S. Vecchia, Medford, assignors to Stephen Bodolay, Inc., Springfield, Mass. Package and making it. 2,651,578, Sept. 8.

Body, Alfred C.: *See*—
Cachat, John F., and Body.

Body, Alfred C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Method and means for butt welding. 2,629,805, Feb. 24.

Body, Alfred C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Means and method for electric seam welding. 2,632,079, Mar. 17.

Body, Alfred C., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. High-frequency induction-heating apparatus. 2,654,019, Sept. 29.

Body, Alfred C., and J. F. Cachat, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. High-frequency inductor arrangement. 2,635,177, Apr. 14.

Body, Alfred C., and J. T. Sabol, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Progressive high-frequency heating of variable-dimension shafts. 2,643,325, June 23.

Boe, Robert C.: *See*—
McDonald, Donald C., Mathews, and Boe.

Boeckeler, Benjamin C., assignor to The Hydrojet Corporation, Trenton, Mich. Jet pump. 2,632,597, Mar. 24.

Boedeker, Walter U., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Fluid pressure impact device. 2,627,846, Feb. 10.

Boeder, Paul A. K., assignor to American Optical Company, Southbridge, Mass. Variable power bifocal lens. 2,642,776, June 23.

Boegehold, Alfred L., Detroit, Mich. Comb and scissors, Combined. 2,629,171, Feb. 24.

Boehl, Wilhelm: *See*—
Wahl, Eugene A., and Boehl.
Wahl, Eugene A., Boehl, and Badenhausen.
Wood, Alfred G., Laval, Callaghan, Wahl, Greulich, and Boehl.

Boehm, Charles H., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Uniform dressing of contact rolls. 2,641,872, June 16.

Boehm, Frederick, assignor to Schutte & Koerting Co., Philadelphia, Pa. Protective cage structure for tubular gauges. 2,643,546, June 30.

Boehm, Gerhard W.: *See*—
Hurlburt, Charles E., and Boehm.

Boehmer, Harold, Salt Lake City, Utah. Machine for delinking and segregating cartridges. 2,638,029, May 12.

Boehm, Robert M.: *See*—
Richmond, James H., Boehm, and Hunt.

Boehringer, Albert, assignee: *See*—
Scheuing, Georg, and Vogelbach.

Boehringer, C. H., Sohn, assignee: *See*—
Scheuing, Georg, and Vogelbach.

Boehringer, Ernst, assignee: *See*—
Scheuing, Georg, and Vogelbach.

Boehringer, Ilse: *See*—
Scheuing, Georg, and Vogelbach.

Boeing Airplane Company, assignee. *See*—
Abraham, Frank J.
Anderson, Roy H.
Bledsoe, William K.
Butler, Van B.
Couture, Raymond E.
Fehring, Wendell B.
Finlay, Donald W., and Rohlfs.
Findlay, James A.
Hage, Sigurd D.
James, Varnell L. R.
Korsberg, John F., Gustafson, and Snyder.
Lawler, John A.
Leisy, Clifford J.
Mathison, Theodore M.
Millard, Mark F.
Myers, Gene R.
Schlender, William H.
Snow, Dale W.
Stineman, Russell W., and Ward.
Stoner, George H., Becker, and Levinson.
Tatom, Raymond F., and Kinnaman.
Terdina, Frank.
Van Ry, William H.
Walker, Robert E.
Wallen, Jarvis A.
Weiland, Richard H.
Wright, Gilbert F.
Yarber, Gordon W.
Yarber, Gordon W., Howell, and Chase.

Boeing, Harry H., Lake Zurich, Ill., assignor to The Rauland Corporation. Cathode-ray tube electrode. 2,627,047, Jan. 27.

Boeke, Jan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Manufacturing a magnetic material. 2,646,608, July 28.

Boelens, Willem W.: *See*—
Cock, Ludolf J., Dammers, Boelens, and de Miranda.

Boelens, Willem W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio circuit arrangement. 2,654,026, Sept. 29.

Boelens, Willem W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiving circuit with automatic volume control and noise suppressing means. 2,662,170, Dec. 8.

Boelens, Willem W., and P. Zijp, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement for frequency transformation of high-frequency oscillations. 2,647,205, July 28.

Boes, Floyd M., assignee: *See*—
Morris, Thomas L.

Boese, Alvin W., White Bear Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Nonwoven rayon fabric. 2,626,883, Jan. 27.

Boestad, Gustav K. W., Lidingo, and T. I. Lindhagen, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., trustees. Turbine. 2,652,227, Sept. 15.

Boestad, Gustav K. W., and E. O. Eriksson, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Apparatus for directing air to combustion products turbines. 2,654,220, Oct. 6.

Bogaards, Jacob N., The Hague, assignor of one-half to H. J. Hoving, Groningen, Netherlands. Temperature control for internal-combustion engines. 2,645,212, July 14.

Bogad, Sidney, assignee: *See*—
Rassner, Henry.

Bogan, Charles W., Washington, D. C., and R. L. Ginesi, Burnt Mills Hills, Md. Bottle and holder therefor. 2,659,920, Nov. 24.

Bogard, Ben T., Ruston, La. Nozzle closure-contact ring assembly for rockets. 2,645,999, July 21.

Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Motor-driven stock feed. 2,627,648, Feb. 10.

Bogart, Harold N., and D. C. Hart, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Brazing of austenitic ferrous metals. 2,633,633, Apr. 7.

Bogart, Marcel J. P.: *See*—
Mekler, Valentine, Bogart, Schauble, and Palchik.

Bogatenkoff, Boris: *See*—
Volff, Charles, and Bogatenkoff.

Bogdanffy, George W., C. O. Mitchell, and H. C. Uhlig, Clifton, assignors, by mesne assignments, to Howe Twister Corporation, Jersey City, N. J. Apparatus for cabling threads. 2,664,210, Oct. 6.

Bögemann, Max: *See*—
Lober, Friedrich, Bögemann, and Wegler.

Boggis, Henry P.: *See*—
Criley, William W., Criley, and Boggis.

Boggs, Alben C., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Sheathed resistor electric heater. 2,659,795, Nov. 17.

Boggs, H. D., Company, Ltd., assignee: *See*—
Boggs, Herbert D.

Boggs, Harvey V., assignee: *See*—
Miller, Clarence E.

Boggs, Herbert D., assignor to H. D. Boggs Company, Ltd., Omaha, Nebr. Apparatus and process for making molded fiber-filled plastic pipe threads. 2,629,894, Mar. 3.

Boggs, Herbert D., Tulsa, Okla., assignor to H. D. Boggs Company, Ltd., Omaha, Nebr. Pipe ejecting apparatus. 2,630,600, Mar. 10.

Boggs, Wilburn: *See*—
Pitt, Harold M., and Boggs.

Bogle, Nelson H., Lexington, Ky. Jaw crushing apparatus. 2,631,785, Mar. 17.

Bogle, Robert J., San Francisco, and R. E. Renard, Los Gatos, assignors to Pacific Can Company, San Francisco, Calif. Can wiping and shielding mechanism. 2,634,695, Apr. 14.

Bogot, Alexander, Oak Park, Ill., and H. A. Bishop, Highland Homes, Va., assignors to Combustion Engineering, Inc., New York, N. Y. Detection of stoppage in the flow of divided material. 2,659,881, Nov. 17.

Bogrow, Rose: *See*—
Everhart, Edgar, and Bogrow.

Bogue Electric Manufacturing Co., assignee: *See*—
Herbst, John A.
Ransom, David H., and Benjamin.
Ransom, David H., and Miller.

Bohaboy, Edward J., Berwyn, and L. A. Pojman, Cicero, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Control for material working machines. 2,655,240, Oct. 13.

Bohannon, George S., Colorado Springs, Colo., assignor to Crown Machine and Tool Company, Inc., Fort Worth, Tex. Plasticizing machine. 2,642,623, June 23.

Bohl, Lester E., New Martinsville, W. Va., assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Production of compounds of phosgene. 2,651,658, Sept. 8.

Bohl, Robert C., Sturtevant, Wis., assignor to Redmond Company, Inc., Owosso, Mich. Electric windshield wiper control. 2,651,013, Sept. 1.

Böhm, Helmut: *See*—
Koppelmann, Floris, and Böhm.

Bohm, William O., assignor to E. E. Thomas, Detroit, Mich. Sawhorse connector bracket. 2,647,803, Aug. 4.

Bohman, Axel J., deceased, North Hollywood, Calif.; The Farmers and Merchants National Bank of Los Angeles, executor. Endless conveyor for poultry feeding apparatus. 2,645,331, July 14.

Bohman, Robert J., Englewood, N. J. Means for preventing the separation of pairs of socks and the like during laundering. 2,663,877, Dec. 29.

Bohmker, Thomas W., Genesco, assignor to Deere & Company, Moline, Ill. Lifter for beet harvesters. 2,626,497, Jan. 27.

Bohmker, Thomas W., Genesco, assignor to Deere & Company, Moline, Ill. Draft control mechanism. 2,654,301, Oct. 6.

Bohn, August J., Atlanta, Ga. Water removing device for vehicle ventilating windows. 2,642,308, June 16.

Bohn, Ralph M.: *See*—
Antle, Lloyd L., and Bohn.

Bohne, Frederick P., Salem Depot, N. H., assignor to Western Electric Company, Incorporated, New York, N. Y. Paper measuring and delivery mechanism for coil winding machines. 2,649,252, Aug. 18.

Bohnet, Emil, Buffalo, N. Y. Indicating device. 2,659,979, Nov. 24.

Bohnert, John I., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Series reactance transformer. 2,637,781, May 5.

Bohnsack, John A.: *See*—
Hopeman, Albert A., Jr., and Bohnsack.

Boice-Crane Company, assignee: *See*—
Boice, William B.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,626,128, Jan. 20.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint. 2,626,190, Jan. 20.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Coupling member. 2,633,374, Mar. 31.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Coupling. 2,664,272, Dec. 29.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 2,664,322, Dec. 29.

Boice, Elvin G., R. G. Peter, and E. J. Volmert, assignors to Reed Roller Bit Company, Houston, Tex. Means for indicating temperatures. 2,633,025, Mar. 31.

Boice, William B., assignor to Boice-Crane Toledo, Ohio. Jointer bed structure. 2,635, 21.

Boice, William B., assignor to Boice-Crane Toledo, Ohio. Work rest and wheel mount. May 5.

Boicey, James H.: *See*—
Gaiser, Romey A., and Boicey.

Boicey, James H., and C. B. Williams, Jr., as Libbey-Owens-Ford Glass Company, Toledo, O paratus for pressing curved laminated saf 2,628,177, Feb. 10.

Bolleau, Arthur H., Cedar Rapids, Iowa, as Cherry-Burrell Corporation, Chicago, Ill. C tester. 2,628,773, Feb. 17.

Bolly, Norman E., Central Falls, R. I., assigno versal Winding Company, Boston, Mass. Yar device. 2,663,508, Dec. 22.

Boing, Richard: *See*—
Fechheimer, Paul R., Boing, and Frederick.

Boitos, Josef, Detroit, Mich. Adjustable sawhors 2,650,140, Aug. 25.

Boivinet, Jean H., Aix-en-Provence, France, as Pechiney Compagnie de Produits Chimiques e metallurgiques. Protective liner for a 2,633,414, Mar. 31.

Bojner, Gustav, Stockholm, Sweden. Rotary d and the like. 2,653,393, Sept. 29.

Bokelmann-Geesink, Aaltje G., heir: *See*—
Geesink, Myndert.

Bokenkroger, William H., Hudson Falls, and T. Glens Falls, assignors to Union Bag & Paper tion, Hudson, Falls, N. Y. Bag handle ma applying machine. 2,625,862, Jan. 20.

Bokhove, Karel H. J., Eindhoven, Netherlands, to Hartford National Bank and Trust Compa ford, Conn., as trustee. Magnetron of the ca nator type. 2,659,031, Nov. 10.

Boland, Calvin E., Visalia, Calif. Machine for paintbrushes, including liquid tanks and brus thereabove. 2,640,489, June 2.

Boland, Gus L., and J. T. Bertolani, Modesto, Ca arette extinguisher. 2,633,854, Apr. 7.

Bolanovich, Mirko, assignor to McDonnell Airc poration, St. Louis, Mo. Flame holder and tributing mechanism for ram-jet engines. Nov. 17.

Boldebuck, Edith M., J. R. Elliott, and G. F Schenectady, N. Y., assignors to General Elec pany. Preparation of diborane. 2,658,815, N

Boldebuck, Edith M., J. R. Elliott, and G. F Schenectady, N. Y., assignors to General Elec pany. Pressure method of preparing 2,658,816, Nov. 10.

Bolding, Hubert V., Jeffersonville, Ind., assigno Bradley & Gilbert Company, Louisville, Ky. carton. 2,643,811, June 30.

Bolding, Hubert V., Jeffersonville, Ind., assigno Bradley & Gilbert Company, Louisville, Ky carrier. 2,652,968, Sept. 22.

Bolding, Hubert V., Jeffersonville, Ind., assigno Bradley & Gilbert Company, Louisville, Ky. collapsible carton. 2,662,682, Dec. 15.

Bolding, Hubert V., and E. G. Gowens, Jeffersonv assignors to The Bradley & Gilbert Compan ville, Ky. Cube-supporting panel. 2,663,419.

Boldingh, Jan, Rotterdam, Netherlands, assignor Brothers Company, Cambridge, Mass. Separ soluble substances. 2,632,012, Mar. 17.

Boldrin, Frank S.: *See*—
Dunlap, Arthur H., and F. S. and W. C. Bol

Boldrin, William C.: *See*—
Dunlap, Arthur H., and F. S. and W. C. Bol

Bolduc, Albert, Detroit, Mich. Punch-removin 2,629,274, Feb. 24.

Bolelli, Aldo, Bologna, Italy. Centrifugal metho wet spinning of natural fibers and apparatus ing out this method. 2,647,358, Aug. 4.

Boles, Jack L.: *See*—
Oppenlander, Furlys F., and Boles.

Boles, Ted R., Toledo, Ohio. Motorboat. July 28.

Bolesky, John D., Mansfield, assignor to A. Mede land, and R. W. Bolesky, Mansfield, Ohio, Thermostatic control. 2,645,692, July 14.

Bolesky, Russell W., trustee, assignee: *See*—
Bolesky, John D.

Bolin, Carleton H., deceased, Seattle, Wash., Bolin, executrix. Automatic steering system. June 9.

Bolin, Jessie R., executrix: *See*—
Bolin, Carleton H.

Boling, Cecil, assignor to The Heat-X-Changer Brewster, N. Y. Refrigeration system with fluid heat transfer. 2,658,358, Nov. 10.

Boling, Cecil, assignor to The Heat-X-Changer Brewster, N. Y. Beverage cooler. 2,663,548, D

Boling, Cecil, assignor to The Heat-X-Changer Brewster, N. Y. Plate cooler. 2,663,551, Dec.

Boll, John H., Dearborn, and A. V. Raught, ass Dearborn Motors Corporation, Birmingham, M plement power lift and position control. Feb. 24.

Bolle, Léon, assignor of one-half to La Nationale S. A., Geneva, Switzerland. Pyrophoric lighter. 2,629,998, Mar. 3.

Bolle, Léon, assignor of one-half to La Nationale S. A., Geneva, Switzerland. Lighter. 2,641,915, June 16.

Boller, Charles R.: *See*—
Eggleston, Ira S., and Boller.

Boller, Dana, Burbank, Calif. Shirt and tie holder combination. 2,624,050, Jan. 6.

Boller, Henry A., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Choke valve control. 2,624,363, Jan. 6.

Boller, Henry A., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Two fuel carburetor. 2,652,237, Sept. 15.

Boller, Henry A., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Accelerating pump control for carburetors. 2,658,733, Nov. 10.

Boller, William D., Milford, Ohio, W. D. Berkley, Fort Wayne, Ind., W. Ernst, Dayton, Ohio, and E. W. Landmeier, assignors to The Wadsworth Electric Mfg. Co., Covington, Ky. Electric circuit breaker. 2,662,951, Dec. 15.

Bollhoefer, Dale M., assignor to Collins Radio Company, Cedar Rapids, Iowa. Momentary switch. 2,648,728, Aug. 11.

Bollhoefer, Franz W., Hammond, Ind. Elevating platform for typewriters. 2,624,535, Jan. 6.

Bolling, Robert, Lakewood, Ohio. Baker's oven. 2,626,341, Jan. 20.

Bollinger, Loren C.: *See*—
Woods, Harold A., and Bollinger.

Bollinger, Loren E., Columbus, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio-frequency energy transfer switch. 2,656,443, Oct. 20.

Bollinger, Waldon P.: *See*—
Ford, John R., and Bollinger.

Bollinger, Waldon P., Haddonfield, N. J., and H. Sohon, Havertown, Pa., assignors to Radio Corporation of America. Error signal control circuit. 2,631,279, Mar. 10.

Bollman, John H., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring circuit. 2,656,506, Oct. 20.

Bollman, Walter, Zurich, Switzerland. Device for delivering cards, especially railway tickets. 2,656,233, Oct. 20.

Bolognino, Charles S. and S. M., Dearborn, Mich. Toy device for teaching multiplication tables. 2,624,126, Jan. 6.

Bolognino, Secondo M.: *See*—
Bolognino, Charles S. and S. M.

Boisezian, Georges, Paris, France. Semiclosed cycle gas turbine plant. 2,651,174, Sept. 8.

Boltanzer, Matthew P., Willoughby, Ohio. Foldable necktie rack. 2,642,194, June 16.

Bolte, Frank B., Los Angeles, Calif., assignor to North American Aviation, Inc. Reinforced canopy structure. 2,637,076, May 5.

Bolton, Henry C., Kidderminster, and L. Rose, Whitefield, near Manchester, assignors to Courtaulds Limited, London, England. Traverse mechanism for rayon spinning machines. 2,633,693, Apr. 7.

Bolton, John W., & Sons, Inc., assignee: *See*—
Prevost, Bruno E.
Stuck, Harold D.

Bolton, Lester A., Jr.: *See*—
Rogers, Wayne C., and Bolton.

Bolton, Michael J., Pittsfield, Mass., assignor to General Electric Company. Solder for ceramics. 2,636,820, Apr. 28.

Bolton, Otto, Denver, Colo. Sausage perforating machine. 2,643,414, June 30.

Boltuch, Leon, Wallingford, Conn. Universal joint. 2,646,242, July 21.

Bomac Laboratories Inc., assignee: *See*—
Prescott, Thomas G.

Bombardier, Joseph A., Valcourt, Quebec, Canada. Tensioning device for tractors. 2,654,639, Oct. 6.

Bombardier, Joseph A., Valcourt, Quebec, Canada. Vulcanizing apparatus. 2,659,101, Nov. 17.

Bombarger, Glen E., Milwaukee, Wis. Collapsible fish box. 2,661,116, Dec. 1.

Bommelaer, Jean, Paris, assignor to Société Alsacienne de Constructions Mécaniques, Mulhouse, France. Adjusting device of the drive of engraved rollers in rotary machines for the printing of textiles and the like. 2,633,755, Apr. 7.

Bonadio, George A., Watertown, N. Y. Automatic distortion control. 2,634,339, Apr. 7.

Bonagura, Anthony, New Paltz, N. Y. Ring. 2,653,402, Sept. 29.

Bonander, Harold E., and P. A. Backman, Turlock, Calif. Irrigation valve. 2,646,076, July 21.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Uncoupling mechanism for toy railroad cars. 2,631,739, Mar. 17.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Current collecting means for toy vehicles. 2,636,087, Apr. 21.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Transformer. 2,641,743, June 9.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Variable voltage transformer. 2,652,500, Sept. 15.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy electric railroad. 2,661,852, Dec. 8.

Bonanno, Joseph L., Madison, and A. D. Gash, Jr., Irvington, N. J., assignors to The Lionel Corporation, New York, N. Y. Toy car loader. 2,658,602, Nov. 10.

Bonanno, Joseph L., Madison, and R. E. Beger, Jersey City, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy locomotive. 2,659,317, Nov. 17.

Bonar, Floyd, and C. D. Pears, Morgantown, W. Va., assignors to the Government of the United States as represented by the Secretary of the Interior. Method and device for visual observation of dense-phase suspensions. 2,650,562, Sept. 1.

Bonardi, Giusto F.: *See*—
Freedman, Samuel, and Bonardi.

Bond, Donald C., Crystal Lake, assignor to The Pure Oil Company, Chicago, Ill. Increasing productivity of siliceous geological formations. 2,644,165, Dec. 29.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Increasing permeability of sands in oil, gas, and injection wells by forming solids in the strata. 2,661,066, Dec. 1.

Bond, Donald C., Crystal Lake, assignor to The Pure Oil Company, Chicago, Ill. Acidizing wells. 2,664,398, Dec. 29.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Gel modifier for oils and preparing it. 2,643,228, June 23.

Bond, Donald C., Crystal Lake, and R. H. Lorenz, Elmhurst, assignors to The Pure Oil Company, Chicago, Ill. Acidizing siliceous earth formations. 2,652,360, Sept. 15.

Bond, Donald S.: *See*—
Hanseli, Clarence W., and Bond.

Bond, Donald S., Princeton, N. J., assignor to Radio Corporation of America. Frequency control system. 2,644,138, June 30.

Bond, Donald S., and D. G. Moore, Princeton, N. J., assignors to Radio Corporation of America. Electron beam controlling system. 2,634,325, Apr. 7.

Bond, Fred C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pocketed hammer rotor for pulverizing machines. 2,637,502, May 5.

Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Refining hydrocarbon oils. 2,642,382, June 16.

Bond, John: *See*—
Sachs, Carrol C., and Bond.

Bond, Orson H.: *See*—
Wright, William E., and Bond.

Bond, Walter L., New Providence, and M. Sparks and G. K. Teal, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor translating device. 2,651,831, Sept. 15.

Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Titanium electrode. 2,629,803, Feb. 24.

Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Electron beam discharge device. 2,644,906, July 7.

Bondon, Lewis A., Arlington, N. J. Conductor insulated with fused multiple layers. 2,631,186, Mar. 10.

Bondurant, Kenneth E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Terminal. 2,658,130, Nov. 3.

Bondy, Michael F.: *See*—
Bjork, Carold F., and Bondy.

Bondy, Wilhelm, Fribourg, Switzerland. Waterproof watchcase. 2,656,674, Oct. 27.

Bone, Arnold R., Needham, assignor to Dennison Manufacturing Company, Framingham, Mass. Machine for printing tickets, tags, cards, and the like. 2,627,804, Feb. 10.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Speed responsive device. 2,628,294, Feb. 10.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway braking apparatus. 2,630,884, Mar. 10.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Successively operated speeder springs for speed governors. 2,631,025, Mar. 10.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway traffic controlling apparatus. 2,631,228, Mar. 10.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Railway switch operating apparatus. 2,641,691, June 9.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Circuit controller contact assembly. 2,645,686, July 14.

Bone, Herbert L., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Point detector latching mechanism. 2,656,457, Oct. 20.

Bone Tool & Gauge Company, assignee: *See*—
Roberts, William C.

Bonebrake, Gay M., assignor to Wm. Wrigley, Jr., Company, Chicago, Ill. Severing mechanism. 2,643,619, June 30.

Bonelli Cattle Company, assignee: *See*—
Webster, Vey V.

Bonforte, John, Colorado Springs, Colo. Ventilating ridge roll for roofs. 2,625,094, Jan. 13.

Bonham, Claude F., Ravenna, Ohio. Prostate gland massaging device. 2,657,687, Nov. 3.

Bonilla, Charles F., New York, N. Y., assignor to Phillips Petroleum Company. High pressure and temperature reaction chamber. 2,664,348, Dec. 29.

Bonin, Pierre, and X. Randria, Paris, France, assignors to General Electric Company. Body support and cover clamp for vacuum cleaners. 2,653,342, Sept. 29.

Boninsegni, Renato, Zurich, assignor to Atellers de Construction Oerlikon, Zurich-Oerlikon, Switzerland. Gas turbine combustion chamber. 2,654,996, Oct. 13.

Bonkowski, Teofil L.: *See*—
Solloway, Harry, and Bonkowski.

Bonkowski, Teofil L., Los Angeles, Calif. Demountable brake lining. 2,631,697, Mar. 17.

Bonmartini, Giovanni, Rome, Italy, assignor to "EST"-Etablissement Sciences Techniques, Vaduz, Liechtenstein. Aircraft multiwheel continuous tread landing gear. 2,645,437, July 14.

Bonmartini, Giovanni, Rome, Italy, assignor to "E S T" Etablissements Sciences Techniques, Vaduz, Principality of Lieclitenstein. Endless track composed of rubber bonded to flexible metal bands. 2,661,249, Dec. 1.

Bonmartini, Giovanni, Rome, Italy, assignor to "E S T" Etablissement Sciences Techniques, Vaduz, Liechtenstein. Pneumatic endless track for vehicles and the like. 2,661,250, Dec. 1.

Bonmartini, Giovanni, Rome, Italy, assignor to "E S T" Etablissement Sciences Techniques, Vaduz, Liechtenstein. Track device for vehicles and the like. 2,661,251, Dec. 1.

Bonn, Theodore H., Philadelphia, and D. C. Wendell, Jr., Bryn Mawr, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Electrodeposition of a magnetic coating. 2,644,787, July 7.

Bonnaud, Henri, Viroflay, France, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Heat exchanger. 2,643,100, June 23.

Bonnel, Henri-Albert, Le Neubourg, France. Plow. 2,655,850, Oct. 20.

Bonner, Edwin K., Jr., Torresdale, and J. J. Vozzi, assignors to S. L. Allen & Co., Inc., Philadelphia, Pa. Mowing machine having vibration neutralizing means. 2,651,906, Sept. 15.

Bonner, Zora D., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Catalytic process and apparatus. 2,635,989, Apr. 21.

Bonnette, Leroy E.: *See*—
Born, Ellis H., and Bonnette.

Bonniksen, Cyril W., Oxford, England. Manufacture of alginates. 2,653,106, Sept. 22.

Bonnington, James A., Washington, D. C., and H. O. Warlick, Jr., Arlington, Va. Marine ice plant. 2,630,091, Mar. 3.

Bono, Laurence, assignee: *See*—
Haase, Kurt O.

Bonomi, Ottorino: *See*—
Corradini, Robert E., Lynch, Bonomi, and Engel.

Bonomo, Michael F.: *See*—
Isaacs, Jacob G., and Bonomo.

Bonotto, Michele, Princeton, N. J. Treatment of gossypol in solvent-extracted cottonseed meal. 2,631,099, Mar. 10.

Bonsall, William, Burnley, assignor to Joseph Lucas Limited, Birmingham, England. Sheet metal combustion chamber, flame tube, and the like. 2,658,339, Nov. 10.

Bontempi, Albert, assignee: *See*—
Streeter, Hale B.

Bonzagni, Francis A., Winthrop, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Concentrating solutions. 2,645,625, July 14.

Book Machinery Company Limited, assignee: *See*—
French, Lionel J. B. R.

Booker, Henry G.: *See*—
Lees, Roland J., Booker, and Westcott.

Booker, John D., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Recovery of pure paraxylene. 2,651,665, Sept. 8.

Boon, William R., and T. Leigh, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Pyrimidine derivatives. 2,628,229, Feb. 10.

Boon, William R., N. Greenhaigh, E. London, and C. H. Vasey, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of 4,6-diketo hexahydropyrimidines. 2,637,730, May 5.

Boone, Francis M., assignee: *See*—
Moore, Henry S.

Boone, Harold B., Arcadia, Kans. Toy derrick. 2,630,925, Mar. 10.

Boone, Lloyd W., San Antonio, Tex. Commode top cover holder. 2,659,091, Nov. 17.

Boone, Philip, Winchester, Mass. Ornamental object having polarizing and birefringent layers. 2,663,171, Dec. 22.

Boonshaft, Julius C., Pensauken, N. J., assignor to Precision Thermometer and Instrument Company. Liquid density measuring equipment. 2,664,011, Dec. 29.

Boonton Radio Corporation, assignee: *See*—
Crosby, Murray G.

Boor, Ladislav: *See*—
Zaroff, William J., and Boor.

Booser, Earl R., Lynn, and D. F. Wilcock, M... Mass., assignors to General Electric Compan... for preventing oil creepage. 2,657,943, Nov...

Boosey, Lawrence N., Talladega, Ala., assignor ... Van Helms Company. Drainage fitting. ... Jan. 27.

Boosman, Herman B. R., London, England, a... Hartford National Bank and Trust Company, ... Conn., as trustee. Generation of electric ... 2,662,182, Dec. 8.

Boot, Henry A. H.: *See*—
Randall, John T., and Boot.

Booth, Earl C., Columbus, Ind., assignor to Ar... tries, Inc. Joint structure for metal tubing. ... July 14.

Booth, Frank, assignor to Oldham & Son Limite... near Manchester, England. Electrical storag... 2,647,157, July 28.

Booth, Frank, Denton, near Manchester, Engla... ing acid resisting microporous material fo... battery separators. 2,647,158, July 28.

Booth, George M.: *See*—
Patch, Arthur H., and Booth.

Booth, George M., Westfield, assignor to Walla... nan Co., Inc., Belleville, N. J., Dissolving ... 2,663,553, Dec. 22.

Booth, Harry T., assignor to United Aircraft ... Inc., Dayton, Ohio. Fluid system damag... 2,641,277, June 9.

Booth, Harry T., assignor to United Aircraft ... Inc., Dayton, Ohio. Automatic cutoff device. ... Oct. 27.

Booth, Henry, Bronxville, assignor to The He... Methods Corporation, New York, N. Y. Proj... balancing garments. 2,624,943, Jan. 13.

Booth, Henry, Methods Corporation, The, assign... Booth, Henry.

Booth, James H., Detroit, Mich. Douche ... 2,626,605, Jan. 27.

Booth, James H., Township of Venice, Shiawass... Mich., assignor to Thompson Products, Inc., ... Ohio. Front wheel suspension. 2,631,044, ...

Booth, James H., Venice Township, Shiawasse... Mich., assignor to Thompson Products, Inc., ... Ohio. Steering arm and ball joint assembly. ... June 2.

Booth, James H., Venice, Mich., assignor to ... Products, Inc., Cleveland, Ohio. Joint ... 2,645,510, July 14.

Booth, James H., Venice Township, Shiawasse... and B. E. Ricks, Ferndale, Mich., assignors ... son Products, Inc., Cleveland, Ohio. Link ... 2,650,119, Aug. 25.

Booth, James H., Venice Township, Shiawasse... and A. W. Gair, Fraser, Mich., assignors to ... Products, Inc., Cleveland, Ohio. Steering ... 2,652,265, Sept. 15.

Booth, James H., Venice, Mich., assignor to ... Products, Inc., Cleveland, Ohio. Wheel cha... caster adjusting mechanism. 2,664,297, Dec. ...

Booth, James H., Corunna, and A. W. Gair, Fra... assignors to Thompson Products, Inc., Clevel... Steering knuckle. 2,637,568, May 5.

Booth, James H., Corunna, and E. C. Warne... Mich., assignors to Thompson Products, Inc., ... Ohio. Steering knuckle. 2,652,264, Sept. 1...

Booth, Robert B.: *See*—
Allen, Charles F., Fitzsimmons, and Booth
Kurtz, Kerwin K., and Booth.

Booth, Robert B., Springdale, Conn., and J... Tucson, Ariz., assignors to American Cyana... pany, New York, N. Y. Flotation of ores. ... Feb. 17.

Booth, Robert B., Springdale, and C. E. Ligh... Heights, Conn., assignors to American Cyan... pany, New York, N. Y. Esters of alkylxant... acid. 2,628,971, Feb. 17.

Booth, Seth W.: *See*—
Park, Robert H., Weller, Russell, and Booth

Booth, Vilas E., and H. B. Bergeson, Wilmir... C. B. Potts, Coal City, Ill. Indoor clothesline ... tion. 2,628,723, Feb. 17.

Booth, William T., Jr.: *See*—
Carnes, Joseph J., and Booth.

Boothby, Clinton R.: *See*—
Winslow, John C., and Boothby.

Boothby, Lawrence W., Alexandria, Va., and F... Washington, D. C. Frequency determinir... 2,636,085, Apr. 21.

Boothby, Otis L., Brooklyn, N. Y., and D. H. W... West Orange, N. J., assignors to Bell Telep... oratories, Incorporated, New York, N. Y. ... soft magnetic materials. 2,631,118, Mar. 10

Boothe, James H., Montvale, N. J., and S. ... Nanuet, assignors to American Cyanamid Com... York, N. Y. Phthalide compounds and thei... tion. 2,650,234, Aug. 25.

Boothe, James H., Montvale, N. J., and J. P. Petisi, Tappan, assignors to American Cyanamid Company, New York, N. Y. New phthalide compounds and their preparation. 2,650,235, Aug. 25.

Boothe, Litta C., Santa Maria, Calif. Surgical appliance. 2,624,339, Jan. 6.

Boothroyd, Harold W., Beverly, and A. J. Zink, Jr., Andover, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Waxed thread sewing machine. 2,652,794, Sept. 22.

Booton, Roy, Dunbar, and G. C. Bower, Sissonville, W. Va., assignors to Godfrey L. Cabot, Inc., Boston, Mass. Ditch digging attachment for vehicles. 2,645,043, July 14.

Boots Pure Drug Company Limited, assignee: *See*—
Short, Wallace F., Peak, and Watkins.

Bopp, Edward O.: *See*—
Bopp, Frederick W. and E. O., and Taylor.

Bopp, Frederick W. and E. O., Kansas City, Mo., and E. F. Taylor, Indianapolis, Ind. Vertical window shutter. 2,660,237, Nov. 24.

Borax Consolidated, Limited, assignee: *See*—
Connell, George A.
Taylor, Donald S.
Taylor, Donald S., and Connell.

Borberg, Willy, Astoria, N. Y., assignor to International Projector Corporation, Bloomfield, N. J. Motion-picture machine shutter adjustment. 2,630,738, Mar. 10.

Borberg, Willy, North White Plains, N. Y., assignor to International Projector Corporation, Bloomfield, N. J. Winding take-up mechanism. 2,627,381, Feb. 3.

Borberg, Willy, North White Plains, N. Y. assignor to General Precision Laboratory Incorporated. Motion-picture projector, including shutter structure for preheating film. 2,660,917, Dec. 1.

Borchardt, Theodore J.: *See*—
Pollard, Ernest B., and Borchardt.

Borcherdt, Gerald T.: *See*—
Webb, Irving D., and Borcherdt.

Borchers, Harry, assignee: *See*—
Borchers, John F.

Borchers, John F., assignor of one-half to H. Borchers, Henderson, Nebr. Dump body attachment for grain conveyers. 2,628,729, Feb. 17.

Borcherts, Herman F., Allison Park, Pa. Carburetor for internal-combustion engines. 2,655,356, Oct. 13.

Borchin, George, and E. A. Smith, Mokelumne Hill, Calif. Power driven wheelbarrow. 2,638,172, May 12.

Borcovec, Werner, Minusio, near Locarno, assignor to A. Schadrack, Riva S. Vitale, Tessin, Switzerland. Massage appliance with heating device. 2,650,587, Sept. 1.

Bord, Max, Yonkers, N. Y. Pouring spout for cartons. 2,634,897, Apr. 14.

Borda, Carlos J., Bogota, Columbia. Adjustable key. 2,655,029, Oct. 13.

Borda, Romualdo, Quebrada Honda, Venezuela. Syringe. 2,650,592, Sept. 1.

Borde, Josef, Zurich, Switzerland. Burner structure. 2,637,378, May 5.

Borden Company, The, assignee: *See*—
Clark, Laurence E., Jr., and MacLagan.
Eldredge, Elmer E.
Howard, Hartley W., and Muller.
Miollis, Raymond.
Vogelsang, George K.

Borden, George C., Jr., Milford, N. J., assignor to Riegel Paper Corporation, New York, N. Y. Producing supercalendered plasticized glassine paper. 2,636,833, Apr. 28.

Borden, Joseph H., assignor to Haughton Elevator Company, Toledo, Ohio. Elevator door operating mechanism. 2,637,549, May 5.

Borden, Joseph H., and W. A. Nikazy, assignors to Haughton Elevator Company, Toledo, Ohio. Automatic elevator control. 2,652,903, Sept. 22.

Borden, Leland A., Riverside, and J. C. Dowelson, Cucamonga, Calif. Leadin bushing. 2,647,942, Aug. 4.

Borden Mills, Incorporated, assignee: *See*—
McGhee, Charles R.

Border, Lawson E.: *See*—
Trainer, Richard P., and Border.

Border, Lester A., Pendleton, Oreg. Coil spring winder. 2,649,130, Aug. 18.

Borders, Alvin M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Compositions comprising blends of rubbery and resinous butadiene-styrene copolymers. 2,638,462, May 12.

Borders, Ellis C., assignor of fifty per cent to A. L. Parker, Milledgeville, Ga. Policeman's club and cartridge firing mechanism. 2,634,535, Apr. 14.

Bordewieck, Robert W., Southboro, assignor to Moore Electronic Laboratories, Incorporated, Worcester, Mass. Bridge amplifier circuit. 2,637,786, May 5.

Bordewieck, Robert W., Southboro, assignor to Moore Electronic Laboratories, Incorporated, Worcester, Mass. Automatic electronic error correction circuit. 2,650,332, Aug. 25.

Bordt, Frederick J., Averill Park, N. Y., and A. J. Shine, Xenia, Ohio, assignors to the United States of America as represented by the Secretary of the Army. Thermoelectric space heater. 2,647,505, Aug. 4.

Bordwell, Frederick G.: *See*—
McKellin, Wilbur H., Bordwell, and Fishkill.

Borel, Edouard V.: *See*—
Peyches, Ivan, and Borel.

Borel, Gaston, Port-de-Boue, France. Slot cutting machine with adjustable stroke. 2,663,337, Dec. 22.

Borel, Joseph A., assignor to Societe Schneider and Cie, Paris, France. Automatic regulator for compressors. 2,657,850, Nov. 3.

Borel, Pierre C., and M. R. Mauge, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation New York, N. Y. Automatic switching system. 2,651,681, Sept. 8.

Borell, George L., Minneapolis, and M. I. Nystuen, assignors to Economics Laboratory, Inc., St. Paul, Minn. Temperature and concentration responsive control system. 2,632,144, Mar. 17.

Boren, Karl G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration apparatus. 2,635,438, Apr. 21.

Borer, Herbert W., assignor to The Oilgear Company, Milwaukee, Wis. Leakproof valve. 2,689,751, Apr. 14.

Borer, Walter M., Santa Monica, Calif., assignor to North American Aviation, Inc. Apparatus for forming electrical strain gauges. 2,629,409, Feb. 24.

Bores, Kazmer J., Cleveland, Ohio. Apparatus for dust prevention. 2,648,241, Aug. 11.

Boretti, Napoleon P., assignor to General Motors Corporation, Detroit, Mich. Lubricator for pneumatic tools. 2,638,182, May 12.

Borg, George W., Corporation, The, assignee: *See*—
Foote, Harold G., and Moreland.
Gibbs, Thomas B., Dinerstein, and Gilman.
Johnston, Samuel A., and Wickham.
Laing, Gordon F.
Lee, William M.
Olson, Peter.
Richardson, Rodney G., and Fink.
Schmidt, Arnold W., and Malik.
Schweigler, Fred R.
Van Alen, De Witt T.
Wickham, Parker B.

Borg, Paul E.: *See*—
Iddings, Charles D., Bechtold, and Borg.

Borg-Warner Corporation, assignee: *See*—
Anderson, Edmund B.
Baney, Harry N., Sientz, and Kirkpatrick.
Carlson, Raymond A.
Carnagua, Harold E., and Kelbel.
Chapin, William R.
Day, George W.
Flinn, George E.
Frey, Edward J.
Gamble, David E.
Garman, Lawrence R.
Gillespie, Daniel C.
Gommel, Dewey E.
Hardy, Clarence M.
Harrison, William V.
Hettinger, Sidney V., Jr.
Hubacker, Earl F.
Ilyin, Boris P.
Jandasek, Vladimir J.
Kanuch, John A.
Kelbel, Donald W.
Koehlinger, William T.
Koppel, Ernst R.
Koppel, Ernst R., and Walters.
Langdon, Eric R.
Lauck, John A.
Lauck, John A., and Haberland.
Minshall, Robert J.
Minshall, Robert J., and Rockwell.
Nutt, Harold.
Peters, Robert J., Guenther, and Pollard.
Polomski, John B., Jr.
Orr, Palmer, and Armantrout.
Orr, Palmer, and Swift.
Polomski, John B., Jr.
Robertson, Fred O.
Schanzlin, Ernest H.
Schanzlin, Ernest H., and Oster.
Seybold, Frederick W.
Stubau, Carl J.
Swift, Clifford L.
Vonk, Cornelius G.
Warrick, Leland K., and La Flame.
Wasielewski, Eugene W.
Wolfe, Charles V.
Youngren, Harold J., and Hettinger.
Youngren, Harold T., and Hettinger.
Zeidler, Reinhold C.
Zeidler, Reinhold C., and Barnes.

Borgeaud, Gaston, and J. Waldvogel, assignors to Schweizerische Lokomotiv und Maschinenfabrik, Winterthur, Switzerland. Rail vehicle with plural-axle. 2,649,743, Aug. 25.

Borgeaud, Gaston, and J. Waldvogel, assignors to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Twin-bolster cradle on bogies for railway rolling stock. 2,660,960, Dec. 1.

Borgelt, Victor H., Wisner, Nebr. Latch mechanism for scoops. 2,640,614, June 2.

Borgerd, William F.: *See*—
Tipton, Phillip R., and Borgerd.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Means for securing cooling units in window boxes. 2,638,755, May 19.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Condensate removal means. 2,638,756, May 19.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Ceiling mounted air-conditioning apparatus. 2,638,757, May 19.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Wall mounted air conditioning unit. 2,644,321, July 7.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Control system for refrigerant condensing units. 2,651,182, Sept. 8.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Overload limiting device. 2,656,685, Oct. 27.

Borgerd, William F., Evansville, Ind., assignor to International Harvester Company. Outside mounted air conditioning unit. 2,660,867, Dec. 1.

Borges, Frank R., Jr., Fall River, Mass., assignor to American Viscose Corporation, Wilmington, Del. Self-threading, self-cleaning tension device. 2,646,941, July 28.

Borgeson, Paul W., Little Falls, N. J., assignor to Raytheon Manufacturing Company, Newton, Mass. Pulse interval time division system. 2,643,330, June 23.

Borgna, Cesare G., Pinerolo, Italy. Articulated transmission belt for V-groove pulleys. 2,643,550, June 30.

Boris, Matthew J., East Chicago, Ind., and N. C. Ludwig, Chicago, Ill., assignors to Universal Atlas Cement Company. Cement composition with additive to reduce water loss from a slurry thereof. 2,648,645, Aug. 11.

Börjeson, Olov B.: *See*—
Skardal, Karl A., and Börjeson.

Bork, William F., San Diego, Calif. Detachable can spout. 2,627,367, Feb. 3.

Borkenhagen, Louise K., assignor to Armour and Company, Chicago, Ill. Preparing amino acids. 2,657,232, Oct. 27.

Borkoski, Leon P., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Automatic vacuum cleaner. 2,654,439, Oct. 6.

Borkoski, Leon P., and R. C. Lampe, Stamford, Conn., assignors to Electrolux Corporation, New York, N. Y. Vacuum cleaner with bag ejector. 2,642,151, June 16.

Borkowski, Casimer J., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Improved window for alpha particle counters. 2,638,560, May 12.

Borman, Philip K., Chicago, Ill., assignor to General Electric Company. Stopper construction for sink strainers and the like. 2,662,230, Dec. 15.

Born, Ellis H.: *See*—
Adams, Cecil E., and Born.

Born, Ellis H., Columbus, and L. E. Bonnette, Delaware, assignors to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,642,809, June 23.

Born, Paul L., Wilmette, Ill., assignor to The Gas Machinery Company, Cleveland, Ohio. Oil gas process and apparatus. 2,663,625, Dec. 22.

Born, Paul L., Wilmette, and D. V. Meiller, Maywood, Ill. Gas shutoff valve. 2,631,604, Mar. 17.

Born, William F.: *See*—
Dyer, Lloyd W., and Born.

Born, William F., and J. C. Langaunet, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus duct and plug-in unit. 2,641,636, June 9.

Bornemann, William: *See*—
Tuttle, Fordyce E., and Bornemann.

Bornemann, William, Rochester, N. Y., assignor, by mesne assignments, to Polaroid Corporation, Cambridge, Mass. Apparatus and process for treating light-sensitive materials with liquid. 2,652,759, Sept. 22.

Börner, Christian, Obernburg (Main), assignor to Vereinigte Glanzstoff-Fabriken A. G., Wuppertal-Elberfeld, Germany. Tooth arrangement for screw type comminuting devices. 2,656,122, Oct. 20.

Borngesser, Otto J., Baltimore, Md., R. B. Bradshaw, Philadelphia, and C. C. Smith, Warrington, Pa., assignors to Kaiser Metal Products, Inc. Dishwashing apparatus. 2,647,528, Aug. 4.

Bornmann, Adelaide: *See*—
O'Brien, George E., Bornmann, and Smith.

Borns, Millard C., Muskegon, Mich. Foldable table and bench combination. 2,642,123, June 16.

Bornzin, James H., Memphis, Tenn., assignor to International Harvester Company. Clutch trip mechanism for hay balers. 2,634,840, Apr. 14.

Borodie, Michael N., Oakburn, Manitoba, Canada. Tire valve guard. 2,631,065, Mar. 10.

Boroughs, Frank S., Elmhurst, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Hand tacker. 2,657,384, Nov. 3.

Boroughs, Frank S., Elmhurst, assignor to Arrow Fastener Co., Inc. Brooklyn, N. Y. Hand type staple tacker. 2,659,083, Nov. 17.

Boroughs, Frank S., New York, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Table type stapler. 2,625,681, Jan. 20.

Boroughs, Frank S., New York, assignor to Arrow Fastener Co., Inc., Brooklyn, N. Y. Plier type stapler. 2,633,571, Apr. 7.

Borrelli, Alfonso, Fresno, Calif. Handling apparatus for spaghetti and the like. 2,649,055, Aug. 18.

Borrows, Edward T.: *See*—
Haward, Robert N., and Borrows.

Borrup, Frederik J., Stratford, Conn. Automatic lock. 2,627,435, Feb. 3.

Borsini, Frederick H., assignor to W. H. McGhee, Dayton, Ohio. Fountain toothbrush. 2,640,215, June 2.

Borst, Douglas R., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control valve device. 2,637,341, May 5.

Borst, Julius R., East Moline, assignor to C & J Industries, Moline, Ill. Garbage receptacle. 2,648,495, Aug. 11.

Borst, Robert O.: *See*—
Wells, Olga V., Borst, and Stapp.

Borst, Walter J., assignor to Deere & Company, Moline, Ill. Plowshare. 2,625,093, Jan. 13.

Borsum, Adolph W., U. S. Navy, and W. W. Brockway, West Los Angeles, Calif. Communication system. 2,652,556, Sept. 15.

Bortel, Vance W., Toledo, Ohio. Stepladder and base therefor. 2,634,037, Apr. 7.

Borth, Paul F., Park Forest, Ill., assignor to R. R. Donnelley & Sons Company. Dot comparator. 2,657,611, Nov. 3.

Bortner, David C., York, Pa., assignor to Read Standard Corporation. Endless conveyer. 2,643,760, June 30.

Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Mono-N-tertiary-alkylmelamines. 2,628,234, Feb. 10.

Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparing 1,8-diamino-p-menthane. 2,632,022, Mar. 17.

Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparing 2,5-diamino-2,5-dimethylhexane. 2,632,023, Mar. 17.

Borton, Boyd T., Riviera Beach, Fla. Toilet paper roll holder. 2,627,382, Feb. 3.

Borton, Robert O., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Manufacture of latex foam sponge. 2,640,087, May 26.

Borucki, Eugene J., assignor to Container Corporation of America, Chicago, Ill. Display carton. 2,654,470, Oct. 6.

Borup, Benjamin F., assignor of one-half to B. F. Borup, Huntington Park, Calif. Fishhook dislodging and extracting instrument. 2,662,331, Dec. 15.

Borup, Bob F., assignee: *See*—
Borup, Benjamin F.

Borut, Abraham, assignee: *See*—
Seibel, Peter E.

Bosch, Carl, Arlington, assignor to Chatham Electronics Corporation, Newark, N. J. Measuring instrument with electrostatic return torque. 2,661,456, Dec. 1.

Bosch, Robert, G. m. b. H., assignee: *See*—
Callsen, Albert, and Grözinger.
Vanni, Pier G.

Boschi, Antonio, assignor to Societa Applicazioni Gomma Antivibranti, Milan, Italy. Resilient wheel. 2,643,153, June 23.

Boschi, Antonio, assignor to Pirelli Societa per Azioni, Milan, Italy. Resilient wheel for vehicles rolling on rails. 2,646,308, July 21.

Boschin, Walter E., assignor to Glass Containers, Inc., San Francisco, Calif. Container adapted to be vacuum sealed. 2,629,509, Feb. 24.

Bosdet, Enrique N., Mexico City, Mexico. Apparatus for economizing fuel and increasing power output of internal-combustion engines. 2,659,667, Nov. 17.

Bosley, Frank J., Detroit, Mich. Brush wiper. 2,645,377, July 14.

Bosma, Alfred S., New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill. Internal-combustion engine construction. 2,630,881, Mar. 10.

Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Heat transfer corrector for electronic molds. 2,626,428, Jan. 27.

Boss, Friedhelm: *See*—
Keinath, Johannes, Kuhn, Boss, and Leitz.

Boss, Maurice, Jr., and O. Boss, Grand Rapids, Mich. Precast reinforced masonry wall. 2,639,606, May 26.

Boss, Orrie: *See*—
Boss, Maurice, Jr., and O. Boss.

Bossard, François J.: *See*—
Brandenberger, Jacques E., and Bossard.

Bossard, Le Roy T., Tulsa, Okla. Liquid or gas self cleaning filter and strainer. 2,663,429, Dec. 22.

Bossard, Werner, Riehen, near Basel, and O. Bitterlin, assignors to J. R. Geigy A. G., Basel, Switzerland. Trisazo dyestuffs. 2,659,721, Nov. 17.

Bosshard, Alfred: *See*—
Thompson, Robert D., Alderfer, and Bosshard.

Bostitch, Inc., assignee: *See*—
Dell, Russell H.
Maynard, Arthur H.

Boston, Floyd B., St. Louis, Mo. Automatic toilet seat lifter. 2,636,185, Apr. 28.

Boston, Frank E., assignor to The Pyramid Rubber Company, Ravenna, Ohio. Nurser. 2,624,485, Jan. 6.

Boston Herald-Traveler Corporation, assignee: *See*—
Tranter, Reginald F. W.

Boston Machine Works Company, assignee: *See*—
Osgood, Walter P.

Boston Woven Hose and Rubber Company, assignee: *See*—
Apel, George E., and Collins.
Collins, Don F., Apel, and Fuller.
Knowland, Thomas M.
Marcy, Grosvenor D.
Bostrom-Brady Manufacturing Company, assignee: *See*—
Vickery, Robert K.
Bostrom, Harold W., F. A. Grabarczyk, and F. E. Svanoe, assignors to Bostrom Manufacturing Company, Milwaukee, Wis. Torsion spring supported pedestal seat mounting. 2,641,309, June 9.
Bostrom Manufacturing Company, assignee: *See*—
Bostrom, Harold W., Grabarczyk, and Svanoe.
Bostwick, Charles O., Stanton, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Organic compounds of titanium. 2,643,262, June 23.
Bostwick, Henry C., Coventry Township, Summit County, assignor to The Akron Standard Mold Company, Akron, Ohio. Tire building apparatus. 2,625,198, Jan. 13.
Bostwick, Lee G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuned vibrating reed selective circuit. 2,630,482, Mar. 3.
Bostwick, Wallace L., Columbus, assignor, by mesne assignments, to The United States Playing Card Company, Cincinnati, Ohio, and National Publishing Company, Philadelphia, Pa. Machine for decorating sheet edges. 2,645,871, July 21.
Boswau, Hans P., Dundee, Ill. Impulse-responsive stepping device actuated by magnetic torque. 2,640,895, June 2.
Boswau, Hans P., Dundee, and A. C. Reid, Genoa, assignors to Leich Electric Company, Genoa, Ill. Telephone set. 2,654,811, Oct. 6.
Boswell, John R., assignor to The Bark-Off Corporation, Mobile, Ala. Portable log debarker for sawmills. 2,652,867, Sept. 22.
Bosworth, Phillips N., Becket, Mass., assignor to General Electric Company. High-voltage pothead with stress distributing means. 2,651,670, Sept. 8.
Bosworth, Phillips N., Becket, Mass., assignor to General Electric Company. Stuffing gland assembly for fluid filled cables. 2,652,443, Sept. 15.
Boterweg, Dirk, S. Breimer, and A. G. Robeer, Hilversum, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tunable high-frequency push-pull power amplifier. 2,662,127, Dec. 8.
Bothe, Edward F., Union City, N. J. Flush valve. 2,627,873, Feb. 10.
Botimer, Lloyd, Vassar, Mich. Beet topper. 2,662,361, Dec. 15.
Botley, Richard M., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Can stacker and unstacker. 2,659,495, Nov. 17.
Botley, Richard M., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Can stacker and unstacker. 2,659,496, Nov. 17.
Botley, Richard M., and G. Gulgas, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Apparatus for dicing decored cylinders of pineapple. 2,652,871, Sept. 22.
Botnick, Irlin, assignor to Snow-Master, Inc., Cleveland, Ohio. Antiskid cross chain. 2,664,134, Dec. 29.
Bott, Perry J., Little Rock, Ark., assignor to James R. Kearney Corporation, St. Louis, Mo. Live line stick with rain shield. 2,643,281, June 23.
Bottalico, Angela M.: *See*—
Rosin, Seymour, and Bottalico.
Bottaro, Giacomo, Genoa, Italy. Countercurrent extraction apparatus and process. 2,638,409, May 12.
Böttcher, Paul, Hamburg-Grossflottbek, Germany. Differential gear for motor-driven vehicles. 2,627,190, Feb. 3.
Böttcher, Paul, Hamburg-Grossflottbek, Germany. Differential gear for motor-driven vehicles. 2,655,055, Oct. 13.
Bottemiller, Merton M.: *See*—
Christie, Donald R., and Bottemiller.
Bottenhorn, Hermann A., Flushing, assignor to Hydropress, Incorporated, New York, N. Y. Material handling apparatus. 2,664,215, Dec. 29.
Böttum, Edward W., assignor to Skuttle Manufacturing Company, Detroit, Mich. Flush type humidifier. 2,646,061, July 21.
Bottum, Edward W., assignor to Skuttle Manufacturing Company, Detroit, Mich. Humidifier boiler. 2,651,293, Sept. 8.
Bouch, Frank, Shippenville, Pa. Artificial stone wall facing. 2,643,539, June 30.
Boucher, Frank G., Tulsa, Okla., assignor to Standard Oil Development Company. Retractable electrode for well casing measurements. 2,632,795, Mar. 24.
Boucher, Frank G., Tulsa, Okla., assignor to Standard Oil Development Company. Oil well orientation device. 2,632,959, Mar. 31.
Boucher, Frank G., Tulsa, Okla., assignor to Standard Oil Development Company. Well logging method and apparatus. 2,640,271, June 2.
Boucher, Frank G., Tulsa, Okla., assignor to Standard Oil Development Company. Oriented dip and strike indicator for boreholes. 2,640,275, June 2.
Boudreau, Charles, Branby, Quebec, Canada. Belt fastener. 2,641,812, June 16.
Bouffart, Maurice, Brussels, Belgium. Apparatus for cooling combustion chambers of movable power plants with an oxidizing agent. 2,641,904, June 16.
Bouget, Yves A., West Orange, and C. E. Magnuson, Hasbrouck Heights, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Locking type clutch. 2,626,821, Jan. 27.
Boughton, Earl, Canton, Ohio. Hollow metal door construction. 2,664,181, Dec. 29.
Boulicault, Marcel, St. Louis, Mo. Teeth cleaning unit. 2,656,843, Oct. 27.
Boulware, James E., Attleboro Falls, and W. H. Cannard, Attleboro, Mass., assignors to The Gummed Products Company, Troy, Ohio. Stay tape. 2,636,835, Apr. 28.
Bour, Robert C., assignor to National Cylinder Gas Company, Chicago, Ill. Removing acetylene from gaseous mixtures. 2,642,956, June 23.
Bourassa, Alphonsine B., assignee: *See*—
Bourassa, Joseph W.
Bourassa, Joseph W., Greene, Maine, assignor, by mesne assignments, to himself and A. B. Bourassa. Bobbin. 2,652,213, Sept. 15.
Bourcart, Emile A., New York, N. Y. Compartmented container. 2,663,450, Dec. 22.
Bourdon, Pierre M., assignor to Pulseux; Boulanger et Cie, trading under the name "Manufacture de c/c Michelin," Paris, France. Wheel for rail vehicles. 2,641,498, June 9.
Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Pulseux, Boulanger & Cie), Clermont-Ferrand, France. Shock absorber for railway draft riggings. 2,650,721, Sept. 1.
Bourg, Alex, Littleton, Colo. Wheel supporting spindle for rotating cutting reel type mowers. 2,638,729, May 19.
Bourgonnier, Claude, M. Jouguet, and A. Bunodiere, Fiers, France, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Capacitative potentiometer comprising at least two series-connected capacities. 2,659,039, Nov. 10.
Bourne, Gordon F., Oakland, and W. E. Kennedy, Hayward, Calif.; said Bourne assignor of one-third to F. P. Adams and one-third to R. H. Eckhoff, Piedmont, Calif. Reel. 2,643,073, June 23.
Bourne Mills, assignee: *See*—
Wheweel, Robert.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Muffler with plural passages. 2,624,418, Jan. 6.
Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Silencer with plural expansion chambers and outlet conduits. 2,644,542, July 7.
Bourne, Roland B., West Hartford, and J. P. Tyskewicz, assignors to The Maxim Silencer Company, Hartford, Conn. Silencer with low back pressure. 2,660,257, Nov. 24.
Bourne, Roland B., West Hartford, and J. P. Tyskewicz, assignors to The Maxim Silencer Company, Hartford, Conn. Baffle type muffler with a plurality of outlet conduits. 2,660,258, Nov. 24.
Bourne, William G., Acton, London, assignor to Rotax Limited, London, England. Electrical switching apparatus. 2,655,568, Oct. 13.
Bourne, William G., Acton, London, assignor to Rotax Limited, London, England. Electric switch. 2,658,962, Nov. 10.
Bourquin, Maurice, Wavre, Saint-Blaise, Switzerland. Tobacco stringing machine. 2,643,008, June 23.
Bousman, Samuel I.: *See*—
Kelly, Earl M., and Bousman.
Bousquet, John A.: *See*—
George, Walter C., and Bousquet.
Bousson, Robert: *See*—
Doussain, Robert, Bousson, and Perrier.
Boutin, Harold S., Toledo, Ohio. Chair having resilient frame. 2,637,371, May 5.
Bouton, Gertrude V., assignee: *See*—
Vischer, Alfred, Jr.
Boutros, Richard D., J. V. Donohoe, and M. Dykman, Brighton, assignors to Mixing Equipment Co., Inc., Rochester, N. Y. Mixing apparatus. 2,637,538, May 5.
Boutwell, William R., Norfolk, Va. Waste carton crusher. 2,660,110, Nov. 24.
Bouwman, Wicher K.: *See*—
Muller, Hendrik L., and Bouwman.
Bouyoucos, George, assignor to Michigan State Board of Agriculture, East Lansing, Mich. Soil moisture meter. 2,636,962, Apr. 28.
Bova, Fred, Pittsburgh, Pa., and J. Bova, New Rochelle, N. Y. String instrument instruction chart. 2,649,008, Aug. 18.
Bova, Joseph: *See*—
Bova, Fred, and J.
Bovay, H. E., Jr., assignee: *See*—
Bovay, Harry E., Jr., Lawler, and Wheeler.
Bovay, Harry E., Jr., C. A. Lawler, and L. H. Wheeler, Houston, assignors of one-half to A. Temple, Jr., Diboll, Tex., and one-half to H. E. Bovay, Jr. Lumber sorter. 2,636,601, Apr. 28.
Bove, Anthony E., Willow Grove, Pa. Can opener. 2,632,240, Mar. 24.
Bovin, Henry: *See*—
Peltz, Gordon M., and Bovin.

Bovio, Ilario, Ivrea, Italy. Automatic ink-ribbon reversal mechanism for typewriters and printing business machines. 2,654,461, Oct. 6.
Bowan, Walter J.: *See*—
Mueller, Frank H., and Bowan.
Bowar, Earl C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical connector. 2,642,474, June 16.
Bowden, Andrew T., Jesmond, Newcastle-upon-Tyne, A. Muller, Penwortham, Preston, P. Kolb, and W. Hryniszak, and O. Zadnick, Whitley Bay, assignors of one-sixth to C. A. Parsons & Company Limited, Newcastle-upon-Tyne, England. Freewheeling clutch between a compressor turbine and an output turbine. 2,660,033, Nov. 24.
Bowden, Andrew T., Newcastle-upon-Tyne, W. Hryniszak, and P. Kolb, Whitley Bay, assignors of one-fourth to C. A. Parsons & Company Limited, Newcastle-upon-Tyne, England. Regenerative heat exchanger. 2,643,097, June 23.
Bowden, Dexter T., Marblehead, Mass. Container blank to form into various containers. 2,647,621, Aug. 4.
Bowden (Engineers) Limited, assignee: *See*—
Melsom, Walter A.
Bowden, William H., assignor to Alliance Ware, Inc., Alliance, Ohio. Drainboard. 2,658,205, Nov. 10.
Bowdey, R. Donald: *See*—
Norgren, Carl A., Mosier, Bowdey, and Metzger.
Bowditch, Hoel L., assignor to The Foxboro Company, Foxboro, Mass. Bourdon tube. 2,644,336, July 7.
Bowditch, Hoel L., assignor to The Foxboro Company, Foxboro, Mass. Pneumatic modulating relay. 2,652,066, Sept. 15.
Bowditch, Hoel L., assignor to The Foxboro Company, Foxboro, Mass. Adjustable index arm for measuring instruments. 2,658,469, Nov. 10.
Bowditch, Hoel L., assignor to The Foxboro Company, Foxboro, Mass. Adjustable set point arm for control instruments. 2,660,146, Nov. 24.
Bowditch, Hoel L., assignor to The Foxboro Company, Foxboro, Mass. Detachable index arm unit for measuring instruments. 2,660,147, Nov. 24.
Bowditch, Hoel L., assignor to The Foxboro Company, Foxboro, Mass. Pneumatic valve precise positioning device. 2,661,725, Dec. 8.
Bowditch, Hoel L., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Controller. 2,631,570, Mar. 17.
Bowditch, Hoel L., and A. R. Catheron, assignors to Foxboro Company, Foxboro, Mass. Pneumatic valve control volume booster system. 2,638,875, May 19.
Bowen, Alfred J., Beloit, Wis. Grinding machine. 2,658,313, Nov. 10.
Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultrahigh frequency resonator. 2,660,667, Nov. 24.
Bowen, Billi, New York, N. Y., and C. L. Metzler, Palisades Park, N. J., assignors to The Gillette Company. Safety razor. 2,654,149, Oct. 6.
Bowen, Clarence S., Greenville, S. C. Beehive with heating and ventilating means. 2,628,374, Feb. 17.
Bowen Co. of Texas, Inc., assignee: *See*—
Linney, Douglas M.
Bowen, Cyril F., assignor to G. & J. Esplin Limited, Montreal, Quebec, Canada. Partitions for boxes. 2,634,015, Apr. 7.
Bowen, Daniel W., Tampa, assignor to Miracle-Vac, Inc., Miami, Fla. Hair drier attachment for vacuum cleaners. 2,654,161, Oct. 6.
Bowen, Earl M., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Automatic transfer machine tool. 2,640,254, June 2.
Bowen, Frank W., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Elevation of granular solids. 2,653,058, Sept. 22.
Bowen, J. Hartley, Jr., Haddonfield, N. J., and P. A. Gelber, Drexel Hill, Pa. Durability test device. 2,650,493, Sept. 1.
Bowen, Joe, Huntington, W. Va., assignor to Alexander H. Kerr and Company, Incorporated, Los Angeles, Calif. Jar capping apparatus. 2,638,258, May 12.
Bowen, Kenneth H.: *See*—
Patterson, Oliver W., and Bowen.
Bowen, Leslie G., Evanston, Ill. Electric liquid heater. 2,636,974, Apr. 28.
Bowen, Myron W., Niles, Mich., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Washer and squeezer extractor. 2,652,709, Sept. 22.
Bowen, Oliver G., assignor to Presan Corporation, Los Angeles, Calif. Method and apparatus for analyzing shape and bending stresses in structural elements. 2,646,716, July 28.
Bowen, William S., Westfield, N. J. Calcining apparatus. 2,659,587, Nov. 17.
Bowen, William S., Westfield, N. J., and J. E. Viscardi, New York, N. Y. Reaction furnace and evaporator. 2,640,532, June 2.
Bower, Bowman M., Endicott, and W. R. Young, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Antiabrasion coatings for gelatino silver halide emulsion layers consisting of resins obtained by condensing 5-substituted hydantoins with formaldehyde. 2,633,423, Mar. 31.
Bower, Bruce O., Lorain, Ohio. Automatic alarm rese
mechanism. 2,646,659, July 28.
Bower, Gilbert C.: *See*—
Booton, Roy, and Bower.
Bower, Ralph H., Goshen, Ind. Face mask. 2,637,038
May 5.
Bower Roller Bearing Company, assignee: *See*—
McMullan, Orin W.
Bower, Walter, and L. G. Ball, Barlborough, near Chester
field, assignors to Renishaw Iron Company Limited
Derby, England. Wheel attachment. 2,630,349, Mar. 3
Bowering, Henry G., Needham, assignor to Kinney Manu
facturing Company, Jamaica Plain, Mass. Vacuum
pump. 2,628,770, Feb. 17.
Bowerman, Clarence J., Pittsford, assignor to Bausch &
Lomb Optical Company, Rochester, N. Y. Microscop
nosepiece. 2,656,759, Oct. 27.
Bowerman, Clarence J., Pittsford, assignor to Bausch &
Lomb Optical Company, Rochester, N. Y. Slide clamp
ing mechanism for mechanical stages for microscopes
2,656,760, Oct. 27.
Bowers, Charles E., Moylan, assignor to The Fibre-Meta
Products Company, Chester, Pa. Protective shield con
nection for skull guards. 2,631,286, Mar. 17.
Bowers, Charles E., Sr., Moylan, assignor to The Fibr
Metal Products Company, Chester, Pa. Adjustable sto
for pivotally mounted head protective equipment
2,658,200, Nov. 10.
Bowers, Eric H., assignor to Dowty Equipment Limited
Cheltenham, England. Hydraulic power unit
2,642,804, June 23.
Bowers, Frank, Williamsville, and R. S. Brookman, Eas
Aurora, assignors to Dustex Corporation, Buffalo, N. Y
Apparatus for separating particles from gases
2,643,737, June 30.
Bowers, Glenn: *See*—
Anderson, Farrel L., and Bowers.
Bowers, Maurice E., Somerville, N. J. Chicken chute
2,648,307, Aug. 11.
Bowes, Leslie H., assignor to Morton Salt Company, Ritt
man, Ohio. Check weigher. 2,661,201, Dec. 1.
Bowes, Robert A., assignor to Carbide Saw & Tool Com
pany, Chicago, Ill. Holder and knife blade having
tungsten carbide edge. 2,634,499, Apr. 14.
Bowes, Thomas D., assignee: *See*—
Schulte, Fritz.
Bowland, Charles R., Spring Valley, Ill. Combined mirro
and flashlight. 2,645,706, July 14.
Bowles, Richard E., Silver Hill, Md. Gutter joint sealin
means. 2,638,858, May 19.
Bowl-O-Beauty Co., assignee: *See*—
Bussert, Clarence E.
Bowman, A. B., assignee: *See*—
Smith, Robert L.
Bowman, Benjamin F., Clarksburg, W. Va. Revolvin
spud line. 2,646,255, July 21.
Bowman, David F., Mineola, N. Y., assignor, by mesn
assignments, to Hewlett-Packard Company, Palo Alt
Calif. Measuring system. 2,624,781, Jan. 6.
Bowman, George H., Jr., assignee: *See*—
Swearingen, Paul R.
Bowman, Hyman D., Raleigh, N. C. Illuminated electri
razor frame. 2,635,179, Apr. 14.
Bowman, Hyman D., Raleigh, N. C. Washing machine
2,658,371, Nov. 10.
Bowman, Irwin C., Chicago, Ill. Device for color com
parisons. 2,636,286, Apr. 28.
Bowman, John M., assignor to Philco Corporation, Phila
delphia, Pa. Control device. 2,653,262, Sept. 22.
Bowman, John R., and W. P. Ridenour, Pittsburgh, Pa
and J. H. Whittaker, Lombard, Ill., assignors to Gul
Research & Development Company, Pittsburgh, Pa
Preparing petroleum wax compositions containing
small amount of a polyethylene. 2,638,459, May 12.
Bowman, Joseph H., assignor to American Steel Ban
Company, Pittsburgh, Pa. Insulated metal wall pane
2,659,461, Nov. 17.
Bowman, Norman J., Gary, Ind., assignor to Standard O
Company, Chicago, Ill. Removal of oxygenated o
ganic compounds from hydrocarbon mixtures thereo
2,660,600, Nov. 24.
Bowman, Paul E., Columbus, Kans. Conveyer belt cleane
2,652,920, Sept. 22.
Bowman, Robert L., Chaska, and H. Meyer, Prinsbur
Minn. Sugar beet harvester and topper. 2,629,21
Feb. 24.
Bowman, Robert S.: *See*—
Stevens, Donald R., and Bowman.
Bowman, Samuel G.: *See*—
Caldwell, Walter L., and Bowman.
Bowman, Walter J., and W. E. Gould, assignors to Muelle
Co., Decatur, Ill. Tamperproof valve or the lik
2,653,790. Sept. 29.
Bowman, Wesley E.: *See*—
Lockwood, David W., and Bowman.
Bowman, William A., Baltimore, Md. Jackknife windo
2,637,381, May 5.
Bowman, William A., Baltimore, Md. Automatically ope
ated jackknife window. 2,637,383, May 5.
Bowman, Woodrow A.: *See*—
Arnt, Charles H., and Bowman.
Bowne, M. S., trustee, assignee: *See*—
Webb, Cecil E.

Venner, William M., and Bowser.

Bowser, Virgil C., Silver Spring, assignor to Bowser Engineering Company, Baltimore, Md. Semiautomatic parking garage. 2,663,436, Dec. 22.

Bowyer, Aldred W., and J. R. Cartwright, Letchworth, assignors to British Tabulating Machine Company Limited, London, England. Decimal to binary conversion machine. 2,647,689, Aug. 4.

Box, Merrell L., Buena Park, and R. W. Cason, assignors to Merrell Manufacturing Company, Fullerton, Calif. Machine for detecting and ejecting improperly labeled cans. 2,660,304, Nov. 24.

Boy, Ralph E., Jr.: *See*—
Schulken, Roger M., Jr., and Boy.

Boyajean, John A., Jr., Upper Montclair, N. J., assignor to Fairchild Camera and Instrument Corporation. Image-reproducing plate and cylinder assembly. 2,641,183, June 9.

Boyar-Schultz Corporation, assignee: *See*—
Bunnell, William S.

Boyce, Arley G., Salem, Oreg. Artificial lure. 2,655,757, Oct. 20.

Boyce, Clifford A., Burlington, Vt. Grill. 2,638,841, May 19.

Boyce, Eugene L., and M. D. Burrows, assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Lawn mower and actuating means therefor. 2,642,709, June 23.

Boyce, John, San Jose, and J. C. Olsen, Campbell, Calif., assignors to Food Machinery and Chemical Corporation. Container feed and discharge mechanism. 2,656,911, Oct. 27.

Boyce, John, San Jose, and D. W. Hayes, Campbell, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Machine for closing cartons. 2,660,012, Nov. 24.

Boyce, Leonard D., Kirkwood, assignor to Carburetor Company, St. Louis, Mo. Thermostatic accelerating pump control. 2,625,382, Jan. 13.

Boyce, Leonard D., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor heat deflector. 2,635,597, Apr. 21.

Boyce, Leonard D., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Automatic carburetor choke control. 2,646,933, July 28.

Boyce, Stanley C., Toronto, Ontario, Canada. Toy figure manipulating means. 2,624,155, Jan. 6.

Boyce, Stanley C., and H. E. Hart, Toronto, Ontario, Canada. Apparatus for installing valve seats. 2,632,364, Mar. 24.

Boyce Thompson Institute for Plant Research, Inc., assignee: *See*—
Arthur, John M.
Zimmerman, Percy W., and Hitchcock.

Boyce, William E., Ridgeway, N. Y. Spray applicator. 2,635,920, Apr. 21.

Boyd, Abe R., Indianapolis, Ind. Guide finger for Kluge presses. 2,631,036, Mar. 10.

Boyd, Albert B., Drexel Hill, Pa. Flush valve. 2,644,952, July 14.

Boyd, Bruce, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power regulation in high-frequency heating apparatus. 2,647,983, Aug. 4.

Boyd, Burdett R., St. Paul, Minn. Illuminating means for car door locks. 2,628,304, Feb. 10.

Boyd, Donald A., Detroit, Mich. Oil seal. 2,626,822, Jan. 27.

Boyd, George H., Royal Oak, Mich. Tape dispensing device. 2,645,286, July 14.

Boyd, Ira E., Sr., Warren, Ohio. Supporting rack and holder for mortar hods. 2,642,998, June 23.

Boyd, Raymond J., Arvada, Colo. Livestock watering device. 2,628,631, Feb. 17.

Boyd, Roy W., Jr., Chicago, Ill. Tool holding collet for boring bar assemblies. 2,657,066, Oct. 27.

Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of the mixed anhydrides of organic carboxylic acids and ortho titanic acid. 2,630,443, Mar. 3.

Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aminoplasts modified with titanium polymers. 2,643,984, June 30.

Boyd, Thomas, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. 2,2-bis-(tertiary butyl peroxy) butane catalyst for ethylene polymerization. 2,650,913, Sept. 1.

Boyd, Thomas, Springfield, and H. A. Walker, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Pyrazoline resins. 2,631,991, Mar. 17.

protective overcoating. 2,647,441, Aug. 4.

Boydstun, Ira S., Houston, Tex. Volumetric measuring and dispensing device with container cutting and attaching means. 2,650,739, Sept. 1.

Boye Needle Company, The, assignee: *See*—
Carlson, Gustav A.
Flannery, Roy L.

Boyer, Charles J., West Reading, assignor to Willson Products, Inc., Reading, Pa. Air line respirator filter cartridge holder. 2,642,061, June 16.

Boyer, Floyd J., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Fuel system. 2,640,423, June 2.

Boyer, Jackson S., Darby, assignor to Sun Oil Company, Philadelphia, Pa. Sealing porous formations. 2,649,159, Aug. 18.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,663,811, Dec. 22.

Boyer, John L., and A. P. Colaiaco, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor-electric device. 2,663,824, Dec. 22.

Boyer, John L., Pittsburgh, and L. A. Kilgore, Export, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,632,870, Mar. 24.

Boyer, John L., Pittsburgh, and W. S. Albert, Pitcairn, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alkali-metal rectifier. 2,637,827, May 5.

Boyer, Mahlon R., Metuchen, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Producing etched printing plates. 2,650,877, Sept. 1.

Boyer, Mahlon R., Metuchen, and A. W. Grumbine, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing etched printing plates. 2,650,878, Sept. 1.

Boyer, Mathew L., Nome, assignor of forty per cent to C. D. Victery, Liberty, Tex. Comb with scissors rest. 2,638,907, May 19.

Boyer, Myron H., Puente, Calif. Fluid flowmeter. 2,624,199, Jan. 6.

Boyer, Oliver, Spencerville, Ohio, assignor of one-fourth to P. E. Siggers, Sr., Wilmington, Del. Clover hulling and cleaning attachment for combines. 2,633,851, Apr. 7.

Boyer, Oscar A., Cleveland, Ohio, assignor to General Electric Company. Weighing and sorting apparatus. 2,646,881, July 28.

Boyer, Ralph K., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Tire tread gauge. 2,654,156, Oct. 6.

Boyer, Raymond F.: *See*—
Rubens, Louis C., and Boyer.

Boyer, William P., and J. R. Mangham, Chesterfield County, assignors to Virginia-Carolina Chemical Corporation, Richmond, Va. Tetraalkyl esters of alkane diphosphonic acids. 2,634,288, Apr. 7.

Boykin-Fruth, Inc., assignee: *See*—
Boykin, Otis F., and Fruth.

Boykin, Otis F., Chicago, and H. F. Fruth, Skokie, assignors to Boykin-Fruth, Inc., Chicago, Ill. Electrical resistor. 2,634,352, Apr. 7.

Boykin, Robert O.: *See*—
Osborne, Raymond G., and Boykin.

Boykin, Robert O., Jr., Los Angeles, Calif. Perforation production tester. 2,657,576, Nov. 3.

Boyko, John, Detroit, and E. W. McCaul, Birmingham, assignors to Jervis B. Webb Company, Detroit, Mich. Transfer mechanism for floor propellers. 2,660,127, Nov. 24.

Boylan, Arthur H.: *See*—
Aue, Lester A., and Boylan.

Boyle, Homer G., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Intercarrier sound type television receiver volume control. 2,653,995, Sept. 29.

Boyle, James C., assignee: *See*—
Medlar, Lewis A., and Naab.

Boyle, James M.: *See*—
Kirshenbaum, Abraham D., and Boyle.

Boyle, John R.: *See*—
Kopp, Alfred J., and Boyle.

Boyle, John R., assignor to Buildice Company, Inc., Chicago, Ill. Condenser cooling unit. 2,662,741, Dec. 15.

Boyle, John R., assignor to E. A. Mertes, Chicago, Ill. Milk cooler. 2,659,579, Nov. 17.

Boyle, Ralph C.: *See*—
Ferguson, Henry A., Boyle, and Jedrzykowski.

Boyles, Harry A., Brooklyn, N. Y. Elastic belt structure. 2,627,093, Feb. 3.

Bozek, John S., Franklin Park, assignor to Standard Packaging Corporation, Chicago, Ill. Article timing and indexing mechanism. 2,630,904, Mar. 10.

Bozek, John S., Franklin Park, and H. E. Weidanz, assignors to Standard Packaging Corporation, Chicago, Ill. Machine for applying and sealing closures to bottles. 2,645,399, July 14.

Bozeman, Virgil F., Sr., Moline, Ill., assignor to Deere & Company. Beet harvester. 2,635,405, Apr. 21.

Bozzalla, Delbert J., Los Angeles, Calif. Charge ejecting nail polish applicator. 2,642,607, June 23.

Braae, Ben, assignor to Aktiebolaget Seperator-Nobel, Stockholm, Sweden. Separating organic compounds of high hydrogen content from those of low hydrogen content. 2,649,467, Aug. 18.

Brabaek, Jorgen, assignor to Aktieselskabet Volund, Copenhagen, Denmark. Treating mixture containing materials and apparatus therefor. 2,654,159, Oct. 6.

Bracci, Dante, Franklin, Mass. Apparatus for testing the fuel consumption of motor vehicles. 2,652,719, Sept. 22.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Filter adapter. 2,650,113, Aug. 25.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,658,442, Nov. 10.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,658,443, Nov. 10.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Flexible hose. 2,661,025, Dec. 1.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Propelling handle and filter bag assembly for vacuum cleaners. 2,661,077, Dec. 1.

Brace, George H., New London, Conn. Horizontal flue boiler with baffle structure in flue. 2,649,844, Aug. 25.

Brace, Porter H., Forest Hills Boro, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tube making process. 2,628,516, Feb. 17.

Brace, Porter H., Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy.. Heat-treating metals having difficultly reducible oxides. 2,638,426, May 12.

Brace, Porter H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for the magnetic levitation and heating of conductive materials. 2,664,496, Dec. 29.

Brach, E. J., & Sons, assignee: *See*—
Varak, Joseph.
Zimmer, Clyde R.

Bracke, Diane R. W., administratrix: *See*—
Bracke, Oscar J. J., and Lens.

Bracke, Martha O., administratrix: *See*—
Bracke, Oscar J. J., and Lens.

Bracke, Oscar J. J., deceased, Antwerp, Belgium (by M. B. Braeckman, Antwerp, M. O. Bracke and E. A. M. Rooms, St. Amandsberg, M. der Gasparian, and D. R. W. Bracke, administrators), and G. X. Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Selecting and controlling mechanism for movable parts. 2,653,486, Sept. 29.

Bracke, R. F., & Company, assignee: *See*—
Anderson, Robert, and Bracke.

Bracke, Robert F.: *See*—
Anderson, Robert, and Bracke.

Bracken, Clement H., Pacoima, Calif. Time-delay attachment for wall switches. 2,637,788, May 5.

Brackett, Donald L., assignor of two-thirds to General Sheet Metal Works, Waterloo, Iowa. Grain conveyer. 2,643,159, June 23.

Bracy, Benjamin F.: *See*—
Daley, Edward A., Mueller, and Bracy.

Bradburd, Ervin M., Fairlawn, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device and circuits for neutralized coaxial line amplifiers. 2,643,302, June 23.

Bradbury, James G., assignor to Hays Manufacturing Company, Erie, Pa. Tamperproof plug valve. 2,628,058, Feb. 10.

Braddon, Frederick D., Babylon, assignor to The Sperry Corporation, Great Neck, N. Y. Gravitational torquing means for gyro instruments. 2,656,726, Oct. 27.

Braddon, Frederick D., Babylon, N. Y., and W. Wrigley, Wollaston, Mass. Inclined gyroscopic horizon. 2,630,016, Mar. 3.

Braddy, William H.: *See*—
Kennedy, Robert L., and Braddy.

Bradford, James H., Tooele, Utah, assignor of one-half to Combined Metals Reduction Company. Processing furnace for discrete solids. 2,639,132, May 19.

Bradford, John R., Jr., Lordsburg, N. Mex. Flat tire signal device. 2,640,119, May 26.

Bradford Novelty Co., Inc., assignee: *See*—
Burnbaum, Jack.

Bradford, W. J., Paper Co., assignee: *See*—
Schwab, John J., and Wahl.

Bradhering, Walter, assignor to The Budd Company, Philadelphia, Pa. Press safety jack. 2,653,560, Sept. 29.

Bradler, Stanley, Cleveland, Ohio. Roto reflector. 2,642,777, June 23.

Bradley, Aura R., Berea, Ohio. Fishing lure. 2,653,408, Sept. 29.

Bradley, Caton, Middletown, assignor to The Sessions Clock Company, Forestville, Conn. Timing device. 2,664,155, Dec. 29.

Bradley, Clifton R., Bedford, Ohio. Article holder, including coacting gripping fingers. 2,636,615, Apr. 28.

Bradley, Clifton R., Bedford, Ohio. Holder. 2,645,354, July 14.

Bradley, Earl L.: *See*—
Foster, Thomas W., Schek, and Bradley.

Bradley, Frank E., North Hollywood, Calif. Tellurian. 2,641,065, June 9.

Bradley & Gilbert Company, The, assignee: *See*—
Bolding, Hubert V.
Bolding, Hubert V., and Gowens.

Bradley, Harl C., Fort Wayne, Ind., assignor to General Electric Company. Double flow lubricated unit bearing. 2,633,393, Mar. 31.

Bradley, Harris W., and H. K. Livingston, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkali metal dispersions and their use as diesel fuel additives. 2,642,345, June 16.

Bradley, Harry, assignor to John Waddington Limited, Leeds, England. Carton for round-ended articles. 2,643,814, June 30.

Bradley, James C., Oreland, Pa., assignor to The Electric Storage Battery Company, Separator protector. 2,643,279, June 23.

Bradley, James M., West Long Branch, N. J., and A. F. Spilhaus, St. Paul, Minn., assignors to the United States of America as represented by the Secretary of the Army. Velocity and direction computer. 2,651,459, Sept. 8.

Bradley, John J., Grosse Pointe, assignor to The Gear Grinding Machine Company, Detroit, Mich. Trumpet for use in textile industry. 2,659,108, Nov. 17.

Bradley, John M., Pampa, Tex., assignor to Standard Oil Development Company. Liquid-liquid extraction tower. 2,642,341, June 16.

Bradley, Robert L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cord clamp for shoe upper lacing machines. 2,658,214, Nov. 10.

Bradley, Robert W., Marblehead, and G. T. Hart, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Dielectric bonding machine. 2,650,288, Aug. 25.

Bradley, Schuyler L.: *See*—
Harder, Edwin L., and Bradley.

Bradley, Schuyler L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,644,127, June 30.

Bradley, Schuyler L., Pittsburgh, assignor to Westinghouse Eelctric Corporation, East Pittsburgh, Pa. Regulating system. 2,648,813, Aug. 11.

Bradley, Theodore F.: *See*—
Shokal, Edward C., Newey, and Bradley.

Bradley, William E., New Hope, assignor to Philco Corporation, Philadelphia, Pa., Electrical system for altering phase displacement of sequential-type color signals. 2,648,722, Aug. 11.

Bradley, William E., Newtown, assignor to Philco Corporation, Philadelphia, Pa. Cathode-ray tube system utilizing indexing signals. 2,644,855, July 7.

Bradley & Gilbert Company, The, assignee: *See*—
Bolding, Hubert V.

Bradner, Mead, Foxboro, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Impact operated switch. 2,632,069, Mar. 17.

Bradshaw, Clifford R., Rock Elm, Wis. Unloading mechanism for farm wagons. 2,626,068, Jan. 20.

Bradshaw, John A., Greenville, S. C., assignor to J. P. Stevens & Co., Inc. Auxiliary beam letoff mechanism for looms. 2,664,114, Dec. 29.

Bradshaw, Leonard C., assignor to International Bitumen Emulsions Limited, Slough, England. Fiberboard containing bitumen modified fatty acid pitch. 2,637,650, May 5.

Bradshaw, Richard B.: *See*—
Borngesser, Otto J., Bradshaw, and Smith.

Bradshaw, Sidney B., assignor to Armour and Company, Chicago, Ill. Suture package. 2,643,765, June 30.

Bradshaw, Stanley E.: *See*—
Evans, Edward M., Bradshaw, and Whitney.

Bradway, Edward J., Vineland, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Chuck. 2,630,328, Mar. 3.

Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Moistureproof bag. 2,631,630, Mar. 17.

Brady, Charles V., and R. J. Williams, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag. 2,646,203, July 21.

Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag of openmesh material and paper. 2,655,969, Oct. 20.

Brady, Edward F., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Core orienting apparatus and method. 2,657,013, Oct. 27.

Brady, George F., Williamsport, Pa. Head and neck support. 2,632,497, Mar. 24.

Brady, James J., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Conical scan antenna. 2,643,338, June 23.

Brady, James M., West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of the Army. Shock reducing parachute. 2,657,885, Nov. 3.

Brady, Samuel G., Royal Oak, assignor to The Gear Grinding Machine Company, Detroit, Mich. Trimming mechanism for grinder wheels. 2,664,080, Dec. 29.

Brady, Thomas G.: *See*—
Brinson, Harry A., and Brady.

Brady, Thomas L., Henderson City, Ky. Combined spectacle frame and light. 2,638,532, May 12.

Brady, William E., Baldwin, Iowa. Safety brake mechanism. 2,663,596, Dec. 22.

Braeckman, Maria B., administratrix: *See*—
Bracke, Oscar J. J., and Lens.

Braendel, Felix W., Teaneck, N. J., assignor to Groov-Pin Corporation. Driver tool for self-tapping inserts. 2,641,948, June 16.

Braendel, Helmuth G.: *See*—
Wilkening, Frederick W., Braendel, and Engelhardt.

Brafman, Harold E., assignor to Sprague Electric Company, North Adams, Mass. Molded electrolytic capacitor. 2,628,271, Feb. 10.

Bragdon, Robert W., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Stabilizing alkali metal and alkaline earth metal aluminum hydrides. 2,656,243, Oct. 20.

Bragg, Charles E., assignor to Standard Oil Company, Chicago, Ill. Method of and apparatus for measuring conductivity of liquids. 2,637,768, May 5.

Bragg, David K., Foxboro, W. F. Hickes, Sharon, and H. A. Neuman, Wrentham, assignors to The Foxboro Company, Foxboro, Mass. Vapor pressure thermometer. 2,639,189, May 19.

Bragg, Herbert E.: *See*—
Leslie, Fred D., and Bragg.

Bragg, Kenneth R.: *See*—
Aldrich, George R., and Bragg.

Braid, Murray D., Painesville, assignor to Thompson Products, Inc., Cleveland, Ohio. Rebound hardness measuring device. 2,654,244, Oct. 6.

Brainard, Frank S., Jr., assignee: *See*—
Koutnik, Ludwig W.

Brainard, George C., Cleveland, and J. H. Gruver, Cleveland Heights, assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio. Plastic printing plate and the embossing thereof. 2,645,178, July 14.

Brainard, George C., Cleveland, and J. H. Gruver, Cleveland Heights, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Embossing machine. 2,645,322, July 14.

Brainard, Maurice W., assignor of one-half to O'Keefe & Merritt Company, Los Angeles, Calif. Rotating rectifier for electric machines. 2,634,379, Apr. 7.

Braithwaite, Charles H., Jr., Wood River, and G. A. Martin and R. E. Sutton, East Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Fuel oils. 2,657,984, Nov. 3.

Braithwaite, Isaac, & Son Engineers Limited, assignee: *See*—
Howlett, Edward J.

Braitsch, Otto and A. Haas, Schramberg/Wurttenberg, assignors to Gebrüder Junghans, A. G., Schramberg, Germany. Pendulum catch for timekeepers, particularly for clocks. 2,631,424, Mar. 17.

Brakel, Lewis H.: *See*—
Tripp, John G., Brakel, and Gould.

Brakeley, Paul W., Jr.: *See*—
Schneider, Helmuth G., and Brakeley.
Schneider, Helmuth G., Van Sicien, and Brakeley.

Brakeman, Roy E.: *See*—
Darner, Frederic M., and Brakeman.

Braker, William: *See*—
Lott, William A., Braker, and O'Keefe.

Braker, William, Newark, W. A. Lott, Maplewood, and A. E. O'Keefe, Woodbridge, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Purification of antibiotics with water soluble salts of water insoluble carboxylic acids. 2,631,143, Mar. 10.

Braley, James H., Sacramento, Calif. Tire shaping machine. 2,651,893, Sept. 15.

Bräm, Alfred, Schlieren, assignor to Micafil A.-G., Zurich-Alstetten, Switzerland. Rotary piston air pump. 2,646,206, July 21.

Bramhall, Fay B., Ridgewood, E. L. Newell, and P. H. Wells, Chatham, N. J., and C. H. Cramer, Great Neck, assignors to The Western Union Telegraph Company, New York, N. Y. Repeater switching system. 2,658,945, Nov. 10.

Bramhall, George H., Cleveland, and J. P. Hunter, Eastlake, Ohio, assignors to General Electric Company. Transmission belt. 2,627,185, Feb. 3.

Brami, Joseph, Baltimore, Md., assignor to C. D. Zeltouni, Brooklyn, N. Y. Duplex loud-speaker. 2,638,510, May 12.

Bramming, Carl, Anderson, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Container for a plurality of vacuum bottles. 2,644,578, July 7.

Bramming, Carl, Anderson, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Incandescent mantle mounting. 2,653,464, Sept. 29.

Brams, Stewart L., West Alexandria, Ohio, assignor to General Motors Corporation, Detroit, Mich. Adhesive composition containing butadiene-styrene copolymer and tack-producing resin. 2,643,235, June 23.

Branan, Wiley M., Penns Grove, N. J., L. A. Burrows, Mendenhall, and B. H. Mackey, West Chester, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of cellulose ethers. 2,636,879, Apr. 28.

Brancato, Emanuel L., Riverdale, Md., and A. T. McClinton, Alexandria, Va. Ground detector. 2,632,037, Mar. 17.

Brancke, Carl A.: *See*—
Warrick, Thurlow J., and Brancke.

Brancke, Carl A., North East, Pa., assignor to General Electric Company. Power system. 2,658,152, Nov. 3.

Brancke, Carl A., North East, Pa., assignor to General Electric Company. Prime mover starting and shutdown system. 2,658,153, Nov. 3.

Brancke, Carl A., North East, and T. J. Warrick, Erie, Pa., assignors to General Electric Company. Prime mover starting system. 2,658,154, Nov. 3.

Brand, Benson G., assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Protective coating material. 2,649,424, Aug. 18.

Brand, David: *See*—
Pollack, Hyman, and Brand.

Brand, Emily M. A., executrix: *See*—
Brand, Harry R.

Brand, Harry R., deceased, late of New York, by Emily M. A. Brand executrix, New York, N. Y. Therapeutic apparatus. 2,655,915, Oct. 20.

Brand, John R.: *See*—
McDonald, Frank H., Mackrell, Rado, and Brand.

Brand, Josef, Duisburg-Hamborn, Germany. Mine support. 2,656,141, Oct. 20.

Brand, Samuel: *See*—
Watson, Thomas J., and Brand.

Brandel, Lelia C., Burbank, Calif. Slotted mixing spoon. 2,650,425, Sept. 1.

Brandell, Elmer, assignee: *See*—
Neal, Ernest C.

Brandenberger, Jacques E., Neuilly-sur-Seine, and F. J. Bossard, Paris, France. Salt dentifrice. 2,658,851, Nov. 10.

Brandenberger, Jacques E., Paris, France, assignor to Societe La Cellophane (Suisse), Basel, Switzerland. Apparatus for the production of wrapped articles. 2,625,776, Jan. 20.

Brandenburg, Alva L., Norfolk, Nebr. Automobile ventilator. 2,631,518, Mar. 17.

Brandenburg, Julius, New York, N. Y. Stethoscope with means for regulating the tone and pitch. 2,651,380, Sept. 8.

Brandenburg, Lester L., Oakland, and G. W. Orem, Vallejo, Calif., said Orem assignor to said Brandenburg. Hermetic package sealing machine. 2,646,837, July 28.

Brandenfels, Carl, St. Helens, Oreg. Scalp and body stimulator. 2,657,686, Nov. 3.

Brandes, Ernest E., Madison, Wis. Heat dispersing apparatus. 2,627,800, Feb. 10.

Brandes, Oliver L.: *See*—
Ambrose, Henry A., and Brandes.

Brandes, Oliver L., Gibsonia, and C. B. Pattinson, Jr., Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Cleaning internal-combustion engines and composition therefor. 2,626,225, Jan. 20.

Brandes, Roy H., and R. C. Treseder, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Control valve. 2,630,136, Mar. 3.

Brandley, William E.: *See*—
Cody, Albert I., and Brandley.

Brandner, John D., assignor to Atlas Powder Company, Wilmington, Del. Surface active agents. 2,636,038, Apr. 21.

Brandner, John D., assignor to Atlas Powder Company, Wilmington, Del. Production of esters of cyclic acetals. 2,648,680, Aug. 11.

Brandon, Arthur H., Long Beach, Calif. Adjustable belly spring. 2,656,890, Oct. 27.

Brandon, Arthur H., Los Angeles, Calif. Tubing caliper with releasable latch. 2,630,632, Mar. 10.

Brandon, Richard C.: *See*—
Blatz, Leo J., and Brandon.

Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Stabilizing hypochlorite solutions. 2,662,858, Dec. 15.

Brandon, Thomas O., Cucamonga, Calif. Recording means of missile dispensing tubes of angle determining devices. 2,641,521, June 9.

Brandt, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Gauge. 2,650,434, Sept. 1.

Brandt, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mechanical gauge. 2,662,294, Dec. 15.

Brandt Automatic Cashier Company, assignee: *See*—
Buchholz, Arnold R.
Jorgensen, Jens J.

Brandt, Carl D.: *See*—
Dudley, John S., and Brandt.

Brandt, Donald V., Jamaica, and S. R. Cheek, Jackson Heights, N. Y. Container for cigarettes and matches. 2,634,854, Apr. 14.

Brandt, Edgar W., Geneva, Switzerland, assignor to Anstalt für die Entwicklung von Erfindungen und gewerblichen Anwendungen Energa, Vaduz, Liechtenstein. Projectile. 2,661,691, Dec. 8.

Brandt, Harry M.: *See*—
Ponder, Speers G., and Brandt.

Brandt, Walter, Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Signal receiver circuit. 2,657,308, Oct. 27.

Brandywine Mushroom Corporation, assignee: *See*—
Blevins, Walter G., Sr., Coleman, and Mills.

Brane, Maxwell D., Wexford, and A. McLanahan, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Emergency dynamic braking system. 2,660,126, Nov. 24.

Branick, Charles E., Fargo, N. Dak. Tire hoist. 2,634,095, Apr. 7.

Brannan, Lee, Detroit, Mich. Electrolytically removing tarnish from silver articles. 2,632,730, Mar. 24.

Brannen, David B., Tucson, Ariz. Typewriter warning device. 2,639,021, May 19.

Brannen, Paul M.: *See*—
Marlowe, Elbert W., and Brannen.

Branner, Samuel, Chicago, Ill. Ball controlled register. 2,631,780, Mar. 17.

Brannin, Richard S.: *See*—
Jude, George F., Newton, Brannin, and Halpert.

Brannock, Kent C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing mixed alkyl esters of phosphoric acid. 2,639,292, May 19.

Brannon, Melvin O., Waynesville, N. C. Building construction. 2,653,356, Sept. 29.

Branschofsky, Edward A., Detroit, Mich. Vehicle brake lining wear indicator. 2,636,090, Apr. 21.

Bransky, David W.: *See*—
Lemmon, Norman E., Schuessler, and Bransky.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Equalizing and vibration absorption support. 2,635,838, Apr. 21.

Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Hydraulic control. 2,628,489, Feb. 17.

Branson, David E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Keyboard mechanism for teletypewriters. 2,644,038, June 30.

Branson, David E., River Edge, N. J., and G. A. Locke, Glen Head, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system. 2,635,139, Apr. 14.

Branson, John C. S., Harborne, Birmingham, and L. C. Branson, Leicester, England. Amplifying device for use with telephone apparatus. 2,657,265, Oct. 27.

Branson, George A., Mountain Home, Idaho. Motor plow. 2,661,673, Dec. 8.

Branson Instruments, Inc., assignee: *See*—
Branson, Norman G.

Branson, Leslie C.: *See*—
Branson, John C. S. and L. C.

Branson, Norman G., assignor to Branson Instruments, Inc., Stamford, Conn. Apparatus for electrical thickness measurement. 2,659,861, Nov. 17.

Branson, Norman G., assignor to Branson Instruments, Inc., Stamford, Conn. Apparatus for electrical measurement of thickness using current ratios. 2,659,862, Nov. 17.

Branson, Raymond J., assignor to McNamar Boiler & Tank Company, Inc., Tulsa, Okla. Forming multiple segment tanks. 2,628,418, Feb. 17.

Branstetter, Charles H., Jr., Sacramento, Calif. rice in the field. 2,635,043, Apr. 14.

Branstrator, Clem G. and W. R., Fort Wayne, I. able step assembly for house trailers. 2,645,14.

Branstrator, Wayne R.: *See*—
Branstrator, Clem G. and W. R.

Brant, Arthur A., Clarkdale, Ariz., assignor to Mining Corporation, New York, N. Y. Appa use in making geophysical explorations. Sept. 29.

Brant, Joseph H.: *See*—
Reed, Raymond E., Brant, and Olson.

Brasco Manufacturing Company, assignee: *See*—
Hess, Carl B., and Richardson.

Brashear, Arthur P., Jr., assignor to Ameri Manufacturing Company, Temple, Tex. brace. 2,656,879, Oct. 27.

Brashear, Joseph M., Chicago, Ill., assignor Steel Company. Furnace end structure. Dec. 1.

Brasington, Charles P., Lake Mary, Fla. Mater ing end plate for roller mills. 2,656,986, Oct

Brass, Philip D., Mahwah, and J. U. Mann, Tean assignors to United States Rubber Company, N. Y. Making latex sponge rubber. 2,640,03

Brassert, H. A., & Company, assignee: *See*—
Westling, Carl J.

Brassie, Jerome E., assignor to The Dentist Company of New York, York, Pa. Instrume lating casts to dental articulators. 2,656,603

Brastad, William A., Minneapolis, Minn., assign eral Mills, Inc. Shield and guide for magnetic reproducer heads. 2,627,557, Feb. 3.

Brastad, William A., Minneapolis, Minn., assign eral Mills, Inc. Demagnetizer for magnetic reproducer. 2,657,277, Oct. 27.

Brath, William J., and L. J. Mayer, Portland, tachable service tray for automobile doors. July 14.

Bratlien, Gilbert, El Monte, Calif. Trailer v coupling therefor. 2,628,846, Feb. 17.

Brattain, Paul L., Azusa, and S. H. Ripa, Pasad Dolly pin. 2,636,238, Apr. 28.

Brattain, Walter H., Morristown, N. J., assign Telephone Laboratories, Incorporated, New Y Semiconductor translator. 2,663,829, Dec. 22.

Bratton, David H., Detroit, and J. H. Werni field Village, assignors to General Motors Co Detroit, Mich. Hinged finish molding. 2,649 18.

Bratun, Joseph, Pueblo, Colo. Beet picker a 2,646,167, July 21.

Brauchler, Chandis H.: *See*—
Brauchler, Charles A. and C. H.

Brauchler, Charles A., Canton, Ohio. Collapsi forging crankshafts. 2,653,373, Sept. 29.

Brauchler, Charles A. and C. H., Canton, Ohio propeller blades. 2,658,265, Nov. 10.

Brauer, Otto H., Three Rivers, Mich, assigno banks, Morse & Co., Chicago, Ill. Sound means for car wheels. 2,643,152, June 23.

Braun, Adolph F., Davison, assignor to Gener Corporation, Detroit, Mich. Compound carbu tem. 2,647,502, Aug. 4.

Braun, Adolph F., Davison, assignor to Gener Corporation, Detroit, Mich. Antistall device. Oct. 27.

Braun, C. F., & Co., assignee: *See*—
Lockwood, Daniel C.
Wansink, Leo P., and Haynes.
White, Gerald A., and Williamson.

Braun, Caroline A., administratrix: *See*—
Braun, Edward.

Braun, Edward, deceased, Norwalk, Conn., C. administratrix. Device for simultaneously and releasing plural workpieces. 2,662,433,

Braun, Henry L., Albany, N. Y. Hoisting and vice. 2,626,176, Jan. 20.

Braun-Hobar Corporation, assignee: *See*—
Hoch, John.

Braun, Karl J., Glenbrook, Conn., assignor to Rand Inc., New York, N. Y. Perforating a punch. 2,642,940, June 23.

Braun, Karl J., Glenbrook, Conn., assignor to Rand Inc., New York, N. Y. Positive cam print mechanism. 2,658,447, Nov. 10.

Braun, Leo, assignor to Dominion Bridge Com ited, Montreal, Quebec, Canada. Welding 2,655,585, Oct. 13.

Braun, Lucien, assignee: *See*—
Margand, Louis.

Braun, Philip N., assignor to Textile Markin Co. Inc., Syracuse, N. Y. Combination tag printing machine. 2,658,448, Nov. 10.

Braun, Ottwin L., Pittsburgh, assignor to Rei Products Company, McKeesport, Pa. Fur 2,645,211, July 14.

Braunlich, Frank H., Jr.: *See*—
Cardwell, Paul H., and Braunlich.

Braunlich, Richard H.: *See*—
Richeter, George A., Jr., and Braunlich.

Braunsdorff, Reginald K., East Orange, assignor to Tung-Sol Electric Inc., Newark, N. J. Sealed lighting unit and method of manufacture. 2,644,100, June 30.

Braunstein, Raymond, Jr.: *See*— Waber, Donald, and Braunstein.

Braunwalder, John, Glendale, and E. Meyer, Los Angeles, Calif., said Braunwalder assignor to said Meyer. Food chopper. 2,664,128, Dec. 29.

Brawley, Clyde H., Hanford, assignor, by mesne assignments, to Brawley Pump Company, San Gabriel, Calif. Rotary pump. 2,635,548, Apr. 21.

Brawley Pump Company, assignee: *See*— Brawley, Clyde H.

Bray, Frederick H.: *See*— Hartley, George C., Bray, and Hough.

Bray, Frederick H., G. C. Hartley, and D. S. Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electrical storage of information on gas-filled tubes. 2,638,506, May 12.

Bray, Frederick H., M. T. Wilson, D. H. Ormrod, and S. G. W. Johnstone, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Dual-use register sender. 2,651,680, Sept. 8.

Bray, Malcolm D., Noblesville, assignor to Eli Lilly and Company, Indianapolis, Ind. Stable antibiotic solutions. 2,643,998, June 30.

Bray, Peter E.: *See*— Westbury, Roy, Bray, and Packenham.

Bray, Ralph, West Lafayette, and K. Lark-Horovitz, assignors to Purdue Research Foundation, Lafayette, Ind. Radiant energy detecting method and apparatus. 2,650,311, Aug. 25.

Braybrook, Ronald F.: *See*— Newman, Edward A., Davies, and Braybrook.

Brayman, George D., Ashtabula, Ohio, and E. K. Lotthammer, Jamaica, N. Y., said Lotthammer assignor to said Brayman. Electric lamp socket. 2,648,049, Aug. 4.

Braymer, Lawrence E., Lahaska, Pa. Reflecting telescope with auxiliary optical system. 2,628,529, Feb. 17.

Braymer, Lawrence E., Lahaska, Pa. Telescope. 2,649,791, Aug. 25.

Brazell, John J., assignor to E. L. Thompson Chair Corporation, Baldwinsville, Mass. Combined high chair and walker. 2,625,203, Jan. 13.

Brazell, Thomas P., St. Louis, Mo. Remote-control pedal operating device. 2,649,814, Aug. 25.

Brazier, Marion D., San Gabriel, assignor to Petroleum Engineering Associates, Inc., Pasadena, Calif. Permeability test container. 2,662,395, Dec. 15.

Bready, William M., Milwaukee, Wis. Heat exchange apparatus for liquids containing solids. 2,651,508, Sept. 8.

Breakstone Bros., Inc., assignee: *See*— Clauss, Robert W.

Breaux, Neil T., Houston, Tex. Sealing means for well packers. 2,632,515, Mar. 24.

Breazeale, Francis B., Hendersonville, assignor to American Enka Corporation, Enka, N. C. Thread winding apparatus. 2,657,868, Nov. 3.

Breazeale, William M., assignor to Institute of Textile Technology, Charlottesville, Va. Method and apparatus for measuring moisture content. 2,659,860, Nov. 17.

Brechner, Hyman, Tuckahoe, N. Y. Holder for assembled sheets. 2,647,765, Aug. 4.

Breckenridge, Frank, assignor to Automatic Washer Company, Newton, Iowa. Locking device for retractable tub washers. 2,628,148, Feb. 10.

Breckenridge, Frank, Newton, Iowa. Retractable washer in cabinet. 2,630,000, Mar. 3.

Breckheimer, Raymond J., assignor to Air Filter Corporation, Milwaukee, Wis. Air filter. 2,653,676, Sept. 29.

Brecknell, Munro & Rogers Limited, assignee: *See*— Dolman, Henry J.

Brckovich, Joseph N., Gary, Ind. Auxiliary spring device for motor vehicles. 2,657,042, Oct. 27.

Breco Manufacturing Company, assignee: *See*— Hanna, Glenn E.

Brede, Erwin F., Detroit, Mich. Electric lamp stand. 2,630,538, Mar. 3.

Breden, Calvin R.: *See*— Bendix, Gordon H., and Breden.

Bredtschneider, Kurt B., Chicago, Ill., and H. Schappert, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Liquid level indicator. 2,633,021, Mar. 31.

Bredtschneider, Kurt B., Chicago, Ill., assignor to the United States of America as represented by the Secretary of the Interior. Pressure releasing device. 2,633,151, Mar. 31.

Brecomin (England) Limited, assignee: *See*— Godeck, John E.

Breed, Carroll M., Orlando, Fla. Smoking pipe. 2,635,610, Apr. 21.

Breeden, Francis C., and L. C. Eisaman, Flushing, N. Y., assignors to Sylvania Electric Products Inc. Traveling wave tube. 2,660,690, Nov. 24.

Breeden, James R., Madisonville, Ky. Apparatus for widening roadways. 2,660,937, Dec. 1.

Breedlove, Harry B., Baton Rouge, La., assignor to Standard Oil Development Company. Liquid level indicating device. 2,648,058, Aug. 4.

Breedlove, Harry B., Baton Rouge, La. Variable ratio controller. 2,632,456, Mar. 24.

Breen, Lloyd S., New Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company. Ball retarder. 2,627,409, Feb. 3.

Breese Burners, Inc., assignee: *See*— Breese, James L.

Breese, James L., assignor to Breese Burners, Inc., Santa Fe, N. Mex. Burner for immersion heaters. 2,642,129, June 16.

Breeze, George E., Saugus, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Control compass with universal drive. 2,634,316, Apr. 7.

Breeze, George E., and R. I. Mason, Waterford, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Control compass. 2,644,243, July 7.

Breeze, James, Stewart Manor, N. Y. Container key. 2,656,065, Oct. 20.

Breeze Corporations, Inc., assignee: *See*— Sprigg, Edward A.

Bregar, Joseph C.: *See*— Balde, John W., Bregar, and Chapman.

Brehm, Charles M., assignor to The Steel Products Engineering Company, Springfield, Ohio. Tube cutting die. 2,627,921, Feb. 10.

Brehm, Howard E., assignor to Perfection Stove Company, Cleveland, Ohio. Combined surface and deep well cooker. 2,630,518, Mar. 3.

Brehm, John B., Washington, D. C. Enema nozzle and dilator. 2,630,805, Mar. 10.

Breidert, G. C., Co., The, assignee: *See*— Breidert, George M.

Breidert, George M., La Cresenta, assignor to The G. C. Breidert Co., Los Angeles, Calif. Smoke siphoning ash tray. 2,644,467, July 7.

Breier, Marcus, assignor to Marcus Breier Sons, Inc., Amsterdam, N. Y. Slide fastener construction. 2,638,650, May 19.

Breier, Marcus, Sons, Inc., assignee: *See*— Breier, Marcus.

Breimer, Sytze: *See*— Boterweg, Dirk, Breimer, and Robeer.

Breitenbucher, Edward E., assignee: *See*— Campodonico, John J.

Breitner, Stephan: *See*— Timmler, Helmut, Andersag, and Breitner.

Breitzke, Alfred, Rockford, Ill. Knife handle construction. 2,651,106, Sept. 8.

Breivogel, Philip J.: *See*— Sondern, Clarence W., and Breivogel.

Bréjoux, Roger L.: *See*— Delamarre, Emile J., and Bréjoux.

Brekle, Oliver R., assignor to M and B Metal Products Company, Birmingham, Ala. Machine for forming wire garment hangers. 2,646,085, July 21.

Brendel, Armin G., Suffern, assignor to American Cyanamid Company, New York, N. Y. Apparatus for spray drying. 2,644,516, July 7.

Brendel, Raymond J., assignor of forty percent to J. Cantor, Buffalo, N. Y. Dry wall construction. 2,643,423, June 30.

Brendle, John A.: *See*— Hensgen, Bernard T., and Brendle.

Breneman, Chas. W., Co., The, assignee: *See*— Judd, Charles M.

Brennan, Elmer W., assignor to The Pure Oil Company, Chicago, Ill. Sulfurizing terpene hydrocarbons. 2,643,248, June 23.

Brennan, John E., Chicago, Ill. Denture retainer. 2,644,231, July 7.

Brennan, Joseph B., Bratenahl, Ohio. Metallizing gun. 2,648,567, Aug. 11.

Brennan, Joseph B., Cleveland, Ohio. Acoustic diaphragm with flexible rim portion and rigid body portion. 2,624,417, Jan. 6.

Brennan, Joseph B., Cleveland, Ohio. Storage battery electrode and making. 2,626,294, Jan. 20.

Brennan, Joseph B., Cleveland, Ohio. Condenser with supplemental sealing member therein. 2,627,538, Feb. 3.

Brennan, Joseph B., Cleveland, Ohio. Formation of metal strip under controlled pressures. 2,639,490, May 26.

Brennan, Joseph B., Cleveland, Ohio. Loud-speaker diaphragm and mounting. 2,640,556, June 2.

Brennan, Joseph B., Cleveland, Ohio. Storage battery. 2,640,865, June 2.

Brennan, Joseph B., Cleveland, Ohio. Anode for electrolytic condensers. 2,648,119, Aug. 11.

Brennan, Joseph B., Cleveland, Ohio. Plates adapted for use in electrolytic devices. 2,653,119, Sept. 22.

Brennan, Joseph B., Cleveland, Ohio. Storage battery electrode. 2,662,928, Dec. 15.

Brennan, Raymond F., Attleboro, Mass. Magnetic attaching means for ornamental objects. 2,659,169, Nov. 17.

Brenner, Abner, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of War. Electroforming gun barrels and liners. 2,636,849, Apr. 28.

Brenner, Abner, Chevy Chase, Md., and P. Burkhead, Bethlehem, Pa., assignors to the United States of America as represented by the Secretary of War. Methods of and baths for electrodepositing cobalt or cobalt-molybdenum alloys. 2,653,127, Sept. 22.

Brenner, Abner, Chevy Chase, Md., P. S. Burkhead, Bethlehem, Pa., and C. A. Sentel, Herndon, Va., assignors to the United States of America as represented by the Secretary of War. Method of and bath for electrodepositing tungsten alloys. 2,653,128, Sept. 22.

Brenner, Abner, Chevy Chase, D. E. Couch, Hyattsville, Md., and E. K. Williams, Charlottesville, Va., assignors to the United States of America as represented by the Secretary of the Army. Electrodeposition of phosphorus-nickel and phosphorus-cobalt alloys. 2,643,221, June 23.

Brenner, Abner, Chevy Chase, Md., and D. E. Couch, Washington, D. C., assignors to the United States of America as represented by the Secretary of Commerce. Electrodeposition of aluminum from nonaqueous solutions. 2,651,608, Sept. 8.

Brenner, Henry G., Michigan City, Ind., assignor to Josam Manufacturing Company, Cleveland, Ohio. Outlet for grease separators and the like. 2,642,995, June 23.

Brenner, Ralph F., and P. D. Dilliard, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio. Making annealed copper ruby glass articles. 2,653,419, Sept. 29.

Brennish, John, Philipsburg, Pa. Protecting shield or towel. 2,654,092, Oct. 6.

Brensike, Harold R.: *See*— Brensike, Walter L., and H. R.

Brensike, Walter L., Appleton, and H. R. Brensike, New London, Wis. Ladder bracket. 2,637,517, May 5.

Brent, George F.: *See*— Brent, Margaret E. and G. F.

Brent, Margaret E. and G. F., Pittsburgh, Pa. Garment. 2,638,594, May 19.

Brent, Walter: *See*— Nussbaum, Walter.

Brenton, George, Corona, N. Y. Fumbleless lamp switch. 2,654,817, Oct. 6.

Brereton, Gilbert, Toronto, Ontario, Canada, assignor to Elmar Corporation, New York, N. Y. Ramie processing apparatus. 2,624,918, Jan. 13.

Bress, Myer, assignor to Marlin Electric Company, Chicago, Ill. Fishing line and plug retriever. 2,627,691, Feb. 10.

Bressler, Louis R., Southampton, Mass. Toothbrush. 2,631,320, Mar. 17.

Bressler, Louis R., Southampton, Mass. Toothbrush with a flexible head. 2,650,383, Sept. 1.

Bretschneider, Otto, assignor to Deutsche Gold-und Silber-Scheideanstalt vormals Roessler, Frankfurt am Main, Germany. High-temperature electric furnace and operation. 2,657,247, Oct. 27.

Bretter, Walter, Johannesburg, Transvaal, Union of South Africa. Washing machine. 2,660,045, Nov. 24.

Bretthauer, Hermann, assignor to Franke & Heidecke, Fabrik Photographischer Präzisions-Apparate, Braunschweig, Germany. Focusing hood for photographic cameras. 2,641,955, June 16.

Breuer, Frederick W., Lititz, and D. T. Zentmyer, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Hardened montan wax derivatives. 2,646,436, July 21.

Breukelman, Christian W., Bogota, Columbia. Well formation testing tool. 2,646,127, July 21.

Breul, Fredric W., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimming mechanism for sewing machines. 2,642,020, June 16.

Breunich, Theodore R., Stamford, Conn., assignor to Baldwin-Lima-Hamilton Corporation. Fatigue tester with mean position controller. 2,648,978, Aug. 18.

Brevetti, Walter R., Highland, N. Y. Scooping and measuring utensil. 2,638,668, May 19.

Brewer, Aubrey K.: *See*— Madorsky, Samuel L., and Brewer.

Brewer, Aubrey K., Washington, D. C. Multicellular fractionation column and the like. 2,662,759, Dec. 15.

Brewer, Carl T.: *See*— Scranton, Clifford B., and Brewer.

Brewer, Clarence W., Decatur, Ill. Combination bottle opener and can opener. 2,645,008, July 14.

Brewer, Homer L.: *See*— Launius, Carl E., and Brewer.

Brewer, Nathaniel, Newtown, assignor to Fischer & Porter Company, Hatboro, Pa. Telemetering impedance bridge. 2,662,223, Dec. 8.

Brewer, Reife N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Core blower. 2,661,513, Dec. 8.

Brewer, William L., Jr., Port Townsend, Wash. Tractor with six driven wheels. 2,642,144, June 16.

Brewster, Ernest B., Rochester, N. Y. Label structure. 2,648,924, Aug. 18.

Breyfogle, Roy H., assignor to Alton Box Board Company, Alton, Ill. Primary suction drum assembly. 2,656,768, Oct. 27.

Briam Industrial Corporation, assignee: *See*— De Kadt, Maurits and J.

Brice, Thomas J.: *See*— Simons, Joseph H., Brice, and Pearlson.

Brichard, Edgard: *See*— Henry, Georges L., and Brichard.

Bricker, George D., Des Moines, Iowa. Eyeshade. 2,640,195, June 2.

Bricker, Samuel R., Shelby, Ohio, assignor to We... Electric Corporation, East Pittsburgh, Pa. S... 2,663,100, Dec. 22.

Brickett, Sherman P., Lynn, Mass., assignor ... Electric Company. Oil discharge passage ar... for high-speed bearings. 2,650,671, Sept. 1.

Brickman, A. W., trustee, assignee: *See*— Beadle, Buell W., and Kraybill.

Brickman, Alan E., Worcester, Mass., assignor ... States Steel Corporation. Collapsible ... 2,632,578, Mar. 24.

Brickman, Alan E., Worcester, Mass., assignor ... States Steel Corporation. Boxcar runni... 2,633,211, Mar. 31.

Brickman, Alan E., Worcester, Mass., assignor ... States Steel Corporation. Transload device. ... June 23.

Brickman, Alan E., Worcester, Mass., assignor ... States Steel Corporation. Barbed wire ... 2,660,406, Nov. 24.

Brickner, Frank H., Newport Beach, Calif. ... calculator. 2,659,532, Nov. 17.

Bridevaux, Georges, assignor to Tavannes ... S. A., Tavannes, Switzerland. Lever wound ... 2,652,684, Sept. 22.

Bridge, Walter W., San Francisco, Calif. ... rotating drawer. 2,660,504, Nov. 24.

Bridge, William O., Detroit, assignor to Evan... Company, Plymouth, Mich. Trailer for carry... freight and automobiles. 2,636,772, Apr. 2...

Bridgefield, Guillermo P., Mexico City, Mexico ... current discharge rubber tire. 2,641,294, Ju...

Bridgeport Brass Company, assignee: *See*— Mayer, Charles H. Peltz, Gordon M., and Bovin.

Bridgeport Fabrics, Inc., assignee: *See*— Spraragen, Louis.

Bridgeport Metal Goods Manufacturing Com... assignee: *See*— Moore, Arthur H.

Bridger, Grover L., Ames, Iowa, and H. M. Ch... loon, Hong Kong, assignors to Iowa State ... search Foundation, Inc., Ames, Iowa. Sep... menthol from mint oils by a fractional ... process. 2,662,052, Dec. 8.

Bridges, Jack E., Chicago, Ill., assignor to Ze... Corporation. Television apparatus. 2,628,3...

Bridges, Jack E., Chicago, Ill., assignor to Ze... Corporation. Phase shift oscillating system. ... Dec. 8.

Bridwell, John W., M. M. Coker, and H. M. ... assignors to Caterpillar Tractor Co., Peoria, ... and motor hydraulic system and control ... 2,650,473, Sept. 1.

Briechle, Ambrosius, Brooklyn, assignor to ... Rand Inc., Buffalo, N. Y. Document photogr... chine. 2,642,773, June 23.

Briechle, Joseph, Floral Park, N. Y., assignor ... Manufacturing Company, Waterbury, Conn. ... valve. 2,639,728, May 26.

Brier, James M., Jr., Topeka, Kans. Combi... ment cup and drain plug for internal-com... gines. 2,649,204, Aug. 18.

Brierley, James R., North Augusta, S. C., ... United Merchants and Manufacturers, Inc., ... Del. Means for reproduction of designs. ... Mar. 3.

Brierley, Paul, Birmingham, assignor to Dur... Company Limited, London County, Englan... static apparatus. 2,655,943, Oct. 20.

Brierly, Ralph C., Narberth, Pa. Diffuser. ... Apr. 7.

Brierly, Ralph C., Narberth, Pa. Fuel burn... 2,638,974, May 19.

Brierly, Ralph C., Narberth, Pa. Air co... 2,657,741, Nov. 3.

Briggs, Allan L., assignor to Blackstone ... Jamestown, N. Y. Liquid discharge device ... machines. 2,658,830, Nov. 3.

Briggs, Arthur J., Sutton, Vt., assignor to On... tery Company, Syracuse, N. Y. Pottery ... 2,629,159, Feb. 24.

Briggs, Arthur J., Sutton, Vt., assignor to On... tery Company, Syracuse, N. Y. Water ap... pottery ware jiggers. 2,629,160, Feb. 24.

Briggs, Arthur T., South Williamsport, Pa., ... Avco Manufacturing Corporation, Cincin... Engine starter having combustion chamber s... fuel and combustion supporting medium ... ratio by weight. 2,643,511. June 30.

Briggs Filtration Company, The, assignee: *See*— Marvel, Harvey E.

Briggs, George L., Oneida, assignor to Briggs ... Development, Inc., White Plains, N. Y. ... enhancing the vaporization of a fuel com... flowing fuel-air mixture. 2,661,269, Dec.

Briggs, Harry H., assignee: *See*— Oliver, John G.

Briggs, Henry, East Orange, N. J. Fracture ... vice. 2,628,614, Feb. 17.

Briggs, Janet, Chicago, Ill., now by chan... J. M. Troxell. Maternity garment. 2,638,...

Briggs, John R.: *See*— Sayko, Andrew F., and Briggs.

Briggs Manufacturing Co., assignee: *See—*
Hosking, Thomas W.
Lauer, Rodney E., and Doty.
McKitrick, Edward R.
Vigmostad, Trygve.
Weymouth, Lawrence B.
Zummach, Karl G.

Briggs Research & Development, Inc., assignee: *See—*
Briggs, George L.

Briggs-Shaffner Company, assignee: *See—*
Harris, Samuel A., and Sinquefield.

Briggs, Southwick W., Bethesda, Md. Bonded filter block, its preparation and use. 2,635,991, Apr. 21.

Briggs, Stanley M., Pacific Palisades, Calif. Dispensing attachment for food container cans. 2,638,249, May 12.

Briggs & Stratton Corporation, assignee: *See—*
Harkness, Joseph R.
Jacobi, Edward N.

Briggs, Thomas R.: *See—*
Moulton, Joseph D., Schweitzer, and Briggs.

Brigham, Ward E.: *See—*
Young, Andrew P., and Brigham.

Bright, Cooper B., U. S. Navy. Hydraulic drive internal-combustion engine. 2,661,592, Dec. 8.

Bright, Harold T., Elmhurst, assignor to King Pneumatic Tool Company, Chicago, Ill. Control means for power lawn mowers. 2,641,889, June 16.

Bright, Wilfred, Toledo, Ohio. Ratchet tool with angularly adjustable handle. 2,656,865, Oct. 27.

Bright, Willard M., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Polyethylene film and preparing same. 2,631,954, Mar. 17.

Brightman, William S., St. Petersburg, Fla. Dress shield. 2,654,888, Oct. 13.

Brill, Otto H., and F. Solomon, assignors to Yardney International Corp., New York, N. Y. Electrode for electric batteries and making same. 2,654,795, Oct. 6.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Power plant. 2,625,145, Jan. 13.

Brillhart, William O., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Moistureproofing of nonfibrous cellulosic material. 2,650,172, Aug. 25.

Brillhart, William O., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Rendering regenerated cellulose resistant to sticking and article produced. 2,658,843, Nov. 10.

Brin, Harris: *See—*
Barnett, Louis H., and Brin.

Briner, William M.: *See—*
Offutt, George, and Briner.

Briney, James W., assignee: *See—*
Briney, Ottis R., Jr.

Briney, Ottis R., Jr., Pontiac, Mich. Boring tool. 2,643,556, June 30.

Briney, Ottis R., Jr., Pontiac, Mich., assignor of one-half to J. W. Briney. Machine tool spindle. 2,655,414, Oct. 13.

Briney, Ottis R., Jr., Pontiac, Mich., assignor of one-half to J. W. Briney. Ball bearing. 2,655,415, Oct. 13.

Briney, Ottis R., Jr., Pontiac, Mich., assignor of one-half to J. W. Briney. Adjustable coupling. 2,660,463, Nov. 24.

Brink, Edwin H., assignor to Masonite Corporation, Laurel, Miss. Roller coating machine for rigid sheet material. 2,642,030, June 16.

Brink, Norman G.: *See—*
Konluszy, Frank R., Brink, and Folkers.

Brink, Raymond J., St. Paul, and C. W. Tunstead, Minneapolis, assignors to Brinktun Company, St. Paul, Minn. Outboard motor stand. 2,658,703, Nov. 10.

Brink, Richard E., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Device for dressing coated abrasive belts. 2,646,654, July 28.

Brink, Robert M., assignor to Deering Milliken Research Trust, Greenwich, Conn. Tensiometer. 2,661,623, Dec. 8.

Brink, Theodore R.: *See—*
Beaudry, George D., Longdon, and Brink.

Brinkley, Blaine R., Bluefield, Va. Dust collector for overhead drilling. 2,634,952, Apr. 14.

Brinkley, James R., Elk Grove, Calif. Work-centering vise having toggle-locked pivoted jaw. 2,645,961, July 21.

Brinkman, Alan E.: *See—*
Angus, Max R., and Brinkman.

Brinkman, Earl W., Gates, assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y. Punching method and tool. 2,661,663, Dec. 8.

Brinkman, Elwood G., Alameda, Calif. Dispensing container with nondetachable threaded cap and neck, and with registrable dispensing apertures. 2,653,735, Sept. 29.

Brinkman, Roy A., Oak Park, Ill., assignor to Construction Aggregate Corporation. Positioning apparatus for dredge pipes. 2,651,122, Sept. 8.

Brinkmann To Broxten, Rudolf, Frankfurt am Main, Germany. Selector device for card indexes. 2,647,519, Aug. 4.

Brinkoeter, Paul H., assignor to Ed Friedrich, Inc., San Antonio, Tex. Open front self-service refrigerator. 2,625,799, Jan. 20.

Brinkoeter, Paul H., assignor to Ed Friedrich, Inc., San Antonio, Tex. Open front refrigerated cabinet. 2,637,982, May 12.

Brinktun Company, assignee: *See—*
Brink, Raymond J., and Tunstead.

Brinnick, Frederick E.: *See—*
Frost, Frederick H.
Frost, Frederick H., and Brinnick.

Brinson, Harry A., Sidney, and T. G. Brady, Oneonta, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus and making same. 2,651,298, Sept. 8.

Brinson, R. L., Company, assignee: *See—*
Fulton, Joel B.

Brion, Benjamin W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic relay. 2,633,488, Mar. 31.

Brisbane, Alan D.: *See—*
Beck, Arnold H. W., Cutting, and Brisbane.

Briscoe, Elmer G., Fresno, Calif. Adjustable mount for tool bars. 2,644,694, July 7.

Briscoe, Ernest V., Kerman, Calif. Ditch cleaner and ridger. 2,640,286, June 2.

Briscoe, Ernest V., assignor to E. V. Briscoe & Son, Kerman, Calif. Automatic control mechanism for cotton harvesters. 2,660,015, Nov. 24.

Briscoe, Ernest V., Kerman, Calif. Stabilizing sled for ditchers. 2,662,614, Dec. 15.

Briscoe, E. V., & Son, assignee: *See—*
Briscoe, Ernest V.

Briscoe, William F. R., and V. H. Berry, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Stone-ejecting tire tread. 2,637,362, May 5.

Brisken, Walter R., Dayton, Ohio, and F. J. Neugebauer, Schenectady, N. Y. Air cycle water cooler. 2,664,001, Dec. 29.

Brissey, George E., assignor to Swift & Company, Chicago, Ill. Bacon canning. 2,627,473, Feb. 3.

Brisson, John R., W. O., and L. W., Norway, Mich. Front or rear-end truck loader. 2,643,011, June 23.

Brisson, Leslie W.: *See—*
Brisson, John R., W. O., and L. W.

Brisson, Louis C., Vineuil, France. Brake. 2,651,384, Sept. 8.

Brisson, Walter O.: *See—*
Brisson, John R., W. O., and L. W.

Brister, Paul M., Madison, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid mixing and separating apparatus. 2,661,075, Dec. 1.

Brister, Paul M., Madison, N. J., and L. F. Kooistra, Akron, Ohio, assignors to The Babcock & Wilcox Company, New York, N. Y. Welded joint of dissimilar metals. 2,639,363, May 19.

Bristol Aeroplane Company Limited, assignee: *See—*
Marchant, Francis C. I. and Bell.
Owner, Frank M.

Bristol Aeroplane Company Limited, The, assignee: *See—*
D'Assis Fonseca, Evelyn C. M.
Fortescue, Peter.
Hafner, Raoul.
Marchant, Francis C. I.
Massey, Bernard S., Quinn, Allen, and Warner.

Bristol Company, The, assignee: *See—*
Blakeslee, Clinton A.
Hall, John I.
Maltby, Frederick L.
Russell, John L.
Titus, Robert M.

Bristol, Edward S., assignor to Leeds and Northrup Company, Philadelphia, Pa. Multiple unit control system. 2,657,347, Oct. 27.

Bristol, John E., Niagara Falls, W. A. Harrington, Wilson, and N. Turnbull, Grand Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion polymerization of vinyl acetate. 2,662,863, Dec. 15.

Bristol, John E., Niagara Falls, and N. Turnbull, Grand Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Emulsion polymerization of vinyl acetate. 2,662,866, Dec. 15.

Bristol Laboratories, assignee: *See—*
Speeter, Merrill E.

Bristol Laboratories Inc., assignee: *See—*
Cheney, Lee C.
Cooper, Douglas E., and Cheney.
McDuffie, Harold F., Jr., and Cooper.
Speeter, Merrill E.
Staab, Frank W., and Kolbas.
Wheatley, William B.

Bristol Machine Tool Company, Inc., The, assignee: *See—*
De Note, Frank J.

Bristol-Myers Company, assignee: *See—*
Brown, James D.

Bristol Steel & Iron Works, Inc., assignee: *See—*
Ferguson, Robert O.

Bristol Tool Machine Company, Inc., The, assignee: *See—*
De Note, Frank J.

Bristow, Claude A., Denver, Colo. Metal awning. 2,629,904, Mar. 3.

Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,627,740, Feb. 10.

British Brehmer Limited, assignee: *See—*
Cuthbert, William J.

British Cast Iron Research Association, The, assignee: *See—*
Morrogh, Henton.

British Celanese Limited, assignee: *See—*
Bate, Stanley C., Peach, and Rogerson.
Brown, Russell J., Downing, and Groombridge.
Downing, John, and Drewitt.
Ewing, Henry.
Fisher, James W., Bates, and Wheatley.
Fisher, James W., Wheatley, and May.
Gentle, Alexander H., and Jackson.
Hodge, Arthur, Drewitt, and Downing.
Johnson, Edgar B., and Webster.
Stanley, William E., and Brown.
Taylor, Matthew M.
Taylor, William I., and Hawtin.
Thomas, Edward, Boaden, and Alcock.
Upton, Edward J.
Whigham, George H., and Miller.

British Enka Limited, assignee: *See—*
Stone, Eliot, Sparke, and Muldowney.

British Glues and Chemicals Limited, assignee: *See—*
Chayen, Israel H.

British Industrial Plastics Limited, assignee: *See—*
Groves, Walter R.
Rolaston, Norman.

British Industrial Solvents Limited, assignee: *See—*
Lacey, Richard N.

British Insulated Callender's Cables Limited, assignee: *See—*
Ripley, Stanley W.

British Nylon Spinners Limited, assignee: *See—*
Aickin, Robert G., and Munden.

British Overseas Airways Corporation, assignee: *See—*
Carreyette, Jack.

British Oxygen Company Limited, The, assignee: *See—*
Ellinger, Leo P.
Haworth, John W., and Cooper.
Sargent, Roger W. H.
Schuftan, Paul M.
Webster, Thomas J.

British Plaster Board Limited, The, assignee: *See—*
Blair, Robert C.

British Resin Products Limited, assignee: *See—*
Evans, Edward M., and Whitney.
Evans, Edward M., Bradshaw, and Whitney.
Sullivan, Robert, Glendinning, and Read.

British Tabulating Machine Company Limited, The, assignee: *See—*
Bowyer, Aldred W., and Cartwright.
Routledge, Christopher A., and Keen.

British Telecommunications Research Limited, assignee: *See—*
Beaufoy, Raymond.
Bell, David A.
Bellairs, Guy f., and Ireland.
Gaite, Harold D.
Terlecki, Renat.

British Thomson-Houston Company Limited, The, assignee: *See—*
Melville, William S., and Jackson.

British Tube Mills (Australia) Proprietary Limited, assignee: *See—*
Higgs, John B.

British Vacuum Cleaner and Engineering Company Limited, The, assignee: *See—*
Brown, Ivan G. O.

British Vacuum Flask Company Limited, The, assignee: *See—*
Hassid, Maurice A., and Venis.

Britt, Bryant L., Webster Groves, assignor to Wagner Electric Corporation, St. Louis, Mo. Delayed-action control for industrial brakes. 2,631,266, Mar. 10.

Britt, Edwin H., Raleigh, N. C., assignor, by mesne assignments, to Harris Foundry and Machine Company, Cordele, Ga. Automatic crate loading machine. 2,644,626, July 7.

Britt, Fred R., Chattanooga, Tenn. Safety covering for tie-rod ends. 2,657,945, Nov. 3.

Britt, Robert J.: *See—*
Seaver, Fred H., and Britt.

Brittain, Richard J., Jr., Berkeley Heights, N. J., assignor to General Motors Corporation, Detroit, Mich. Railroad journal box. 2,643,163, June 23.

Britten, Edwin F., III, Short Hills, N. J. Grass trimmer and edger. 2,660,847, Dec. 1.

Britten, Leslie F., Oxhey, Watford, R. O. Jenkins, Wembley, and J. Moss, North Wembley, assignors to The General Electric Company Limited, London, England. Dispersed getter element and manufacture thereof. 2,624,450, Jan. 6.

Britton, Edgar C.: *See—*
Sexton, Arthur R., and Britton.
Vander Weele, John C., Britton, and White.

Britton, Edgar C., F. N. Alquist, and K. C. Kauer, assignors to The Dow Chemical Company, Midland, Mich. Catalyzed and continuous addition chlorination of benzene. 2,628,260, Feb. 10.

Britton, Edgar C., and P. S. Petrie, assignors to The Dow Chemical Company, Midland, Mich. Condensation products of styrene oxide with alkylene oxides and making the same. 2,641,614, June 9.

Britton, Edgar C., and J. D. Head, assignors to The Dow Chemical Company, Midland, Mich. Proc
saligenin derivatives. 2,646,446, July 21.

Britton, Owen, Versailles, Ky. Stand for hol
tian blinds. 2,634,450, Apr. 14.

**Brixius, Jacob K., Cleveland, and C. W. Sa
Euclid, assignors to Air-Maze Corporation,
Ohio.** Support for charging electrodes for e
filters. 2,660,260, Nov. 24.

Brizzee, Delfou B., Pinedale, Calif. Time cor
anism. 2,630,501, Mar. 3.

**Brizzolara, Robert T., New Dorp, assignor to C
Inc., New York, N. Y.** Compact refrigerati
vehicles using ice for condensing volatile r
2,651,183, Sept. 8.

**Broadbent, John H., Washington, D. C., and
Takoma Park, Md., assignors to the Unite
America as represented by the Secretary of**
400 cycle electrohydraulic steering system
missiles. 2,644,124, June 30.

**Broadbent, William B., and B. H. Sing, Harts
assignors to Sonoco Products Company**
2,659,547, Nov. 17.

Broadhurst, Jack M.: *See—*
Streed, David D. M., and Broadhurst.

**Broadway, Leonard F., Ickenham, N. C. Barf
end, and A. F. Pearce, Hampton Hill, assign
tric & Musical Industries Limited, Hayes**
Electron tube structure for the production
beams of electrons. 2,647,220, July 28.

Broadwell, Herbert S.: *See—*
Peterson, Robert H., and Broadwell.

Broady, Elza E.: *See—*
Hennike, Anthony J., Morris, and Broady

Broady, Francis V., South Gate, Calif. Ap
retrieving fishing tackle or the like. 2,642,6

Broady, Paul A., Greenville, S. C. Liquid fue
the retort vaporizing type. 2,627,908, Fe

Broady, Paul A., Greenville, S. C. Pan type
2,658,568, Nov. 10.

Broberg, Elmer E.: *See—*
Larson, Walter G., and Broberg.

Broberg, Fred E., Racine, Wis. Butcher bloc
machine. 2,640,514, June 2.

**Broberg, Georg K. J., Solna, assignor to A
Flaktfabriken, Stockholm, Sweden.** Deflect
tilating grills. 2,655,093, Oct. 13.

**Broberg, Georg K. J., Solna, assignor to A
Fläktfabriken, Stockholm, Sweden.** Air s
2,655,857, Oct. 20.

Broberg, Robert E.: *See—*
Todd, Bryan J., Turner, and Broberg.

Brock, C R Buddy: *See—*
Mize, Pete, and Brock.

Brock, Charles F., assignee: *See—*
Lowther, Mary T., and McKinstry.

**Brock, Clarence A., and T. R. Hunter, assigno
Parry Corporation, Toledo, Ohio.** Muffler
2,632,526, Mar. 24.

Brock, Glenn C.: *See—*
Humphreys, Robert L., Brock, and Reyno

Brock, Gordon L., Springfield, Mass. Slide p
paratus. 2,653,512, Sept. 29.

**Brock, Harold L., Detroit, assignor to Ford
pany, Dearborn, Mich.** Farm tractor.
Jan. 6.

Brock, Harvey, Carrollton, Ga. Tractor-mou
ing implement. 2,641,210, June 9.

Brock, Irvin A., assignee: *See—*
Hill, Glenn E.

Brock, Lynmar, Philadelphia, Pa. Container
therefor. 2,630,244, Mar. 3.

Brock & Rankin, assignee: *See—*
Hildmann, William B.

**Brock, William H. J., assignor of one-half to
Products Company Limited, Leamington S**
Sealing device for fluid pressure apparatus
Mar. 17.

**Brock, William P., and C. Neal, Lancaster, S.
to The Springs Cotton Mills.** Stop motion
for looms. 2,639,734, May 26.

Brockel, William E.: *See—*
Evans, George W., Jr., and Brockel.

Brockelsby, Wayne, Prospect, Pa. Exhaust r
2,630,748, Mar. 10.

Brockett, Halford E.: *See—*
Maier, Curtis E., Brockett, and Larson.

**Brockman, Earl H., W. B. Allison, M. M.
K. S. Ovregaard, Caldwell, Idaho, and C.
Wilmington, Calif., assignors to Idaho Eg
Caldwell, Idaho.** Horizontal topper
2,634,570, Apr. 14.

**Brockman, Emory W., Hartsville, assignor
matic Corporation, Bala-Cynwyd, Pa.** Ad
support device for exercising machines
June 9.

**Brockman, Emory W., Hartsville, assignor t
tic Corporation, Bala-Cynwyd, Pa.** Attach
ercising machines. 2,641,250, June 9.

**Brockman, Emory W., Hartsville, assignor t
tic Corporation, Bala-Cynwyd, Pa.** Att
exercising machines. 2,641,251, June 9.

Brockman, Ray E., Chicago, Ill., assignor to Frabill Manufacturing Company, Milwaukee, Wis. Ice fishing tip-up. 2,651,875, Sept. 15.

Brockman, William D., Pomeroy, Wash. Rotary control oil or grease distributor. 2,628,636, Feb. 17.

Brockmeier, John L., St. Louis, Mo. Automobile bed for juveniles. 2,631,304, Mar. 17.

Brockway, Scott A., Venice, Calif. Table shrine. 2,657,966, Nov. 3.

Brockway, Wilhelm W.: *See*—
Borsum, Adolph W., and Brockway.

Brockway, William W., and D. G. Shearer, Los Angeles, Calif. Radio navigation system. 2,650,359, Aug. 25.

Brod, John S., Wyoming, Ohio, and R. A. Henry, Inyokern, Calif., assignors to The Procter & Gamble Company, Cincinnati, Ohio. Washing agents. 2,626,264, Jan. 20.

Broda, Joseph, Toronto, Ontario, Canada. Cigarette case. 2,635,741, Apr. 21.

Brodbeck, Almer H., Webster Groves, Mo., assignor to Magic Chef, Inc. Food conditioner for cooking ranges. 2,641,679, June 9.

Brodbeck, Almer H., St. Louis, Mo., assignor to Magic Chef, Inc. Gas burner having partitioned outlet ports. 2,646,112, July 21.

Brodell, Nathan H., Canton, assignor, by mesne assignments, to W. Isler, Cleveland Heights, Ohio. Descaling ferrous metals. 2,632,718, Mar. 24.

Broderick, Frank W., Summit, N. J., assignor to Berles Carton Company, Inc. One-piece covered container. 2,637,482, May 5.

Broderick, John J.: *See*—
Berlyn, Martin J., and Broderick.

Brodersen, Einar: *See*—
Almström, Knut, Garde, Hedström, and Brodersen.

Brodeske, John J., Joliet, Ill. Dump car for inclined tracks. 2,655,276, Oct. 13.

Brodhacker, John W.: *See*—
Stengel, Leonard A., and Brodhacker.

Brodheim, Morris, Philadelphia, Pa. Adjustable hose clamp. 2,641,817, June 16.

Brodhun, John H., Birmingham, Mich. Machine tool of the screw machine type. 2,657,453, Nov. 3.

Brodie, James H., Baltimore, Md. Hydraulic braking apparatus. 2,632,301, Mar. 24.

Brodie, Ralph N., Company, assignee: *See*—
Berck, William F.

Brodine, Norman K., Rochester, N. Y. Infant's bathing device. 2,645,442, July 14.

Broding, Robert A., Dallas, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Magnetic induction well-logging instrument. 2,625,583, Jan. 13.

Broding, Robert A., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Electrical resistivity logging of mud invaded formations. 2,654,064, Sept. 29.

Brodrib, William A., Hartford, Conn. Ambulatory animal toy. 2,663,970, Dec. 29.

Brodtmann, Walter B., New Orleans, La. Visible record device. 2,642,832, June 23.

Brody, Arthur, Newark, N. J. Protective book cover. 2,641,484, June 9.

Brody, David, assor. to Van Brode Milling Co., Inc., Clinton, Mass. Dispenser for liquids and pulverulent. 2,627,363, Feb. 3.

Brody, David, assignor to Van Brode Milling Co., Inc., Clinton, Mass. Sealing strip severing machine. 2,641,318, June 9.

Brody, Harry and J., Brooklyn, and J. F. Hart, New York, N. Y. Support for weighing scales. 2,629,573, Feb. 24.

Brody, Jacob: *See*—
Brody, Harry and J., and Hart.

Brody, Samuel C., Cambridge, Mass. Picture frame and support. 2,636,702, Apr. 28.

Brody, Samuel M., New York, N. Y. Window awning. 2,642,133, June 16.

Broekhuysen, William C., Brooklyn, N. Y. Thermostat. 2,664,483, Dec. 29.

Broeren, Frank L., Neenah, assignor to Marathon Corporation, Rothschild, Wis. Dispensing package. 2,624,521, Jan. 6.

Broeren, Frank L., Neenah, A. S. Kruger, Green Bay, and V. C. Jones, Appleton, assignors to Marathon Corporation, Rothschild, Wis. Cabinet for dispensing sheet material. 2,643,070, June 23.

Broersma, J. Charles, Kalamazoo, assignor to Clark Equipment Company, Buchanan, Mich. Material handling apparatus. 2,645,372, July 14.

Broetzler, Gustav A.: *See*—
Mashburn, William O., Jr., Broetzler, and Kinnaird.

Brogdex Company, assignee: *See*—
Lehman, Rodney L.
Tucker, Frank P.

Brogren, Axel V., assignor to Parsons Corporation, Detroit, Mich. Battery hold-down frame and forming same. 2,657,756, Nov. 3.

Bröhl, August: *See*—
Leitz, Ernst, Jr., Engelmann, and Bröhl.
Wagner, Adam, Bröhl, and Jung.

Broido, Daniel, Barnet, England. Transfer mechanism for calculating machines. 2,628,029, Feb. 10.

Broido, Daniel, Barnet, England. Calculating machine. 2,644,638, July 7.

Broïdo, Jacques, Carouge-Geneva, Switzerland. Footage indicator for motion-picture cameras. 2,641,059, June 9.

Broiles, A. P., assignee: *See*—
Ball, James W.

Brokaw, Charles A.: *See*—
Collins, Charles P., and Brokaw.

Brolin, Anders H., H. A. W. Kamholtz, and B. E. Blanchard, assignors to Northwest Engineering Corporation, Green Bay, Wis. Excavating dipper. 2,652,940, Sept. 22.

Bromberg, Robert, and W. L. Martin, Los Angeles, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. X-ray densitomer. 2,659,012, Nov. 10.

Bromley, Frank, Swarthmore, Pa., assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Textile printing roll. 2,627,228, Feb. 3.

Bromley, Richard N., Philadelphia, Pa., assignor to The Sperry Corporation. Automatic speed control system. 2,626,767, Jan. 27.

Bronle, Norman R., assignee: *See*—
Battle, Wingate.

Bronish, Arthur H., assignor of fifty per cent to C. C. Holland, Van Nuys, Calif. Safety razor with extra blade. 2,658,271, Nov. 10.

Bronson, Frederic L., Coplague, assignor to Raylite Electric Corp., Bronx, N. Y. Christmas tree bell ringing instrument. 2,663,013, Dec. 15.

Bronson, Lawrence E., Glendive, Mont. Stepladder. 2,662,680, Dec. 15.

Bronson, Randolph F., Jamaica, N. Y. Double-acting collet. 2,631,860, Mar. 17.

Bronson, Robert U., Eugene, Oreg. Game apparatus. 2,627,412, Feb. 3.

Bronstein, Harry: *See*—
Shmukler, Albert, and Bronstein.

Bronstein, Harry, Brooklyn, N. Y. Circumcision instrument. 2,646,047, July 21.

Bronstien, Edward L., St. Paul, Minn., and J. N. Woodington, Chicago, Ill., assignors to United States Bedding Co., St. Paul, Minn. Spring assembling machine. 2,625,962, Jan. 20.

Bronstien, Edward L., St. Paul, Minn., and J. N. Woodington, Chicago, Ill., assignors to United States Bedding Co., St. Paul, Minn. Spring assembling machine. 2,625,963, Jan. 20.

Brook, Kenneth, Eastcote, and F. M. Evans, assignors to C. A. V. Limited, London, England. Filter for use in fuel injection pumps. 2,638,227, May 12.

Brook, Leonard, Beeston, Leeds, assignor to The Forgrove Machinery Company Limited, Leeds, Yorkshire, England. Wrapping machine. 2,639,568, May 26.

Brook, Leonard, Beeston, Leeds, assignor to The Forgrove Machinery Company Limited, Leeds, England. Wrapping machine. 2,643,500, June 30.

Brooke, Jesse M., Old Ocean, Tex., assignor to Phillips Petroleum Company. Recovery of heavy metals. 2,653,089, Sept. 22.

Brooker, Leslie G. S.: *See*—
Heseltine, Donald W., and Brooker.
Keyes, Grafton H., and Brooker.
Sprague, Robert H., Brooker, and Dent.

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Azamerocarbocyanine dyes. 2,646,409, July 21.

Brooker, Leslie G. S., and D. W. Heseltine, assignors to Eastman Kodak Company, Rochester, N. Y. Quinoline dyes of the polymethine series and preparation. 2,646,430, July 21.

Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. 2-thiohydantoins containing a carboxyaryl group and preparation. 2,649,459, Aug. 18.

Brookes, Maurice M., and F. E. Rommel, West Dulwich, London, assignor to Telephone Manufacturing Company, Limited, London, England. Electrically operated visual indicator. 2,632,888, Mar. 24.

Brookey, Andrew C., San Antonio, Tex. Valve seat reamer. 2,639,642, May 26.

Brookman, Roger S.: *See*—
Bowers, Frank, and Brookman.

Brooks, Charles A., Roanoke, Va. Fish bait incubator. 2,642,836, June 23.

Brooks, E. J., Company, assignee: *See*—
Brooks, Winfred M.
Moberg, Sigurd M.

Brooks Equipment Corporation, assignee: *See*—
Quinn, Aloysius J.

Brooks, Ernest A., Hudson, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Expansion linkage for directing motion of tubular elements. 2,636,351, Apr. 28.

Brooks, Frazier O., Ca-Vel, N. C. Punch for rimless cans. 2,637,100, May 5.

Brooks, Irwin, Merrick, and A. Friedberg, Lynbrook, assignors to American Artists' Color Works, Inc., Brooklyn, N. Y. Artist's box. 2,648,933, Aug. 18.

Brooks, James C., and R. T. Gardner, Albertville, Ala. Motor operated cutter. 2,648,904, Aug. 18.

Brooks, John D.: *See*—
Holtzclaw, John B., and Brooks.

Brooks, John W., Wenonah, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. 3-thienyl thioethers. 2,662,900, Dec. 15.

Brooks, Joseph H., West Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp transfer apparatus. 2,649,975, Aug. 25.

Brooks, Lester A., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Adhesive compositions from mixtures of chlorinated and hypochlorinated rubber. 2,637,751, May 5.

Brooks, Lester A., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Lauryl pyridinium salts of chlorophenoxy-acetic acids. 2,656,359, Oct. 20.

Brooks, Lester A., East Norwalk, Conn., M. Markarian, North Adams, and M. Mazzewski, Adams, assignors to Sprague Electric Company, North Adams, Mass. Dielectric compositions. 2,636,022, Apr. 21.

Brooks, Lester M., Seattle, Wash. Cultivator. 2,645,987, July 21.

Brooks, Lewis C., assignor of one-third to I. M. Jones, Milwaukee, Wis. Consumer type container. 2,626,095, Jan. 20.

Brooks, Lewis C., assignor of one-third to I. M. Jones, Milwaukee, Wis. Consumer type container. 2,649,238, Aug. 18.

Brooks, Lewis C., assignor of one-third to I. M. Jones, Milwaukee, Wis. Consumer type container. 2,661,139, Dec. 1.

Brooks, Linzy W., assignor to On-A-Lite Corporation, Portland, Oreg. Electrical socket connector with supporting clip. 2,657,367, Oct. 27.

Brooks, Lorimer P.: *See*—
Stokes, Irving, and Brooks.

Brooks, Marguerite G., Darien, Conn. Ribbon loom. 2,663,214, Dec. 22.

Brooks, Philip K.: *See*—
Knott, Edward B., and Brooks.

Brooks, Phillips, Brooklyn, N. Y. Crown tooth support. 2,655,724, Oct. 20.

Brooks, Ralph C., Turtle Creek, Pa., assignor to Westinghouse Air Brake Company. Reversible engine control apparatus. 2,635,417, Apr. 21.

Brooks, Ralph C., Turtle Creek, Pa., assignor to Westinghouse Air Brake Company. Control system for fluid pressure actuated propeller clutches. 2,642,972, June 23.

Brooks, Richard E.: *See*—
Randall, John F., and Brooks.
Youngquist, Orrin G., Smook, and Brooks.

Brooks, Richard E., F. S. Chance, T. H. Crim, Jr., and D. E. Strain, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Bonding a layer of chlorosulfonated polyethylene to fabric. 2,630,398, Mar. 3.

Brooks, Richard E., and R. C. Schreyer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing alcohols from olefins. 2,644,844, July 7.

Brooks, Richard E., and M. A. Smook, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of chlorosulfonated polymers. 2,658,883, Nov. 10.

Brooks, Robert A., Salem, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Copper complexes of monosulfonamido formazyl dyes. 2,662,074, Dec. 8.

Brooks, Robert A., Salem, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Copper complexes of monosulfonamido formazyl dyes. 2,662,075, Dec. 8.

Brooks, T. J. (Autos), Limited, assignee: *See*—
Heyne, William O.

Brooks, Thomas E., assignor to Lisle Corporation, Clarinda, Iowa. Brake cylinder hone. 2,627,707, Feb. 10.

Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Sealing device. 2,634,150, Apr. 7.

Brooksbank, Jack: *See*—
West, Joseph, and Brooksbank.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement for tone-control in low-frequency amplifiers. 2,650,268, Aug. 25.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Physiological tone control circuit. 2,657,363, Oct. 27.

Brophy, Jere E., and J. Larson, U. S. Navy, Washington, D. C. Coated bearing structure. 2,635,929, Apr. 21.

Brophy, John J.: *See*—
Pineles, Bernard M., and Brophy.

Broschke, Heinrich, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Microhardness tester. 2,637,202, May 5.

Broschke, Heinrich, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Hardness tester. 2,663,185, Dec. 22.

Broscious, Henry H., Sunbury, Pa. Building model. 2,635,359, Apr. 21.

Broscomb, Dennis G.: *See*—
Ballard, Alfred G., Dent, Broscomb, and Watt.

Brose, Leonard C. and V. S., Burbank, Calif. Curtain rod structure. 2,650,714, Sept. 1.

Brose, Violet S.: *See*—
Brose, Leonard C. and V. S.

Brosious, Malcolm J.: *See*—
Ewing, John F., and Brosious.

Bross, Helmut, Braunschweig, Germany. Writing implement. 2,645,204, July 14.

Brotham, Abraham, Long Island City, N. Y. "Indirect" oxidation - splitting of acetylenic gamma glycols. 2,663,715, Dec. 22.

Broussard, Elton J., assignee: *See*—
Broussard, Vernon P.

Broussard, Gordon R.: *See*—
Broussard, Slavin P. and G. R.

Broussard, Paul O., assignee: *See*—
Broussard, Vernon P.

Broussard, Robert F., and C. A. Toce, Houston, Tex. Traffic signal. 2,625,598, Jan. 13.

Broussard, Robert F., Houston, Tex., assignor to Duncan Parking Meter Corporation, Chicago, Ill. Coin-handling apparatus. 2,633,960, Apr. 7.

Broussard, Robert F., Burbank, Calif., H. J. Miller and L. D. Sollenberger, Chicago, Ill., and S. L. Christensen, Los Angeles, Calif., assignors, by mesne assignments, to Miller Meters, Inc., Chicago, Ill. Parking meter. 2,660,283, Nov. 24.

Broussard, Slavin P. and G. R., New Iberia, La. Street gutter drainage grille. 2,645,302, July 14.

Broussard, Vernon P., St. Martinville, La., assignor of one-third to E. J. Broussard and one-third to P. O. Broussard. Utility loader. 2,659,494, Nov. 17.

Brossart, Jean: *See*—
Bernier, Jean, and Brossart.

Brosseau, John B., trustee, assignee: *See*—
Brosseau, Joseph E.

Brosseau, Joseph E., Oak Park, assignor to C. E. Hoover, Wayne, and J. B. Brosseau, Oak Park, Ill, as trustees. Control device for electrical appliances. 2,632,085, Mar. 17.

Brosseit, Mary A., Chicago, Ill. Figure toy with spinning element. 2,656,643, Oct. 27.

Brosselin, Michel, assignor to Société dite: Usines Gallus (Societe Anonyme) Courbevoie, France. Electrocardiovectographic device. 2,659,363, Nov. 17.

Brost, Andrew J., Chicago, Ill. Horse racing game apparatus. 2,658,760, Nov. 10.

Brothman, Abraham, Long Island City, N. Y. Polymerization of methylmethacrylate with mixture of benzoyl peroxide and tertiary-butyl hydroperoxide. 2,632,758, Mar. 24.

Broucek, Kenneth F.: *See*—
Drake, Lewis R., Stowe, and Broucek.

Brougher, John R., Calvert, Tex. One revolution clutch. 2,626,028, Jan. 20.

Brougher, John R., Calvert, Tex. Assembler control equipment for type line casting machines. 2,626,043, Jan. 20.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Billfold having an expansible pocket. 2,625,974, Jan. 20.

Brouillard, Albert P., Woonsocket, R. I. Textile spindle. 2,625,336, Jan. 13.

Brouillard, Robert E., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing metal phthalocyanines. 2,647,127, July 28.

Brouillard, Robert E., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing metal phthalocyanines. 2,647,128, July 28.

Brouwer, Cornelis, Beverwijk, Netherlands. Acidproofing the surface of porous calcareous articles. 2,657,154, Oct. 27.

Brouwer, Pieter H. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Low-power hub dynamo. 2,658,157, Nov. 3.

Browder, Jay E., Garden City, and V. J. Young, Jamaica, N. Y., assignors to The Sperry Corporation. Phase shift system. 2,627,598, Feb. 3.

Browder, John G., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Distillation of aviation gasoline components. 2,638,412, May 12.

Browder, John G., Houston, and A. R. Smith, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of petroleum distillates. 2,638,439, May 12.

Brown, Abner E., Richmond Heights, Mo. Drinking cup. 2,625,019, Jan. 13.

Brown, Abner E., Richmond Heights, Mo. Handle construction for cartons and the like. 2,640,645, June 2.

Brown, Albert A., Danville, Calif., assignor to United States of America as represented by the United States Atomic Energy Commission. Comparative photometer. 2,626,989, Jan. 27.

Brown, Alfred E., and A. M. Sookne, Washington, D. C., and F. W. Minor, Arlington, Va., assignors, by mesne assignments, to Harris Research Laboratories. Rendering organic textile material water repellent and composition therefor. 2,662,039, Dec. 8.

Brown, Amon H., El Cerrito, P. W. Kilpatrick, Albany, and M. E. Lazar, Oakland, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Apparatus for heating fluids, particularly foodstuffs. 2,636,430, Apr. 28.

Brown, Andrew G., Maywood, assignor to The Griffith Laboratories, Inc., Chicago, Ill. Percentage registering device. 2,633,819, Apr. 7.

Brown, Andrew G., Maywood, assignor to The Griffith Laboratories, Inc., Chicago, Ill. Weighing scale. 2,639,912, May 26.

Brown, Arthur, assignee: *See*—
Spearman, Carl L.

Brown, Barremore B.: *See*—
Donal, John S., Jr., Smith, and Brown.

Brown, Barremore B., Lancaster, Pa., assignor to Radio Corporation of America. Dispenser cathode. 2,647,216, July 28.

Brown, Bernard A., and L. A. Erickson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Machine for operating on briquettes. 2,664,018, Dec. 29.

Brown, Bertram M., Pawtucket, R. I., assignor to Rosbro Plastics Corporation. Ornamenting articles. 2,645,049, July 14.

Brown, Betsy O., executrix: *See*—
Brown, David B.

Brown & Bigelow, assignee: *See*—
Gruber, Francis E.
Winford, Orion P.
Vierling, John A.

Brown, Boveri & Cie., Aktiengesellschaft, assignee: *See*—
Katzenberger, Bernhard.

Brown, Boyd B., San Francisco, Calif. Electrical low pressure flat tire indicator. 2,649,519, Aug. 18.

Brown-Bridge Mills, Inc., The, assignee: *See*—
Holt, Frederick W., Jr., Bench, and Ernst.

Brown-Brockmeyer Company, The, assignee: *See*—
Brown, Steffen S.
Gayer, John D.

Brown Brothers & Co. Limited, assignee: *See*—
Mitchell, Colin C.
Waterston, James R. C.

Brown, Caleb C., Jr., executor: *See*—
Sacrey, Elmer P.

Brown, Carlton F., assignee: *See*—
Kent, Edward.

Brown, Charles A., St. Louis County, assignor, by mesne assignments, to International Oil Burner Company, St. Louis, Mo. Multiple gaseous fuel burner and secondary air feed baffle. Re. 23,721, Oct. 13.

Brown, Charles B., Washington, D. C., E. F. Cox, Albuquerque, N. Mex., R. MacHenry, Prospect Park, Pa., and E. Finkle, Washington, D. C. Apparatus for recovering practice torpedoes. 2,641,780, June 16.

Brown, Chas., Display Inc., assignee: *See*—
McColl, Thomas P.

Brown, Charles H., Breckenridge, Tex. Implement tool bar clamp. 2,640,718, June 2.

Brown, Charles H., Breckenridge, Tex. Plow and moldboard adjustment for ditch digging plows. 2,641,071, June 9.

Brown, Charles H., Breckenridge, Tex. Levee building machine. 2,644,252, July 7.

Brown, Charles H., Breckenridge, Tex. Power steering and centering means for trailer wheels. 2,646,850, July 28.

Brown, Charles H., Breckenridge, Tex. Moldboard adjustment for V-type ditching machines. 2,648,919, Aug. 18.

Brown, Charles H., Breckenridge, Tex. Fluid pressure operator for roll-over scrapers. 2,648,921, Aug. 18.

Brown, Charles L., Jr., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Suction nozzle with adjustable cleaning opening. 2,629,126, Feb. 24.

Brown, Charles R., Glen Mills, and W. H. Leedecke, Yeadon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Jet engine variable area exhaust nozzle. 2,637,163, May 5.

Brown, Charles S.: *See*—
Montgomery, Charles W., and Brown.

Brown, Charles V. W., Brisbane, Queensland, Australia. Antiglare eyeshade. 2,648,844, Aug. 18.

Brown, Cicero C., assignee: *See*—
Potts, Ernest L.
Potts, Ernest L., and Scott.

Brown, Cicero C., Houston, Tex. Valve. 2,630,178, Mar. 3.

Brown, Cicero C., Houston, Tex. Method of and apparatus for cementing wells. 2,630,179, Mar. 3.

Brown, Cicero C., Houston, Tex. Valve. 2,642,140, June 16.

Brown, Cicero C., Houston, Tex. Method and apparatus for connecting well casings to liners. 2,644,523, July 7.

Brown, Cicero C., Houston, Tex. Well packer. 2,649,916, Aug. 25.

Brown, Cicero C., Houston, Tex. Wellhead apparatus. 2,660,248, Nov. 24.

Brown, Cicero C., and E. L. Potts, Houston, Tex., said Potts assignor to said Brown. Apparatus for cementing wells. 2,647,582, Aug. 4.

Brown, Cicero C., and F. L. Scott, Jr., Houston, Tex., said Scott assignor to said Brown. Hold-down slip assembly for well packers. 2,652,894, Sept. 22.

Brown Citrus Machinery Corporation, assignee: *See*—
Harden, Carl.
Wells, Lloyd A.

Brown, Clarence J., and T. F. Schwanda, assignors to Blue Ridge Textile Company, Inc., Bangor, Pa. Warp knitting machine tensioning device. 2,651,930, Sept. 15.

Brown, Clayton W., Woodbury, N. J., and P. V. Keyser, Jr., Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Thermoregulator. 2,645,461, July 14.

Brown, Clifford S., Wauwatosa, assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Library shelf arrangement. 2,644,588, July 7.

Brown, Corry L., Kansas City, Mo. Inner boxcar door. 2,624,921, Jan. 13.

Brown, Curtis, Kentland, Ind. Vehicle door latch. 2,640,720, June 2.

Brown, Dan A., Long Beach, and J. H. Huribut, South Gate, assignors to Rheem Manufacturing Company, Richmond, Calif. Safety gas valve. 2,650,766, Sept. 1.

Brown, Daniel M., assignor to Refrigeration Systems, Inc., Chicago, Ill. Vial rack. 2,641,368, June 9.

Brown, Darwyn I., Hastings-on-Hudson, N. Y., assignor to United States Steel Corporation. High-temperature steel. 2,631,096, Mar. 10.

Brown, David, New York, N. Y. Sand-anchoring device. 2,643,843, June 30.

Brown, David B., deceased, Bellingham, Wash.; B. O. Brown, executrix of said D. B. Brown. Massage vibrator. 2,639,707, May 26.

Brown, Derrell E., Pacific Grove, Calif. Armrest attachment for vehicle seats. 2,650,650, Sept. 1.

Brown, E. Y., assignee: *See*—
Robbins, Homer R.

Brown, Earl H., Hibbing, Minn., assignor to Attapulgus Minerals & Chemicals Corporation. Concentration of oxidized iron ores by froth flotation in the presence of carbohydrate xanthates. 2,629,493, Feb. 24.

Brown, Earl H., Hibbing, Minn., assignor to Attapulgus Minerals & Chemicals Corporation. Concentration of oxidized iron cores by froth flotation in the presence of carbohydrate xanthates. 2,629,494, Feb. 24.

Brown, Earl W., Miami, Fla. Automatic clutch. 2,642,167, June 16.

Brown, Edgar A., Aldan, Pa., assignor to Burroughs Adding Machine Company, Detroit, Mich. Mechanical bistable device. 2,658,972, Nov. 10.

Brown, Edmund D., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Gas turbine combustion chamber with variable area primary air inlet. 2,655,787, Oct. 20.

Brown, Edmund V., St. Catharines, Ontario, Canada. Tire lug. 2,649,885, Aug. 25.

Brown, Edward, Memphis, Tenn. Scaffold structure. 2,626,189, Jan. 20.

Brown, Edward A.: *See*—
Bryant, Fred R., and Brown.

Brown, Edward G., assignee: *See*—
Miller, Daniel W.

Brown, Edward G., and D. W. Miller, Lakewood, Ohio. Garbage disposal device. 2,624,515, Jan. 6.

Brown, Edwin H., Elm Grove, Wis., assignor to Union Stock Yards & Transit Company, Chicago, Ill. Method and apparatus for shipping and storing combustible gases. 2,650,478, Sept. 1.

Brown, Ellis M., and E. H. Forss, assignors to John Oster Manufacturing Company, Racine, Wis. Electric hair clipper. 2,650,993, Sept. 1.

Brown, Ethan A., Boston, and C. W. Johnson, Bridgewater, Mass. Winking sounding doll. 2,633,667, Apr. 7.

Brown, Ethel C., Mission, Kans. Tampon. 2,629,381, Feb. 24.

Brown, Eugene H. C., and P. A. Renner, assignors to Joseph E. Seagram & Sons, Inc., Louisville, Ky. Method and apparatus for detecting foreign bodies in containers. 2,633,772, Apr. 7.

Brown, Eugene H. C., and I. Lefkowitz, assignors to Joseph E. Seagram & Sons, Inc., Louisville, Ky. Recurrent process controller. 2,641,316, June 9.

Brown, Everett C., Louisville, Ky., and T. Finan, Providence, R. I., assignors to Cheatham Electric Switching Device Company, Incorporated, Louisville, Ky. Automatic electric frog. 2,664,472, Dec. 29.

Brown Fintube Company, assignee: *See*—
Brown, John W., Jr.

Brown, Fordyce M.: *See*—
Morrison, Charles A., and Brown.

Brown-Forman Distillers Corporation, assignee: *See*—
Scott, Henry L.

Brown, Francis A., Saugus, Mass., assignor to General Electric Company. Portable gear tooth checking instrument. 2,657,469, Nov. 3.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Applicator for semisolid stick material. 2,626,847, Jan. 27.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Applicator. 2,641,254, June 9.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Inhaler. 2,642,063, June 16.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Medicament vial. 2,644,452, July 7.

Brown, Frank E., Burbank, Calif. Cartridge syringe. 2,646,798, July 28.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Tank thermometer. 2,663,191, Dec. 22.

Brown, Frank E., Burbank, assignor to F. M. Turnbull, Los Angeles, Calif. Container for pharmaceuticals and the like. 2,663,461, Dec. 22.

Brown, Frank E., Burbank, and F. M. Turnbull, Los Angeles, Calif., said Brown assignor to said Turnbull. Hypodermic injection assembly. 2,648,334, Aug. 11.

Brown, Frank J., assignor to Bastian Bros. Co., Rochester, N. Y. Making colored embossed emblems. 2,625,064, Jan. 13.

Brown, Frank K.: *See*—
Jeney, George E., Jr., Phipard, and Brown.

Brown, Frank K., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Fastener with slotted pilot portion. 2,624,228, Jan. 6.

Brown, Frank M., and C. F. Albrecht, assignors to Gould-National Batteries, Inc., St. Paul, Minn. Outer cover for batteries. 2,629,759, Feb. 24.

Brown, Fred C.: *See*—
Stanley, William E., and Brown.

Brown, Fred K., assignee: *See*—
Beck, Harry G.

Brown, Gardner L., T. A. Johnson, and R. B. Knill, assignors to Wingfoot Corporation, Akron, Ohio. Nondiscoloring reclaim and preparation. 2,640,035, May 26.

Brown, Gardner L., and T. A. Johnson, assignors to Wingfoot Corporation, Akron, Ohio. Finishing reclaim rubber. 2,645,817, July 21.

Brown, Garfield R., Eau Claire, Wis. Easter basket. 2,653,707, Sept. 29.

Brown, Garnet L., Jamison, Pa. Pry type closure remover with piercing prong. 2,643,560, June 30.

Brown, George D., Somerville, Mass. Making syringe tubes. 2,631,333, Mar. 17.

Brown, George F., Shelburne Falls, Mass. Bomb cluster adapter. 2,625,880, Jan. 20.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Transmission line measuring system. 2,630,474, Mar. 3.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Radio-frequency heating system. 2,635,176, Apr. 14.

Brown, George H., and W. C. Morrison, Princeton, N. J., and E. W. Flosdorf, Forest Grove, Pa.; said Brown and said Morrison assignors to Radio Corporation of America. Production of crystalline penicillin salts. 2,645,639, July 14.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Slotted antenna system. 2,660,674, Nov. 24.

Brown, George P., Jr.: *See*—
Riethof, George, and Brown.

Brown, George T., Jr.: *See*—
MacPhee, Paul A., and Brown.

Brown, George T., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Printing stamp device. 2,633,799, Apr. 7.

Brown, George T., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Hand stamp type-setting device. 2,646,748, July 28.

Brown, Gerald O., and H. E. Durcholz, deceased, Denver, Colo.; A. Durcholz, administratrix, assignor to said Brown. Device for retrieving spinners or the like. 2,634,539, Apr. 14.

Brown, Grant S., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for controlling the plasticity of extrudable materials in an extruding apparatus. 2,626,427, Jan. 27.

Brown & Green Limited, assignee: *See*—
Gudgeon, Ronald P.

Brown & Grist Company, assignee: *See*—
Grist, Arthur W.

Brown, Guy E., Houston, Tex. Deflecting tool. 2,643,850, June 30.

Brown, Harold J., Indianapolis, Ind. Converter system. 2,633,560, Mar. 31.

Brown, Harold J., Mattapoisett, assignor to Aerovox Corporation, New Bedford, Mass. Electrical vibrator. 2,660,639, Nov. 24.

Brown, Harold P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Replasticizing polymeric metallocarboxylates. 2,626,248, Jan. 20.

Brown, Harold P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of plastic condensable alkyl acrylate polymers and subsequent elasto-condensation thereof. 2,649,439, Aug. 18.

Brown, Harold P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of plastic condensable synthetic rubbers and subsequent elasto-condensation thereof. 2,662,874, Dec. 15.

Brown, Harry L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscope caging mechanism. 2,645,129, July 14.

Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electroplating of nickel. 2,647,866, Aug. 4.

Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electroplating of nickel. 2,648,628, Aug. 11.

Brown, Henry, assignor to The Udylite Corporation, Detroit, Mich. Electrodeposition of bright nickel, cobalt, and alloys thereof. 2,654,703, Oct. 6.

Brown, Henry, and L. B. High, assignors to The Udylite Corporation, Detroit, Mich. Electroplating of nickel. 2,654,704, Oct. 6.

Brown, Henry B., Florham Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control for stepping mechanism. 2,630,465, Mar. 3.

Brown, Henry R., Jr., Downey, Calif., assignor to North American Aviation, Inc. Potentiometer compensating machine. 2,657,296, Oct. 27.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.

Brown, Herbert F., Cranford, and R. H. Maass, Madison, N. J., assignors to Standard Oil Development Company. Expansion joint. 2,661,963, Dec. 8.

Brown, Horace A., assignor to Hardsocg Pneumatic Tool Company, Ottumwa, Iowa. Swivel type air inlet and throttle valve. 2,628,061, Feb. 10.

Brown, Horace D.: *See*—
Rogers, Edward F., and Brown.

Brown, Horace D., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Insecticidal compositions comprising benzyl or tetrahydrofurfuryl ester of mucochloric acid. 2,636,840, Apr. 28.

Brown, Howard D., Westfield, N. J. Automatic winch rope winder. 2,662,703, Dec. 15.

Brown, Howard S., Elyria, Ohio. Coin holder. 2,644,471, July 7.

Brown, Hugh F., Oakland, Calif. Fruit gatherer apron. 2,649,680, Aug. 25.

Brown, Hugh H.: *See*—
Phillips, Vernon J., and Brown.

Brown, Hugh M., assignor to Clemson Agricultural College of South Carolina, Clemson, S. C. Tensile strength tester. 2,629,254, Feb. 24.

Brown, Hugh M., assignor to Clemson Agricultural College of South Carolina, Clemson, S. C. Porosity tester. 2,659,433, Nov. 17.

Brown, Hurley L., Kokomo, Ind. Moving figure wheeled toy. 2,629,203, Feb. 24.

Brown, Ivan G. O., Yate, assignor to The British Vacuum Cleaner and Engineering Company Limited, Leatherhead, England. Ribbon progressing and reversing device. 2,627,965, Feb. 10.

Brown, Ivan G. O., Yate, assignor to The British Vacuum Cleaner and Engineering Company Limited, Leatherhead, England. Electrical switch. 2,629,037, Feb. 17.

Brown, James D., Livingston, N. J., assignor to Bristol-Myers Company, New York, N. Y. Carton closing machine. 2,628,466, Feb. 17.

Brown, James E., Orange, N. J. Educational device. 2,663,091, Dec. 22.

Brown, James W., Elizabeth, and C. E. Jahnig, Red Bank, N. J., assignors to Standard Oil Development Company. Residuum coking and cracking. 2,655,464, Oct. 13.

Brown, Jean A., assignee: *See*—
Taylor, Victor E.

Brown, Jesse B., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve for controlling fluid to a plurality of devices. 2,624,361, Jan. 6.

Brown, John C., Upper Montclair, N. J. Lid rack. 2,633,994, Apr. 7.

Brown, John C., Upper Montclair, N. J. Skewer 2,651,251, Sept. 8.

Brown, John H., Springfield, Mass. Beer tap. 2,644,619, July 7.

Brown, John T. L., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury dispenser. 2,634,028, Apr. 7.

Brown, John T. L., Short Hills, N. J., and W. B. Ellwood, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,653,199, Sept. 22.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Heat exchange type of tank heater. 2,640,686, June 2.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Air cooler. 2,649,285, Aug. 18.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Gas burning heater with backdraft diverter. 2,651,299, Sept. 8.

Brown, Joseph D., Eastchester, N. Y., assignor to Poloron Products, Inc. Picnic jug. 2,655,255, Oct. 13.

Brown, Keith E., San Gabriel, and F. E. Clark and C. E. Jackson, Alhambra, assignors to Turco Products, Inc., Los Angeles, Calif. Stripping of mirror backing. 2,637,669, May 5.

Brown, Keith E., San Gabriel, and F. E. Clark and C. E. Jackson, Alhambra, assignors to Turco Products, Inc., Los Angeles, Calif. Stripping of mirror backing. 2,637,670, May 5.

Brown, Kenneth E.: *See*—
Brown, Russell G., and K. E.

Brown, Kenneth R.: *See*—
Bewick, Howard L., and Brown.

Brown, Kenneth W., assignee: *See*—
Lingane, James J.

Brown, Laurie O., Oamaru, Otago, and T. J. McKee, Port Mapua, Nelson, New Zealand. Production of fine aqueous dispersion of sulfur. 2,658,016, Nov. 3.

Brown, Lawrence S., Massapequa, N. Y., assignor to The Sperry Corporation. Sheet stacking machine. 2,625,394, Jan. 13.

Brown, Lawrence W., Clinton, Mo. Toy balloon. 2,635,385, Apr. 21.

Brown, Leslie R., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Conversion from direct current to double voice frequency impulsing. 2,626,996, Jan. 27.

Brown, Lile H., Thorndike, Mass., assignor to Shellmar Products Corporation, Chicago, Ill. Molded pulp carton. 2,636,660, Apr. 28.

Brown, Linn P., Jr., Philadelphia, Pa. Damper and heater control system. 2,633,299, Mar. 31.

Brown, Lowell N., Overland, Mo. Pneumatic hammer. 2,655,901, Oct. 20.

Brown, Lowell R.: *See*—
Piper, Charles A., and Brown.

Brown, Luther E., Greggton, and O. W. Williams, Houston, Tex. Well tester. 2,637,400, May 5.

Brown, Luther E., Greggton, Tex. Valve assembly. 2,638,116, May 12.

Brown, Luther E., Greggton, and O. W. Williams, Houston, Tex. Sidewall sample taking device. 2,640,542, June 2.

Brown, Martin L., Shreveport, La. Carrier. 2,629,527, Feb. 24.

Brown, Merle M., Princeton, assignor, by mesne assignments, to Marvel Specialty Company, Incorporated, Paducah, Ky. Apparatus for mending hosiery. 2,624,183, Jan. 6.

Brown, Morris C., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor cooling structure. 2,628,824, Feb. 17.

Brown, Ned C. L., Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Switch machine. 2,659,812, Nov. 17.

Brown, Newman T., Edmonds, assignor to F. A. Mortimer, Seattle, Wash. Fireplace heating system. 2,642,859, June 23.

Brown, Norman F., assignor to N. F. B. Displacement Pump Co. Limited, London, England. Free piston for use in eduction pipes of apparatus for raising liquid in wells. Re. 23,698, Aug. 18.

Brown Oil Tools, Inc., assignee: *See*—
Potts, Ernest L.

Brown, Orwell W., Port Credit, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Welding apparatus for plowshares. 2,636,105, Apr. 21.

Brown, Owen, Los Angeles, Calif. Ornamented wood and manufacture. 2,634,534, Apr. 14.

Brown, Owen, Los Angeles, Calif. Means and method for conducting warfare. 2,634,924, Apr. 14.

Brown, Owen, Los Angeles, Calif. Intercooperative system for airborne and surface carriers. 2,639,107, May 19.

Brown, Owen, Los Angeles, Calif. Hydroaerial landing and launching means, including modus operandi. 2,645,436, July 14.

Brown, Paul: *See*—
Roensch, Burns, and Brown.

Brown, Paul, Walpole, N. H., assignor to Packaging Materials Corp. Corrugated paper. 2,627,484, Feb. 3.

Brown, Paul C., Auburn, Ind. Tire and wheel carrier. 2,631,764, Mar. 17.

Brown, Paul W.: *See*—
Drobney, Joseph A., and Brown.

Brown, Paul W., Kansas City, Mo. Apparatus for holding poultry during slaughtering. 2,624,911, Jan. 13.

Brown, Peter B., West Hartford, Conn. Combination sheet and mattress. 2,630,587, Mar. 10.

Brown, Ralph: *See*—
Owen, Harold R., and Brown.

Brown, Ralph, Fall Brook, assignor to Electrical Products Corporation, Los Angeles, Calif. Luminescent tube support for sign structures and the like. 2,629,814, Feb. 24.

Brown, Ralph L., and J. E. Vance, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner casing assembly. 2,644,190, July 7.

Brown, Ralph W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Precipitation of aluminum hydroxide. 2,653,858, Sept. 29.

Brown, Ray M., Chicago, Ill. Magnetic fastener-holding device. 2,630,036, Mar. 3.

Brown, Raymond L.: *See*—
Price, Theodore R., and Brown.

Brown, Richard E.: *See*—
Walton, George M., and Brown.

Brown, Robert A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie clasp. 2,627,636, Feb. 10.

Brown, Robert B., assignor to T. R. Mantes, doing business as T. R. Mantes Company, San Francisco, Calif. Scale control switch. 2,629,032, Feb. 17.

Brown, Robert B., Greenville, S. C. Device for packaging flat flexible articles. 2,656,082, Oct. 20.

Brown, Robert C.: *See*—
Hart, Leo E., and Brown.

Brown, Robert C., Jr., trustee, assignee: *See*—
Burnham, Edwin.

Brown, Robert H., Pulaski, Tenn. Torque converter. 2,658,594, Nov. 10.

Brown, Robert L., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Circuit breaker. 2,629,036, Feb. 17.

Brown, Robert L., Ferndale, Mich. Resilient stud fastener for cylindrical objects. 2,634,472, Apr. 14.

Brown, Robert W., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Synthetic rubber emulsion polymerizations at subfreezing temperatures. 2,628,956, Feb. 17.

Brown, Robert W., West Los Angeles, Calif. Jet pump for hand vacuum cleaner for connection with air pressure hose, with suction produced by aspirating action. 2,634,902, Apr. 14.

Brown, Roger W., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Mechanism for adjustably correlating tool feed with rate of cutting of machine tools. 2,659,020, Nov. 10.

Brown, Roland, London, and L. H. N. Watton, New Malden, assignors to Block & Anderson Limited, London, England. Sheet delivery arrangement for hectographic copying machines. 2,658,450, Nov. 10.

Brown, Roland K., Dalhart, Tex. Vacuum cleaner cart. 2,658,224, Nov. 10.

Brown and Root, Inc., assignee: *See*—
McCullough, Stirling E.
White, Ross.

Brown, Roy M.: *See*—
Enochs, Jerome D., and Brown.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for measuring the modulus of compression of rubberlike material. 2,626,522, Jan. 27.

Brown, Roy W., Brandon, Manitoba, Canada. Covertible nursery furniture. 2,627,298, Feb. 3.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Aircraft undercarriage. 2,646,948, July 28.

Brown, Royce M., Albuquerque, N. Mex. Water aerator for fish containers. 2,628,447, Feb. 17.

Brown, Russell G., Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Collapsible mandrel. 2,633,978, Apr. 7.

Brown, Russell G. and K. E. Brown, Montague, Mich. Gun carrier. 2,647,667, Aug. 4.

Brown, Russell H.: *See*—
Krause, Jack H., and Brown.

Brown, Russell H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Preparation of stable distillate fuels from cracked stocks. 2,626,208, Jan. 20.

Brown, Russell J., J. Downing, and W. H. Groombridge, Spondon, near Derby, England, assignors to British Celanese Limited. Felted water-soluble cleansing tissue. 2,648,635, Aug. 11.

Brown, Ruth, New York, N. Y. Sanitary bandage. 2,640,483, June 2.

Brown and Sharpe Manufacturing Company, assignee: *See*—
Holmes, Ossian G.
Levesque, George N.

Brown, Sol H., San Francisco, Calif. Chair fitting device. 2,648,910, Aug. 18.

Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Grinding wheel dressing mechanism. 2,629,368, Feb. 24.

Brown, Stanley C.: *See*—
Crookston, Robert R., and Brown.

Brown, Steffen S., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Selector switch. 2,664,473, Dec. 29.

Brown, Tanner H., Monterey, Calif. Hinge seat mortising jig. 2,663,333, Dec. 22.

Brown, Theodore E., Berwyn, Ill. Stack jogger. 2,661,950, Dec. 8.

Brown, Theophilus and G. Ickes, assignors to Deere & Company, Moline, Ill. Adjustable wheel and axle assembly for variable tread vehicles. 2,637,598, May 5.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Reversing and leveling means for two-way plows. 2,644,385, July 7.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Wheel and axle assembly for variable tread vehicles. 2,655,410, Oct. 13.

Brown, Thomas J., Muncie, Ind. Toolholder. 2,628,415, Feb. 17.

Brown, Thomas W. F., Newcastle-on-Tyne, and H. G. Yates, Northumberland, assignors to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Elastic fluid turbine support. 2,643,078, June 23.

Brown Trailers Inc., assignee: *See*—
Tantlinger, Keith W.

Brown, Wallace A., Harper, assignor of one-half to W. L. McGinley, Dallas, Tex. Guard for sickle blade of harvesting machines. 2,629,980, Mar. 3.

Brown, Wallace M., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Driven steerable bogey for multiaxle trucks. 2,648,392, Aug. 11.

Brown, Walter E.: *See*—
Harrison, Stuart A., and Brown.

Brown, Walter J., Cleveland Heights, Ohio. Motor control circuit. 2,640,959, June 2.

Brown, Walter L., Lansdowne, Pa. Cold weather insulation garment and fabric. 2,642,571, June 23.

Brown, Walter O., Detroit, Mich. Table leg pivot and latch mechanism. 2,625,454, Jan. 13.

Brown, Walter T., Pittsburgh, Pa. Coking a mixture of a carbonaceous material and a high boiling bituminous pitch. 2,656,309, Oct. 20.

Brown, Walter T., Pittsburgh, Pa. Hermetic seal for coke oven doors. 2,662,053, Dec. 8.

Brown, William: *See*—
Campbell, John S., Brown, and Douglas.

Brown, William B., Hasbrouck Heights, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 2,656,479, Oct. 20.

Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,624,861, Jan. 6.

Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Manufacture of electron-discharge devices. 2,632,231, Mar. 24.

Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron-discharge system. 2,651,001, Sept. 1.

Brown, William E.: *See*—
Hoke, Richard P., and Brown.
Lawson, John W., and Brown.

Brown, William E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter control. 2,662,189, Dec. 8.

Brown, William E., Patricia, Tex. Bale band tie buckle. 2,648,880, Aug. 18.

Brown, William E., Santa Ana, Calif. Cutterhead guard for vertical spindle shapers. 2,642,104, June 16.

Brown, William E., D. C. Redick, and C. E. McWilliams, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch. 2,655,570, Oct. 13.

Brown, William H., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Centrifugal fuel supply means for jet engine afterburners. 2,659,196, Nov. 17.

Brown, William N., Fort Wayne, assignor to Arnolt Corporation, Warsaw, Ind. Tubular furniture construction. 2,643,706, June 30.

Brown, William N., Fort Wayne, assignor to Arnolt Corporation, Warsaw, Ind. Tubular furniture construction. 2,643,707, June 30.

Brown, William V., Flushing, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Pressure selecting system and mechanism. 2,655,941, Oct. 20.

Brown and Williamson Tobacco Corporation, assignee: *See*—
McKinley, Billy S.

Brown, Winthrop L., Newburgh, Ind., and A. B. Foye, West Bridgewater, Mass., assignors to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Steam chest for sealing machines. 2,628,757, Feb. 17.

Brown, Winthrop L., Newburgh, assignor to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Apparatus for sealing closure caps on containers. 2,630,959, Mar. 10.

Brown-Allen Chemicals, Inc., assignee: *See*—
Ravich, Leonard E.

Brown-Graves Company, assignee: *See*—
Graves, Harold E., Jr.

Browne, Archie S., Detroit, Mich. Reverse air flow convertible household vacuum cleaner. 2,642,616, June 23.

Browne, Charles M.: *See*—
Gaiser, Romey A., and Browne.
Wampler, Roy W., and Browne.

Browne, Frank A., Jr., Brookline, assignor to Transducer Corporation, Boston, Mass. Magnetic memory storage circuits and apparatus. 2,654,080, Sept. 29.

Browne, Harry A.: *See*—
Allyn, William N., Cook, Browne, Scott, and Carroll.

Browne, Jack, Shorewood, assignor to Diving Equipment and Supply Co., Milwaukee, Wis. Quick-release screw clamp. 2,634,475, Apr. 14.

Browne, James H., Lisbon, Ohio. Pickup bruahes for sweepers. 2,651,803, Sept. 15.

Browne, Lindsay H., Weston, Conn., assignor to American Brake Shoe Company, Wilmington, Del. Pump. 2,625,886, Jan. 20.

Browne, Lindsay H., Weston, Conn., assignor to American Brake Shoe Company, Wilmington, Del. Unloader for fluid compressors. 2,638,264, May 12.

Browne, Lindsay H., Westport, Conn. Cake filler. 2,659,320, Nov. 17.

Browne, Paul W., Roodhouse, and D. M. Piper, Greenfield, Ill. Disk carrying trailer. 2,657,938, Nov. 3.

Browne, Thomas E., Jr.: *See*—
Strom, Albert P., and Browne.

Brownell, Clifford E., assignor to Lisk-Savory Corporation, Buffalo, N. Y. Galvanizing machine extracting mechanism. 2,646,772, July 28.

Browner, William J., San Francisco, assignor to Relaxacizor-Thermatone, Inc., Los Angeles, Calif. Therapeutic electrode. 2,651,304, Sept. 8.

Browner, William J., San Francisco, assignor to Relaxacizor, Inc., Los Angeles, Calif. Device for treatment of the muscles of the upper torso. 2,661,744, Dec. 8.

Browneye, Martin: *See*—
Helms, Laurence C., T. R. Helms, and Browneye.

Brownfield, Warren S.: *See*—
Blickenderfer, Charles, Jr., and Brownfield.

Brownhill, Frank D., and P. H. W. Wolff, Rugby, assignors to The English Electric Company Limited, London, England. Cooling of gas turbine rotors. 2,656,147, Oct. 20.

Browning, Daniel D.: *See*—
Bezman, Irving I., and Browning.

Browning, Earl L.: *See*—
Sanabria, Ulises A., Taylor, and Browning.

Browning, Fletcher W., Knoxville, Tenn. V-belt sheave. 2,633,761, Apr. 7.

Browning, George V., Schenectady, N. Y., and G. M. Webb, Western Springs, assignors to Standard Oil Company, Chicago, Ill. Grease preparation. 2,636,001, Apr. 21.

Browning, George, Wilmette, assignor to Sunbeam Corporation, Chicago, Ill. Retractable flatiron supporting mechanism. 2,637,127, May 5.

Browning, George, Wilmette, assignor to Sunbeam Corporation, Chicago, Ill. Snap action sadiron lift. 2,642,682, June 23.

Browning, John B.: *See*—
Fetrow, Gene B., and Browning.

Browning, John N., assignor to Browning Manufacturing Company, Inc., Maysville, Ky. Variable pitch sheave. 2,633,031, Mar. 31.

Browning Manufacturing Company, Inc., assignee: *See*—
Browning, John N.

Browning, Richard L., Euclid, assignor to Victor R. Browning & Company, Incorporated, Willoughby, Ohio. Brake mechanism. 2,652,132, Sept. 15.

Browning, Samuel D., Baldwin, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Dual channel telegraph system. 2,650,266, Aug. 25.

Browning, Val A., Ogden, Utah. Cartridge carrier for repeating shotguns. 2,626,475, Jan. 27.

Browning, Val A., Ogden, Utah. Trigger safety for firearms. 2,657,490, Nov. 3.

Browning, Victor R., & Company, Incorporated, assignee: *See*—
Browning, Richard L.

Browning, Virginia E., Chicago, Ill. Handbag cover. 2,653,640, Sept. 29.

Brownlee, Robert L., Mokena, Ill. Timber saw. 2,635,649, Apr. 21.

Brownlie, John, Freeport, R. Gerstenzang, Brooklyn, N. Y., and A. C. Blamey, Rutherford, N. J.; said Blamey assignor to said Brownlie and said Gerstenzang. Window casement construction. 2,645,316, July 14.

Brownstein, Louis: *See*—
Kurnick, Abraham, and Brownstein.

Brownstein, Louis, assignor to C. S. Products, Inc., New York, N. Y. Carpet-securing device. 2,634,453, Apr. 14.

Broxon, James W.: *See*—
Jesse, William P., and Broxon, and Hinch.

Broyles, Alvin C., Tulsa, Okla., assignor to Standard Oil Development Company. Inhibiting storage tank corrosion. 2,639,971, May 26.

Broyles, Neva I., Cashmere, Wash. Sleeper toy. 2,647,195, July 28.

Broz, Ethel E., Euclid, Ohio. Display device. 2,649,970, Aug. 25.

Brubaker, Damon P., and F. E. Woodley, San Bernardino, Calif., assignors to The National Cash Register Company, Baltimore, Md. Ordinally-selective key-responsive cycle initiating mechanism. 2,654,539, Oct. 6.

Brubaker, Ezra O., assignee: *See*—
Berstler, Francis E.

Brubaker, John A., assignor to Haughton Elevator Company, Toledo, Ohio. Hydraulic safety device for screw elevators. 2,627,321, Feb. 3.

Brubaker, John W., Palos Verdes Estates, M. C. Sanz, Los Angeles, and C. N. Scully, Pasadena, Calif., assignors to North American Aviation, Inc. Gyro bearing. 2,625,045, Jan. 13.

Brubaker, Merlin M., Chadds Ford, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymeric polyhydroxy esters and producing the same. 2,630,422, Mar. 3.

Brubaker, Merlin M., Chadds Ford, Pa., and R. N. MacDonald, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N-carboanhydrides and polymers therefrom. 2,644,808, July 7.

Bruce, Alois P., Delavan, Wis. Pump. 2,633,804, Apr. 7.

Bruce, Donald S.: *See*—
Havemann, Robert A., and Bruce.

Bruce, Donald S., P. W. Herrlinger, and H. L. Heise, Troy, Ohio, assignors to The Gummed Products Company. Multiple layer stay tape. 2,651,588, Sept. 8.

Bruce, E. L., Company, assignee: *See*—
Jones, Leslie H.
Kitterman, John E.

Bruce Engineering Corporation, assignee: *See*—
Bruce, John K., and Long.

Bruce, Ernest G., deceased, late of Philadelphia, Pa., by The Pennsylvania Company for Banking and Trusts, Philadelphia, Pa., administrator. Suspension for automobiles and other vehicles. 2,650,108, Aug. 25.

Bruce, John K., South Pasadena, assignor to Production Aids, Inc., North Hollywood, Calif. Palletizer. 2,633,251, Mar. 31.

Bruce, John K., South Pasadena, and W. E. Long, Bellflower, assignors, by mesne assignments, to Bruce Engineering Corporation, Pasadena, Calif. Can marking machine. 2,635,531, Apr. 21.

Bruce, John N., Edgewood, Md., assignor to the United States of America as represented by the Secretary of the Army. Self-sealing coupling. 2,637,572, May 5.

Bruce, Ralph E., and R. S. Goebel, assignors to Production Control Units, Dayton, Ohio. Liquid metering dispenser. 2,631,437, Mar. 17.

Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Grinding wheel dressing mechanism. 2,630,109, Mar. 3.

Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Cut point determination in pipe-line batching. 2,654,067, Sept. 29.

Bruce, William F.: *See*—
Szabo, Joseph L., and Bruce.

Bruce, William F., Havertown, and J. Seifter, Willow Grove, Pa., assignors, by mesne assignments, to American Home Products Corporation, New York, N. Y. Substituted glycinamides. 2,654,754, Oct. 6.

Bruch, Willard R., Yreka, Calif. Flower box. 2,648,164, Aug. 11.

Bruchhausen, Werner, Dortmund, Germany. Electric table. 2,662,966, Dec. 15.

Bruck, George G., assignor to Specialties, Inc., Syosset, N. Y. Means and method for assembling electric circuit components. 2,647,224, July 28.

Bruck, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Focusing device for electron microscopes. 2,632,115, Mar. 17.

Brucker, Henry J.: *See*—
Klausmann, Milton H., and Brucker.

Brucker, Milton, Los Angeles, assignor to Zenith Plastics Co., Gardena, Calif. Making molded resinous products. 2,633,605, Apr. 7.

Brucker, Walter A., Miami, Fla. Bookkeeping mechanism. 2,655,390, Oct. 13.

Bruckman, William C., Bergenfield, M. A. Kreitchman, Irvington, and W. J. Olson, Bloomfield, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Washing machine provided with resilient vibration control door sealing means. 2,643,538, June 30.

Bruckmann, Paul M. W., Alpine, N. J., assignor to The De Florez Company, Inc., New York, N. Y. Fluid pump. 2,651,264, Sept. 8.

Bruckmann, Paul M. W., Alpine, N. J., assignor to The de Florez Company, Inc., New York, N. Y. Coughing valve. 2,659,364, Nov. 17.

Bruckner, Walter, Garfield Heights, assignor to The Northern Blower Company, Cleveland, Ohio. Method and apparatus for actuating dust collectors. 2,633,206, Mar. 31.

Bruder Eisert Aktiengesellschaft, assignee: *See*—
Kohn, Maximilian.

Bruderlin, Emil J., Amarillo, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Charging horizontal zinc retorts. 2,633,257, Mar. 31.

Brueckenbau Flender G. m. b. H., assignee: *See*—
Riedel, Erich.

Brueder, Antoine, assignor to Societe Anonyme Andre Citroen, Paris, France. Device having the dual function of electromagnetic clutch and alternator. 2,644,905, July 7.

Bruegger, Ernest, Massillon, Ohio, assignor to The Griscom Russell Company, New York, N. Y. Making fin tubing. 2,661,526, Dec. 8.

Bruene, Alfred J., Chicago, Ill. Exerciser. 2,637,319, May 5.

Bruene, Warren B., assignor to Collins Radio Company, Cedar Rapids, Iowa. Time delay circuits. 2,635,213, Apr. 14.

Bruengger, Heinrich: *See*—
Gruenacher, Charles, Bruengger, and Siegrist.

Bruesch, Roy G.: *See*—
Bauhammer, Titus, and Bruesch.

Bruestle, Carl O., Metuchen, assignor to Syncro Machine Company, Perth Amboy, N. J. Stranding machine. 2,634,574, Apr. 14.

Bruestle, Carl O., Metuchen, assignor to Syncro Machine Company, Perth Amboy, N. J. Reel arbor lock. 2,662,702, Dec. 15.

Bruestle, Carl O., Rahway, assignor to Syncro Machine Company, Perth Amboy, N. J. Cable reel take-up. 2,641,413, June 9.

Bruestle, William P.: *See*—
Rechtin, Clarence R., and Bruestle.

Bruffey, Carroll W., Charlottesville, Va. Apparatus for raising and supporting a lawn mower and including blade sharpening means. 2,657,502, Nov. 3.

Brugger, Ervin A., Newton, Iowa, assignor to Koehring Company, Milwaukee, Wis. Combination crane and bulldozer. 2,647,331, Aug. 4.

Bruijning, Hugo G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency transformer for the transmission of electric impulses. 2,645,746, July 14.

Bruins, Paul F., Douglaston, assignor, by mesne assignments, to Christian Missions Foundation, Inc., New York N. Y. Producing sisal fiber and wax. 2,649,624, Aug. 25.

Bruins, Paul F., Douglaston, N. Y., E. P. Wilkinson, Dallas, Tex., and E. P. Rittershausen, Hempstead, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Esterified aromatic hydrocarbon plasticizers and compositions containing same. 2,642,407, June 16.

Bruins, Paul F., Douglaston, N. Y., E. P. Wilkinson, Dallas, Tex., and E. P. Rittershausen, Hempstead, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. 1 2-ethyl-hexanol-1 esters of the Friedel-Crafts maleic anhydride-aromatic hydrocarbon adducts and process. 2,642,455, June 16.

Brukner, Clayton J., Troy, Ohio, assignor to The Waco Aircraft Company. Aircraft landing gear. 2,652,215, Sept. 15.

Brulin, Laurence W.: *See*—
Willis, Sumner C., and Brulin.

Brumagin, Ivan S., Warren, Pa. Agitator drive assembly. 2,627,171, Feb. 3.

Brumbaugh, Chester C., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Kiln lining. 2,635,865, Apr. 21.

Brumbaugh, Harold C., assignor of one-third to M. E. Krueger, and one-third to H. Heltzel, Portland, Oreg. Collapsible trailer. 2,639,185, May 19.

Brumbaugh, Isaac V., Clayton, Mo. Valve. 2,626,160, Jan. 20.

Brumbaugh, Isaac V., Clayton, Mo. Graduated universal valve for gas appliances with ported sleeve. 2,650,610, Sept. 1.

Brumbaugh, Isaac V., Clayton, Mo. Graduated universal valve for gas appliances. 2,650,612, Sept. 1.

Brumbaugh, Isaac V., Clayton, Mo. Graduated universal valve for gas appliances with slitted sleeve. 2,650,613, Sept. 1.

Brumbaugh, Isaac V., Clayton, Mo. Graduated universal valve for gas appliances with interconnected sleeve. 2,650,614, Sept. 1.

Brumberger, Louis, assignor to Mercury Sportswear, Inc., New Haven, Conn. Stitching mechanism for joining cords or the like with a fabric. 2,648,304, Aug. 11.

Brummer Manufacturing Corporation, assignee: *See*—
Heimbuch, Elmer F.

Brummer, Olin, Chicago Heights, Ill. Oil seal means or the like. 2,647,002, July 28.

Brümmerhoff, Walter, Remscheid-Lennep, assignor to Johann Vaillant Kommanditgesellschaft, Remscheid, Germany. Device for controlling the fuel supply of heating plants fired with gaseous or liquid fuels, particularly gas-fired liquid heaters. 2,663,501, Dec. 22.

Brump, Herbert L., Dayton, Ohio., assignor, by mesne assignments, to Etc Inc., Niles, Mich. Thermal overload switch. 2,636,099, Apr. 21.

Brunand, André, Lyon, assignor to Societe Anonyme styled: Compagnie Electro-Mecanique, Paris, France. Stator winding machine. 2,647,696, Aug. 4.

Brunansky, Steve J., and H. Forsythe, Gary, Ind. Handling sheets delivered from a dipping tank. 2,653,697, Sept. 29.

Brunberg, Nita C., assignee: *See*—
Brunberg, Paul E.

Brunberg, Paul E., assignor, by mesne assignments, of one-half to N. C. Brunberg, Detroit, Mich. Gas control valve. 2,656,856, Oct. 27.

Brundage, Albert P., deceased, Walden, N. Y.; I. D. Brundage, administratrix of said A. P. Brundage. Apparatus for fishing through ice. 2,657,494, Nov. 3.

Brundage, Clinton F.: *See*—
Jacobson, Irving, Brundage, and Moore.

Brundage, Isabel D., administratrix: *See*—
Brundage, Albert P.

Brundage, John H., Cocoa, Fla., assignor to International Telephone and Telegraph Corporation. Switching system. 2,663,010, Dec. 15.

Brundrett, George A.: *See*—
Funkhouser, Mearick, and Brundrett.

Brundrett, George A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,626,685, Jan. 27.

Bruner Corporation, assignee: *See*—
Palmer, Vernon J., and Judell.

Bruner, George W., assignor, by mesne assignments, to A. Vonnegut, Indianapolis, Ind. Sander head. 2,627,705, Feb. 10.

Bruner, Harold E.: *See*—
Fike, Elmer A., and Bruner.

Bruner, Walter M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sodium sulfate of highly branched primary heptadecanol. 2,633,473, Mar. 31.

Bruner, Walter M., and J. C. Lehr, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Paint and varnish remover. 2,630,409, Mar. 3.

Bruner, Walter M., and H. M. Kvalnes, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of melamine-formaldehyde reaction products. 2,640,041, May 26.

Bruner, Walter M., and J. C. Lehr, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile size comprising an aqueous solution of urea and a poly alpha-alkyl acrylic acid or a partial salt thereof. 2,646,412, July 21.

Bruning, Charles, Company, Inc., assignee: *See*—
Arndt, John P., Hruby, and Schulze.

Brüning, Eberhard, Leverkusen-Bayerwerk, D. Delfs, Leverkusen, and G. Spielberger, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Manufacture of α,α-dimethylbenzylhydroperoxide. 2,655,545, Oct. 13.

Bruning, Ralph R., Ellsworth, Kans. Endgate. 2,635,688, Apr. 21.

Brunings, Karl J., Jackson Heights, R. J. Feeney, Brooklyn, and I. A. Solomons, III, Garden City, assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Recovery of vitamin B_{12}. 2,631,964, Mar. 17.

Brunk, Harold J., assignor to The C. F. Pease Company, Chicago, Ill. Cylindrical photoprinting machine. 2,641,980, June 16.

Brunk, Leslie L., assignor to Renberles Products Co., Detroit, Mich. Distributor plate. Re. 23,749, Dec. 1.

Brunnell, William S., assignor to Boyar-Schultz Corporation, Chicago, Ill. Deep drilling attachment. 2,645,952, July 21.

Brunner, Albert, Jennings, assignor to Wagner Electric Corporation, St. Louis, Mo. Disk type fluid pressure seal. 2,656,680, Oct. 27.

Brunner, Paul, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Heat supply regulation of thermal power plants. 2,645,083, July 14.

Brunnhoelzl, William, Deep River, Conn. Combined flashlight and emergency light. 2,647,254, July 28.

Bruno, Anthony J., Jr., assignor to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Esterification process. 2,628,249, Feb. 10.

Bruns, Herbert F.: *See*—
Gullixson, Harold R., and Bruns.

Bruns, Herbert F., assignor, by mesne assignments, to Ditto, Incorporated, Chicago, Ill. Stack support for sheet feeders. 2,652,249, Sept. 15.

Bruns, William H., Lincolndale, and S. Davis, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Closure operator control mechanism. 2,634,828, Apr. 14.

Brunson Instrument Co., assignee: *See*—
Moore, William D.

Brunstrum, Lawrence C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Nonfretting antifriction bearing. 2,647,807, Aug. 4.

Brunsviga Maschinenwerke Aktiengesellschaft, assignee: *See*—
Jordan, Kurt, and Neumann-Lezius.

Brunsvold, Erick G., Hatton, N. Dak. Loading machine for partially filled bags. 2,646,162, July 21.

Brunswick-Balke-Collender Company, The, assignee: *See*—
Anderson, Robert I.
Breen, Lloyd S.
Hedenskoog, Ernest.
Montooth, George A.

Brusca, Joseph L.: *See*—
Palmgren, Per G., and Brusca.

Brush, Alanson P., Detroit, Mich. Apparatus for controlling the operation of domestic water systems. 2,651,259, Sept. 8.

Brush, Clyde E., Oakland, Calif. Box magazine for firearms. 2,655,754, Oct. 20.

Brush Development Company, The, assignee: *See*—
Begun, Semi J.
Kornei, Otto.
Lynch, Thomas E.
Page, Harry C.
Szegvari, Andrew, and Gravley.
Williams, Alfred L. W.

Brusienski, Paul E., Ramona, Calif. Hand pressure released container opening. 2,652,169, Sept. 15.

Bruske, Walter J., Fall Creek, Wis. Jaw trap latch dog bracket pan assembly and delayed-action guard. 2,645,876, July 21.

Bruski, Victor C.: *See*—
Goering, Kenneth J., and Bruski.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymers. 2,631,995, Mar. 17.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Handling polymeric compositions. 2,649,356, Aug. 18.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Copolymers of acrylonitrile and basic acrylamides. 2,649,438, Aug. 18.

Bruson, Herman A., Shaker Heights, and T. W. Riener, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Preparing glycidol. 2,636,040, Apr. 21.

Brusseau, Gene R.: *See*—
Hazzard, Joseph F., and Brusseau.

Brussel, Sophia L., co-executor, assignee: *See*—
McLeod, Roy D.

Brustein, Sam, Akron, Ohio. Garbage can support. 2,661,921, Dec. 8.

Brutsch & Co., assignee: *See*—
Scheiwiller, Karl.

Bruun, Otto J., Slough, England. Cup-shaped foil capsule. 2,641,402, June 9.

Bruynzeel's Deurenfabriek N. V. of Pieter Ghijsenlaan, assignee: *See*—
Staartjes, Johannes.

Bryan, Freel F., Buffalo, N. Y. Device for facilitating the swallowing of pills, tablets, capsules, and the like. 2,656,837, Oct. 27.

Bryan, George W., assignor to Electro-Hydraulics Limited, Warrington, England. Airplane landing gear. 2,661,916, Dec. 8.

Bryan, James S., assignor to Philco Corporation, Philadelphia, Pa. Electromagnetic deflection yoke. 2,639,314, May 19.

Bryan, John W., Traphill, N. C. Crossed leg folding table or tray. 2,652,299, Sept. 15.

Bryans, Harry C., Three Rivers, Quebec, assignor to Canadian International Paper Company, Montreal, Quebec, Canada. Roll crimping machine. 2,660,846, Dec. 1.

Bryant, Austin U.: *See*—
Grove, Marvin H., and Bryant.

Bryant, Austin U., Berkeley, Calif., assignor, by mesne assignments, to M & J Engineering Co. Fluid pressure operated positioning apparatus for motor valves. 2,627,249, Feb. 3.

Bryant, Austin U., Berkeley, assignor, by mesne assignments, to Grove Regulator Conipany, Oakland, Calif. Valve construction. 2,630,326, Mar. 3.

Bryant, Austin U., Berkeley, assignor to Grove Regulator Company, Oakland, Calif. Liquid flow system and apparatus. 2,643,670, June 30.

Bryant, Austin U., Berkeley, Calif., assignor, by mesne assignments, to M & J Engineering Co. Gas flow control apparatus. 2,650,607, Sept. 1.

Bryant, Austin U., Berkeley, assignor, by mesne assignments, to Grove Regulator Company, Emeryville (Oakland), Calif. Valve construction. 2,661,762, Dec. 8.

Bryant, Carrel C.: *See*—
Hunter, Henry M., and Bryant.

Bryant Chucking Grinder Company, assignee: *See*—
Arms, Merton H., and Barnard.
Arms, Merton H., and Grobey.
Gates, Hesslar H.

Bryant, Corwin W., Downers Grove, assignor to Crane Co., Chicago, Ill. Valve actuatnig mechanism. 2,624,644, Jan. 6.

Bryant, Corwin W., Downers Grove, assignor to Crane Co., Chicago, Ill. Valve stem locking device. 2,635,905, Apr. 21.

Bryant, Dennis G., Paducah, Ky. Combination furniture. 2,631,302, Mar. 17.

Bryant, Donald D., Huntington, W. Va. Snap-on dust guard. 2,638,363, May 12.

Bryant, Donald D., Huntington, W. Va. Journal box lid. 2,642,320, June 16.

Bryant, Edmond V., Parma, Ohio. Baby cup. 2,640,337, June 2.

Bryant, Fred R., and E. A. Brown, Shafter, Calif. Liquid fertilizer feeder for irrigation systems. 2,630,249, Mar. 3.

Bryant, Harold W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymerization control of vinyl acetate utilizing hydrogen peroxide. 2,662,878, Dec. 15.

Bryant, James M., assignee: *See*—
Galyord, John A.

Bryant, Lorton W., Connersville, Ind., assignor, by mesne assignments, to Dresser Industries, Inc. Shaft sealing device for pumps, compressors, and similar apparatus. 2,643,141, June 23.

Bryant, Otis F., Bismarck, N. Dak. Calculating calendar. 2,649,248, Aug. 18.

Bryant, Paul M., Akron, Ohio. Tooth paste dispenser having tooth-brush-receiving recesses. 2,633,271, Mar. 31.

Bryant, William A., assignor to Capsulube Company, Minneapolis, Minn. Collapsible refill cartridge for grease guns. 2,635,787, Apr. 21.

Bryant, William C., Garfield, N. J., assignor to Swan-Finch Oil Corporation, New York, N. Y. Grease. 2,640,812, June 2.

Bryce, Elizabeth S., executrix: *See*—
Bryce, James W., and Blakely.

Bryce, James W., deceased (by E. S. Bryce, Glen Ridge, and The National Newark and Essex Banking Company of Newark, Newark, N. J., executors), and R. T. Blakely, Amityville, assignors to International Business Machines Corporation, New York, N. Y. Photographic color recording machine. 2,641,976, June 16.

Bryce, William H., Memphis, Tenn., asignor to Dixie Wax Paper Company, Dallas, Tex. Making paper bags. 2,624,246, Jan. 6.

Bryer, John F.: *See*—
Steele, Richard E., and Bryer.

Bryer, John F., Wellsville, Ohio, and R. E. Steele, New Castle, Pa. Treatment of plaster molds. 2,632,209, Mar. 24.

Bryner, Fred, assignor to The Dow Chemical Company, Midland, Mich. Production of alkylphenols. 2,655,547, Oct. 13.

Brynes, Kermit: *See*—
Stimson, Allen G., Brynes, Jennings, and Taylor.

Brynildsrud, Finn, Moss, Norway. Three-dimensional duplicating engraving or milling machine. 2,646,725, July 28.

Bryn Mawr Smokers Novelty Co., assignee: *See*—
Siegel, Morris B.

Bryxman, Moissey, New York, N. Y. Window-washing machine. 2,653,333, Sept. 29.

Brzoticky, Frank J.: *See*—
Stone, Carl E., and Brzoticky.

Brzozowski, Evelyn, Stepney, Conn. Lady's girdle. 2,643,383, June 30.

Brzozowski, Witold, Westmount, Quebec, Canada, assignor to Thermal Research and Engineering Corp., Waltham, Mass. Combustion stabilization means for high-velocity air streams having a pilot burner and a streamline igniter grill. 2,625,795, Jan. 20.

Brzozowski, Witold, assignor to Thermal Research & Engineering Corp., Waltham, Mass. Combustion stabilization means having igniter grill heated by pilot burner. 2,632,300, Mar. 24.

Brzozowski, Witold, Westmount, Montreal, Canada, assignor to S. Czarnecki, Walden, N. Y. Burning fuel in jet-operated rotor blades. 2,638,989, May 19.

Bub, Robert A.: *See*—
Lewis, John M., and Bub.

Bubb, Frank W.: *See*—
Morton, Robert L., Jr., and Bubb.

Bubb, Frank W., Webster Groves, Mo., assignor to Phillips Petroleum Company. Computing device for vapor-liquid equilibrium calculations. 2,637,495, May 5.

Bubb, Frank W., Webster Grooves, Mo., assignor to Phillips Petroleum Company. Pumping system analogue. 2,661,898, Dec. 8.

Buc, Saul R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Tetracyano and tetracarboxy phthalocyanines. 2,647,908, Aug. 4.

Buc, Saul R., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing m-nitro and m-amino-benzyl derivatives of α-mono- and α,α'-diketo-pyrrolidines and -piperidines and tetrahydrophthalimides. 2,652,403, Sept. 15.

Buc, Saul R., and S. A. Glickman, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Alkyl diformyl phenylenediamines. 2,647,815, Aug. 4.

Buccanero, Celeste F., Wakefield, Mich. Water tube for fluid operated rock drills. 2,646,967, July 28.

Buccasio, Nicholas A., Binghamton, N. Y. Suction cleaning tool. 2,643,413, June 30.

Buccicone, Dario, Gary, Ind. Magnetic rail conveyer. 2,642,174, June 16.

Buccicone, Dario, Gary, Ind. Metal sheet lapping apparatus and method. 2,653,248, Oct. 13.

Buch, Peter E., Passaic, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,636,506, Mar. 3.

Buchal, Werner: *See*—
Woollens, Albert T., and Buchal.

Buchanan, David L.: *See*—
Dean, Walter B., and Buchanan.

Buchanan, Harry W.: *See*—
Church, James M., Ramsden, Hirschland, and Buchanan.

Buchanan, John C.: *See*—
Baker, James C., and Buchanan.

Buchanan, Josephine S., Sharon, Conn. Sectional collapsible pressing board. 2,637,919, May 12.

Buchanan, Lloyd W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single phase capacitor motor. 2,640,956, June 2.

Buchanan, Russell B., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording-completing cord and trunk circuits. 2,636,944, Apr. 28.

Buchanan Steel Products Corporation, assignee: *See*—
Mills, Edward L., and Donahue.

Buchel, Jules, Covington, assignor of one-third to E. Louque, New Orleans, La., and one-third to J. A. Whittington, Evanston, Ill. Continuous absorption refrigeration system. 2,653,454, Sept. 29.

Buchele, Donald R., Cleveland, and W. M. Buchele, Toledo, Ohio. Unitary catadioptric objective lens system. 2,638,033, May 12.

Buchele, William M.: *See*—
Buchele, Donald R. and W. M.

Bucher, Edward S.: *See*—
Le Compte, Frank M., and Bucher.

Bucher, Francis X.: *See*—
Lundburg, Frank J., and Bucher.

Bucher, Leon R., and O. K. Skiver, assignors to Hunter Douglas Corporation, Riverside, Calif. Venetian blind. 2,646,115, July 21.

Bucher, Rudolph S., Upper Darby, Pa. Game instruction apparatus. 2,643,466, June 30.

Buchholz, Arnold R., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin sorter control mechanism. 2,642,881, June 23.

Buchholz, Arnold R., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Coin sorting and counting machine. 2,642,882, June 23.

Buchholz, Arnold R., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Control mechanism for coin counting machines. 2,645,234, July 14.

Buchholz, Georgia R., San Francisco, Calif. Sleeping garment for infants. 2,651,781, Sept. 15.

Buchholz, William M., Miami, Fla. Fishing line washing and drying reel. 2,643,660, June 30.

Buchi, Alfred, Winterthur, Switzerland. Improvement in the construction of outlet guide devices for centrifugal pumps or blowers. 2,634,685, Apr. 14.

Buchi, Alfred, Winterthur, Switzerland. Turbine stage. 2,635,849, Apr. 21.

Büchi, Alfred, Winterthur, Switzerland. Air-bypass or surge control for supercharged internal-combustion engines. 2,636,341, Apr. 28.

Buchi, Alfred, Winterthur, Switzerland. Guide means on impeller for centrifugal pumps or blowers. 2,641,191, June 9.

Büchi, Alfred, Winterthur, Switzerland. Turbine. 2,641,442, June 9.

Büchi, Alfred, Winterthur, Switzerland. Rotor for compressing machines such as centrifugal blowers and pumps. 2,652,191, Sept. 15.

Büchi, Hans, Ruti, Schlossberg, Switzerland. Loom lug and check strap. 2,629,405, Feb. 24.

Buchinger, Clyde J., Perry Center, N. Y. Milking machine cleaner of the cleaning liquid circulating type. 2,624,355, Jan. 6.

Buchmiller, Earl P., Denver, Colo. Bingo board with pivoted shutter. 2,634,131, Apr. 7.

Buchner, Robert B.: *See*—
Schmitz, Mattheus J., and Buchner.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Marker control arrangement for selectors. 2,640,883, June 2.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for breaking contact resistance in a marker-controlled selector. 2,647,165, July 28.

Buchner, Robert B., Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron tube circuit. 2,654,029, Sept. 29.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Line circuit without relays. 2,657,270, Oct. 27.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Line-finder stopping circuit. 2,662,119, Dec. 8.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Control device for use in automatic signaling systems. 2,663,760, Dec. 22.

Bucholtz, Stephen A., assignee: *See*—
Balton, Charles A.

Buchta, Karl: *See*—
Jacobi, Werner, Hinderer, and Buchta.

Buchwalder, Julien J.: *See*—
Amand, Raymond H., and Buchwalder.

Buck, Foster, North Aurora, Ill., assignor to International Harvester Company. Seat with resiliently supported arm. 2,635,675, Apr. 21.

Buck, Frank A. M.: *See*—
Works, William R., and Buck.

Buck, Frank H., assignor to Atlas Powder Company, Wilmington, Del. Apparatus for recovering gas borne particles. 2,642,953, June 23.

Buck, Herman H., Grand Rapids, Minn. Anchor. 2,643,630, June 30.

Buck, James R.: *See*—
Buck, Russell E. and J. R.

Buck, Robert J., and W. H. Ball, Steubenville, Ohio. Adjustable mounting for distributor breaker points. 2,640,891, June 2.

Buck, Russell E., Kalamazoo, and J. R. Buck, Scotts, Mich. Adjustable chuck. 2,639,157, May 19.

Buck, Steward T., Cincinnati, Ohio. Portable hoisting tower. 2,653,685, Sept. 29.

Buck, Walter A., Los Angeles, Calif. Watch cleaning apparatus. 2,634,735, Apr. 14.

Buckbee, John A., Wellesley, assignor to Raytheon Manufacturing Company, Newton, Mass. Informational storage device. 2,661,442, Dec. 1.

Buckeridge, Roger M., Downers Grove, assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyer belt brake control system. 2,661,832, Dec. 8.

Buckeridge, Roger M., Downers Grove, and W. E. Goodman, assignors to Goodman Manufacturing Company, Chicago, Ill. Conveyer belt control. 2,649,955, Aug. 25.

Buckey, Kenneth M., P. M. Koons, and P. Spurlino, assignors to The National Cash Register Company, Dayton, Ohio. Classification designation change means for accounting machines. 2,625,330, Jan. 13.

Buckeye Aluminum Company, The, assignee: *See*—
Fry, Clifford W.
Porter, Kirk E.

Buckeye Cotton Oil Company, The, assignee: *See*—
Atkinson, James D., Jr., and Rogers.
Pazandak, Louis A.

Buckeye Iron & Brass Works, assignee: *See*—
Conklin, Robert M., and Herring.
Hillman, Othello M.
Reasoner, Richard C.

Buckeye Steel Castings Company, The, assignee: *See*—
Orr, Claude L.
Settles, James C.
Settles, James C., and Furniss.
Wolfe, Harry H.

Buckeye Tools Corporation, assignee: *See*—
Gummere, Harold O., and Linsker.

Buckingham, R. L., assignee: *See*—
Herrman, Harry W.

Buckingham, William D., Southampton, assignor to The Western Union Telegraph Company, New York, N. Y. Concentrated arc lamp. 2,662,196, Dec. 8.

Bucklus, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box lid. 2,626,191, Jan. 20.

Buckius, Albert O., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box lid. 2,642,319, June 16.

Buckland, Bruce O.: *See*—
Howard, Alan, and Buckland.
Howard, Alan, Buckland, and Rice.

Buckland, Bruce O., Schenectady, and G. B. Warren, Niskayuna, N. Y., assignors to General Electric Company. Variable area nozzle for high-temperature turbines. 2,651,496, Sept. 8.

Buckland, Bruce O., and C. S. Rice, Schenectady, N. Y., assignors to General Electric Company. Gas turbine rotor arrangement. 2,655,307, Oct. 13.

Buckland, Richard G., Pearisburg, Va., assignor to Celanese Corporation of America, New York, N. Y. Packaging device. 2,632,381, Mar. 24.

Buckle-Craft Co., assignee: *See*—
Torbert, Everyl M.

Buckley, Francis T., West Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Modified polyvinyl acetal compositions. 2,628,950, Feb. 17.

Buckley, Gerald D., Northwich, England, assignor to Imperial Chemical Industries Limited. Manufacture of oxidation products from unsaturated organic compounds. 2,636,898, Apr. 28.

Buckley, Gerard D., and N. H. Ray, Northwich, England, assignors to Imperial Chemical Industries Limited. Reaction of carbon monoxide and hydrazine. 2,640,831, June 2.

Bucklin, Walter S., Brookline, Mass. Apparatus for sharpening razor blades and other blades. 2,641,091, June 9.

Buckman Laboratories, Inc., assignee: *See*—
Dean, Charles W.

Buckman, Thomas P.: *See*—
Degnan, Leah L., and Buckman.

Buckmaster, Ray J. C., Detroit, Mich. Smoke abatement apparatus. 2,632,089, Mar. 17.

Bucknell, Ernest H., assignee: *See*—
Bletcher, Ralph E., and Bentley.

Bucknell, Mabel, assignee: *See*—
Bletcher, Ralph E., and Bentley.

Bucknell, William H., Norwalk, Conn., and E. Miessmer, Yonkers, assignors to Eastern Laboratories, Inc., New York, N. Y. Hair drier hood. 2,632,960, Mar. 31.

Buckner, Orello S., Northboro, assignor to Bay State Abrasive Products Co., Westboro, Mass. Reinforced abrasive articles and making the same. 2,643,945, June 30.

Bucksbaum, Arnold M., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic tuning circuit. 2,645,719, July 14.

Buckwalter, Rufus R., Miami, Fla., assignor to Hurri-On-Shutter Co., Inc. Storm shutter. 2,631,698, Mar. 17.

Buckwalter, Howard M.: *See*—
Cuthbertson, George R., Buckwalter, and Danielson.

Buckwalter, Howard M., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Protection of cellulose against heat aging. 2,650,891, Sept. 1.

Bucky, Gustav, New York, N. Y. Automatic photographic unit having synchronized shutter and light source. 2,638,039, May 12.

Bucsko, Eugene J., Royal Oak, Mich. Straightedge and level combination tool. 2,633,640, Apr. 7.

Bucy, Roy T.: *See*—
Syrovy, Augustin J., Dunn, and Bucy.

Bucy, Roy T., A. J. Syrovy, and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Semiautomatic transmission. 2,635,476, Apr. 21.

Bucyrus-Erie Company, assignee: *See*—
Atkinson, William P., and Davidson.
Blanchett, Luther E., and Steffen.
Davidson, Trevor O.
Haisch, Albert C.
Meier, Johann H.
Mork, George W.
Mork, George W., Marson, and Paulsen.
Reuter, Gottfried.

Bud, Hans, London, England. Counting device. 2,661,904, Dec. 8.

Buda Company, The, assignee: *See*—
Richards, Dwight.

Budd Company, The, assignee: *See*—
Baker, Paul E.
Bradhering, Walter.
Buyze, Edwin K.
Clary, Joseph F.
Coombes, Joseph H.
Coombes, Joseph H., and Mann.
Dean, Albert G.
Dean, Walter B.
Dean, Walter B., and Buchanan.
Eksergian, Carolus L.
Eksergian, Rupen, and Watter.
Kay, John G.
Kessler, Edwin L.
Lindsay, Alexander R.
Murphy, Goodrich K.
Pagon, Garrett D.
Ruska, William E.
Smith, George C.
Vahey, Stanley C.
Vahey, Stanley C., and Kain.

Budd Company, The, assignee: *See*—Continued.
Van Selver, Herbert D., II.
Watter, Michael.
Watter, Michael, and Eggert.
Whitesell, John C.

Budd, Larry J., Chicago, assignor to Pallet Devices, Inc., Des Plaines, Ill. Palletized shipping structure. 2,628,715, Feb. 17.

Budd, Larry J., Chicago, assignor to Pallet Devices, Inc., Melrose Park, Ill. Separator member for use in packing articles for shipment. 2,639,032, May 19.

Budd, Leighton, New York, N. Y. Headrest for cosmetic use. 2,634,435, Apr. 14.

Budd, Wilbert H., assignor to Chicago Telephone Supply Corporation, Elkhart, Ind. Variable resistance device. 2,628,298, Feb. 10.

Budd, Wilbert H., and A. M. Daily, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Shaftless electrical control instrumentality. 2,639,358, May 19.

Budish, Melvin, Worcester, Mass. Artificial teeth. 2,643,455, June 30.

Budlane, Stanley J., Chicago, Ill., assignor to Motorola, Inc. Liquid fuel burning heater and operating system therefor. 2,637,377, May 5.

Budlane, Stanley J., Chicago, Ill., assignor to Motorola, Inc. Pump. 2,638,849, May 19.

Budlane, Stanley J., assignor to Motorola, Inc., Chicago, Ill. Liquid fuel burning heater and operating system therefor. 2,642,933, June 23.

Budlane, Stanley J., assignor to Motorola, Inc., Chicago, Ill. Vehicle heater. 2,643,062, June 23.

Budner, Stephen A., assignee: *See*—
Mullins, James H.

Budney, Michael P., Newington, Conn. Universal locating drill press centering apparatus. 2,629,268, Feb. 24.

Budnick, Frank O., Chicago, Ill. Making handbags and products. 2,658,543, Nov. 10.

Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Rearview mirror structure. 2,629,286, Feb. 24.

Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Rearview mirror structure. 2,648,256, Aug. 11.

Budreck, Frances, assignor to Monarch Tool & Machinery Co., Chicago, Ill. Rear-vision mirror mounting structure of the universal type. 2,648,556, Aug. 11.

Budzyna, Theodore P., Worcester, Mass. Dustpan. 2,648,959, Aug. 18.

Budzyna, Walter J., East Douglas, Mass., and M. R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass. Lay motion for looms. 2,624,372, Jan. 6.

Budzyna, Walter J., East Douglas, Mass., and M. R. Flamand, Central Falls, R. I., assignors to Draper Corporation, Hopedale, Mass. Stop motion for looms. 2,647,545, Aug. 4.

Budzyna, Walter J., East Douglas, and W. H. Banks, assignors to Draper Corporation, Hopedale, Mass. Knockoff and letback means for looms. 2,663,328, Dec. 22.

Buechek, John, assignor to Paper Art Company, Inc., Indianapolis, Ind. Bulk paper plate wrapping machine. 2,656,659, Oct. 27.

Buechel, Pauline S., Richmond, Ind. Apparatus for cleaning hypodermic needles. 2,636,502, Apr. 28.

Buechler, Francis P., Ferdinand, Ind. Flexible roof ladder. 2,628,011, Feb. 10.

Buehler, Carl, Palatine, assignor to Victor Adding Machine Co., Chicago, Ill. Decimal indicator and marking guide. 2,633,967, Apr. 7.

Buehler, Maurice E., San Diego, Calif. Mechanical time comparator mechanism. 2,663,863, Dec. 22.

Buelner, Howard A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Flexible seam testing device. 2,660,053, Nov. 24.

Buell, Halsey W.: *See*—
Foss, Carl W., and Buell.

Buell, Timothy B., and H. R. Leber, assignors to Sundstrand Machine Tool Co., Rockford, Ill. Automatic multiple cycle apparatus for machine tools. 2,630,038, Mar. 3.

Buergi-Schenk, Hélène, Sankt Gallen, Switzerland. Hair-fastening means retainable in its position for use. 2,649,763, Aug. 25.

Buerki, Christian E.: *See*—
Gappa, William L., and Buerki.

Bues, Harvey A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fabricated casing structure. 2,656,064, Oct. 20.

Buescher, Wilbert C., Alhambra, assignor to General Controls Co., Glendale, Calif. High-pressure valve. 2,631,612, Mar. 17.

Buescher, Wilbert C., Alhambra, assignor to General Controls Co., Glendale, Calif. Hinge construction. 2,646,188, July 21.

Buess, Laverne E., Tallmadge, Ohio, assignor to General Electric Company. Control system for dynamoelectric machines. 2,636,996, Apr. 28.

Buettner, Arthur J. C., Dallas, Tex. Brake system filter and indicator. 2,661,847, Dec. 8.

Buffalo Brake Beam Company, assignee: *See*—
Busch, Charles R.

Buffalo-Eclipse Corporation, assignee: *See*—
Yoder, Howard D.

Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Greenspan, Frank P.
Greenspan, Frank P., and MacKellar.
Kauffmann, Hans O., and Whalen.
McEwen, Robert L., Sheldon, and Schroeder.
Shanley, Edward S., and Kauffmann.
Buffalo Forge Company, assignee: *See*—
Heath, William R.
Yates, Arthur T.
Buffet, Arthur A., Bondy, assignor to Etablissements Marret, Bonnin, Lebel & Guieu, Paris, France. Flexible tubing or casing. 2,649,778, Aug. 25.
Buffum, Albert C., Winchester, assignor, by mesne assignments, to Badger Manufacturing Company, Cambridge, Mass. Heat exchanger for internal-combustion engines. 2,637,305, May 5.
Buffum, Albert C., Winchester, assignor, by mesne assignments, to Badger Manufacturing Company, Cambridge, Mass. Engine-driven vapor compression distillation. 2,637,684, May 5.
Buford, William J., Houston, Tex. Crab trap. 2,639,540, May 26.
Bügel, Roelof D., G. H. Jonker, and J. H. van Santen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Combination of at least two condensers electrically connected in parallel. 2,642,476, June 16.
Bugenhagen, George H., Minot, N. Dak. Coil spring construction. 2,631,840, Mar. 17.
Bugenhagen, George H., Minot, N. Dak. Panel edge grooving attachment for electric handsaws. 2,656,863, Oct. 27.
Bugg, Kenly C., assignor to Materials Blasting Company, Inc., Fort Wayne, Ind. Blasting shell and timing means therefor. 2,625,104, Jan. 13.
Bugg, Kenly C., assignor, by mesne assignments, to Kendick Manufacturing Company, Inc., Fort Wayne, Ind. Coil winding device. 2,638,943, May 19.
Bugg, Kenly C., assignor to Materials Blasting Company, Inc., Fort Wayne, Ind. Blasting shell and firing mechanism therefor. 2,645,181, July 14.
Bugg, Kenly C., assignor to Kendick Manufacturig Company, Inc., Fort Wayne, Ind. Balanced valve. 2,645,448, July 14.
Bugg, Kenly C., assignor to Materials Blasting Company, Inc., Fort Wayne, Ind. Blasting cartridge. 2,650,540, Sept. 1.
Buggs, Otto E.: *See*—
Fraunfelder, Frederick D., Burner, and Buggs.
Buhler, Eugen, Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Rotary selective printer. 2,627,807, Feb. 10.
Buhler, Eugen, Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Check writing interpreter. 2,661,684, Dec. 8.
Buhler, Gebruder, assignee: *See*—
Thalmann, Emil.
Bühler, Hermann, assignor to Maag Zahnräder und-Maschinen, A. G., Zurich, Switzerland. Gear grinding machine. 2,628,458, Feb. 17.
Buhr, August G., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rear mounted implement for tractors. 2,625,869, Jan. 20.
Buhr, August G., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fertilizer dispensing mechanism. 2,656,073, Oct. 20.
Buhrendorf, Frederick G., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for the winding of endless bands. 2,642,281, June 16.
Buhrendorf, Frederick G., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recording-reproducing device. 2,658,114, Nov. 3.
Bührer, Robert, Freuenfeld, assignor to J. Mader, Saint Gallen, Switzerland. Comb. 2,630,126, Mar. 3.
Buickerood, Theodore A., El Cerrito, Calif. Adapter for faucets. 2,627,387, Feb. 3.
Buie, Emerson D., Washington, D. C. Diving suit. 2,626,602, Jan. 27.
Builders Iron Foundry, assignee: *See*—
Thoresen, John C.
Builders Ornamental Iron Company, assignee: *See*—
Elam, Jess L.
Buildice Company, Inc., assignee: *See*—
Boyle, John R.
Building Products Limited, assignee: *See*—
Lawson, William A.
Buist, Colin, London, England, assignor to Coalite and Chemical Products Limited. Pitch mastic for flooring. 2,658,005, Nov. 3.
Buitelaar, François, Vlaardingen, assignor to N. V. "De Zilbervisch," Rotterdam, Netherlands. Preparing essence D'Orient or pearl tincture. 2,644,001, June 30.
Buivid, Michel D., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Antiflapping lock. 2,628,686, Feb. 17.
Buivid, Michel D., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor head. 2,638,994, May 19.
Bujak, Henry C., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,650,484, Sept. 1.
Buker, Charles B., Birmingham, Mich., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Device for bend testing sheets. 2,646,679, July 28.
Bukolt, Victor J., Stevens Point, Wis. Child's bed or crib. 2,630,582, Mar. 10.
Bukolt, Victor J., Stevens Point, Wis. Drop side crib. 2,641,775, June 16.
Bukolt, Victor J., Stevens Point, Wis. Slidable connection for the drop sides of cribs. 2,652,575, Sept. 22.
Bulcao, Wilbur H., assignor to Horix Manufacturing Company, Pittsburgh, Pa. Filling machine valve. 2,660,359, Nov. 24.
Bull, Arthur W., Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Tire tread having adjustable traction device. 2,627,888, Feb. 10.
Bulla, James J., Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Quick detachable connector for interconnecting terminals. 2,628,263, Feb. 10.
Bullard Company, The, assignee: *See*—
Bullard, Edward P.
Bullard, Edward P., III.
Bullard, Edward P., and Tomenceak.
Bullard, Edward P., Fairfield, Conn., assignor to The Bullard Company. Way construction. 2,654,640, Oct. 6.
Bullard, Edward P., III, Fairfield, Conn. Article of footwear. 2,638,601, May 19.
Bullard, Edward P., III, Fairfield, Conn. Article of footwear. 2,638,690, May 19.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Machine tool centering device. 2,643,571, June 30.
Bullard, Edward P., III, Fairfield, and A. A. Tomenceak, Bridgeport, Conn., assignors to The Bullard Company. Floating chuck. 2,657,064, Oct. 27.
BullDog Electric Products Company, assignee: *See*—
Platz, Elwood T.
Robertson, William, and Higgins.
Bulliet, Leander J.: *See*—
Johnson, Frederick M., and Bulliet.
Bullitt, Orville H., Jr., Newtown Square, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of pyridine alcohols from pyridine N-oxides. 2,663,711, Dec. 22.
Bullock, Giles E., Rochester, N. Y. Fruit picking apparatus. 2,661,587, Dec. 8.
Bullock, Joseph C.: *See*—
Berk, Leslie H., and Bullock.
Bullock, Norman J.: *See*—
Geyer, Howard M., and Bullock.
Bullock, Ward E.: *See*—
Lawson, Bert E., and Bullock.
Bulloneria e Viteria Italiana B. E. V. I., assignee: *See*—
Chiaberta, Serafino.
Bullwinkle, Walter H., Fairbanks, Alaska. Mechanism for handling and elevating discrete material. 2,657,813, Nov. 3.
Bulman, E. O., Manufacturing Company, Inc., The, assignee: *See*—
Stephenson, Alpha W.
Bulmash, Albert, I. J. Polansky, and N. C. Irby, Baltimore, Md. Auto stroller. 2,625,982, Jan. 20.
Bulmer, William C., Aspinwall, Pa. Furnace skewback-channel cooler. 2,632,428, Mar. 24.
Bulova, Ardé, New York, N. Y. Jewel bearing and making same. 2,645,078, July 14.
Bump, Albert H.: *See*—
Wilson, William S., and Bump.
Bump Pump Co., The, assignee: *See*—
Dale, Vernon F., and Reed.
Bunblasky, Adolph, New Canaan, assignor to Sorensen & Company, Inc., Stamford, Conn. Thyratron inverter circuit. 2,664,537, Dec. 29.
Bunce, Alan, Stamford, Conn. Detachable shelf for instrument boards of automobiles. 2,628,140, Feb. 10.
Bunce, John P., Rochester, N. Y. Container having a movable bottom. 2,643,662, June 30.
Bunch, Peter, Chicago, P. Mittomme, Cicero, and R. Jennings, assignors to Wilson-Jones Company, Chicago, Ill. Casemaker. 2,656,551, Oct. 27.
Bunch, Robert L., and J. M. McGuire, assignors to Eli Lilly and Company, Indianapolis, Ind. Erythromycin, its salts, and preparation. 2,653,899, Sept. 29.
Bunch, Tillman T., Ashland, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for locking cop tubes on cop winding machines. 2,656,127, Oct. 20.
Bundy, Francis P.: *See*—
Strong, Herbert M., and Bundy.
Bundy, Oswald M.: *See*—
Few, William, and Bundy.
Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.
Wallace, Arthur M.
Bungardt, Walter, assignor to Th. Goldschmidt A.-G., Essen, Germany. Manufacture of cerium-iron-alloy flints. 2,660,301, Nov. 24.
Bungay, Charles, assignee: *See*—
Petch, Howard D.
Bungay, George W., assignor to Oxy-Dry Sprayer Corporation, New York, N. Y. Make-ready preparing press. 2,624,389, Jan. 6.

Bungay, George W., assignor to Electrographic Corporation, New York, N. Y. Electrotyper's case. 2,651,614, Sept. 8.
Bunker, Thomas H., Jackson Heights, N. Y. Electrical testing apparatus for hermetically sealed refrigerator pump units. 2,631,187, Mar. 10.
Bunnell, Norman R., Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing flow characteristics of granular materials. 2,633,027, Mar. 31.
Bunnell, Raymond H.: *See*—
Hatcher, David B., and Bunnell.
Bunnell, Raymond H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Stable liquid organosiloxanes. 2,624,749, Jan. 6.
Bunnell, Raymond H., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of silicon-containing heteropolymers. 2,632,755, Mar. 24.
Bunodiere, Andre: *See*—
Bourgonnier, Claude, Jouguet, and Bunodiere.
Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated camphor and fenchone as insecticides. 2,657,164, Oct. 27.
Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated dicyclohexadiene and insecticidal compositions containing the same. 2,657,165, Oct. 27.
Buntin, George A., assignor to Hercules Powder Company, Wilmington, Del. Polychloro bicyclo heptanes as insecticides. 2,657,168, Oct. 27.
Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Controllable load transfer hitch for tractors. 2,627,796, Feb. 10.
Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Constant pressure hydraulic power transmitting system. 2,627,815, Feb. 10.
Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Power lift for tractors. 2,632,628, Mar. 24.
Bunting, Ernest V., assignor to Harry Ferguson, Inc., Dearborn, Mich. Tractor-mounted two-way plow. 2,655,852, Oct. 20.
Bunting Publications, Inc., The, assignee: *See*—
Sick, John V.
Buono, Mario, assignor to U. S. Blind Stitch Machine Corp., New York, N. Y. Sewing machine. 2,627,828, Feb. 10.
Bur, Armand, Cleveland, assignor of one-half to J. F. and J. W. Robb, Cleveland Heights, and F. B. Robb, Cleveland, Ohio. Method and apparatus for gas sampling and recording analyses and temperatures. 2,648,976, Aug. 18.
Burbank, Wendell T., Three Rivers, assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for packaging stacked hollow ware such as nested paper cups or the like. 2,641,095, June 9.
Burbank, Wendell T., and C. T. Colgren, assignors to Sutherland Paper Company, Kalamazoo, Mich. Machine for manufacturing container elements and the like. 2,654,343, Oct. 6.
Burbridge D. H., assignee: *See*—
Kritzer, Richard W.
Burby, Philip E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,638,610, May 19.
Burch, Alvan V.: *See*—
Rude, John F., and Burch.
Burch Company, The, assignee: *See*—
Bianco, Henry J.
Burch, Donald J., Denver, Colo. Caulking compound tube. 2,649,999, Aug. 25.
Burch, Frank E., Detroit, Mich. Boot hanger. 2,641,366, June 9.
Burch, Hadley K.: *See*—
Burch, Lyndon W., and H. K.
Burch, Lewis D., Detroit, Mich. Multiple stage rotary translation engine. 2,632,998, Mar. 31.
Burch, Lyndon W., New York, N. Y., and H. K. Burch, Danbury, Conn. Motion translating device. 2,630,504, Mar. 3.
Burch, Marble E., Hayfork, assignor of one-half to F. C. Shaklee, Sr., Oakland, Calif. Tractor mounted grab device for hay and the like. 2,652,939, Sept. 22.
Burch, Paul F.: *See*—
Runnells, David L., Jr., and Burch.
Burch Plow Works, Inc., assignee: *See*—
Rude, John F., and Burch.
Burcham, Walter E., Elkin, N. C. Shuttle box front for looms. 2,626,636, Jan. 27.
Burchartz, Josef, Detmold, Germany. Lining for centrifugal iron casting molds. 2,645,558, July 14.
Burchenal, Charles H., assignor to Cambridge Tile Manufacturing Company, Cincinnati, Ohio. Making blended tile. 2,654,912, Oct. 13.
Burchett, Estill E.: *See*—
McDonough, Marshall J., and Burchett.
Burchett, Ray L., East Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pen construction. 2,649,074, Aug. 18.
Burchett, Ray L., East Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Detachable valve closure. 2,657,563, Nov. 3.
Burckel, Christian E., Yonkers, N. Y. Ruling and striping device. 2,638,673, May 19.
Burckel, Christian E., Yonkers, N. Y. Ruling and striping device. 2,660,951, Dec. 1.
Burckhardt, Alfred: *See*—
Herrick, William W., and Burckhardt.
Burd & Fletcher Co., assignee: *See*—
Fehrenkamp, Emil W.
Burden, Glenn E., assignee: *See*—
Burden, Oscar J.
Burden, Oscar J., assignor of one-half to G. E. Burden, Alliance, Ohio. Liquid display clock. 2,625,003, Jan. 13.
Burden, Oscar J., Alliance, Ohio. Apparatus for abrading bisque ware. 2,660,835, Dec. 1.
Burdick-Baron Company, assignee: *See*—
Hill, Eldon J.
Burdick, Charles A., Kenosha, Wis. Micrometer caliper. 2,627,663, Feb. 10.
Burdick, Edwin C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air actuated power cylinder control with rate response. 2,637,301, May 5.
Burdick, Edwin C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Controller having means for manually adjusting the set point with a varying ratio of motion multiplication. 2,654,062, Sept. 29.
Burdick, Everette M., Weslaco, and R. H. Maurer, Pharr, assignors to Texsun Citrus Exchange, Weslaco, Tex. Isolation of flavanone glucosides. 2,630,432, Mar. 3.
Burdick, Harry J. M., Anaheim, Calif. Projectable nozzle lawn sprinkler. Re. 23,646, Apr. 21.
Burdick, Hugh, assignor to Illinois Tool Works, Chicago, Ill. Door lock retainer. 2,629,248, Feb. 24.
Burdick, Hugh T., assignor to Illinois Tool Works, Chicago, Ill. Elastic locking insert secured by thread rolling. 2,663,344, Dec. 22.
Burdick, John N., Kenmore, and H. E. Kinne, Lockport, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Evacuating, filling, sealing, and releasing gas in a container. 2,649,993, Aug. 25.
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Armrest and brace for composite metal and wood chairs. 2,652,102, Sept. 15.
Burdick, Richard, Dallas, Tex. Self-contained advertising diorama. 2,634,529, Apr. 14.
Burdick, Richard, Dallas, Tex. Means for decorating screen wire. 2,634,789, Apr. 14.
Burdick, Richard, Dallas, Tex. Advertising device. 2,651,128, Sept. 8.
Burdick, Ruth, assignee: *See*—
Wittstock, Alfred G.
Burdin, Nelson V., Coventry, assignor to Scotts Engineering (Newport) Limited, Newport, England. Bottle capping machine with means for controlling the force on capping plungers. 2,664,013, Dec. 29.
Burdwood, Howard A., Portland, Maine. Multibladed disk knife slitting mechanism. 2,662,598, Dec. 15.
Bureau, Achille G., Forest Hills, assignor to J. A. Cahil, doing business as Cahil Manufacturing Company, New York, N. Y. Can opener bracket. 2,640,673, June 2.
"Bureau Technique Gautrat," S. A. R. L., assignee: *See*—
Neumann, Georg.
Burford, William B., III: *See*—
Fowler, Robert D., and Burford.
Burg, George W., Portland, Oreg. Stock transfer truck. 2,630,961, Mar. 10.
Burg, Leo R., West Bend, Wis. Ice fishing rig. 2,624,972, Jan. 13.
Burgan, Joseph N., Ambridge, Pa. Ventilator. 2,641,987, June 16.
Burge, James S., Anderson, H. J. McKee, Middletown, and R. M. Goodwin, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Machine for making electrical coils. 2,624,374, Jan. 6.
Burge, James S., and R. M. Goodwin, Anderson, and H. J. McKee, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich. Coil handling apparatus. 2,635,767, Apr. 21.
Burge, James S., F. J. Foust, W. C. Shaw, and W. M. Rider, Anderson, and H. J. McKee, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for welding a terminal clip to a wire. 2,637,798, May 5.
Burger, Alfred, Charlottesville, Va., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Thienyl and pyridyl esters. 2,638,471, May 12.
Burger, Gustav F., Camden, and J. H. Reisner, Collingswood, N. J., assignors to Radio Corporation of America. Gasket seal for laterally adjustable joints. 2,649,313, Aug. 18.
Burger, Irving A., Stratford, Conn. Jar clip. 2,633,323, Mar. 31.
Burger, Martin: *See*—
Fahey, Richard J., and Burger.
Burger, Martin, Morris, Ill., assignor to General Package Corporation. Carton setup machine. 2,655,081, Oct. 13.
Burger, Martin, Morris, Ill., assignor to General Package Corporation. Egg carton. 2,664,233, Dec. 29.
Burger, Martin, Morris, Ill., assignor to General Package Corporation. Egg carton. 2,664,234, Dec. 29.

Burger, W. D., assignee: *See*—
Martin, William F.

Burgess Battery Company, assignee: *See*—
Arbogast, Ray D.
Coleman, Joseph J., and Kurlandsky.
Coleman, Joseph J., and Wilke.
Porth, Henry W.
Simpson, Arthur W.
Wilke, Milton E.

Burgess, Edward G., Jr., Kew Gardens, assignor to The Sperry Corporation, Long Island City, N. Y. Means for testing torpedo depth control mechanism. 2,649,750, Aug. 25.

Burgess, Glenn A., Lynwood, assignor to The Garrett Corporation, Los Angeles, Calif. Air conditioning means for enclosures. 2,628,482, Feb. 17.

Burgess, Hubert N., Rockford, Ill. Hand signal light. 2,656,529, Oct. 20.

Burgess, James Q., West Hartford, assignor to Plax Corporation, Hartford, Conn. Method and apparatus for making articles from biaxially oriented thermoplastic sheet material. 2,659,934, Nov. 24.

Burgess, Louis, Jersey City, N. J. Coffee maker. 2,649,041, Aug. 18.

Burgess-Manning Company, assignee: *See*—
Chipley, Alfred S.
Emery, Neville R., and Robards.
Jorn, Albert T.
Jorn, Albert T. and A.
Leadbetter, Ralph L., Chipley, and Certik.
Marquardt, John A.

Burgess, Russell H., assignor to Drying Systems, Inc., Chicago, Ill. Bread cooling and conditioning system. 2,643,523, June 30.

Burgess, Thomas, New Bedford, Mass. Baseball game. 2,645,489, July 14.

Burggren, Robert C.: *See*—
Rusler, George W., Jr., and Burggren.

Burghoff, Louis R., Forestville, assignor to The E. Ingraham Company, Bristol, Conn. Case for timepieces and the like. 2,660,857, Dec. 1.

Burgison, Raymond M., and S. E. Forman, Baltimore, and D. G. Zink, Linthicum, Md., assignors, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Removal of oxygenated organic compounds from hydrocarbons. 2,657,227, Oct. 27.

Burgoyne, Edward E.: *See*—
Condon, Francis E., and Burgoyne.

Burgoyne, Edward E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Condensation of alcohols in the presence of calcium hydroxide. 2,645,667, July 14.

Burgoyne, Edward E., Bartlesville, Okla., and F. E. Condon, Borger, Tex., assignors to Phillips Petroleum Company. Condensation of alcohols in the presence of calcium oxide. 2,645,668, July 14.

Burhans, Allison S.: *See*—
Merz, Paul L., Witzel, and Burhans.

Burian, Kurt: *See*—
McMaster, Archie J., Kitto, and Burian.

Burk, Harold L.: *See*—
Burk, William R., and H. L.

Burk, William R., and H. L., Canton, Mo. Automobile theft prevention device. 2,637,407, May 5.

Burkardt, Anton F., New York, N. Y. Variable racing game apparatus. 2,650,828, Sept. 1.

Burkardt, Anton F., New York, N. Y., assignor to Sativa Corporation. Yarn made of blended fibers. 2,653,441, Sept. 29.

Burkardt, Anton F., New York, N. Y., assignor to Sativa Corporation. Making yarns. 2,656,671, Oct. 27.

Burkardt, Anton F., New York, N. Y., assignor to Sativa Corporation. Preshrunk yarn or fabric. 2,657,717, Nov. 3.

Burkart, Edward H.: *See*—
Simon, Eli, Thomas, and Burkart.

Burke, Byran R.: *See*—
Bartlam, Thomas C., Burke, and Wiser and Engstrom.
Wiser, Douglas R., Bartlam, and Burke.

Burke, Charles E., Norfolk, Va. Back rest. 2,659,420, Nov. 17.

Burke, Dolores, Jackson Heights, N. Y. Puppet doll. 2,655,762, Oct. 20.

Burke, George F. C.: *See*—
Leahy, James F., and Burke.

Burke, George F. C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Insole assembling machine. 2,649,596, Aug. 25.

Burke, George F. C., Fairhaven, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in making insoles. 2,639,447, May 26.

Burke, James A., assignee: *See*—
Gibbons, Melvin W.

Burke, James P., Poland, assignor to M. M. Fibus and J. Marcus, Youngstown, Ohio. Air pump and accumulator. 2,660,334, Nov. 24.

Burke, Joan, East Cleveland, Ohio. Dustless ash scoop. 2,637,588, May 5.

Burke, John C.: *See*—
Jurist, Alfred E., Burke, and Gaunt.

Burke, Joseph R., Seattle, Wash. Composite panel. 2,652,600, Sept. 22.

Burke, Louis L., Connersville, Ind., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Severable counter top for kitchen cabinet installation. 2,654,648, Oct. 6.

Burke, Ralph L., assignee: *See*—
Wasley, Roy E.

Burke, Stephen T., Jr., Astoria, assignor of twenty-five per cent to Henry Behr, Jamaica, N. Y. Expansible core for coils of rope or the like. 2,644,650, July 7.

Burke, Wilbur B., Cleveland, Ohio. Window construction. 2,630,607, Mar. 10.

Burke, Wilbur B., East Cleveland, Ohio. Window construction. 2,631,337, Mar. 17.

Burke, Wilbur B., East Cleveland, Ohio. Window structure. 2,640,568, June 2.

Burke, William F., and O. F. Simpson, assignors to The McBee Company, Athens, Ohio. Burning-in machine. 2,651,702, Sept. 8.

Burke, William O., assignor to National Lock Co., Rockford, Ill. Lid balancing hinge and support. 2,638,621, May 19.

Burke, William O., assignor to National Lock Company, Rockford, Ill. Spring hinge for low-temperature cabinets. 2,641,019, June 9.

Burkert, Franz, assignor of one-half to Hilde Saliger, Vienna, Austria. Winding patient lift and turning mechanism. 2,655,667, Oct. 20.

Burkett, Wilford B.: *See*—
Kircher, Ralph N., Heidner, and Burkett.

Burkey, Harry S., Lancaster, Pa. Sounding whirling disk toy. 2,662,337, Dec. 15.

Burkhard, Henry F., near Long Branch, N. J. Lightproof seam and making the same. 2,651,049, Sept. 8.

Burkhardt, Adolph E., Poland, Ohio. Wheeled motor carrying attachment. 2,625,230, Jan. 13.

Burkhardt, George R., Chicago, Ill. Railway rail. Re. 23,745, Dec. 1.

Burkhardt, Harold H., assignor to Millers Falls Company, Greenfield, Mass. Power-operated rotary impact wrench. 2,662,434, Dec. 15.

Burkhardt, Otto M., Euclid, Ohio. Pressure cooker. 2,626,560, Jan. 27.

Burkhardt, Otto M., Euclid, Ohio. Cooking utensil. 2,626,726, Jan. 27.

Burkhardt, Otto M., Euclid, Ohio. Cooking utensil. 2,637,463, May 5.

Burkhart, Robert L., Pearl River, N. Y., and J. J. Vance, Park Ridge, N. J., assignors to American Cyanamid Company, New York, N. Y. Aureomycin ointment. 2,640,801, June 2.

Burkhart, William H., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Magnetic tape error control. 2,628,346, Feb. 10.

Burkhead, Polly: *See*—
Brenner, Abner, and Burkhead.
Brenner, Abner, Burkhead, and Sentel.

Burkholder, Josephine, administratrix: *See*—
Klay, George H.

Burkholder, Melvin S.: *See*—
Hardy, Wilbur G., and Burkholder.

Burkholder, Melvin S., Beaverdam, assignor of one-half to W. G. Hardy, Wapakoneta, Ohio. Ridge grinder for engine cylinders. 2,659,186, Nov. 17.

Burkland, Carl J., assignor of one-half to E. Haubrich, Chicago, Ill. Electric fan. 2,663,494, Dec. 22.

Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Load equalizing device for thrust bearings. 2,626,842, Jan. 27.

Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Load equalizing device for thrust bearings. 2,630,354, Mar. 3.

Burlein, Lester F., assignor to Cloverleaf-Freeland Corporation, Honesdale, Pa. Doubled bushed center core bobbin. 2,661,912, Dec. 8.

Burleyson, William H., Baltimore, Md. Portable food container having an electric heating element. 2,629,042, Feb. 17.

Burman, Joseph O., Jr., East Bridgewater, assignor to A. A. Augat Machine & Tool Co. Inc., Attleboro, Mass. Ribbon winding machine. 2,635,822, Apr. 21.

Burman, Paul G.: *See*—
Humber, John N., Hogeman, and Burman.

Burmeister, Harry: *See*—
Krönig, Walter, Seeles, and Burmeister.

Burmeister, Howard F., Harvey, assignor to Royal Electric Manufacturing Co., Chicago, Ill. Disconnect switch. 2,662,133, Dec. 8.

Burmeister, Robert M., Pasadena, Calif. Luggage carrier for motor vehicles. 2,639,848, May 26.

Burn, Lewis, London, England, H. Todd, Holywell, Wales, and J. Oliver, Coventry, England. Rotary granulating machine. 2,639,747, May 26.

Burn, Philip H., Forest Hills, N. Y. Automatic traffic directing device for garages. 2,644,150, June 30.

Burn, Philip H., Forest Hills, A. Graham, New York, and A. G. Lorimer, Douglaston, N. Y. All ramp garage. 2,659,109, Nov. 17.

Burnam, Thompson W., Long Beach, Calif., and G. D. Ramsay, Dallas, Tex. Fire extinguishing nozzle and distributor head. 2,647,800, Aug. 4.

Burnbaum, Jack, Watertown, assignor to Bradford Novelty Co., Inc., Cambridge, Mass. Illuminated decoration with reflector. 2,646,497, July 21.

Burndept Limited, assignee: *See*—
Linton, Alfred, and Lewis.

Burndy Engineering Company, assignee: *See*—
Dupre, Henry P.

Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P., and Matthysse.
Lee, Marvin.
Matthysse, Irving F.
Matthysse, Irving F., and Pellier.
Rogoff, Julian.

Burnell, Milo, assignor to Crown Cork Specialty Corporation, Decatur, Ill. Cap applying apparatus. 2,647,672, Aug. 4.

Burnell, Robert H., Washington, D. C. Burglar trap. 2,637,284, May 5.

Burner, Elva L.: *See*—
Fraunfelder, Frederick D., Burner, and Buggs.

Burness, Donald M.: *See*—
Allen, Charles F. H., and Burness.

Burnett, Alexander H., Chicago, and J. J. Prohaska, La Grange, assignors to Swift & Company, Chicago, Ill. Sausage link forming machine. 2,651,808, Sept. 15.

Burnett, Edward N., Oakland, Calif., assignor to Gerber Products Company, Fremont, Mich. Valve construction. 2,642,894, June 23.

Burnett, Edward N., San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich. Container construction. 2,634,041, Apr. 7.

Burnett, Edward N., San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich. Assembling and gluing for interlocking containers. 2,651,153, Sept. 8.

Burnett, Edward N., San Lorenzo, Calif., assignor to Gerber Products Company, Fremont, Mich. Container construction. 2,651,449, Sept. 8.

Burnett, Howard V., Sanger, Calif. Combination of picking buckets and cushioning liners therefor. 2,630,938, Mar. 10.

Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Torus chamber type hydrokinetic torque converter. 2,634,584, Apr. 14.

Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid transmission. 2,657,592, Nov. 3.

Burnett, Robert E.: *See*—
Nordland, Birger W., and Burnett.

Burnett, Robert E., and B. W. Nordlander, Schenectady, N. Y., assignors to General Electric Company. Oxygenated polymerizable acrylic acid type esters and preparing and polymerizing the same. 2,628,178, Feb. 10.

Burnett, Robert L., Overton, England, assignor to Imperial Chemical Industries Limited. Apparatus for the purification of calcium. 2,650,085, Aug. 25.

Burnett, Rudolph S., Memphis, Tenn. Veneer cutting machine. 2,642,136, June 16.

Burnett, William E.: *See*—
Kubler, Otto A., and Burnett.

Burnette, Llewellyn W., Easton, Pa., and J. M. Cross, Washington, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Polyglycol ethers of alkyl phenol sulfides. 2,629,743, Feb. 24.

Burnette, Virgil, assignee: *See*—
Chetlan, Carl H.

Burney, Charles D., assignor to Fresh Frozen Foods Ltd., London, England. Trawling otter. 2,661,562, Dec. 8.

Burney, Donald E., Griffith, and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparation of improved motor fuel. 2,628,981, Feb. 17.

Burney, Donald E., Griffith, Ind., and W. J. Cerveny, Lansing, assignors to Standard Oil Development Company, Chicago, Ill. Selective hydrogenation of oxo-process aldehydes. 2,658,083, Nov. 3.

Burnham, Edwin, Glenview, assignor to R. C. Brown, Jr., Highland Park, Ill., as trustee. Position indicating means for X-ray projectors. 2,659,824, Nov. 17.

Burnham, John, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Production of insulated condenser electrodes. 2,647,079, July 28.

Burnham, Marston, assignee: *See*—
Prizer, Eugene L.

Burnham, Virgil A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Mechanism for drafting rayon tow. 2,640,228, June 2.

Burnight, Thomas R., Washington, D. C., and R. A. Emmett, Jr., U. S. Navy. Synchronizing system. 2,658,196, Nov. 3.

Burns, Clifford M., Tacoma, Wash. Artificial fishing lure. 2,642,695, June 23.

Burns, Earl A., New Baltimore, assignor to Woodall Industries Inc., Detroit, Mich. Pusher attachment for presses. 2,653,661, Sept. 29.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Flexible storm window securing means. 2,624,404, Jan. 6.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Center bar for flexible storm windows. 2,660,239, Nov. 24.

Burns, Grover P., Fredericksburg, Va. Thermometer. 2,651,202, Sept. 8.

Burns, Henry L., Portland, Oreg. Disposable breathing mask. 2,634,724, Apr. 14.

Burns, Jabez, & Sons, Inc., assignee: *See*—
Scull, William S., 2d, and Fisher.

Burns, Leonard S.: *See*—
Banister, Guy, and Burns.

Burns, Leslie L., Jr.: *See*—
Luck, David G. C., and Burns.
Roberts, Walter van B., and Burns.

Burns, Leslie L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Adjustable tuning for mechanical resonators. 2,647,949, Aug. 4.

Burns, Meryl C.: *See*—
Giel, George J., Jr., and Burns.

Burns, Robert S., and R. L. Solter, assignors to Armco Steel Corporation, Middletown, Ohio. Production of coated soft iron and steel sheets. 2,656,285, Oct. 20.

Burns & Russell Company of Baltimore City, assignee: *See*—
Russell, Alexander H.

Burns, William A., and W. F. Johnson, Richland, Wash., assignors to the United States of America as represented by the United States Atomic Energy Commission. Plate design for pulse columns. 2,662,001, Dec. 8.

Burns, William E.: *See*—
Knapp, George P., Burns, Robbins, and Zwack.
Stead, Richard H., and Burns.
Swenson, James A., Burns, and Stead.

Burnside, Walter M., assignor to R. T. Moloney, Chicago, Ill. Coin control. 2,627,961, Feb. 10.

Burnwell Incinerator Corporation, assignee: *See*—
Blum, Joseph K.

Buroker, Leo R., Dallas, Tex. Ash tray. 2,626,615, Jan. 27.

Buroker, Leo R., Dallas, Tex. Ash tray. 2,626,616, Jan. 27.

Buron, Harry A., assignor to Arthur D. Little, Inc., Cambridge, Mass. Making lightweight aggregate. 2,654,137, Oct. 6.

Burr, Gordon A., Pruitt, Ark. Pivoted blade cultivator. 2,659,285, Nov. 17.

Burr, Linton B., assignor to International Steel Company, Evansville, Ind. Drain valve for refrigeration cars. 2,631,683, Mar. 17.

Burr, Ned, assignor to Chicago Cardboard Company, Chicago, Ill. Display frame. 2,641,858, June 16.

Burr, Richard: *See*—
Colin, Jules, Burr, and Gafannesch.

Burrell, Ellis, Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Spin-testing device. 2,655,033, Oct. 13.

Burrell, Frank C., assignor to General Motors Corporation, Detroit, Mich. Hydraulic valve lifter leak-down tester. 2,635,464, Apr. 21.

Burrell, Gilbert: *See*—
Dolza, John, Burrell, Sherrick, and Schilling.

Burrell, Kenneth D., and R. C. Latson, Zephyrhills, Fla. Pressure-starting motor control device. 2,649,552, Aug. 18.

Burrell, Robert, West Haven, Conn. Target baseball game. 2,657,931, Nov. 3.

Burrell, William E., Portland, Oreg. Lubricator for wheel flanges. 2,626,680, Jan. 27.

Burreson, Zina, Sheboygan, assigner to Presto Industries, Inc., Eau Claire, Wis. Temperature indicator for hand pressing irons. 2,653,480, Sept. 29.

Burress, Lawrence O., Moline, Ill. Window opening and closing mechanism. 2,662,766, Dec. 15.

Burrill, Ernest A., Natick, assignor to High Voltage Engineering Corporation, Cambridge, Mass. Apparatus for utilizing a beam of high energy electrons in sterilization and in therapy. 2,640,948, June 2.

Burris, Allen E., Sabinal, Tex. Gate latch. 2,641,494, June 9.

Burris, John S., Houston, Tex. Page end indicator mechanism for typewriters. 2,625,253, Jan. 13.

Burroughes & Watts (Canada) Limited, assignee: *See*—
Acland, Edward H.

Burroughs Adding Machine Company, assignee: *See*—
Brown, Edgar A.
Butler, Thomas M.
Fettig, Arthur J.
Hyland, John J.
Kaufman, Elmer A.
Leatherman, Clifford C., and Wockenfuss.
Pasinski, Walter J.
Wockenfuss, William.
Wockenfuss, William, and Speh.

Burroughs Corporation, assignee: *See*—
Dedek, Frank G.

Burroughs, Edwin E., Brooklyn, assignor to St. Regis Paper Company, New York, N. Y. Mechanism and method for forming sleeved valve bags. 2,643,588, June 30.

Burroughs, Howard N., Clarksville, Iowa. Mercury switch. 2,655,579, Oct. 13.

Burroughs, Kenneth C., Plainville, Mass., assignor to Burroughs Optomat, Inc., New York, N. Y. Lens finishing machine. 2,643,490, June 30.

Burroughs, Kenneth C., Plainville, Mass., assignor to Burroughs Optomat, Inc., New York, N. Y. Grinding machine. 2,643,491, June 30.

Burroughs, Kenneth C., Plainville, Mass., assignor to Burroughs Optomat, Inc., New York, N. Y. Grinding machine and method. 2,643,492, June 30.

Burroughs Optomat, Inc., assignee: *See*—
Burroughs, Kenneth C.

Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Baltzly, Richard, and Castillo.
Barrett, Paul A.
Castillo, Julio C., and Phillips.
Copp, Frederick C.
Hitchings, George H., and Elion.
Hitchings, George H., and Falco.
Hitchings, George H., and Russell.
Hitchings, George H., Russell, and Falco.
Phillips, Arthur P., and Castillo.
Taylor, Albert.
Wockenfuss, William.

Burrows, Arthur T. C., assignor to Geo. W. King Limited, Hitchin, England. Sliding door. 2,651,816, Sept. 15.

Burrows, Arthur T. C., assignor to Geo. W. King Limited, Hitchin, England. Sliding door. 2,653,359, Sept. 29.

Burrows, Eastman A., assignor to S. D. Libbey, Washington, D. C. Apparatus for making wallboard. 2,631,381, Mar. 17.

Burrows, Lawton: *See*—
Branan, Wiley M., Burrows, and Mackey.

Burrows, Lawton A., Mendenhall, Pa., R. M. Cavanaugh and W. M. Nagle, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxidation process for preparation of terephthalic acid. 2,636,899, Apr. 28.

Burrows, Miles G., Bradford, England. Collapsible container. 2,643,788, June 30.

Burrows, Milford D.: *See*—
Boyce, Eugene L., and Burrows.

Burson, Harrison S., Sr., Cleveland, Ohio. Movie film feeder with simultaneous unwinding and rewinding action. 2,643,118, June 23.

Burst, Francis J.: *See*—
Hillenbrand, William A., and Burst.

Burt, F. N., Company, Inc., assignee: *See*—
Nyden, Robert, and Dickerman.

Burt, Farlow B., assignor to Bendix Aviation Corporation, South Bend, Ind. Steering gear construction. 2,634,624, Apr. 14.

Burt, Farlow B., assignor to Bendix Aviation Corporation, South Bend, Ind. Record changer apparatus. 2,648,541, Aug. 11.

Burt, Guy H., assignee: *See*—
Richardson, Arthur A.

Burt, Harry M., assignee: *See*—
Richardson, Arthur A.

Burt Machine Company, Inc., assignee: *See*—
Neer, Clifford H.

Burt, William C., assignor to Clair Manufacturing Company, Inc., Olean, N. Y. Surface finishing machine. 2,660,007, Nov. 24.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Derivatives of cycloalkylbenzoylaralkanoic acids. 2,654,778, Oct. 6.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Hydroxy and methoxy cyclohexylbenzoylpropionic acids. 2,663,728, Dec. 22.

Burton, Charles D., Glenside, assignor to Rohm & Haas Company, Philadelphia, Pa. Preparing esters of alpha, beta-dichloropropionic acid. 2,647,923, Aug. 4.

Burton, Charles G., San Diego, Calif. Projection screen. 2,660,927, Dec. 1.

Burton-Dixie Corporation, assignee: *See*—
Wesley, Arthur.

Burton, Drury R.: *See*—
Snyder, James E., and Burton.

Burton, Drury R., Uniontown, and H. W. Wilson, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Making non-blocking film of rubber hydrochloride. 2,643,202, June 23.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor circuit element. 2,655,625, Oct. 13.

Burton, Frank L., assignor to The Gates Rubber Company, Denver, Colo. Making reinforced rubber hose. 2,652,093, Sept. 15.

Burton, Fred M.: *See*—
Tower, Ralph S., and Burton.

Burton, J Kent, Lancaster, Pa., assignor to Radio Corporation of America. Apparatus for forming settled coatings. 2,646,773, July 28.

Burton, Robert B., assignor to General Motors Corporation, Detroit, Mich. Single-leaf spring clamp. 2,643,111 June 23.

Burton, Robert E., Willits, Calif. Bark peeler having pivoted jaws spread by fluid pressure. 2,661,782, Dec. 8.

Burton, Samuel D.: *See*—
Smeltzer, Raymond F., Edwards, Baker, and Burton.

Burton, William P.: *See*—
Riblett, Earl W., Burton, and Lefrancois.

Burton, William P., Orange, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,647,139, July 28.

Burton, William P., Orange, and E. Solomon, Nutley, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,663,435, Dec. 29.

Burtonshaw, Donald: *See*—
Stead, Ernest, Murray, and Burtonshaw.

Burwell, Albert L., Norman, Okla., assignor to University of Oklahoma Research Institute. Converting volcanic ash to cellular particles. 2,637,702, May 5.

Burwell, Blair, Grand Junction, Colo., assignor to Climax Uranium Company. Treating vanadium and uranium ores and the like. 2,630,369, Mar. 3.

Burwell, Maurel G., assignor to Century Tank Manufacturing Company, Columbus, Ohio. Apparatus for applying cementitious linings to inner wall surfaces of liquid-holding receptacles. 2,641,218, June 9.

Burwell, Orlo R., Truth or Consequences, N. Mex. Controlled temperature vapor-bath cabinet. 2,640,201, June 2.

Busby, Arthur D., Harrow, England, assignor to The International Nickel Company, Inc., New York, N. Y. Addition agent and introducing magnesium into cast iron. 2,663,635, Dec. 22.

Busby, John C., Jr., U. S. Navy, Salisbury, N. C. Apparatus and method for drafting fibers. 2,641,025, June 9.

Busby, Stanley J., London, England. Apparatus for vacuum filling of containers. 2,654,523, Oct. 6.

Busch, Carl A.: *See*—
Baumer, Richard A., Busch, and Chill.

Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake beam. 2,656,019, Oct. 20.

Busch, Edgar C.: *See*—
Deutsch, Louis, and Busch.

Busch, Lee S.: *See*—
Swazy, Earl F., Freyer, and Busch.

Busch, Richard E.: *See*—
Parsons, Wharton A., and Busch.

Busch, Rudolph E., Detroit, Mich., assignor to American Optical Company, Southbridge, Mass. Artificial eye. 2,643,392, June 30.

Buschman, E. W., Company, The, assignee: *See*—
Vogt, Rudolph B.
Vogt, Rudolph B., and Keville.

Buschow, Herman F., North Arlington, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Recuperative heat exchanger and producing same. 2,643,863, June 30.

Buschow, Herman F., North Arlington, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Annular flow heat exchanger. 2,662,749, Dec. 15.

Busemann, Felix, Greenford, assignor, by mesne assignments, to E. R. A. Patents Limited, Leatherhead, England. Direct current electric power transmission system. 2,651,016, Sept. 1.

Busemann, Felix, Greenford, assignor, by mesne assignments, to E. R. A. Patents Limited, Leatherhead, England. Protective apparatus for direct current transmission lines. 2,651,017, Sept. 1.

Buser, Doris E.: *See*—
Buser, Joseph S.

Buser, Joseph S., deceased, late of Marland Heights, W. Va., by D. E. Morgan (formerly D. E. Buser), administratrix, Altoona, Pa., assignor to National Steel Corporation. Electrocoating strip. 2,648,625, Aug. 11.

Buser, Joseph S., deceased, late of Marland Heights, W. Va., by D. E. Morgan (formerly D. E. Buser), administratrix, Altoona, Pa., assignor to National Steel Corporation. Electrolytic coating. 2,648,626, Aug. 11.

Bush, A. G., assignee: *See*—
Criner, Harry J.

Bush, Dale A., assignor to Ben Pearson, Incorporated, Pine Bluff, Ark. Material handling fan. 2,633,390, Mar. 31.

Bush, Elijah B., Oklahoma City, Okla. Sound reproducing device. 2,639,924, May 26.

Bush, Harleigh L., El Centro, Calif. Continuous grip transmission line apparatus. 2,647,699, Aug. 4.

Bush, Harold L., and W. E. Parish, assignors to Crouse-Hinds Company, Syracuse, N. Y. Explosion resisting clock. 2,625,004, Jan. 13.

Bush, J. E., assignee: *See*—
Quoss, Henry N.

Bush, Leroy F., Edwardsville, Kans. Sand classifying apparatus. 2,661,839, Dec. 8.

Bush Testing, Inc., assignee: *See*—
Bush, Walter M., and Collett.

Bush, Walter M., Bellflower, and C. H. Collett, Burbank, Calif., assignors to Bush Testing, Inc. Method and apparatus for testing tubing. 2,652,717, Sept. 22.

Bush, Wilkie L., and A. M. Daily, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Terminal construction for variable resistors. 2,632,832, Mar. 24.

Bush, Wilkie L., and A. M. Daily, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Electric switch. 2,660,634, Nov. 24.

Bushong, Harry F., assignor to The Studebaker Corporation, South Bend, Ind. Armrest for automobile doors. 2,661,052, Dec. 1.

Bushore, Albert L., Riverside, assignor to F. J. Hart, San Bernardino, Calif. Apparatus for producing concrete roof tiles. 2,637,888, May 12.

Busk, Robert S.: *See*—
Chisholm, Douglas S., and Busk.
Leontis, Thomas E., and Busk.

Buske, Gilbert E., Anson Township, Chippewa County, assignor to National Pressure Cooker Company, Eau Claire, Wis. Throttle control for outboard motors. 2,627,836, Feb. 10.

Buss, Benjamin A.: *See*—
Miller, Hercheal W., and Buss.

Buss, Benjamin A., East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Control for fluid operated presses. 2,655,744, Oct. 20.

Buss, Donald R., Lanark, Ill. Prepared fish bait and manufacturing same. 2,631,937, Mar. 17.

Buss Machine Works, assignee: *See*—
Veersma, Walter.

Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Oscillator. 2,628,314, Feb. 10.

Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Constant band width coupling circuit for television receiver tuners. 2,652,487, Sept. 15.

Busse, Herman, Brooklyn, assignor to Milton C. Johnson Co., New York, N. Y. Spiral coil loose-leaf binder and the like. 2,657,071, Oct. 27.

Busse, Warren F., and H. R. Davidson, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Sulfolanes as dielectric material. 2,628,265, Feb. 10.

Bussert, Clarence E., Melrose Park, assignor to Bowl-O-Beauty Co., Maywood, Ill. Immersed floral display. Re. 23,625, Mar. 10.

Bussiere, George, Los Angeles, Q. C. Johnson, Torrance, and J. E. Straub, Manhattan Beach, Calif., assignors to North American Aviation, Inc. Gun blast door. 2,641,967, June 16.

Bustamante, Cesar, New York, N. Y. Advertising card conveyer. 2,649,798, Aug. 25.

Bustamante, Cesar, Elmhurst, N. Y. Rack for drinking glasses. 2,664,207, Dec. 29.

Butcher, Edgar M., Blaby, assignor to Power Jets (Research and Development) Limited, London, England. Rotary bladed or like assembly. 2,646,920, July 28.

Butcosk, Richard A., East Hempstead, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Stabilized lithium base grease. 2,628,949, Feb. 17.

Butler, Charles W., assignor of one-half to M. E. Barone, Arcadia, Calif. Trailer hitch. 2,653,031, Sept. 22.

Butler, Donald G., Millersburg, Ohio. Electric arc production of combustible gases. 2,660,556, Nov. 24.

Butler, Edmund C., assignor of one-half to Universal Wood Heel Co., St. Louis, Mo. Gauge and ejector for heel shaping machines. 2,664,125, Dec. 29.

Butler, Ernest L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pulling-over machine. 2,637,053, May 5.

Butler, Ernest L., Lynn, and O. M. Holmes, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping stitch-down uppers over lasts. 2,646,583, July 28.

Butler, Ernest L., Lynn, and O. M. Holmes, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,656,552, Oct. 27.

Butler, George B., Gainesville, Fla., and B. M. Benjamin, Oak Ridge, Tenn., assignors to Research Corporation, New York, N. Y. Ion exchange resins from a trifunctional phenol, formaldehyde and a mannich base made from a trifunctional phenol, formaldehyde and a dialkylamine, morpholine or piperidine. 2,636,019, Apr. 21.

Butler, George S., Sunbury, Ohio. Garden weeder. 2,642,305, June 16.

Butler, George T.: *See*—
Ford, Ronald M., and Butler.

Butler, George V., Rochester, N. Y. Apparatus for inverting patients during X-ray examinations. 2,639,206. May 19.

Butler, Grace: *See*—
Butler, William D., and G.

Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, London County, England. Brake with self-aligning friction surfaces. 2,635,714. Apr. 21.

Butler, Henry J., Sutton Coldfield, assignor to Dunlop Rubber Company Limited, County of London, England. Air-cooled brake disk. 2,656,021, Oct. 20.

Butler, Jesse L., Cleveland, Ohio. Snowplow attachment for lawn shears. 2,653,397, Sept. 29.

Butler, John M., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. β-haloethoxyethyl-N-phenylcarbamate. 2,634,289, Apr. 7.

Butler, John M., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of aromatic keto alcohols. 2,634,294, Apr. 7.

Butler, John M., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Lubricating composition. 2,661,335, Dec. 1.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Tridecenyl alcohols. 2,624,766, Jan. 6.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Acylated polystyrene. 2,642,398, June 16.

Butler, Judson C., Concord, and D. C. McGowan, Richmond, assignors to California Research Corporation, San Francisco, Calif. Linear polyesters from stilbene dicarboxylic acids. 2,657,194, Oct. 27.

Butler, Leon E., Philadelphia, and F. J. Siemers, Havertown, assignors to Achenbach & Butler, Inc., Philadelphia, Pa. Insulated air duct. 2,661,769, Dec. 8.

Butler Manufacturing Company, assignee: *See*—
Norquist, Victor C., and Day.

Butler, Richard K.: *See*—
Cotchett, Louis M., and Butler.

Butler, Richard K., assignor, by mesne assignments, to Textile Engineering Corporation, Whitman, Mass. Top roll for drafting mechanism. 2,635,300, Apr. 21.

Butler, Robert A., Ashburton, England. Mobile lifting and lowering apparatus. 2,651,427, Sept. 8.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Front-feed paper carriage construction for accounting and the like machines. 2,627,333, Feb. 3.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Automatic function control mechanism for accounting machines. 2,629,549, Feb. 24.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Carriage moving and positioning means for accounting machines. 2,635,732, Apr. 21.

Butler, Thomas M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Accounting machine. 2,644,637, July 7.

Butler, Thomas P., Antlers, Okla. Minnow box. 2,639,906, May 26.

Butler, Van B., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft wing flap. 2,624,532, Jan. 6.

Butler, William, Pittsburgh, Pa. Dishwashing machine. 2,647,527, Aug. 4.

Butler, William D. and G., San Francisco, Calif. Knock-down shelf and cabinet structure. 2,624,083, Jan. 6.

Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Switch mechanism. 2,659,785, Nov. 17.

Butler, William W.: *See*—
Deters, Bruce A., and Butler.

Butow, Stanley H., Wilmette, Ill. Moisture collector for flush tanks. 2,626,403, Jan. 27.

Butsch, William G., Fort Thomas, Ky. Roof construction for trucks or trailers. 2,658,794, Nov. 10.

Butterfield, Charles E., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Air filter construction. 2,664,172, Dec. 29.

Butterfield, John P.: *See*—
Herreshoff, Alexander G., and Butterfield.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Piston. 2,628,602, Feb. 17.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Wheel cover with cooling fan. 2,633,944, Apr. 7.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Piston. 2,638,392, May 12.

Butterfield, John P., Grosse Pointe Park, and V. Hughes, Pleasant Ridge, assignors to Chrysler Corporation, Highland Park, Mich. Automotive suspension system. 2,638,356, May 12.

Butterfield, Louis B., Plainfield, and J. H. Sulzer, Union Beach, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Control circuit for continuously operating electrophotographic printers. 2,641,997, June 16.

Butterworth, Edward, and E. J. Hinchcliffe, assignors to Begwaco Meters Limited, Farnworth, England. Dry gas meter. 2,657,578, Nov. 3.

Butterworth, Edward, and E. J. Hinchcliffe, Farnworth, assignors to Begwaco Meters Limited, Farnworth, near Bolton, England. Dry gas meter. 2,663,189, Dec. 22.

Butterworth, Gilbert J., Chester, and E. T. Young, Ridley Park, assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,653,389, Sept. 29.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible carton. 2,637,484, May 5.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible cellular carton. 2,645,402, July 14.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible covered container. 2,645,404, July 14.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Automatic setup carton. 2,659,526, Nov. 17.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Collapsible partitioned carton. 2,662,683, Dec. 15.

Buttery, Kenneth T., and L. W. Sutherland, Jr., assignors to Sutherland Paper Company, Kalamazoo, Mich. Handled cup. 2,641,403, June 9.

Buttino, Albert L., San Francisco, Calif., and H. R. Patterson, Belmont, Mass., assignors to The Rauland Corporation. Cathode-ray tube sealing process. 2,639,555, May 26.

Buttner, Artur, assignor to Schnellpressenfabrik A.-G. Heidelberg, Heidelberg, Germany. One revolution high-speed cylinder printing press. 2,645,175, July 14.

Buttner, Carl M., assignor to Hunter Fan and Ventilating Company, Inc., Memphis, Tenn. Air-moving device. 2,649,728, Aug. 25.

Buttner, Carl M., assignor to Hunter Fan and Ventilating Company, Memphis, Tenn. Air-moving device. 2,651,987, Sept. 15.
Buttram, Millard F., Oneida, Tenn. Door hanging gauge. 2,637,910, May 12.
Buttress, George A., Los Angeles, Calif. Making perforated composition plasterboard. 2,633,441, Mar. 31.
Butts, Maurice, Thayer, Iowa. Motor vehicle oil level indicator. 2,630,011, Mar. 3.
Butts, Maurice J., Eugene, Oreg. Portable chain saw filing device. 2,633,761, Apr. 7.
Butts, Robert L., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn. Preheating device for starting internal-combustion engines. 2,630,106, Mar. 3.
Butzow, George M., Fort Wayne, Ind. Sand treating apparatus. 2,631,834, Mar. 17.
Buus, Harold W.: *See*—
Stearns, Roswell H., and Buus.
Buxbaum, Mac, and M. Lebensfeld, Flushing, N. Y. Knitting device. 2,656,690, Oct. 27.
Buxton, Charles E., Pleasant Hill, Mo. Toy bomb. 2,651,142, Sept. 8.
Buxton, Incorporated, assignee: *See*—
Boden, George, and Duell.
Broughton, Douglas J.
Morrell, Clyde E.
Buxton, James E., and F. T. Christian, Elmira, N. Y., assignors to Bendix Aviation Corporation. Engine starter gearing. 2,656,727, Oct. 27.
Buyer, Edward M., Ramsey, assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Pulse keying system. 2,651,753, Sept. 8.
Buyze, Edwin K., St. Clair Shores, Mich., assignor to The Budd Company, Philadelphia, Pa. Disk brake mechanism. 2,655,230, Oct. 13.
Buzzi, Riccardo, Milan, Italy, assignor to Italo Rizzieri. Tens-transfer mechanism of the differential type. 2,653,766, Sept. 29.
Byam, Peter M., assignor to Fasco Industries, Inc., Rochester, N. Y. Electric switch assembly. 2,647,968, Aug. 4.
Byars, Edgar W., and W. B. Allen, Tampa, Fla; said Allen assignor to said Byars. Reinforcing rod spacer. 2,634,603, Apr. 14.
Byberg, Jonas J., Silverton, Oreg. Feed mixer and grinder. 2,641,412, June 9.
Bychinsky, Wilfred A.: *See*—
McDougal, Taine G., Pierce, and Bychinsky.
Bye, Norman C., Wynmoore, assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Cutting saw chain. 2,652,076, Sept. 15.
Bye, Paul C., Pasadena, Calif. Supporting structure for screen stretcher bars. 2,630,225, Mar. 3.
Byerlay, Henry L., Highland Park, assignor to Hastings Manufacturing Company, Hastings, Mich. Visual analyzing device for the ignition systems of internal-combustion engines. 2,645,751, July 14.
Byerlyte Corporation, assignee: *See*—
Myers, David N.
Byford, Burnard W., McGregor, Tex. Automobile seat article holder. 2,640,595, June 2.
Bygbjerg, Karl, San Francisco, Calif. Thumbtack applicator. 2,640,985, June 9.
Byler, Raymond E., Stanford University, and R. C. Dunn, San Carlos, assignors to The Merrill Company, San Francisco, Calif. Recovery of precious metal values. 2,648,601, Aug. 11.
Bynum, George T., Liverpool, assignor to Aircooled Motors, Inc., Syracuse, N. Y. Centrifugal oil filter construction. 2,663,424, Dec. 22.
Byrd, John F., Ashland, and J. D. Phyfe, Moorestown, N. J., assignors to Radio Corporation of America. Illumination and signaling system for drive-in theaters. 2,629,780, Feb. 24.
Byrne, A. E., assignee: *See*—
Moser, Robert C.
Byrne, John F., Garden City, N. Y., assignor, by mesne assignments, to Hewlett Packard Company, Palo Alto, Calif. Measuring system. 2,624,780, Jan. 6.
Byrne, John F., Wellesley Hills, Mass., assignor to the United States of America as represented by the Secretary of War. Single side band jamming system. 2,658,992, Nov. 10.
Byrne, Mildred S., Minneapolis, Minn. Safety guard for high chairs. 2,664,150, Dec. 29.
Byrnes, John J., Newark, N. J. Fan puller for oil burners. 2,629,167, Feb. 24.
Byrns, Alva C., Concord, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Production of sodium sesquicarbonate from a brine containing a substantial sodium carbonate content. 2,626,852, Jan. 27.
Byrns, Alva C., Los Altos, assignor to Union Oil Company of California, Los Angeles, Calif. Thienyl ketones. 2,636,883, Apr. 28.
Byron, Anthony J., Carnegie, Pa. Self-disengaging lift hook. 2,655,400, Oct. 13.
Byron Jackson Co., assignee: *See*—
Dempsey, Oscar E.
Grant, John C.
Bywater, William, Limited, assignee: *See*—
Dinham, Alfred T.
C. A. Constant Card, assignee: *See*—
Castell, Agustin M.
C. A. V. Limited, assignee: *See*—
Bevis, William A., and Cusack.
Brook, Kenneth, and Evans.
Douglas, Cecil J.
Evans, Fraser M.
Evans, Fraser M., and Nicolls.
Muraszew, Alexander.
Nicolls, Wilfrid E. W.
Waters, Albert V.
C B S-Columbia Inc., assignee: *See*—
Kay, Leopold M.
C. C. Correctional Tool Company, assignee: *See*—
Redinbaugh, James O.
C & D Batteries, Inc., assignee: *See*—
Jensen, Henry E.
C. D. Patents Limited, assignee: *See*—
Greaves, Charles D., and Parker.
Kaufman, Morris, and Williams.
Norman, William S.
C. D. S. Syndicate, assignee: *See*—
Clark, Hubert M., and Dahlstrom.
C. E. M. Company, assignee: *See*—
Koehl, Herman, and Prym.
Koehl, Herman J.
C. G. B. Company, assignee: *See*—
Bennett, Clarence G.
C & H Development Company, assignee: *See*—
Hinkley, Paul Y.
C. & J Industries, assignee: *See*—
Borst, Julius R.
C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.
Allen, Scott E.
Allen, Scott E., and Levin.
Cahusac, Clarence N., and Allen.
Ensminger, Harry.
Haessler, Walter M.
Siebens, Norman H.
Wilson, Forrest E., and Allen.
C. S. Products, Inc., assignee: *See*—
Brownstein, Louis.
C. U. R. A. Patents Limited, assignee: *See*—
Dryden, Ian G. C., and McKee.
McKee, James H.
Thring, Meredith W., and Karthauser.
C. V. A. Jigs, Moulds & Tools Limited, assignee: *See*—
Pulman, William E. R.
Cabana, Wilfred J., Woonsocket, R. I., assignor to Uxbridge Worsted Company, Inc., Uxbridge, Mass. Drafting textile fibers. 2,645,822, July 21.
Cabes, Lucien A. B., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Signal receiver for discriminating signals. 2,633,557, Mar. 31.
Cable Belt Limited, assignee: *See*—
Thomson, Charles, and Gordon.
Cable, Grover C., Huntington Park, Calif. Box nailing machine. 2,639,427, May 26.
Cable-Link Corporation, assignee: *See*—
Daigle, Leo T.
Cabot, Godfrey L., Inc., assignee: *See*—
Booton, Roy, and Bower.
Engelson, George E., and Secord.
Hahn, Homer H., and Hendricks.
Jordan, Merrill E.
Loving, William L.
McWaters, Harry D.
Cabrera R, Gabriel, Caracas, Venezuela. Copying apparatus. 2,658,449, Nov. 10.
Cachat, John F.: *See*—
Body, Alfred C., and Cachat.
Cachat, John F., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for pressure welding of seams or edges. 2,629,811, Feb. 24.
Cachat, John F., and A. C. Body, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Means and method for high-frequency induction heating. 2,632,092, Mar. 17.
Cade, George N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Increasing the thrust of jet engines by the use of rapidly decomposable nitrogen compounds. 2,636,342, Apr. 28.
Cade, William M., and B. E. Derry, Davenport, Iowa, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Coupling pin hitch. 2,660,444, Nov. 24.
Cadgene, Jacques, Paterson, N. J. Fusing thermoplastic fabric sheets to each other. 2,625,497, Jan. 13.
Cadillac Products, Inc., assignee: *See*—
Williams, Michael P.
Cadman, Coin Q., Silver City, N. Mex. Ash tray. 2,644,601, July 7.
Cadman, Harold O., Rockton, Ill., assignor, by mesne assignments, to Gardner Machine Company. Feed mechanism for grinding machines. 2,657,504, Nov. 3.
Cadman, Ira F., Wilkinsburg, and C. W. Fallor, Forest Hills, Pa., assignors to Westinghouse Air Brake Company. Centralized traffic control system of the coded reversible track circuit type. 2,630,523, Mar. 3.
Cadman, Phillip B., Venice, Calif. Clothesline hanger. 2,638,230, May 12.
Cadorette, George, assignor to Draper Corporation, Hopedale, Mass. Shuttle ejector. 2,658,531, Nov. 10.
Cadous, Esther, New York, N. Y. Elastic fabric. 2,628,928, Feb. 17.

Cadwallader, William M., Pittsburgh, Pa. Fisherman's knife. 2,630,314, Mar. 3.
Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Foldable vertically adjustable table. 2,624,469, Jan. 6.
Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Tripod. 2,646,956, July 28.
Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Tripod structure. 2,653,000, Sept. 22.
Cadwell, Clarence J., Carpinteria, and F. M. Adamson, Los Angeles, assignors to The Cadwell Corporation, Beverly Hills, Calif. Film mount slide. 2,656,631, Oct. 27.
Cadwell Corporation, The, assignee: *See*—
Cadwell, Clarence J., and Adamson.
Cadwell, Edward, University City, Mo. Electric power handsaw jig. 2,629,410, Feb. 24.
Cadwell, Leonard E.: *See*—
Petropoulos, John C., and Cadwell.
Cady, Malcolm J., Stoughton, Mass. Control valve for air compressor systems. 2,649,241, Aug. 18.
Cady, Paul C.: *See*—
Adams, Arthur R., Grizzard, and Cady.
Cady, Willoughby M., Cambridge, and D. B. Nichinson, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Scanning device. 2,629,828, Feb. 24.
Caferro, Edward M., assignor to Columbia Electric and Manufacturing Company, Spokane, Wash. Outdoor fixture for tubular lights. 2,644,027, June 30.
Caffrey, Howard E., Tucson, Ariz. Retractable traffic sign. 2,624,307, Jan. 6.
Cage, John M., Montclair, N. J. Cathode-ray tube. 2,630,543, Mar. 3.
Cage, John M., Montclair, N. J. Television circuit. 2,635,208, Apr. 14.
Cagle, Lylburn S., Bunker Hill, assignor to Olin Industries, Inc., East Alton, Ill. Blasting cap assembly. 2,633,800, Apr. 7.
Cagle, Toby T., assignor to Airheart Products, Inc., Long Beach, Calif. Brake disk wear compensating and indicating means. 2,644,549, July 7.
Cagnoli, Oscar, Hershey, Pa. Fishing rod holder. 2,630,993, Mar. 10.
Cahil, Joseph A.: *See*—
Bureau, Achille G.
Cahil Manufacturing Company, assignee: *See*—
Bureau, Achille G.
Cahill, Bernard S.: *See*—
Kester, Arthur S., and Cahill.
Cahill, Fredrick D., Randolph, Ariz. Earth moving machine. 2,663,953, Dec. 29.
Cahill, John J., assignor to Mutual Machine Company, New York, N. Y. Lamp shade seam sealing machine. 2,652,095, Sept. 15.
Cahill, John L., Floyd County, Ind. Film drying apparatus. 2,645,800, July 21.
Cahill, Joseph J.: *See*—
Holly, Frederick W., Shunk, Cahill, and Folkers.
Cahill, Lysle D.: *See*—
Jack, William R., and Cahill.
Cahill, William J., Minneapolis, Minn. Package opener. 2,659,967, Nov. 24.
Cahoon, Una T., assignee: *See*—
Cahoon, William F.
Cahoon, Una T., executrix: *See*—
Cahoon, William F.
Cahoon, William F., Birmingham, Ala., assignor, by decree of distribution, to U. T. Cahoon. Pneumatically operated sawmill dog. 2,626,640, Jan. 27.
Cahoon, William F., deceased, Birmingham, Ala.: U. T. Cahoon, executrix of said W. F. Cahoon. Sawmill dog. 2,633,163, Mar. 31.
Cahusac, Clarence N., Newark, and F. B. Allen, Towaco, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Smoke detector relay and resetting mechanism. 2,640,123, May 26.
Cahusac, Clarence N., Newark, and F. B. Allen, Towaco, assignors to C-O-Two Fire Equipment Company, Newark, N. J. Smoke detector. 2,654,082, Sept. 29.
Cain, Basil S., and J. K. Erzer, Erie, Pa., assignors to General Electric Company. Rail vehicle truck. 2,650,549, Sept. 1.
Cain, Elmer B.: *See*—
Blaker, George H., and Cain.
Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Erasing means for magnetic recorders. 2,635,149, Apr. 14.
Caiola, Fred, Bronx, N. Y. Garage, air-raid shelter, or the like. 2,663,437, Dec. 22.
Cairnes, Charles W., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Antibacklash gearing. 2,663,198, Dec. 22.
Cairns, Fred E., Jr., North Hollywood, assignor to General Controls Co., Glendale, Calif. Safety fuel burner control system utilizing flame conduction. 2,640,920, June 2.
Cairns, Robert W., Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Propellent charge for jet-propelled devices. 2,643,184, June 23.
Cairns, Theodore L., Newark, and J. C. Sauer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl dialkylaminohydrocarbon-amides. 2,628,224, Feb. 10.
Calabrese, Carl J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Roll of pressure-sensitive adhesive striping tape. 2,657,795, Nov. 3.
Calabrese, Flavian P.: *See*—
Hempel, Herbert W., and Calabrese.
Calabrese, George V., assignor to Lumenite Electronic Company, Chicago, Ill. Control means for coffee-making apparatus. 2,644,478, July 7.
Cal-Alloy Castings, Inc., assignee: *See*—
Dunn, John W.
Calamore, John P., Flushing, assignor to City Tank Corporation, Corona, N. Y. Tail gate loader and packer. 2,660,326, Nov. 24.
Calandra, Joseph C., Chicago, Ill., and E. C. Adams, Jr., Elkhart, Ind., assignors to Research Corporation, New York, N. Y. N-(2-pyridyl) 2-chloro-3-amino-1,4-naphthoquinones. 2,647,123, July 28.
Calay Manufacturing Co., assignee: *See*—
Manning, Oscar.
Calbo Alemany, Fray A., Cheva, Spain. Adjusting means for slidable side jaw wrenches. 2,648,244, Aug. 11.
Calcagno, Ambrose, Portland, Oreg. Refuse handling apparatus. 2,643,014, June 23.
Calcraft Company, assignee: *See*—
Smith, Keith J.
Caldarera, Joseph P.: *See*—
Reinish, Martin D., and Caldarera.
Caldecourt, Victor J.: *See*—
Saunderson, Jason L., Caldecourt and Peterson.
Caldemeyer, Daniel F., and H. M. Quakenbush, assignors to National Furniture Manufacturing Company, Inc., Evansville, Ind. Chair construction. 2,658,561, Nov. 10.
Calder, Caesar A., Roseland, N. J. Manual shirt folding device. 2,654,511, Oct. 6.
Calder, Caesar A., Verona, N. J. Collar support. 2,648,470, Aug. 11.
Calderhead, Henry J.: *See*—
Bird, James R., Calderhead, and Bilski.
Calderon, Edwin R., and G. W. Slomin, Los Angeles, Calif. Plating aluminum. 2,654,701, Oct. 6.
Caldwell, Albert E., Galesburg, Ill. Making tufted material. 2,633,442, Mar. 31.
Caldwell, Andrew H.: *See*—
Coggesball, Almy D., and Caldwell.
Caldwell, Boyce H., Decatur, Ga. Banker's note and collateral indexing file. 2,655,156, Oct. 13.
Caldwell, Carlyle G., Flushing, T. A. White, Jackson Heights, N. Y., W. L. George, Middlesex, N. J., and J. J. Eberl, Moylan, Pa., assignors to Johnson & Johnson, and National Starch Products Inc. Medical dusting powder. 2,626,257, Jan. 20.
Caldwell, Carlyle G., Forest Hills, and O. B. Wurzburg, Babylon, assignors to National Starch Products Inc., New York, N. Y. Stabilized starch derivatives. 2,654,736, Oct. 6.
Caldwell, Carlyle G., Forest Hills, and O. B. Wurzburg, Babylon, assignors to National Starch Products Inc., New York, N. Y. Polysaccharide derivatives of substituted dicarboxylic acids. 2,661,349, Dec. 1.
Caldwell, Harry B., Penketh, Warrington, and K. G. Hancock, Great Sankey, near Warrington, assignors to Electro-Hydraulics Limited, Warrington, England. Fluid pressure motor comprising relatively extensible and contractible piston and cylinder elements. 2,649,842, Aug. 25.
Caldwell, Joe P., Tulsa, Okla. Directional drilling device. 2,631,821, Mar. 17.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Solutions of proteins and their preparation. 2,625,490, Jan. 13.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Coagulation of oil emulsions with cellulose sulfate. 2,625,517, Jan. 13.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Mixtures comprising acrylonitrile polymers and resinous polyamines containing amide groups. 2,632,748, Mar. 24.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Solution polymerization employing aqueous solutions of aromatic sulfonates. 2,639,279, May 19.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Alkoxyalkyl esters of bis(4-carboxyphenyl) sulfone and cellulose esters plasticized therewith. 2,643,954, June 30.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Recovery of dialkyl amides from polyacrylonitrile spinning baths. 2,649,481, Aug. 18.
Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Mixtures comprising acrylonitrile polymers and vinyl acetate-fumaric amide interpolymers. 2,652,378, Sept. 15.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Acrylonitrile polymer solutions and articles formed therefrom. 2,656,328, Oct. 20.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of acrylonitrile and allyl and 2-methallyl chlorides. 2,656,337, Oct. 20.

Caldwell, Lee M., assignee: *See*—
Dague, Harold F.

Caldwell, Leslie M., Rockford, Ill. Sling. 2,661,231, Dec. 1.

Caldwell, Oscar D., Oklahoma City, Okla. Auxiliary air and water supply for automobiles. 2,626,184, Jan. 20.

Caldwell, Oscar D., assignor of one-half to H. A. Kyle, Oklahoma City, Okla. Portable rig mount. 2,663,375, Dec. 22.

Caldwell, Samuel P.: *See*—
Ayer, Ermon F., and Caldwell.

Caldwell, Smith C., Livingston, Mont. Dislodging tool for pneumatic tires. 2,640,528, June 2.

Caldwell, Sylvester S., Akron, G. J. Chertoff, and G. B. Curtiss, Shaker Heights, Ohio; said Caldwell and said Curtiss assignors to said Chertoff. Heat stabilizer for vinyl resins. 2,629,700, Feb. 24.

Caldwell, Walter A.: *See*—
Taylor, Ambrose G., and Caldwell.

Caldwell, Walter L., and S. G. Bowman, Pittsburgh, Pa. Lamp to illuminate the keyboard and music rack of organs. 2,626,345, Jan. 20.

Caldwell, William I., assignor to Taylor Instrument Companies, Rochester, N. Y. Pneumatically operated control system. 2,638,922, May 19.

Caldwell, William I., and E. H. Woodbull, assignors to Taylor Instrument Companies, Rochester, N. Y. Control system. 2,638,921, May 19.

Caldwell, William T., Moorestown, N. J., assignor to Eli Lilly and Company, Indianapolis, Ind. 2-sulfanilamido-5-aminopyrimidine and salts thereof. 2,654,753, Oct. 6.

Calender, Clarence R. *See*—
Liggett, Edward R., and Calender.

Caler, William R., Washington, Ind. Mechanical movement for screening machines. 2,659,487, Nov. 17.

Calfee, John D.: *See*—
Miller, Charles B., and Calfee.

Calfee, John D., Manhasset, N. Y., and P. A. Florio, Wilmington, Del., assignors to Allied Chemical & Dye Corporation, New York, N. Y. 1,1-difluoroethylfluosulfonates and preparing them. 2,628,972, Feb. 17.

Calfee, John D., Manhasset, N. Y., and C. A. Kraus, Providence, R. I., assignors to Standard Oil Development Company. Hydroxylated aluminum halide polymerization catalyst. 2,644,798, July 7.

Calgon, Incorporated, assignee: *See*—
Thompson, Ralph N.

Calhoun, George M., Evanston, Ill., and J. E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Oxidation of aromatic hydrocarbons. 2,663,740, Dec. 22.

Calhoun, George N., assignee: *See*—
Harrow, Eugene.

Calhoun, James C., New Haven, W. L. Davidson, Canterbury, Conn., and K. J. Hansen, Forest Hills, N. Y., assignors to Olin Industries, Inc., New Haven, Conn. Merchandising display for luminous coated flashlights and the like. 2,629,830, Feb. 24.

Calhoun, James C., New Haven, W. L. Davidson, Canterbury, Conn., and K. J. Hansen, Forest Hills, N. Y., assignors to Olin Industries, Inc., New Haven, Conn. Counter display for flashlights and batteries. 2,649,348, Aug. 18.

Calhoun, James J., Waynesboro, and H. M. Cook, Staunton, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Self-traversing drive roll. 2,646,227, July 21.

Calhoun, Paul W., Gainesville, Fla. Camera support. 2,651,981, Sept. 15.

Calhoun, Rollin S., Oceanside, Calif. Nozzle head. 2,651,547, Sept. 8.

Calhoun, Samuel E., and H. F. Miller, Springdale, assignors to Pitney-Bowes, Inc., Stamford, Conn. Envelope opener. 2,635,694, Apr. 21.

California Carbed Company, assignee: *See*—
Battles, Willis R.

California Cedar Products Company, assignee: *See*—
Wilcox, William H.

California Central Fibre Corporation, assignee: *See*—
Kaiser, Karl.

California Institute Research Foundation, assignee: *See*—
Du Mond, Jesse W. M.
MacGlashan, William F., Jr.

California Pacific Service, Inc., assignee: *See*—
Collins, Calhoun.

California Packing Corporation, assignee: *See*—
Dunn, Guy A.
Hole, William L.
Morine, Charles V.

California Portland Cement Company, assignee: *See*—
Kaiser, Harry E., and Campbell.

California Research Corporation, assignee: *See*—
Barusch, Maurice R.
Barusch, Maurice R., and Mixer.
Butler, Judson C., and McGowan.
Chiswell, Edgar B., and Gaunce.
Condit, Paul C., and Spence.
Darragh, John L., and Johnson.
Eagle, Sam, and Scott.
Ferguson, Cedric K.
Henning, Leland L.
Hotten, Bruce W.
Humphreys, Robert L., Brock, and Reynolds.
Kemp, Jacob D., and Zeh.
Laurey, Henry E.
Levine, Irving E.
Lewis, Allen H.
Lewis, Allen H., and Stayner.
Lum, Funston G.
Matteson, Robert.
McLaughlin, Edward J., Denison, and Barusch.
Miller, Robert J.
Morgan, Clarence R.
Pino, Manuel A.
Pollock, Howard B.
Rohrback, Gilson H., and McCloud.
Rohrback, Gilson H., McCloud, and Scott.
Schaufelberger, William M., Herrick, and Leggett.
Schlatter, Maurice J.
Shiffler, William H.
Sigworth, Harrison W., and Fries.
Standing, Marshall B., and Chittum.
Stayner, Richard D.
Toland, William G., Jr.
Tripp, John G., Brakel, and Gould.
Turner, Cyril R.
Walstrom, John E.

California Spray-Chemical Corporation, assignee: *See*—
Harris, Leonard W., Sanders, and Cassil.
Shatto, David L.

California Wire Products Co., Inc., assignee: *See*—
Hayden, Edward E.

Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Stable lead alkyl compositions and a method for preparing the same. 2,660,591, Nov. 24.

Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Stable lead alkyl compositions and a method for preparing the same. 2,660,592, Nov. 24.

Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Stable lead alkyl compositions and a method for preparing the same. 2,660,593, Nov. 24.

Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Stable lead alkyl compositions and a method for preparing the same. 2,660,594, Nov. 24.

Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Stable lead alkyl compositions and a method for preparing the same. 2,660,595, Nov. 24.

Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. Stable lead alkyl compositions and a method for preparing the same. 2,660,596, Nov. 24.

Calingaert, George, Geneva, assignor to Ethyl Corporation, New York, N. Y. 1,4-dibromo-2,2,3,3-tetrachlorobutane. 2,661,379, Dec. 1.

Calkins, Claude C., assignor to Calkins Manufacturing Company, Spokane, Wash. Seed treater. 2,639,836, May 26.

Calkins, Joseph C.: *See*—
Williams, Lynn B., and Calkins.

Calkins Manufacturing Company, assignee: *See*—
Calkins, Claude C.
Guyer, Morris W.
Guyer, Morris W., and Calkins.

Calkins, Oscar C.: *See*—
Guyer, Morris W., and Calkins.

Call, Lucille W.: *See*—
Call, Wayne W. and L. W.

Call, Wayne W. and L. W., Afton, Wyo. Baby jumper. 2,645,271, July 14.

Call, Wilson, Olidale, Calif. Binder for link chains. 2,651,089, Sept. 8.

Callaghan, John: *See*—
Wood, Alfred G., Laval, Callaghan, Wahl, Greulich, and Boehl.

Callahan, Ezra L., Inglewood, Calif. Geometrical instrument. 2,631,376, Mar. 17.

Callahan, Ezra L., Inglewood, Calif. Device for measuring horizontal and vertical angles. 2,650,431, Sept. 1.

Callahan, Ezra L., Inglewood, Calif. Slope level. 2,659,976, Nov. 24.

Callahan, Howard E.: *See*—
Fasold, George A., and Callahan.

Callahan, John E., Medford, Mass. Shaft alignment device. 2,638,676, May 19.

Callahan, Thomas F.: *See*—
White, Frank G., and Callahan.

Callahan, Thomas P.: *See*—
Bering, Horace L., and Callahan.

Callahan, Vincent T., Englewood, and L. D. Fry, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power supply apparatus for alternately supplying a load. 2,655,603, Oct. 13.

Callahan, Vincent T., Englewood, and L. D. Fry, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory alarm system. 2,655,646, Oct. 13.

Callan, Patrick J., Manhasset, N. Y. Concrete wall with a simulated face. 2,633,013, Mar. 31.

Callan, Patrick J., Manhasset, N. Y. Building wall construction. 2,653,469, Sept. 29.

Callan, Raymond C., assignor to McLaughlin & Slugg, Milwaukee, Wis. Alternating light flasher for bicycles. 2,661,406, Dec. 1.

Callaway Mills Company, assignee: *See*—
Colvin, James J.
Parker, Samuel P.
Parker, Samuel P., and Thompson.

Callaway, William B., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polar relay biasing circuit. 2,646,464, July 21.

Caliender Foundry & Manufacturing Company, Limited, The, assignee: *See*—
Copp, William G.

Calleo, John J., Lodi, assignor to Decky Enterprises, Inc., Garfield, N. J. Rotary ball pitching machine 2,655,908, Oct. 20.

Callery Chemical Company, assignee: *See*—
Schechter, William H.

Calloway, Otto H., Chicago, Ill. Abrasive wheel dresser. 2,642,856, June 23.

Callsen, Albert, and A. Grözinger, assignors to R. Bosch G. m. b. H., Stuttgart, Germany. Making commutators. 2,634,495, Apr. 14.

Calmeyer, Reidar B., Heroya, near Porsgrunn, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Reducing the acidity of nitric acid-calcium nitrate compositions containing phosphate ions. 2,656,266, Oct. 20.

Calnetian Blinds, Incorporated, assignee: *See*—
Evans, Charles S.

Caloiaro, Ozzie F., Rutland, Mass. Automobile wheel traction device. 2,654,412, Oct. 6.

Caloric Stove Corporation, assignee: *See*—
Klein, Gustav.

Calosi, Carlo L., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic position and motion control system. 2,627,055, Jan. 27.

Calosi, Carlo L., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Support for vibratory devices. 2,632,858, Mar. 24.

Calosi, Carlo L., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Motor speed control. 2,638,568, May 12.

Calosi, Carlo L., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Duplicator speed controls. 2,640,176, May 26.

Calpat Corporation, The, assignee: *See*—
Heim, Jacob G.

Calton, Robert G., Nashville, Tenn. Apparatus for continuously enameling thin sheet metal. 2,631,561, Mar. 17.

Calverley, George H., assignor to Whitman Publishing Company, Racine, Wis. Sectional toy figure. 2,662,335, Dec. 15.

Calvert, Arthur T., Manhasset, N. Y., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor driven apparatus. 2,625,672, Jan. 13.

Calvert, James: *See*—
Haythornthwaite, James J., and Calvert.

Calvert, Raymond, New Malden, assignor to The Wayne Kerr Laboratories Limited, Surrey, England. High-frequency alternating current transformer. 2,659,845, Nov. 17.

Calvin, Elizabeth C., Leawood, Kans. Hand-supported suction brush for clothes. 2,644,189, July 7.

Calvin, Forrest O., Leawood, Kans. Intermittent film moving mechanism. 2,631,492, Mar. 17.

Calzolari, Peter A., Waterville, Maine. Beverage carrier with detachable tray. 2,630,258, Mar. 3.

Cambridge Instrument Co., Inc., assignee: *See*—
Richardson, Robert D.

Cambridge Instrument Company, Inc., assignee: *See*—
Wood, Harvey W.

Cambridge Tile Manufacturing Company, assignee: *See*—
Burchenal, Charles H.

Camenker, Norman, assignee: *See*—
Sander, Howard H.

Cameron Iron Works, assignee: *See*—
Allen, Herbert.

Cameron Iron Works, Inc., assignee: *See*—
Allen, Herbert.

Cameron, James A., Steveston, British Columbia, Canada. Layout instrument. 2,653,387, Sept. 29.

Cameron, James B.: *See*—
Barlow, Alfred C., Carpenter, Cameron, and Griffith.

Cameron Machine Company, assignee: *See*—
Carter, Thomas N.

Cameron, Robert R.: *See*—
Gordon, Carroll G., and Cameron.

Camerota, Louis A., Burlington, assignor to The Florence Pipe Foundry and Machine Company, Florence, N. J. Hydraulic press cycle control system. 2,639,585, May 26.

Camfield Manufacturing Company, assignee: *See*—
Olson, Henry L.

Caminati, Carlo, assignor to Tubcor International, Paris, France. Connection for scaffoldings, shelves, racks, and like structures. 2,655,394, Oct. 13.

Caminear, Morris: *See*—
Cohen, Abraham J., Levine, Caminear, and Price.

Camody, Nick A., Allentown, Pa. Ice cleat for footwear. 2,629,943, Mar. 3.

Camp, James B., Fairfield, Ala., assignor to United States Steel Corporation. Electronic counter. 2,635,809, Apr. 21.

Camp, Samuel C.: *See*—
Stevens, Donald R., and Camp.

Camp, Thomas P., Arlington Heights, Ill., J. I. Thorsen, Philadelphia, Pa., and J. A. Besal, assignors to United States Gypsum Company, Chicago, Ill. Self-cleaning gate for mixing machines. 2,660,416, Nov. 24.

Campagna, Anthony J., Pontiac, Ill. Collapsible tube holder with tube collapsing means and brush supports. 2,637,467, May 5.

Campbell, Archibald C., Englewood, Colo. Cigarette lighter and case. 2,638,209, May 12.

Campbell, Archie D., Whiting, Ind. Ice-cream cone dipping apparatus. 2,642,029, June 16.

Campbell, Arthur W.: *See*—
Messerly, George H., and Campbell.

Campbell, Charles R., Jr., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Selective staking machine. 2,646,676, July 28.

Campbell, Cleo W.: *See*—
Taylor, William G., and Campbell.

Campbell and Company, assignee: *See*—
Strybel, Edward J.

Campbell, D. F., assignee: *See*—
Dougherty, Richard H.

Campbell, David H., Norwalk, Calif., assignor to North American Aviation, Inc. Crystal oscillator. 2,656,467, Oct. 20.

Campbell, David J., Richmond Hill, S. P. McCabe, Jr., Freeport, and H. Harris, Jr., Cedarhurst, N. Y., assignors to The Sperry Corporation. Gun directing system. 2,660,371, Nov. 24.

Campbell, Earl A., Owosso, Mich. Rocket ship amusement apparatus. 2,661,211, Dec. 1.

Campbell, Edward O.: *See*—
Duhamel, Howard G., Campbell, and Reed.

Campbell, Ernest F., Springfield, Va., G. W. Kinzelman, Washington, D. C., and A. J. Stanton, Bethesda, Md. Fuse setting apparatus. 2,642,778, June 23.

Campbell, Erwin A., Wexford, assignor to Lee C. Moore Corporation, Pittsburgh, Pa. Tower jacking structure drive. 2,656,149, Oct. 20.

Campbell, Frank G., assignee: *See*—
Messick, Kirwan Y.

Campbell, George E.: *See*—
Hanes, James G., Jr., and G. S. and G. E. Campbell.

Campbell, George E., assignor to The Wheland Company, Chattanooga, Tenn. Metal-to-metal seated valve pot cover with independent gasket sealing adjustment. 2,649,988, Aug. 25.

Campbell, George S.: *See*—
Hanes, James G., Jr., and G. S. and G. E. Campbell.

Campbell, Gertrude D., assignee: *See*—
Sierer, Payson, and Waterbury.

Campbell, Harris S., assignee: *See*—
Tidd, Gage W.

Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Mechanism for controlling blade movements of aircraft sustaining rotors. 2,640,554, June 2.

Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor blade with suction system for boundary layer control. 2,656,892, Oct. 27.

Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Control system for tandem rotor helicopters. 2,659,551, Nov. 17.

Campbell, J. Allan: *See*—
Holysz, Roman P., Jr., and Campbell.

Campbell, James S., assignor to Verney Corporation, Manchester, N. H. Textile slasher. 2,662,264, Dec. 15.

Campbell, John, Tonawanda, N. Y. Suction box. 2,627,789, Feb. 10.

Campbell, John E.: *See*—
Blout, Elkan R., Campbell, Corley, and Snow.

Campbell, John E., Lombard, Ill. Clothes hanger. 2,629,526, Feb. 24.

Campbell, John F., Cuyahoga Falls, Ohio. Recirculating dusting system. 2,626,011, Jan. 20.

Campbell, John F., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Automatic fuel control for gas turbine engines. 2,637,374, May 5.

Campbell, John F., Euclid, Ohio. Spray nozzle. 2,656,218, Oct. 20.

Campbell, John J., Toronto, Ontario, Canada. Tool for gripping fish and other objects. 2,626,178, Jan. 20.

Campbell, John S., and W. Brown, Melbourne, Ontario, and G. A. Douglas, Mount Bridges, Ontario, Canada. Stamping apparatus for frangible articles. 2,641,179, June 9.

Campbell, Joseph G., Santa Barbara, Calif. Eye bath device. 2,626,606, Jan. 27.

Campbell, Kenneth N., South Bend, Ind., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N,N-disubstituted, β-haloethylamines. 2,640,828, June 2.

Campbell, Lawrence F., Silver Spring, Md. Closed cycle engine. 2,645,216, July 14.
Campbell, Lloyd B., assignee: *See*—
Ault, Harley A.
Campbell, Louis T., Pittsburgh, Pa., assignor to United States Steel Corporation. Continuous pickling apparatus. 2,650,599, Sept. 1.
Campbell, Michael F., Sterling, Colo. Intermittently-variable drive mechanism. 2,661,953, Dec. 8.
Campbell, Milton H.: *See*—
Bartleson, John D., and Campbell.
Campbell, Oliver F., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Treatment of pitch. 2,652,594, Sept. 22.
Campbell, Ralph W., Deaver, Wyo. Water bag carrier for motor vehicles. 2,645,393, July 14.
Campbell, Ramsey G., Richmond, Calif., assignor to Stauffer Chemical Company. Pest control chemicals. 2,645,592, July 14.
Campbell, Richard D., Hartland, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Manufacture of impellers and the like. 2,654,943, Oct. 13.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Intercommunicating apparatus. 2,662,115, Dec. 8.
Campbell, Robert C., assignor of one-third to E. P. Levine, Portsmouth, Va. Bobbin signal. 2,647,482, Aug. 4.
Campbell, Shirley P., assignor to The Coleman Company, Inc., Wichita, Kans. Blower structure. 2,656,095, Oct. 20.
Campbell, Susie: *See*—
Reynolds, Roy L., and Campbell.
Campbell Taggart Research Corporation, assignee: *See*—
Archer, Irving M.
Campbell, Thomas A., assignor to Stewart-Warner Corporation, Chicago, Ill. Farm bucket pump and booster gun. 2,655,287, Oct. 13.
Campbell, Tod W.: *See*—
Olcott, Harold S., and Campbell.
Campbell, Tod W., Orinda, and G. M. Coppinger, El Cerrito, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of aromatic aldehydes. 2,628,256, Feb. 10.
Campbell, William C.: *See*—
Kaiser, Harry E., and Campbell.
Campbell, William P., Baltimore, and F. N. Dailey, Ruxton, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Removing spirally wound articles. 2,635,292, Apr. 21.
Campbell, Wilson E., assignee: *See*—
Menge, Theodore L.
Campbell Wyant and Cannon Foundry Co., assignee: *See*—
Wagner, Frederick A., Pierce, and Gedmin.
Campini, Secondo, Milan, Italy. Cooling combustion turbines. 2,648,519, Aug. 11.
Campion, James F., Freeport, N. Y. Collapsible clothes drier. 2,644,592, July 7.
Campodonico, Frank G., assignee: *See*—
Campodonico, John J.
Campodonico, John J., assignor of 17½ per cent to himself, 17½ per cent to F. G. Campodonico, 17½ per cent to E. E. Breitenbucher, 17½ per cent to J. E. Guillet, 15 per cent to J. J. Ferraiuolo, and 15 per cent to J. T. McNally, Stockton, Calif. Transmission. 2,633,753, Apr. 7.
Campomar, Miguel A., Montevideo, Uruguay. Portable beach shade support. 2,628,797, Feb. 17.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Constant speed drive for magnetic record members. 2,624,574, Jan. 6.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Electromagnetic transducer head. 2,628,285, Feb. 10.
Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magnetic recorder. 2,632,059, Mar. 17.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic record player. 2,633,362, Mar. 31.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Automatic stop arrangement for magnetic recorders. 2,633,503, Mar. 31.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Twisted loop magnetic recorder. 2,647,750, Aug. 4.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic recorder. 2,648,590, Aug. 11.
Camras, Marvin, assignor to Armur Research Foundation of Illinois Institute of Technology, Chicago, Ill. Electromagnetic transducer head. 2,653,189, Sept. 22.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic sound apparatus. 2,654,809, Oct. 6.
Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Drive mechanism for magnetic recorders. 2,659,541, Nov. 17.
Canada, Alfred H., Schenectady, N. Y. Automatic flash spotter. 2,641,156, June 9.
Canada, Alfred H., Schenectady, N. Y., assignor to General Electric Company. Frequency modulated photometer. 2,648,249, Aug. 11.
Canada Dry Ginger Ale, Incorporated, assignee: *See*—
Donnelly, John H.
Canada, Her Majesty the Queen in the right of, as represented by the Minister of National Defence, assignee: *See*—
Sheffer, Harry, Hyde, and Hadow.
Canada, Her Majesty the Queen in the rights of, as represented by the Minister of National Defence, assignee: *See*—
McKay, Arthur F.
Canada, His Majesty the King in the right of, as represented by the Department of National Defence, assignee: *See*—
Cox, James W., and Greenaway.
Canada Packers Limited, assignee: *See*—
Fill, Metro.
Force, Leonard T., Moore, and Hincks.
Canadian Controllers, Limited, assignee: *See*—
Grepe, Frederick Y.
Canadian Copper Refiners Limited, assignee: *See*—
Schloen, John H., and Ekler.
Canadian General Electric Company, Limited, assignee: *See*—
Elgar, Everett C.
Canadian Industries Limited, assignee: *See*—
Allenby, Owen C. W.
Allenby, Owen C. W., and MacKenzie.
Graham, George W.
Canadian International Paper Company, assignee: *See*—
Bryans, Harry C.
Charles, Frank R., and Dixon.
Canadian Radium & Uranium Corporation, assignee: *See*—
Wells, Winston.
Canadian Refractories Limited, assignee: *See*—
Lathe, Frank E.
Canady, Buel H., Huntington Park, Calif., and C. J. Wiley, Winslow, Ariz. Dual wheel mounting. 2,636,782, Apr. 28.
Canady, Buel H., Huntington Park, Calif., and C. J. Wiley, Winslow, Ariz. Dual wheel mounting. 2,636,783, Apr. 28.
Canal Industrial Company, assignee: *See*—
Meryman, Harold T.
Canan, Walter T., Pasadena, Calif. Tongue depressor and mirror therefor. 2,653,597, Sept. 29.
Candee, Allan H., Brighton, assignor to Gleason Works, Rochester, N. Y. Method and apparatus for relieving cutter blades. 2,629,973, Mar. 3.
Candee, Cornelius F., Buffalo, N. Y. Toy animal figure. 2,636,817, Apr. 28.
Candee, Zenas P., Watertown, assignor to The Waterbury Farrel Foundry & Machine Company, Inc., Waterbury, Conn. Flexible power transmission coupling. 2,655,013, Oct. 13.
Candela, Pompeo B., San Bernardino, Calif. Apparatus for introducing cut film into cameras. 2,648,265, Aug. 11.
Candler, George, assignee: *See*—
McCormick, Michael.
Candlin, James E., Jr., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Welded corner post assembly. 2,638,854, May 19.
Candor, Robert R.: *See*—
McCormick, Francis H., and Candor.
Candor, Robert R., assignor to General Motors Corporation, Dayton, Ohio. Combined drier and room dehumidifier. 2,627,669, Feb. 10.
Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,647,385, Aug. 4.
Candy, Albert M., La Grange, assignor to National Cylinder Gas Company, Chicago, Ill. Gripping device for welding electrode holders and the like. 2,634,356, Apr. 7.
Candy, Albert M. La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Welding stud and arc welding. 2,638,525, May 12.
Canfield, William B.: *See*—
Rust, John B., and Canfield.
Canfora, Arthur E., Brooklyn, N. Y., assignor to Radio Corporation of America. Electronic phase shifting system. 2,636,984, Apr. 28.
Canfora, Arthur E., Brooklyn, N. Y., assignor to Radio Corporation of America. Reproducer for magnetically recorded signals. 2,658,950, Nov. 10.
Cangemi, Luigi, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Article with passages. 2,644,665, July 7.
Cangialosi, Livio A., Brooklyn, N. Y. Drafting instrument. 2,627,116, Feb. 3.
Canham, George E., West Orange, assignor to Ralph C. Coxhead Corporation, Newark, N. J. Apparatus for type composition. 2,664,038, Dec. 29.
Cannard, William H.: *See*—
Boulware, James E., and Cannard.
Cannard, William H., Attleboro, Mass. Expansible core chuck. 2,647,701, Aug. 4.
Cannella, Gaspari H., Brooklyn, N. Y. System and apparatus for dispensing fluids. 2,634,023, Apr. 7.
Canning, Raleigh O.: *See*—
Gillerstrom, Hilmer A., and Canning.

Cannon, George E., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for cementing wells. 2,635,697, Apr. 21.
Cannon, Gus G., Atlanta, Ga. Generator lifting tool. 2,629,584, Feb. 24.
Cannon, Harry B., Chestertown, Md., and O. H. Trudeau, Manteno, Ill.; said Trudeau assignor to said Cannon. Concentration and separation of granular mixtures. 2,644,583, July 7.
Cannon, James D.: *See*—
Rodger, William R., and Cannon.
Cannon, John B., Jr.: *See*—
John, Frank T., and Cannon.
Cannon Mills Company, assignee: *See*—
Swing, Edward R.
Cannon, William D.: *See*—
Wells, Philip H., Steinmetz, and Cannon.
Cannon, William J., Covington, Ga. Clothespin holder. 2,647,550, Aug. 4.
Canon Camera Company, Ltd., assignee: *See*—
Ito, Hiroshi.
Suzukawa, Hiroshi.
Cantalupo, Francis J.: *See*—
Schmidt, Edward G., and Cantalupo.
Cantalupo, Francis J., assignor to Crane Co., Chicago, Ill. Thermostatic mixing valve. 2,628,781, Feb. 17.
Cantalupo, Francis J., Chicago, E. P. De Craene, Westchester, E. G. Schmidt, Western Springs, C. W. Yant, Maywood, and R. P. Setka, assignors to Crane Co., Chicago, Ill. Flow control device. 2,642,896, June 23.
Canter, George G., and Gilbert G., New York, N. Y. Bag seal. 2,654,624, Oct. 6.
Canter, Gilbert G.: *See*—
Canter, George G., and Gilbert G.
Cantinieau, Jean: *See*—
Maillard, Francis, Laville, and Cantinieau.
Cantor, Alexander, Chicago, Ill. Collapsible hat. 2,663,024, Dec. 22.
Cantor, Jacob J., Los Angeles, Calif. Vacuum breaker. 2,655,171, Oct. 13.
Cantor, Jerome, assignee: *See*—
Brendel, Raymond J.
Cantor, Sidney M., Overbrook Hills, Pa., assignor to The American Sugar Refining Company, New York, N. Y. Recovery of aconitic acid from its alkaline earth salts. 2,640,852, June 2.
Cantral, John I.: *See*—
Silver, Walter H., and Cantral.
Cantrell, Hersel G., Jacksboro, Tex. Loading device. 2,653,721, Sept. 29.
Cantrell, Troy L.: *See*—
Smith, Herschel G., Cantrell, and Fisher.
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Cantrell, and Peters.
Smith, Herschel G., Hill, and Cantrell.
Cantrell, Walker W., assignor to P. H. Hanes Knitting Company, Winston-Salem, N. C. Label or hanging loop for garments, and forming and attaching the same. 2,634,422, Apr. 14.
Cantrell, William H.: *See*—
Allen, James E., and Cantrell.
Cantu, Rudolph, Lyford, Tex. Wire bending and coiling tool. 2,652,074, Sept. 15.
Caparone, Michael J., Arcadia, Calif., assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic control device for water heaters. 2,656,984, Oct. 27.
Caparone, Michael J., Arcadia, and C. M. Vaughn, Los Angeles, Calif., assignors to Robertshaw-Fulton Controls Company, Greensburg, Pa. Combined thermostat and automatic pilot control. 2,658,686, Nov. 10.
Capblanch, Julian, Barcelona, Spain. Apparatus for constructing posts in the ground. 2,660,862, Dec. 1.
Cape, Arthur T., Los Angeles, Calif., assignor to Coast Metals, Inc., Little Ferry, N. J. Weld rod. 2,650,162, Aug. 25.
Capehart, Ashbourne D., Oxford, and E. A. Hines, Henderson, N. C. Clock control time period signal device. 2,642,490, June 16.
Capehart-Farnsworth Corporation, assignee: *See*—
Farnsworth, Philo T.
Lapish, Arlington V.
Capell, Robert G., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Compositions comprising bentonite-organic amine compounds in asphalts, tars, or pitches. 2,661,301, Dec. 1.
Capell, Robert G., W. P. Ridenour, and J. A. Stewart, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Paraffin wax compositions. 2,636,002, Apr. 21.
Capell, Robert G., W. P. Ridenour, and J. A. Stewart, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Paraffin wax compositions. 2,636,003, Apr. 21.
Capell, Robert G., W. P. Ridenour, and J. A. Stewart, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Paraffin wax compositions. 2,636,004, Apr. 21.
Capell, Robert G., W. P. Ridenour, and J. A. Stewart, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Paraffin wax composition. 2,646,362, July 21.
Capital Industrial Fabricators, Inc., assignee: *See*—
Regnier, Gerard M.
Capitani, Arnold P., Detroit, Mich. Rearview for motor vehicles. 2,644,363, July 7.
Capito, Gregory D., Warren, Ohio. Device for loading the magazines of automatic guns. 2,659,173, Nov. 17.
Capitol Records, Inc., assignee: *See*—
Rice, Frederick H.
Caplan, Max, assignee: *See*—
Suben, Morten.
Caples, Frederick C., Columbia City, Oreg. Utensil support for campfires. 2,633,318, Mar. 31.
Caplin, Stuart: *See*—
Rubinstein, Matthew N., and Caplin.
Caplis, George W., Clifton, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing and packing fixture. 2,664,544, Dec. 29.
Capossela, John C., North Tarrytown, N. Y. Ankle and foot support. 2,645,222, July 14.
Cappel, Klaus L., San Francisco, Calif. Boat davit. 2,647,269, Aug. 4.
Cappelle, Emil R., Chicago, Ill. Coin-controlled mileage metering device. 2,662,627, Dec. 15.
Cappelletti, Emilio: *See*—
Abbate, Albert, and Cappelletti.
Cappellini, Richard J., Amityville, N. Y. Portable charcoal container and dispenser. 2,630,941, Mar. 10.
Cappello, Triest J., Seneca Falls, N. Y. Coffee percolator. 2,660,107, Nov. 24.
Capra, Elzo B., Mantova, Italy. Multiple point connector for braces. 2,659,618, Nov. 17.
Caprara, André J., and A. C. Kawka, Paris, France. Apparatus for attaching elastic bands to garments. 2,630,773, Mar. 10.
Caps, Arthur W., Rochester, N. Y., assignor to Photostat Corporation. Photographic print treating apparatus. 2,650,527, Sept. 1.
Capstack, Eugene J., G. Weber, and A. Zuccarini, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Check weigher. 2,633,972, Apr. 7.
Capsulube Company, assignee: *See*—
Bryant, William A.
Caputo, James V., Youngstown, Ohio. Homopolar generator. 2,636,140, Apr. 21.
Caputo, James V., Youngstown, Ohio., and T. J. Crawford, Berkley, Mich., said Crawford assignor to said Caputo. Homopolar dynamoelectric machine. 2,640,942, June 2.
Caramelli, Carl F., assignor to P. G. Caramelli, Los Angeles, Calif. Adjustable counterseat. 2,624,566, Jan. 6.
Caramelli, Carl F., assignor to P. G. Caramelli, Los Angeles, Calif. Sliding counter seat. 2,645,272, July 14.
Caramelli, Peter G., assignee: *See*—
Caramelli, Carl F.
Caraway, John B., Evansville, Ind., assignor to United States of America as represented by the Secretary of War. Balanced to unbalanced energy transfer circuit. 2,639,328, May 19.
Carbary, Edward M., South Acton, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical device. 2,640,871, June 2.
Carbary, Edward M., South Acton, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Attaching clip. 2,656,577, Oct. 27.
Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Door biasing structure. 2,634,465, Apr. 14
Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Frost indicator for refrigerators. 2,644,422, July 7.
Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Spring terminal fitting. 2,657,420, Nov. 3.
Carbee, Sheldon, Melrose, Mass. Folding crib. 2,641,774, June 16.
Carbide Saw & Tool Company, assignee: *See*—
Bowes, Robert A.
Carbodies Limited, assignee: *See*—
Orr, John H.
Carboni, Rudolph A.: *See*—
Regna, Peter P., Carboni, and Timreck.
Carboni, Rudolph A., Yonkers, N. Y., and P. P. Regna, West New York, N. J., assignors to Chas. Pfizer & Co. Inc. Crystalline naphthalene sulfonate salts of streptomycin and dihydrostreptomycin. 2,650,216, Aug. 26.
Carbonic Dispenser, Inc., assignee: *See*—
Welty, Frank and R.
Welty, Frank and R. D.
Carbonic Products, Inc., assignee: *See*—
Martin, James W.
Carbonisation et Exploitations Forestières S. A. (C. E. F.), assignee: *See*—
Muller, Frederic A., and Saffores.
Carbonneau, Gordon S., assignor to Carbonneau Industries, Inc., Grand Rapids, Mich. Record speed adapter. 2,634,133, Apr. 7.
Carbonneau Industries, Inc., assignee: *See*—
Carbonneau, Gordon S.
Carbonnier, Robert, Tananarive, Madagascar. Flotation machine. 2,626,052, Jan. 20.

Carborundum Company, The, assignee: *See*—
Eastman, Don L.
Foss, Carl W., and Buell.
Mitchell, Robert D., Pahl, and Hunter.
Nicholson, Kenneth C.
O'Neil, Joseph R., Jr.

Carbrey, Robert L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code modulation communication system. 2,636,159, Apr. 21.

Carbrey, Robert L., Summit, C. C. Cutler, Gillette, and C. B. H. Feldman, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse regenerator. 2,658,997, Nov. 10.

Carburetor Company, assignee: *See*—
Boyce, Leonard D.

Carcereny, Juan J., San Vicens dels Horts, Spain. Combined hinge and latch for doors. 2,660,752, Dec. 1.

Card, Calvin G., Waukena, Calif. Apparatus for preparing seedbeds. 2,652,760, Sept. 22.

Cardell, Olof, Sollentuna, Sweden. Antiskid device. 2,663,345, Dec. 22.

Cardenas, Henry E., Kansas City, Kans. Safety razor. 2,624,109, Jan. 6.

Cardinal, Earl V., Berwyn, Ill., assignor to Corn Products Refining Company, New York, N. Y. Separation of tyrosine and cystine. 2,650,242, Aug. 25.

Cardon, Maurice H., Paris, France. Correcting device for printing apparatus. 2,646,155, July 21.

Cardox Corporation, assignee: *See*—
Hesson, James C.
Mitcheltree, Walter F.
Williamson, Hilding V.

Cardoza, Frank: *See*—
Gordon, Elwin V., Simpson, and Cardoza.
Simpson, Robert D., Gordon, and Cardoza.
Simpson, Robert D., Gordon, Cardoza, and Jacobs.

Cardozo, Danforth, Jr.: *See*—
Willis, Sumner C., and Cardozo.

Cardwell, Gilbert P.: *See*—
Dyche, Howard E., Jr., and Cardwell.

Cardwell, James R., Barrington, Ill., assignor to Cardwell Westinghouse Company. Draft gear. 2,636,620, Apr. 28.

Cardwell, Milton M., and O. C. Roddey, Baton Rouge, La., and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Catalyst recovery. 2,663,676, Dec. 22.

Cardwell, Paul H., and C. L. Lunsford, Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Treatment of wells. 2,640,810, June 2.

Cardwell, Paul H., and F. H. Braunlich, Jr., Tulsa, Okla., assignors to The Dow Chemical Company, Midland, Mich. Preventing loss of fluid into their formations. 2,650,195, Aug. 25.

Cardwell Westinghouse Company, assignee: *See*—
Cardwell, James R.
Tucker, Herbert E.

Carelock, Claude L., Jr., assignee: *See*—
Carelock, Claude L.

Carelock, Claude L., Douglas, Ga. Plant setting machine. 2,625,122, Jan. 13.

Carelock, Claude L., assignor of one-half to C. L. Carelock, Jr., Douglas, Ga. Fender attachment for tractor mounted cultivating units. 2,660,941, Dec. 1.

Caretto, Louis, Lynbrook, N. Y., assignor of 33⅓% to R. Henderson, Summit, N. J. Dispenser for condiments or the like. 2,655,288, Oct. 13.

Carew, Herman, and W. M. Mack, assignor to Dixie Cup Company, Easton, Pa. Holder-dispenser for paper cups. 2,630,361, Mar. 3.

Carey, Eric L., Ottawa, Ontario, Canada. Planing attachment for jointers. 2,642,902, June 23.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Means for limiting the supply of fuel to continuous combustion turbine engines during accelerations of the latter. 2,638,742, May 19.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Fuel supply system with emergency switching means. 2,638,973, May 19.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Starting system for gas turbine engines, using multiple fuel pumps. 2,640,318, June 2.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Liquid fuel supply system for internal-combustion turbines with afterburners. 2,658,330, Nov. 10.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Automatic torch ignition system for internal-combustion turbine engines. 2,660,233, Nov. 24.

Carey, Herbert C., assignor to Aldous Successors Limited, Brightlingsea, England. Boat hull construction. 2,662,237, Dec. 15.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Armstrong, George M., and Cook.
Fasold, George A., and Callahan.
Ferlise, Louis.
Groskopf, Edwin O.

Carey, William J., Cleveland Heights, Ohio. Rotary pump or motor. 2,633,803, Apr. 7.

Carhart, Homer W.: *See*—
Stokes, Arthur J., and Carhart.

Carhart, Nathan A., and E. F. Stoner, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Variable camber wing. 2,650,047, Aug. 25.

Carissimi, Louis C., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Electric dry shaver. 2,643,453, June 30.

Carlesimo, John J., Detroit, Mich. Excavating bucket. 2,660,323, Nov. 24.

Carleton, Edward L.: *See*—
Urso, Ralph F., Gardes, and Carleton.

Carleton, Henry, Silver Spring, Md. Recording decelerometer. 2,641,457, June 9.

Carley, Clyde H., North Adams, Mass. Steam generator. 2,662,506, Dec. 15.

Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,626,440, Jan. 27.

Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Bonding machine. 2,655,980, Oct. 20.

Carlin, Arvid F., New Rochelle, N. Y. Holder for toilet paper and paper towels. 2,643,069, June 23.

Carlin, Etta M., Bovill, Idaho. Garment shoulder strap holder. 2,649,639, Aug. 25.

Carlin, Frank J., Fort Atkinson, Wis., assignor to United States Rubber Company, New York, N. Y. Adhesion of polymeric materials to glass. 2,628,922, Feb. 17.

Carlin, Frank J., Upper Saddle River, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymerization of polyolefinic esters of 2-alkenyl alcohols with certain monoolefinic hydrocarbons. 2,626,945, Jan. 27.

Carlino, Joseph, attorney, assignee: *See*—
Sparano, Ottorino.

Carlisle Corporation, assignee: *See*—
Kaebnick, Gustav A., Parr, and Otstot.

Carlisle, James V., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Fused salt electrolysis cell. 2,648,631, Aug. 11.

Carlisle, Richard W., assignor to Sonotone Corporation, Elmsford, N. Y. Vented casing and vaporproof enclosure for sound transducers. 2,638,508, May 12.

Carlisle, Willis C., Hufsmith, assignor to Macco Oil Tool Company, Houston, Tex. Rotating rathole head. 2,633,330, Mar. 31.

Carlisle, Willis C., and J. H. McCarvell, Houston, Tex., assignors to Macco Oil Tool Company, Inc. Treating well fluids. 2,654,436, Oct. 6.

Carliss, Oswald S., Glenside, Pa., assignor, by mesne assignments, to The Jacobs Bros. Co. Inc., New York, N. Y. Photoelectric batching weigher. 2,650,790, Sept. 1.

Carlon, Paul R., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Fluid meter adjustable calibration device. 2,630,713, Mar. 10.

Carls, William, co-executor, assignee: *See*—
McLeod, Roy D.

Carlson, Arthur C., Anacortes, assignor, by mesne assignments, to American Manufacturing Company, Inc., Tacoma, Wash. Spliced veneer sheet offbearing mechanism. 2,649,976, Aug. 25.

Carlson, Arthur W., Kankakee, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Water heater flue construction. 2,650,575, Sept. 1.

Carlson, Boyd N., El Monte, Calif. Door closer. 2,653,043, Sept. 22.

Carlson, Boyd N., El Monte, Calif. Door latch. 2,660,765, Dec. 1.

Carlson, Byron: *See*—
Armstrong, Daniel A., Carlson, and Walz.

Carlson, Byron, Minneapolis, Minn., and J. E. Betzold, Huntington Park, Calif., assignors to Scott-Atwater Manufacturing Co. Inc., Minneapolis, Minn. Water inlet structure for outboard motors. 2,652,802, Sept. 22.

Carlson, Carl O., Stockholm, Sweden. Apparatus for measuring pressures and pressure variations. 2,653,295, Sept. 22.

Carlson, Carl S.: *See*—
Drout, William M., Jr., Carlson, Scheeline, and Smith.

Carlson, Carl S., Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Separation and purification of alcohols by extractive distillation. 2,635,992, Apr. 21.

Carlson, Carl S., Roselle, F. A. Biribauer, and C. E. Porter, Cranford, N. J., assignors to Standard Oil Development Company. Precipitation of nonvolatile substances in distillation of Fischer-Tropsch synthesis mixtures. 2,644,786, July 7.

Carlson, Carl U., Middle Village, N. Y. Tool protecting cover. 2,636,633, Apr. 28.

Carlson, Chester F., New York, N. Y. Graphic recording. 2,624,652, Jan. 6.

Carlson, Clifford E., Oshkosh, and G. Hatch, Milwaukee, Wis. Combination space and water heating unit. 2,643,323, June 23.

Carlson, David J.: *See*—
Prowinsky, Joseph H., and Carlson.

Carlson, Donald E.: *See*—
Tomlinson, Ben L., and Carlson.

Carlson, Earl J.: *See*—
Foit, Vernon L., and Carlson.

Carlson, Earl J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with unsaturated aliphatic carboxylic acids. 2,657,197, Oct. 27.

Carlson, Edward C., assignor to H. S. Sines, Chicago, Ill. Insulator tie. 2,643,283, June 23.

Carlson, Elmer V., assignor to Shure Brothers, Incorporated, Chicago, Ill. Phonograph stylus. 2,631,858, Mar. 17.

Carlson, Emil, Detroit, Mich., assignor, by mesne assignments, to Pioneer Specialty Company. Radio aerial. 2,632,106, Mar. 17.

Carlson, Emil, assignor, by mesne assignments, to H. Y. Bassett, O. D. Marcks, and V. D. Hanna, Detroit, Mich. Extensible antenna construction. 2,634,370, Apr. 7.

Carlson, Emil, Maspeth, N. Y. Percussion musical instrument. 2,640,385, June 2.

Carlson, Eric S., assignor to General Motors Corporation, Detroit, Mich. Ash receiver with mounting plate. 2,639,055, May 19.

Carlson, Folke K., Mount Kisco, N. Y., assignor to General Precision Laboratory Incorporated. Locking arbor. 2,652,738, Sept. 22.

Carlson, Fred O., assignor to Carlson & Sullivan, Inc., Monrovia, Calif. Ruler construction. 2,629,180, Feb. 24.

Carlson, George W., Mountain Home, assignor to Robotyper Corporation, Hendersonville, N. C. Unit for translating punched card data. 2,661,154, Dec. 1.

Carlson, George W., Wayne, assignor to Robotyper Corporation, Detroit, Mich. Spring biased actuator. 2,639,139, May 19.

Carlson, Goodwin A., Slayton, Minn. Gasoline hammer. 2,627,849, Feb. 10.

Carlson, Gustaf W., Woburn, Mass. Folding chair. 2,658,558, Nov. 10.

Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Crochet hook. 2,635,444, Apr. 21.

Carlson, Gustav A., Des Plaines, assignor to The Boye Needle Company, Chicago, Ill. Tubular knitting device. 2,658,364, Nov. 10.

Carlson, Harold, Dallas, Tex. Score card holder. 2,636,751, Apr. 28.

Carlson, Harold A.: *See*—
Moseley, James T. W., and Carlson.

Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Metering valve adjustment. 2,654,389, Oct. 6.

Carlson, Harold A., Brentwood, and J. T. W. Moseley, Richmond Heights, assignors to Carter Carburetor Corporation, St. Louis, Mo. Stabilizer for overrunning thermostatic controls. 2,657,862, Nov. 3.

Carlson, Henning M.: *See*—
Hatton, Willard J., and Carlson.

Carlson, Henry E., New Britain, Conn. Folding toothbrush. 2,657,412, Nov. 3.

Carlson, Henry L., Kings Park, N. Y. Concrete mold molding process. 2,661,518, Dec. 8.

Carlson, Howard S., assignee: *See*—
Carlson, Lawrence E.

Carlson, John A., V. H. Bathrick, and A. J. Morse, assignors to Sealed Power Corporation, Muskegon, Mich. Grinding of irregular shaped work. 2,636,322, Apr. 28.

Carlson, John L., Aurora, Ill., assignor to Carlson Tool & Machine Company. Conveyer chain link. 2,654,464, Oct. 6.

Carlson, Lawrence E., Huntington, Ind., assignor to H. S. Carlson, West Branch, Mich. Aerial fire extinguisher. 2,633,920, Apr. 7.

Carlson, Le Roy, Griswold, Iowa. Portable feed grinder carrier. 2,641,326, June 9.

Carlson, Lewis J.: *See*—
Bock, Louis H., and Carlson.

Carlson, Louis W., San Fernando, assignor to Monarch Bracket Company, Riverside, Calif. Mounting bracket for semaphore signal devices. 2,630,995, Mar. 10.

Carlson, Melvin G., assignor to Goodman Manufacturing Company, Chicago, Ill. Fluid pressure system. 2,643,516, June 30.

Carlson, Melvin G., assignor to Goodman Manufacturing Company, Chicago, Ill. Hydraulic control system for articulated locomotives and the like. 2,659,203, Nov. 17.

Carlson, Melvin G., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine hydraulic control system and master safety valve therefor. 2,659,206, Nov. 17.

Carlson, Noble R., McPherson, assignor to H. Krober, McPherson County, Kans. Combined dissolver and sprinkler control device. 2,630,346, Mar. 3.

Carlson, Norris W., Dayton, Ohio. Parachute load release. 2,650,127, Aug. 25.

Carlson, Ora E., assignee: *See*—
Kogl, Frank.

Carlson, Oscar E., Paterson, N. J. Counterelectromotive force derivation circuit. 2,649,572, Aug. 18.

Carlson, Raymond A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch device. 2,633,217, Mar. 31.

Carlson, Reuben C., assignor to Admiral Corporation, Chicago, Ill. Phonograph cabinet. 2,634,184, Apr. 7.

Carlson, Reuben C., River Grove, assignor to Admiral Corporation, Chicago, Ill. Tuner slug coupling. 2,629,080, Feb. 17.

Carlson, Reuben C., River Grove, assignor to Admiral Corporation, Chicago, Ill. Tuner indicator and control. 2,642,026, June 16.

Carlson & Sullivan, Inc., assignee: *See*—
Carlson, Fred O.

Carlson Tool & Machine Company, assignee: *See*—
Carlson, John L.

Carlson, Walter H., assignee: *See*—
Kogl, Frank.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Variable resonant structure. 2,641,708, June 9.

Carlsson, Filip R., Eskilstuna, Sweden. Refrigerator with defrosting arrangement. 2,647,376, Aug. 4.

Carlsson, Herbert: *See*—
Berg, Claes, Carlsson, and Ekman.

Carlsson, Johan E.: *See*—
Landau, Frans, Carlsson, and Hedström.

Carlstedt, Fredrik, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Abrader for peeling vegetables. 2,633,884, Apr. 7.

Carlton Corporation, The, assignee: *See*—
Sattler, Gustav, Jr.

Carlton, William C., Hornchurch, England. Shuttlecock and making. 2,626,805, Jan. 27.

Carlton, William C., Hornchurch, England. Shuttlecock. 2,626,806, Jan. 27.

Carlton, William C., Hornchurch, England. Molded shuttlecock. 2,626,807, Jan. 27.

Carlton, William C., Hornchurch, England. Shuttlecock. 2,632,647, Mar. 24.

Carmack, George B.: *See*—
Simon, Otis W., and Carmack.

Carman, Charles R., Park Forest, Ill., assignor to Guardite Corporation. Puffed corn product and making the same. 2,653,104, Sept. 22.

Carman, Charles R., Park Forest, and J. E. Allison, Elmhurst, Ill., assignors to Guardite Corporation. Quick-cooking cereal and making same. 2,653,099, Sept. 22.

Carman, Charles R., Park Forest, and J. E. Allison, Elmhurst, Ill., assignors to Guardite Corporation. Precooked rice. 2,653,100, Sept. 22.

Carman, Charles R., Park Forest, and J. E. Allison, Elmhurst, Ill., assignors to Guardite Corporation. Quick-cooking farina and making same. 2,653,101, Sept. 22.

Carman, Charles R., Park Forest, and J. E. Allison, Elmhurst, Ill., assignors to Guardite Corporation. Quick-cooking wheat and making same. 2,653,102, Sept. 22.

Carman, Charles R., Park Forest, and J. E. Allison, Elmhurst, Ill., assignors to Guardite Corporation. Quick-cooking hominy and making same. 2,653,103, Sept. 22.

Carmichael, Hugh, Deep River, Ontario, Canada, assignor to The Ministry of Supply. Balance. 2,624,564, Jan. 6.

Carmichael, Russell: *See*—
Van Wagener, Raymond H., Carmichael, and Parry.

Carmichael, Thomas F., Plymouth, assignor to Synchro Corporation, Oxford, Mich. Phase indicator. 2,634,404, Apr. 7.

Carmichael, Thomas F., Plymouth, assignor to Synchro Corporation, Oxford, Mich. Vibratory electric motor and mechanism driven thereby. 2,634,559, Apr. 14.

Carmichael, Thomas F., assignor to Synchro Corporation, Rochester, Mich. Vibratory electric motor and tool driven thereby. 2,632,121, Mar. 17.

Carmichael, William, Knightsville, Ind. Centrifugal clutch with quick actuator. 2,647,604, Aug. 4.

Carmouche, Louis N.: *See*—
Bennett, Wallis R., and Carmouche.

Carnagua, Harold E., and D. W. Kelbel, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Friction engaging device and control means therefor. 2,638,185, May 12.

Carnahan, Chalon W., Albuquerque, N. Mex., assignor to Zenith Radio Corporation. Suppressed carrier radio communication system. 2,653,221, Sept. 22.

Carnahan, James E.: *See*—
Arnold, Herrick R., and Carnahan.

Carnahan, James E., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal molybdite catalyzed polymerization. 2,634,260, Apr. 7.

Carnahan, James E., New Castle, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Metal molybdite catalyzed decarbonylation of furfural to furan. 2,634,276, Apr. 7.

Carnahan, James E., New Castle, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing dicarboxylic acid chlorides. 2,657,233, Oct. 27.

Carnahan, James E., Wilmington Manor, New Castle, Del., and H. J. Sampson, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorocarbon compounds and preparation of same. 2,646,449, July 21.

Carnahan, Orson A., Syracuse, N. Y. Helicopter-airplane. 2,629,570, Feb. 24.

Carnahan, Orson A., Syracuse, N. Y. Valve adapted for float operation. 2,632,622, Mar. 24.

Carnahan, Orson A., Syracuse, N. Y. Heat exchanger. 2,648,527, Aug. 11.

Carne, Gerald G., Rockaway, N. J., assignor to Radio Corporation of America. Light sensitive gaseous electron discharge device and circuit therefor. 2,646,533, July 21.

Carnegie Institution of Washington, assignee: *See*—
Cook, Paul M.

Carnes, James J., Royalton, Minn. Brake. 2,630,885, Mar. 10.

Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Antistatic treatment of articles comprising a vinyl resin and treated articles. 2,626,876, Jan. 27.

Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Treatment of articles comprising a vinyl resin with an antistatic agent and treated articles. 2,626,877, Jan. 27.

Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyether amines and a process for their production. 2,629,740, Feb. 24.

Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Long-chain alkylbenzenesulfonamideethylene oxide condensation products. 2,649,478, Aug. 18.

Carnes, Joseph J., Greenwich, and W. T. Booth, Jr., Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Antistatic treatment of shaped articles comprising a vinyl resin and treated articles. 2,652,348, Sept. 15.

Carnes, Paul S., Los Angeles, Calif., assignor by Decree of Distribution to W. P. Carnes. Chilled water distribution system and means. 2,629,237, Feb. 24.

Carnes, Wilma P., assignee, by decree of distribution: *See*—
Carnes, Paul S.

Carnesecca, Joseph, Jr., Springville, Utah. Portable power shears. 2,631,369, Mar. 17.

Carney, Charles S., E. H. Fritze, and L. C. Stanley, assignors to Collins Radio Company, Cedar Rapids, Iowa. Information-storing device. 2,662,944, Dec. 15.

Carney, Richard L., Jr.: *See*—
Eddy, Robert F., Stecker, and Carney.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for liquid-liquid contacting. 2,626,889, Jan. 27.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Colloidal sulfur process. 2,636,831, Apr. 28.

Carney, Thomas P., assignor to Eli Lilly and Company, Indianapolis, Ind. Substituted benzoic acid esters and their preparation. 2,647,903, Aug. 4.

Caro, Abraham, Dorchester, Mass. Luggage handle. 2,624,431, Jan. 6.

Caron, John B. R.: *See*—
Glendenning, Everett B., Wies, and Caron.
Wies, Calmy, Caron, and Glendenning.

Caronia, Frank J., Elmhurst, N. Y. Brush with liquid feeding means. 2,641,011, June 9.

Carosella, Michael C., and J. D. Mettler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Electrowinning of chromium. 2,650,192, Aug. 25.

Carosella, Michael C., and J. D. Mettler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Electrowinning of chromium. 2,651,611, Sept. 8.

Carothers, Campbell M.: *See*—
Pitts, William A., and Carothers.

Carpenter, Albert R.: *See*—
Cochrane, Stanley, and Carpenter.

Carpenter, Allan O., Corning, and C. E. Blank, Painted Post, assignors to Ingersoll-Rand Company, New York, N. Y. Valve actuator. 2,648,314, Aug. 11.

Carpenter, Arley D.: *See*—
Carpenter, John A. and A. D.

Carpenter, Arley D., Los Angeles, and J. A. Carpenter, North Hollywood, Calif. Spring clamp. 2,651,826, Sept. 15.

Carpenter, Benjamin, deceased, Lake Forest, Ill.; by W. T. Fisher, executor, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic instrument landing system for air-borne craft. 2,632,135, Mar. 17.

Carpenter, Charles R., Eden, N. Y. Convertible furniture article. 2,628,659, Feb. 17.

Carpenter, Clayton A., Wilmington, and R. S. Crog, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus for heating oil wells. 2,647,196, July 28.

Carpenter Container Corporation, assignee: *See*—
Carpenter, Herbert L.

Carpenter, Donald E., Worthington, Ohio. Adjustable headlamp mounting for farm tractors. 2,634,935, Apr. 14.

Carpenter, Edgar L., Wichita Falls, Tex. Under reaming device. 2,644,668, July 7.

Carpenter, Erwin L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of acrylonitrile by catalytic dehydration of ethylene cyanohydrin. 2,646,444, July 21.

Carpenter, Herbert L., Amityville, assignor to Carpenter Container Corporation, Brooklyn, N. Y. Apparatus for bending metal rims around containers. 2,640,524, June 2.

Carpenter, Herbert L., Amityville, assignor to Carpenter Container Corporation, Brooklyn, N. Y. Making fiber drums having metal closures. 2,641,827, June 16.

Carpenter, Herbert L., Amityville, assignor to Carpenter Container Corporation, Brooklyn, N. Y. Container and closure assembly. 2,662,788, Dec. 15.

Carpenter, Jack K., executor: *See*—
Champion, William R.

Carpenter, James R., Fort Worth, Tex., assignor to Container Corporation of America, Chicago, Ill. Can package with handle. 2,654,475, Oct. 6.

Carpenter, John A.: *See*—
Carpenter, Arley D. and J. A.

Carpenter, John A. and A. D., Los Angeles, Calif. Band clamp lock. 2,655,332, Oct. 13.

Carpenter, John M., Donelson, Tenn, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Fixture assembly. 2,624,107, Jan. 6.

Carpenter, Lee R., Cleveland, Ohio. Two-cycle internal-combustion engine having special cooling means therein. 2,647,496, Aug. 4.

Carpenter, Lester M., Spearfish, S. Dak. Radiator bench. 2,663,929, Dec. 29.

Carpenter Manufacturing Corporation, The, assignee: *See*—
Krause, Albert H.

Carpenter, Marshall M., Jr.: *See*—
Barco, Allen A., Bliss, and Carpenter.

Carpenter, Oliver W., Lakewood, Colo. Service tray for automobile instrument panels. 2,650,870, Sept. 1.

Carpenter, Orlin H., Akron, Ohio. Race horse game. 2,634,981, Apr. 14.

Carpenter, Paul G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Tool for impinging liquid against inner walls of chambers. 2,657,753, Nov. 3.

Carpenter, Robert N., Roslyn, N. Y. Dental floss holder. 2,664,093, Dec. 29.

Carpenter, Vera W., Grand Junction, Colo. Sanitary belt. 2,652,058, Sept. 15.

Carpenter, Warren W., Garden City, and P. B. Murphy, Grand View, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical communication switchboard. 2,633,502, Mar. 31.

Carpenter, Wilbur D., Coffeyville, Kans. Variable multipurpose lure. 2,659,175, Nov. 17.

Carpenter, William G. D.: *See*—
Barlow, Alfred C., Carpenter, Cameron, and Griffith.

Carper, Earl W., Parkersburg, assignor of one-half to L. Gotlieb, Clarksburg, W. Va. Cold wave curling rod. 2,625,940, Jan. 20.

Carquillat, Pierre H., Monthey, Switzerland. Photographic exposure calculator. 2,660,375, Nov. 24.

Carr, Clifford H., Kansas City, Mo. Insert nozzle. 2,644,720, July 7.

Carr, Clifford H., assignor of one-half to V. J. Sparks, Kansas City, Mo. Method and apparatus for cooling aggregates. 2,648,206, Aug. 11.

Carr, Clifford H., Kansas City, Mo. Improvement in hollow cone spray nozzle. 2,650,860, Sept. 1.

Carr, Donald E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Operating jet engines with fuel reforming. 2,655,786, Oct. 20.

Carr, James A., Maplewood, F. V. Haskell, Gladstone, S. M. Sutton, Morristown, and O. L. Walter, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Swivel connector. 2,663,748, Dec. 22.

Carr, James P., Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Wheel mirror assembly. 2,656,762, Oct. 27.

Carr, James P., Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Headlight tester. 2,663,216, Dec. 22.

Carr, James W., Jr., L. I. Griffin, Jr., and E. W. S. Nicholson, Baton Rouge, La., assignors to Standard Oil Development Company. Fluidized distillation of oil-shale. 2,643,219, June 23.

Carr, L. J., & Co., assignee: *See*—
Sears, Joseph N.

Carr, Lillian E., Washington, D. C. Stocking drying apparatus. 2,656,932, Oct. 27.

Carr, Ralph L., Jackson Heights, N. Y., assignor to Mathieson Chemical Corporation. Apparatus for mixing hypochlorite solutions. 2,639,981, May 26.

Carr, Robert S., Maplewood, assignor, by mesne assignments, to Titeflex, Inc., Newark, N. J. Tube winding machine. 2,640,451, June 2.

Carr, Robert S., Maplewood, assignor to Airtron, Inc., Linden, N. J. Pressure containing flexible wave guide. 2,657,364, Oct. 27.

Carr, William F., assignor to Lear, Incorporated, Grand Rapids, Mich. Two-speed planetary transmission. 2,659,249, Nov. 17.

Carran, Walter E., Jr., Medford, Mass. Tabular device for musical modulation. 2,657,610, Nov. 3.

Carrau, Mario J., Montevideo, Uruguay. Method of and device for saving shaving soap. 2,646,878, July 28.

Carraway, Thomas W., Dallas, Tex. Air and liquid contact apparatus. 2,631,829, Mar. 17.

Carraway, Thomas W., Dallas, Tex. Air conditioning apparatus. 2,631,830, Mar. 17.

Car-Ree-All Products, Inc., assignee: *See*—
Reece, Clarence D.

Carreiro, Eugenio C. Cambridge, Mass. Fountain-type surface washing and wiping sponge. 2,658,218, Nov. 10.

Carreyette, Jack, Clifton, Bristol, assignor of one-half to British Overseas Airways Corporation, Brentford, England. Aircraft load computing apparatus. 2,657,857, Nov. 3

Carrick Engineering (Stewarton) Limited, assignee: *See*—
Airlie, John, and Mackay.

Carrick, Virgil P., and W. B. Cates, High Point, N. C. Drive means for double-ended socket wrenches. 2,655,063, Oct. 13.

Carrier Conveyor Corporation, assignee: *See*—
Carrier, Robert M., Jr.
Carrier, Robert M., Jr., and Whitley.

Carrier Corporation, assignee: *See*—
Ashley, Carlyle M.
Baker, Donald L.
Berestneff, Alexis A.
Del Signore, James R.
Fletcher, James L., and Osborne.
Goldmann, Philipp.
Lewis, Leo L.
Merrick, Richard H.
Osborne, Samuel C.
Reed, Winston H., and Pennington.

Carrier, E. Wendell, Cranford, N. J., assignor to Standard Oil Development Company. Recovery of alcohols from direct hydration of olefins. 2,648,711, Aug. 11.

Carrier Engineering Company Limited, assignee: *See*—
Fowler, Alexander P.
Williams, Gethin, and Fowler.

Carrier, Everett L., Dayton, Ohio. Automatic variable surface rudder. 2,636,575, Apr. 21.

Carrier, John A., Lexington, Mass., assignor to Sanitary Products Corporation, Taneytown, Md. Wrapping and sealing machine for tampons. 2,652,670, Sept. 22.

Carrier, Robert M., Jr., Aurora, Ill., assignor, by mesne assignments, to Carrier Conveyor Corporation, Louisville, Ky. Helical vibratory conveyer. 2,630,209, Mar. 3.

Carrier, Robert M., Jr., Aurora, Ill., and M. G. Whitley, assignors, by mesne assignments, to Carrier Conveyor Corporation, Louisville, Ky. Vibratory conveyer with deformable drive coupling. 2,630,210, Mar. 3.

Carrier, Robert M., Jr., and M. G. Whitley, assignors, by mesne assignments, to Carrier Conveyor Corporation, Louisville, Ky. Shaker conveyer. 2,630,211, Mar. 3.

Carrier, Robert M., Jr., Aurora, Ill., and M. G. Whitley, assignors to Carrier Conveyor Corporation, Louisville, Ky. Apparatus for continuously weighing aggregate. 2,630,312, Mar. 3.

Carrigan, Raymond J., assignor to Bigelow-Sanford Carpet Company, Inc., Thompsonville, Conn. Shuttle eye assembly. 2,663,327, Dec. 22.

Carriol, Louis A., La Courneuve, and J. G. A. M. J. Meyer, Neuilly-sur-Seine, assignors to S. A. T. A. M. Societe Anonyme Pour Tous Appareillages Mecaniques, La Courneuve, France. Liquid or gas dispensing and measuring apparatus. 2,630,940, Mar. 10.

Carroll, Bruce J.: *See*—
Devine, William J., and Carroll.

Carroll, Burt H.: *See*—
Spence, John, and Carroll.

Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Supersensitization of photographic emulsions with complex merocyanine dyes. 2,635,961, Apr. 21.

Carroll, Burt H., assignor to Eastman Kodak Company, Rochester, N. Y. Supersensitization of photographic emulsions with complex merocyanine dyes. 2,652,330, Sept. 15.

Carroll, Charles E., Dayton, Ohio. Personnel parachute harness. 2,643,836, June 30.

Carroll Dunham Smith Pharmacal Co., assignee: *See*—
Neesby, Torben E.

Carroll, Ellsworth W., Redwood City, J. W. Edgemond, Jr., Los Altos, and H. J. Jespersen, Menlo Park, assignors to S & W Fine Foods, Inc., San Francisco, Calif. Cherry orientator. 2,655,247, Oct. 13.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Rewind roll drive. 2,634,064, Apr. 7.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record card counting, stacking, and conveying mechanism. 2,642,787, June 23.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record card punching and numbering machine. 2,645,994, July 21.

Carroll, James M., Philadelphia, and T. W. Murphy, Narberth, assignors to The Monarch Manufacturing Works, Inc., Philadelphia, Pa. Gun type oil burner with combustion head structure. 2,637,379, May 5.

Carroll, James W.: *See*—
Plump, Ralph E., and Carroll.

Carroll, James W., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Pickling bath agent. 2,662,857, Dec. 15.

Carroll, John M.: *See*—
Allyn, William N., Cook, Browne, Scott, and Carroll.

Carroll, Kenneth G., Cranford, and D. S. Miller, Westfield, N. J., assignors to United States Steel Corporation. Apparatus for determining coating thickness. 2,642,537, June 16.

Carroll, Laurence S., Great Neck, N. Y. Flexible inflatable and deflatable globe and manufacture. 2,643,598, June 30.

Carroll, Raleigh S., assignor to W. Flett, Portland, Oreg. Apparatus for finishing hardened surfaces on frames for power saws. 2,648,173, Aug. 11.

Carroll, Robert L., Greenville, S. C. Yarn cake holder for winders. 2,635,829, Apr. 21.

Carroll, Robert P., assignor to Davey Compressor Company, Kent, Ohio. Air wall building structure. 2,659,110, Nov. 17.

Carroll, Thomas, Toronto, Ontario, Canada. Pickup hay baler. 2,634,573, Apr. 14.

Carroll, Thomas E., New York, N. Y. Tuck-making guide. 2,642,828, June 23.

Carroll, William A., Berkley, Mich. Fuel filter and demulsifier. 2,638,221, May 12.

Carruth, Herman A., Northford, assignor to National Folding Box Company, Inc., New Haven, Conn. Can carrier. 2,656,960, Oct. 27.

Carruthers, Alfred B., Fort Scott, Kans. Rotatable electrical marker light for trains. 2,641,686, June 9.

Carruthers, Eben H., Warrenton, Oreg. Packing fish materials in containers and products produced thereby. 2,630,390, Mar. 3.

Carruthers, Eben H., Warrenton, Oreg. Apparatus for packing food products. 2,648,478, Aug. 11.

Carson, Andrew H., Los Angeles, Calif. Carburetor. 2,632,636, Mar. 24.

Carson, Benjamin R., Haddonfield, N. J., assignor to Radio Corporation of America. Automatic record changer. 2,629,603, Feb. 24.

Carson, Benjamin R., Haddonfield, N. J., assignor to Radio Corporation of America. Automatic phonograph record playing mechanism. 2,634,135, Apr. 7.

Carson, Boyce G.: *See*—
Selman, Roland W., Jr., and Carson.

Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Coated rubber hydrochloride product. 2,650,174, Aug. 25.

Carson, Forrest L., Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Paraffin scraper. 2,631,674, Mar. 17.

Carson, Frank L., Los Angeles, Calif. Rotary pump. 2,659,313, Nov. 17.

Carson, Howard, and C. L. Muzzey, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Engine controller. 2,649,161, Aug. 18.

Carson, John F., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Production of hexahydrolupulon and the salts thereof. 2,640,856, June 11.

Carson, Richard M., and R. R. Saeks, Dayton, Ohio. Composition for testing for glucose in biological fluids. 2,659,700, Nov. 17.

Carson, Robert H., Arlington, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Tape recorder feed mechanism. 2,658,955, Nov. 10.

Carson, William D.: *See*—
Hindall, Alva L., and Carson.

Carson, William D., and A. L. Hindall, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Manufacture of negative plates. 2,656,400, Oct. 20.

Carson, William G.: *See*—
Witt, Ralph K., Carson, and Raskin.

Carson, William W., Jr., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Pilot-operated valve. 2,635,636, Apr. 21.

Carstensen, Sue B., Redondo Beach, Calif. Glue dispensing article. 2,646,879, July 28.

Carswell, James M., Toronto, Ontario, Canada. Pure reaction turbine with evacuated chamber and rotor element therefor. 2,637,166, May 5.

Carswell, William D.: *See*—
Matthews, John B., Evans, Carswell, and Hutton.

Carta, Anthony, assignee: *See*—
Carta, Pierre.

Carta, Pierre, assignor to A. Carta, Los Angeles, Calif. Slitting device for wire insulation or the like. 2,649,654, Aug. 25.

Carter Carburetor Corporation, assignee: *See*—
Armstrong, James F., and Moseley.
Baisch, John C.
Bicknell, George M.
Boller, Henry A.
Boyce, Leonard D.
Brown, Morris C.
Carlson, Harold A.
Carlson, Harold A., and Moseley.
Coffey, Irven E.
Edelen, James L.
Ericson, George R.
Gilda, Edward T.
Hayden, Arthur A.
Henning, Otto.
Mantle, Thomas D.
Moseley, James T. W., and Carlson.
Schweiss, Joseph.
Smith, Russell F.
Szwargulski, Alex N., and Larson.
Worden, Van C.

Carter, Charles C., Lubbock, Tex. Replacement guide for poppet valve stems. 2,648,322, Aug. 11.
Carter, Clarence F., Danville, Ill. Oscillating valve mechanism. 2,642,215, June 16.
Carter, Clarence F., Danville, Ill. Filling head for vacuum powder filling machines. 2,642,216, June 16.
Carter, Clarence F., and J. A. Reynolds, Danville, Ill., said Reynolds assignor to said Carter. Apparatus for filling containers. 2,630,954, Mar. 10.
Carter, Franklin E., East Aurora, N. Y., assignor to Worthington Corporation. Valve seat assembly. 2,631,577, Mar. 17.
Carter, Franklyn Y., Dearborn, assignor to Detroit Controls Corporation, Detroit, Mich. Insert type thermostatic expansion valve. 2,642,724, June 23.
Carter, George H., Port Washington, N. Y. Reversible hydraulic pump and turbine transmission. 2,645,086, July 14.
Carter, Gipson L.: *See*—
Jacks, Robert L., and Carter.
Carter, Harry B., Austin, Tex. Blade adjusting means for safety razors. 2,657,459, Nov. 3.
Carter, Harry R., Larchmont, N. Y. Traffic violation indicating system for motor vehicles. 2,640,979, June 2.
Carter, Harry W., Flushing, N. Y. Tankless heater and by-passing valve construction therefor. 2,664,275, Dec. 29.
Carter, Hazel, administratrix: *See*—
Carter, Raymond.
Carter, J. C., Company, The, assignee: *See*—
Carter, James C.
Curtis, William H., Aspelin, and Carter.
Carter, Jack W., Winter Haven, Fla., assignor to Fulton Bag & Cotton Mills, Atlanta, Ga. Distributing and feeding mechanism. 2,625,255, Jan. 13.
Carter, Jack W., Winter Haven, Fla., assignor to Fulton Bag & Cotton Mills, Atlanta, Ga. Bag closing and delivery unit. 2,651,272, Sept. 8.
Carter, Jack W., Winter Haven, Fla., assignor to Fulton Bag & Cotton Mills, Atlanta, Ga. Bag holder, carriage, and track assembly. 2,651,443, Sept. 8.
Carter, James C.: *See*—
Curtis, William H., Aspelin, and Carter.
Carter, James C., assignor to The J. C. Carter Company, Pasadena, Calif. Combination fueling and relief valve. 2,639,730, May 26.
Carter, James C., Los Angeles County, assignor to The J. C. Carter Company, Pasadena, Calif. Underwing fueling nozzle and valve for aircraft. 2,653,832, Sept. 29.
Carter, James P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe inseam sewing machine. 2,662,493, Dec. 15.
Carter, John C. G., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,653,233, Sept. 22.
Carter, Joseph E.: *See*—
Tschop, Harry E., Carter, and Goodrich.
Carter, Lawrence T.: *See*—
Long, Nathan A., Carter, Lindley, Stadler, and Fogleman.
Carter, Martin G., Kilgore, Tex. Door operated switch. 2,636,091, Apr. 21.
Carter, Moffett, Berkeley, Calif. Directional indicator. 2,640,972, June 2.
Carter, Nelson W.: *See*—
Pope, John H., and Carter.
Carter Products, Inc., assignee: *See*—
Berger, Frank M., and Ludwig.
McBean, Douglas M.
Carter, Ralph H.: *See*—
Kingsbury, Chadwick B., and Carter.
Carter, Raymond, deceased, Wyoming, Ill.; H. and R. H. Carter, administrators of the Estate of R. Carter. Cutting bar for mowing machines. 2,627,156, Feb. 3.
Carter, Raymond H., administrator: *See*—
Carter, Raymond.
Carter, Robert W., M. G. Currier, W. G. Emig, and K. V. Glentzer, Chicago, Ill., assignors to American Telephone and Telegraph Company. Radiant energy signaling system. 2,640,103, May 26.
Carter, S. C., Co. Inc., assignee: *See*—
Carter, Samuel C.
Carter, Sam F., Jr., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Cupola melting of cast iron. 2,643,185, June 23.
Carter, Samuel C., Glendale, assignor to S. C. Carter Co. Inc., Los Angeles, Calif. Pump drive mechanism. 2,636,391, Apr. 28.
Carter, Seymour W.: *See*—
Hastings, Carlton H., and Carter.
Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Adhesive supply roller for labeling machine pickers. 2,638,073, May 12.
Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Article escapement mechanism for conveyers. 2,638,202, May 12.
Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Pneumatic transfer pad for labeling machines. 2,652,941, Sept. 22.
Carter, Sidney T., Worcester, Mass., assignor to Geo. J. Meyer Manufacturing Co., Cudahy, Wis. Bellows mechanism for pneumatic transfer pads for labeling machines. 2,654,497, Oct. 6.
Carter, Stanley R., Chicago, Ill. Method and apparatus for increasing contrast of transparencies. 2,641,963, June 16.
Carter, Thomas N., Bayside, assignor to Cameron Machine Company, Brooklyn, N. Y. Rewinding machine. 2,650,039, Aug. 25.
Carter, Walton N., Columbus, Ga. Frictionally controlled sliding window sash. 2,638,639, May 19.
Carter, William, Company, The, assignee: *See*—
Smith, Irene P.
Carter, William E., Anderson, Ind. Surgical truss. 2,645,221, July 14.
Carter, William F.: *See*—
Dupont, Louis E., Archer, and Carter.
Carter, William H., P. Barr, Birmingham, and A. W. B. Patch, Erdington, Birmingham, England. Appliance for stropping or honing razor blades. 2,642,704, June 23.
Carter, William R., Edina, Minn. Centrifugal air separator for removal and classification of particles. 2,633,930, Apr. 7.
Carthage Machine Company, assignee: *See*—
Alexander, Ronald R.
Cartier, Effie M., executrix: *See*—
Cartier, Lionel R.
Cartier, Lionel R., deceased, O'Fallon, Ill., E. M. Cartier and N. J. Gundlach, executors, assignors to Independent Engineering Company, Inc., O'Fallon, Ill. Combined type series pump for flashable liquids. 2,630,757, Mar. 10.
Cartier, Lionel R., deceased; E. M. Cartier and N. J. Gundlach, executors, assignors to Independent Engineering Company, Inc., O'Fallon, Ill. Absorber for use in treating gases. 2,643,525, June 30.
Cartier, William O., assignor to The McPhar Engineering Company of Canada Limited, Toronto, Ontario, Canada. Method and apparatus for nondestructive investigation of magnetostrictive solids. 2,656,714, Oct. 27.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Muck stripper for endless track treads. 2,637,603, May 5.
Carton Engineering Corporation, assignee: *See*—
Samsing, Rolf A.
Cartter, William G., and J. R. Ewell, assignors to Day & Night Manufacturing Company, Monrovia, Calif. Apparatus for providing gravity flow in flooded coil refrigeration systems. 2,647,377, Aug. 4.
Cartwright, Cecil E., Corpus Christi, Tex. Vertically adjustable wheel suspension means. 2,636,745, Apr. 28.
Cartwright, Clifford J., assignor to American Forging and Socket Company, Pontiac, Mich. Hand brake assembly. 2,625,063, Jan. 13.
Cartwright, Horace A., Minneapolis, Minn. Universal valve fitting for spray bar outlets. 2,631,893, Mar. 17.
Cartwright, John R.: *See*—
Bowyer, Aldred W., and Cartwright.
Caruolo, George W., Westerly, R. I. Antiskid chain and mounting means therefor. 2,625,977, Jan. 20.
Carva Ventures, Incorporated, assignee: *See*—
Crumble, James H.
Carvallo, Pierre, Barcelona, Spain. Can cooker. 2,632,378, Mar. 24.
Carvelo, William, Oakland, and R. J. Morgan, Piedmont, Calif., assignors to L. A. Young Spring & Wire Corporation. Sectional wire fence. 2,651,502, Sept. 8.
Carver, Fred S., Short Hills, assignor to Fred S. Carver, Inc., Summit, N. J. Valve for controlling high pressure fluids. 2,646,959, July 28.
Carver, Fred S., Inc., assignee: *See*—
Carver, Fred S.
Carver, George P.: *See*—
Wooldridge, Marion J., and Carver.
Carver, Richard N.: *See*—
Lohr, Raymond J., and Carver.
Carver, Richard N., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Molded track for vehicle toys. 2,647,693, Aug. 4.
Carver, Richard N., and J. J. Dobkowski, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Toy dump truck. 2,634,546, Apr. 14.
Carwile, Lois C. K., executrix: *See*—
Davis, Luther, Jr., and Carwile.
Carwile, Preston B.: *See*—
Davis, Luther, Jr., and Carwile.
Carwile, Preston B., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Plastic welding. 2,633,894, Apr. 7.
Carwile, Preston B., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Ultrasonic vibratory device. 2,651,148, Sept. 8.
Cary, Beecher B., assignor to Hayes Industries, Inc., Jackson, Mich. Retroverted passage type muffler with expansion chambers. 2,652,128, Sept. 15.
Cary, Beecher B., assignor to Hayes Industries, Jackson, Mich. Retroverted passage type muffler with resonator chambers. 2,656,005, Oct. 20.
Cary, John E.: *See*—
Shafer, Russell E., and J. E. and V. Cary.

Cary, Rex H. J.: *See*—
Johnson, William A., and Cary.
Cary, Valerie: *See*—
Shafer, Russell E., and J. E. and V. Cary.
Caryl, Leslie, Creations, assignee: *See*—
Fox, Asher J.
Casablancas High Draft Company, Limited, assignee: *See*—
Noguera, Joseph.
Casabona, Anthony M., Hawthorne, assignor to International Standard Electric Corporation, New York, N. Y. Pulse navaglide system. 2,640,982, June 2.
Casabona, Ferdinand, assignor to The Jampol Company, Inc., Brooklyn, N. Y. Apparatus for free pivoting transfer rollers. 2,624,444, Jan. 6.
Casady, Philip M. and R. R., Los Angeles, Calif. Apparatus for cleaning open ended hollow tubular elements. 2,647,526, Aug. 4.
Casady, Philip M. and R. R., Los Angeles, Calif. Apparatus for cleaning hypodermic needles. 2,655,160, Oct. 13.
Casady, Richard R.: *See*—
Casady, Philip M. and R. R.
Casals Duran, Cristobal, assignor to Telares Casals Duran, S. A., Sabadell, Spain. Shuttle brake mechanism for looms. 2,658,532, Nov. 10.
Casals Duran, Telares, S. A., assignee: *See*—
Casals Duran, Cristobal.
Casals, Gabriel, Vedado, Havana, Cuba. Manufacture of artificial leaves of plants. 2,639,533, May 26.
Casas Robert, Ramon, and J. Court, Geneva, assignors to Mefina S. A., Binningen, Switzerland. Sewing machine. 2,633,092, Mar. 31.
Casas Robert, Ramon, and J. Court, Geneva, assignors to Mefina S. A., Binningen, Switzerland. Zigzag sewing machine. 2,652,795, Sept. 22.
Casas-Robert, Ramon, and J. Court, Geneva, assignors to Mefina S. A., Binningen, Switzerland. Sewing machine. 2,653,557, Sept. 29.
Casati, Lucienne A. M., Vincennes, J. L. Gonnard, Villeurbanne, and J. E. G. Lahousse, Lyon, France, assignors to Societe des Usines Chimiques Rhone-Poulenc. Methods of and means for the protection of materials and equipment sensitive to the action of water, moisture and mold growth. 2,648,651, Aug. 11.
Casciano, Anthony, Scranton, Pa. Mine car topping gate. 2,651,268, Sept. 8.
Casco Products Corporation, assignee: *See*—
Cone, Joseph H.
Johnson, Arthur A.
Thibault, Joseph O.
Westlake, Allen T., Jr.
Youhouse, Joseph.
Case, Bernard C., Howell, assignor to Hanson-Van Winkle-Munning Company, Detroit, Mich. Nickel plating. 2,654,705, Oct. 6.
Case, Burgess C., Plainfield, N. J. Vending machine cabinet. 2,639,961, May 26.
Case, Burgess C.: *See*—
Lindstrom, John, and Case.
Case, Everett N., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Removing asphaltenes from crude oil. 2,650,898, Sept. 1.
Case, J C., Lynn, N. C. Head and batten stop motion attachment for looms. 2,638,940, May 19.
Case, J C, Lynn, N. C. Mechanically actuated stop motion for looms. 2,652,861, Sept. 22.
Case, J. I., Company, assignee: *See*—
Geraldson, Gerald, and Markel.
Hansen, Charles W.
Hartstock, Robert E., and Henss.
Hedquist, Milton T., Harroun, Mayhew, Van De Sampel, and Whalen.
Heth, Sherman C.
Kranick, Frank N. G.
Krause, Norman R.
Krause, Norman R., and Heth.
Krause, Norman R., and Richardson.
Raught, Arthur V.
Redetzke, Emery C.
Richardson, Martin A.
Russell, Stanley D.
Rutter, Alvah E.
Schill, Bernard J.
Schroeppel, Paul R.
Wells, Frank W., and Kulbavy.
Case, Rogers, Orange, N. J. Line transposition bracket with reinforcing gussets. 2,655,553, Oct. 13.
Casella, Horacio R., Buenos Aires, Argentina. Receptacle and support therefor. 2,658,642, Nov. 10.
Casella, Secondo L.: *See*—
Morey, Sigmund, and Casella.
Casella, Secondo L., Brooklyn, and S. Morey, Elmsford, assignors to Morey Food Machinery Co., Inc., Astoria, N. Y. Juice extracting device. 2,630,752, Mar. 10.
Caserta, Victor, Bridgeport, Conn. Pin curl clip. 2,659,378, Nov. 17.
Caserta, Victor, Bridgeport, Conn. Pin curl clip. 2,659,379, Nov. 17.
Casey, Arthur B., Montoursville, Pa. Catapult with improved fork and sling. 2,661,731, Dec. 8.
Casey, Francis B., Concord, R. R. Woodcock, Weymouth, and M. E. Wood, Wakefield, assignors to Dewey and Almy Chemical Company, Cambridge, Mass. Packaging machine. 2,651,350, Sept. 8.
Casey, Francis B., Concord, R. R. Woodcock, Weymouth, and M. E. Wood, Wakefield, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Bag sealing machine. 2,651,444, Sept. 8.
Casey, J. B., and G. A. Smitherman, assignors to Woodward Iron Company, Woodward, Ala. Blast furnace monkey. 2,657,922, Nov. 3.
Casey, John C., San Francisco, Calif. Tin can construction. 2,631,753, Mar. 17.
Casey, John C., San Francisco, Calif. Palate support for smokers' pipes. 2,644,465, July 7.
Casey, Robert F., Pompton Plains, assignor to Allen B Du Mont Laboratories, Inc., Clifton, N. J. Delay circuit. 2,635,185, Apr. 14.
Casey, Robert J., Detroit, Mich. Meter flow nursing nipple. 2,630,118, Mar. 3.
Casey, Robert T., Bristol, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,658,973, Nov. 10.
Casey, Robert T., Bristol, Conn., assignor to General Electric Company. Electric circuit breaker. 2,659,783, Nov. 17.
Casey, Robert T., Bristol, Conn., assignor, by mesne assignments, to General Electric Company. Circuit breaker switch unit. 2,659,788, Nov. 17.
Casey, Robert T., Bristol, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,661,414, Dec. 1.
Casey, William J., III: *See*—
Tack, Carl E., and Casey.
Cash, George, Sandpoint, Idaho. Insect catcher for automobiles. 2,655,404, Oct. 13.
Cash, Wilfrid E., Cheam, and W. H. Gell, Hull, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Continuous esterification process. 2,644,009, June 30.
Casha, Salvatore, Brooklyn, N. Y. Applique ornament for fabrics. 2,629,195, Feb. 24.
Cashin, Francis J.: *See*—
De Florez, Peter, and Cashin.
Cashman, Aloysius F.: *See*—
Lieber, Eugene, and Cashman.
Cashman, William D.: *See*—
Griffiths, Emil S., and Cashman.
Casings, Inc., assignee: *See*—
Dordel, Walter R.
Caskey, Readey, Jr., Brownwood, Tex. Bandage. 2,661,739, Dec. 8.
Casnati, Lola A., New York, N. Y. Sanitary holder for articles. 2,647,785, Aug. 4.
Cason, Robert W.: *See*—
Box, Merrell L., and Cason.
Casper, Louis, Richmond Hill, assignor to Electrotex Corp., New York, N. Y. Embroidery machine and coded-tape control means. 2,649,065, Aug. 18.
Caspers Tin Plate Company, assignee: *See*—
Wall, Lloyd W.
Cassaday, Jack T.: *See*—
Lindgren, Vincent V., and Cassaday.
Cassady, William C., Vancouver, Wash. Combination door and jamb gauge. 2,653,388, Sept. 29.
Cassell, Sidney L., New York, N. Y. Lady's handbag. 2,627,885, Feb. 10.
Cassella Farbwerke Mainkur Aktiengesellschaft, assignee: *See*—
Fleischhauer, Richard.
Schwamberger, Emil.
Zerweck, Werner, and Schubert.
Cassidy, Robert J., Mansfield, Ohio., assignor to General Motors Corporation, Detroit, Mich. Dual limit control circuit. 2,645,744, July 14.
Cassidy, Robert K., Vancouver, Wash. Cart for golf bags. 2,648,545, Aug. 11.
Cassiere, Frank A., and J. N. Damore, Chicago, Ill. Pry type vacuum cap remover. 2,624,220, Jan. 6.
Cassil, Carroll C.: *See*—
Harris, Leonard W., Sanders, and Cassil.
Cassman Manufacturing Co., assignee: *See*—
Coopman, Wilfred M.
Casson, Kenneth H., Winnebago, assignor to Barnes Drill Co., Rockford, Ill. Apparatus for handling magnetic material. 2,642,994, June 23.
Castedello, William: *See*—
Schwartz, Morris, and Castedello.
Castelfranco, James: *See*—
Sanz, Manuel C., and Castelfranco.
Castell, Agustin M., Barcelona, Spain, assignor to C. A. Constant Card. Carding method and apparatus. 2,627,631, Feb. 10.
Castellano, James, New York, N. Y. Flushing valve for toilet tanks. 2,626,400, Jan. 27.
Castelli, Charles, Union City, assignor, by mesne assignments, to Columbia Protektosite Co. Inc., Carlstadt, N. J. Receptacle having hinged cover. 2,642,987, June 23.
Castelli, Charles, Union City, assignor, by mesne assignments, to Columbia Protektosite Co. Inc., Carlstadt, N. J. Combination plastic and metal eyeglass frame construction. 2,659,269, Nov. 17.

Castiglia, Thomas, assignor to Wheel Aligning Necessities, Inc., New York, N. Y. Optical projection leveling device. 2,661,653, Dec. 8.

Castillo, Julio C.: *See*—
Baltzly, Richard, and Castillo.
Phillips, Arthur P., and Castillo.

Castillo, Julio C., White Plains, and A. P. Phillips, New York, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Curarizing composition. 2,653,898, Sept. 29.

Castle & Cooke, Limited, assignee: *See*—
Hoyt, Simes T.

Castle, John E.: *See*—
Adkins, Homer, Castle, and Royals.

Castle, Joseph T., Cleveland, Ohio. Instrument for boring aligned holes. 2,644,348, July 7.

Castle, Karl E., Washington, D. C., assignor to Invincible Metal Furniture Company, Manitowoc, Wis. Edge binder for furniture with covered metal tops. 2,644,733, July 7.

Castle, Vernon D., assignor to Titus Manufacturing Corporation, Waterloo, Iowa. Grille structure. 2,646,741, July 28.

Castner, Frank G., Bridgeport, Ohio. Coin novelty meter. 2,650,698, Sept. 1.

Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine having rotatable tube with upper and lower discharge means. Re. 23,626, Mar. 10.

Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine drive mechanism. 2,625,244, Jan. 13.

Castner, George P., Webster City, Iowa. Clothes-washing machine. 2,630,696, Mar. 10.

Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine with fluid drive. 2,648,213, Aug. 11.

Castner, Robert C., and R. C. Archibald, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Shale oil refining. 2,662,843, Dec. 15.

Caston, Henry E., Akron, Ohio. Quickly attachable or removable surface clamp. 2,661,783, Dec. 8.

Caston, Ralph H.: *See*—
Zabel, Lowell W., Schmidt, and Caston.

Castricone, John A., assignor to Altorfer Bros. Company, Peoria, Ill. Orbital movement dasher. 2,636,374, Apr. 28.

Castricone, John A., assignor to Altorfer Bros. Company, Peoria, Ill. Automatic ironing shoe release. 2,658,291, Nov. 10.

Castricum, Martin, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Making pneumatic tires. 2,625,980, Jan. 20.

Castricum, Martin, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Apparatus for testing flexible members. 2,657,573, Nov. 3.

Castroviejo, Ramon, New York, N. Y. Needle holder, 2,652,832, Sept. 22.

Caswell, Arthur S.: *See*—
Wood, Joseph D., and Caswell.

Caswell, Arthur S., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. HV type key interlock. 2,658,170, Nov. 3.

Caswell, Arthur S., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. High-voltage circuit breaker. 2,664,485, Dec. 29.

Catalano, Frank P.: *See*—
Catalano, Peter P., J. P., and F. P.

Catalano, Joseph P.: *See*—
Catalano, Peter P., J. P., and F. P.

Catalano, Peter P., J. P., and F. P., assignors to Panepinto Mfg. Corp., North Collins, N. Y. Smoking pipe. 2,641,262, June 9.

Cataldo, John B.: *See*—
O'Brien, Joseph F., Cataldo, and Vroom.

Cataldo, John B., Annandale, N. J., assignor, by mesne assignments, to John B. Pierce Foundation, New York, N. Y. Axial gap electric motor-driven pump. 2,635,547, Apr. 21.

Cataldo, John B., Bernardsville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Two-wire sequence relay. 2,627,562, Feb. 3.

Cataldo, John B., Bernardsville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Thermostatic switch. 2,636,098, Apr. 21.

Cataldo, John B., Bernardsville, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electrical fixture. 2,659,873, Nov. 17.

Cataldo, John B., Bernardsville, and A. N. Cook, Stirling, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Thermostat device. 2,640,896, June 2.

Cataldo, John B., Bernardsville, and E. D. Tidd, Clinton, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Manufacturing snap disk springs. 2,656,592, Oct. 27.

Catalina, Inc., assignee: *See*—
Nogler, Raymond S., and Menzies.

Catanese, Paul, Norristown, Pa. Thorn-removing device and stem cutter. 2,646,621, July 28.

Catching, Walter L., Jr., Birmingham, Ala. Adjustable layout and construction jig for awning ends and the like. 2,655,188, Oct. 13.

Cate, Lorece, administratrix, de bonis non: *See*—
Ford, Wise L.

Caterpillar Tractor Co., assignee: *See*—
Barnes, Randolph C.
Bridwell, John W., Coker, and Williamson.
Deffenbaugh, John L.
Doyle, William L. H., and Riegel.
Gardner, John R.
Matheny, Clella A., and Myers.
Maxwell, Carl R., and Fleck.
Robinson, Ronald R.
Robinson, Ronald R., and Fleck.
Risk, Norman E., and Ramsel.
Wagner, Harold H.
Wagner, Harold H., and Williams.
Zuhn, Arthur A.

Cates, Herbert B., Fouke, Ark. Flushing unit. 2,651,318, Sept. 8.

Cates, Walter B.: *See*—
Carrick, Virgil P., and Cates.

Cathcart, Jack F., assignor of one-half to F. P. Moffett, Berkeley, Calif. Mouth protector. 2,643,652, June 30.

Catheron, Allan R.: *See*—
Bowditch, Hoel L., and Catheron.

Cathodeon Limited, assignee: *See*—
Theile, Richard
Townsend, Frederick H., and Hall.

Catlin, Arthur W., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Valve. 2,642,259, June 16.

Catlin, John P., Fairfield, Conn., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Igniter. 2,627,810, Feb. 10.

Catlin, Kenneth G., Basking Ridge, N. J. Method of and apparatus for ascertaining true size of photofluorographically recorded objects irrespective of enlargement or reduction. 2,650,308, Aug. 25.

Catlin, Robert T., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,652,776, Sept. 22.

Catlin, Robert T., Stratford, C. S. Cummings, II, Easton, G. R. Eckstein, Fairfield, and P. Hickman, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,663,239, Dec. 22.

Catlin, Willard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers and lubricants containing the same. 2,653,133, Sept. 22.

Caton, Joseph D.: *See*—
Maurer, Edwin R., and Caton.

Cattey, Ernest L., assignee: *See*—
Murphy, Stephen J.

Catulle, Gene C.: *See*—
Shingledecker, Guy M., and Catulle.

Caulfield, Joseph R., West Norwood, assignor to Champlain Company, Inc., Bloomfield, N. J. Enclosed fountain gravure press. 2,630,065, Mar. 3.

Caulkins, Cecil P., Niantic, Conn. Discharge silencer and recoil compensator. 2,625,235, Jan. 13.

Caulkins, Eugene, assignee: *See*—
Davidson, Abraham G.

Causey, Joseph F., Pittsburgh, Pa. Rail joint bar and rail joint prepared therewith. 2,629,556, Feb. 24.

Causey, George W., Pittsburgh, Pa. Antislip decking. 2,651,978, Sept. 15.

Caustin, William, San Jose, and C. J. Gustafson, Los Gatos, Calif.; said C. J. Gustafson assignor by decree of distribution to O. Rye. Luminiferous cane. 2,642,519, June 16.

Cavadini, Alfredo: *See*—
Steinberg, Adalberto, and Cavadini.

Cavagnaro, John L.: *See*—
Cavagnaro, Nicholas J., Jr., and J. L. Cavagnaro.

Cavagnaro, Nicholas J., Jr., Hicksville, and J. L. Cavagnaro, Brooklyn, N. Y. Hydraulic expressor. 2,641,122, June 9.

Cavalero, John V., Bloomfield, N. J. Recessed book cover. 2,643,899, June 30.

Cavalier Corporation, assignee: *See*—
Wessel, Melvin H.

Cavallaro, Albert B., Bristol, R. I., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Spinning machine. 2,651,165, Sept. 8.

Cavallier, Jean A., Nancy, assignor to Société Pompes Noel, Liverdun (Meurthe-et-Moselle), France. Coated pipe. 2,656,857, Oct. 27.

Cavanagh, John F., Cranston, R. I. Magazine safety razor. 2,661,530, Dec. 8.

Cavanagh, Robert T., Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Supression of spurious oscillations. 2,640,173, May 26.

Cavanagh, William J., assignor to The Peck, Stow & Wilcox Company, Southington, Conn. Handle construction for bit braces or the like. 2,629,412, Feb. 24.

Cavanaugh, John F., Washington, D. C. Magnet-controlled sit-up pup. 2,659,998, Nov. 24.

Cavanaugh, Robert M.: *See*—
Burrows, Lawton A., Cavanaugh, and Nagle.

Cavanaugh, Robert M., C. B. Flack, and R. H. Weir, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of isophthalic acid. 2,647,141, July 28.

Cave, Godfrey J., Shilton, near Coventry, and H. Hampson, and J. P. Stoneman, Coventry, assignors to Courtaulds Limited, London, England. Production of cellulose triesters. 2,635,098, Apr. 14.

Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush with element of the channel strip type. 2,653,340, Sept. 29.

Cave, John C., Jr., Upper Darby, Pa. Ironing board. 2,652,646, Sept. 22.

Cave, John R., Bayside, N. Y. Gas-liquid contact apparatus. 2,634,959, Apr. 14.

Cavicchioli, Mario, New York, N. Y. Dishwasher and article intercepting drawer therefor. 2,627,863, Feb. 10.

Cawthon, Frank W., Weirsdale, Fla. Armrest. 2,685,560, Nov. 10.

Caylor, George W., Buffalo, N. Y., assignor to General Mills, Inc. Self-cleaning deadbox. 2,634,842, Apr. 14.

Cedarholm, Oscar R., Quincy, Mich. Injection carburetor. 2,636,488, Apr. 28.

Cedarholm, Oscar R., Quincy, Mich. Fuel metering control for injection carburetors. 2,653,804, Sept. 29.

Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling stop motion for narrow ware looms. 2,646,827, July 28.

Cederquist, Emanuel L., Los Angeles, Calif. Nut and holder. 2,648,248, Aug. 11.

Cee-Bee Chemical Co., Inc., assignee: *See*—
Whitcomb, Keith R., and Finch.

Celanese Corporation of America, assignee: *See*—
Adams, John R., Jr., and Salvin.
Ayala, Héctor L.
Baggett, John L., and Duke.
Bate, Stanley C.
Bennes, William J., and Leyes.
Birmingham, John N.
Buckland, Richard G.
Cramer, William J., Jr., and Fritz.
Davies, Richard E., and McFarlane.
Johnson, Elmer L., and Delagrange.
Jones, John E., and Stott.
Jones, Wilford D.
Jones, Wilford D., and McFarlane.
Keight, Albert W.
King, Conant M., Jr., and Heinz.
MacKenzie, James S., and Axtell.
MacLean, Alexander F.
MacLean, Alexander F., and Stautzenberger.
Mitchell, Robert L., and Luke.
Morgan, Chester S., Jr., and Robertson.
Paffen, Fred W., and Engel.
Paist, Walter D., and Van Gorder.
Piperoux, Rene P.
Piperoux, Rene P., Hertz, and Moeller.
Pope, John H., and Carter.
Porzer, Ralph E., and Baruch.
Prossen, Louis F.
Roberts, Samuel B., and Gibbs.
Robertson, Nat C.
Robeson, Max O., Springer, and Christi.
Rosen, Leonard J., Kruth, and White.
Roughsedge, Robert H., and Lustig.
Roughsedge, Robert H., and Meder.
Salvin, Victor S.
Salvin, Victor S., and Landau.
Seymour, George W., and Salvin.
Skeist, Irving, and McFarlane.
Stearn, William T.
Storer, William C., and Rotruck.
Strickler, Allen, and Teeple.
Sutherland, Frederick F.
Swerdloff, Jack, and McFarlane.
Taylor, William I.
Ward, George C.
Ward, George C., and Haggerty.
White, Blanche B., and Blackman.

Celeste, Cataldo, Eatontown, N. J. Inclosed spring-loaded catch. 2,635,910, Apr. 21.

Celina Farm Tools, Inc., assignee: *See*—
Speicher, Carl F. and M. E.

Cella, G., Inc., assignee: *See*—
Rapisarda, Edward D.

Cella, Richard T., West Windsor, N. J. Traction device for vehicles. 2,653,642, Sept. 29.

Cella, William J., Huntington, N. Y. Container construction for boxes or crates. 2,634,021, Apr. 7.

Cella, William J., Huntington, N. Y. Crate, box, or similar container. 2,638,238, May 12.

Cella, William J., Huntington, N. Y. Crate or container. 2,638,239, May 12.

Cellerini, Albert R., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,654,012, Sept. 29.

Cellulose Fibers Incorporated, assignee: *See*—
Courtney, Edward J.

Cellusuede Products, Inc., assignee: *See*—
Sutton, John C.

Celotex Corporation, The, assignee: *See*—
Muench, Carl G.

Cement Gun Company, Inc., assignee: *See*—
Mair, Jesse K., and McNally.

Cementation Company Limited, The, assignee: *See*—
Godenir, Albert.

Cencer, Peter F., and F. Whiteman, Detroit, Mich., assignors to L. Gidion, special administratrix of the estate of F. M. Gidion, deceased. Sewing machine construction. 2,663,273, Dec. 22.

Cenker, Moses, Wyandotte, and W. K. Langdon, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Higher alkylphenyl nitrogen compounds. 2,658,925, Nov. 10.

Centanni, Anthony T., Philadelphia, Pa. Composition for treating plants. 2,624,663, Jan. 6.

Centolella, Albert P.: *See*—
Levin, Robert H., McIntosh, and Centolella.

Central Commercial Company, assignee: *See*—
Teetor, Paul, Grove, and Heller.

Central Commercial Industries, Inc., assignee: *See*—
Anderson, Walter J.
French, Melvin H.
Larsen, Merwin J., Anderson, Erickson, and Evett.

Central Hanover Bank and Trust Company, corporate executor: *See*—
McLaren, Peter J.

Central Machine Works, Inc., assignee: *See*—
Milne, Arthur C.

Central Mine Equipment Company, assignee: *See*—
Huckshold, Elmer J.
Rassieur, Theodore E.

Central Railway Supply Company, assignee: *See*—
Johnson, Malcolm S., and Ray.

Central Tool Company, assignee: *See*—
Stedman, James A.

Central States Paper & Bag Company, assignee: *See*—
Abramson, Elmer D.

Centre National de la Recherche Scientifique, assignee *See*—
Barret, Pierre M. R.
Epelboin, Israël.
Felici, Noël.
Françon, Maurice M.
Morel, Roger.
Nizery, André R. M.

Centriline Corporation, assignee: *See*—
Cummins, James P.

Century Geophysical Corporation, assignee: *See*—
Stafford, John A.

Century Lighting, Inc., assignee: *See*—
McCandless, Stanley.

Century Machine Company, The, assignee: *See*—
Hein, August E., and Klausing.

Century Tank Manufacturing Company, assignee: *See*—
Burwell, Maurel G.

Cenzer, Carl W.: *See*—
Toncray, Millard H., Nyquist, and Cenzer.

Cepon, Rudolph J., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Selenium rectifier. 2,655,626, Oct. 13.

Cerasani, Americo J., Irondequoit, assignor to Rochester Lead Works, Inc., Rochester, N. Y. Wire-coiling machine. 2,631,788, Mar. 17.

Ceraulo, Loreto, Jamaica, N. Y. Protective garment for bathing suits. 2,634,421, Apr. 14.

Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Door knob spindle securing means. 2,627,436, Feb. 3.

Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Mounting means for door latches. 2,646,301, July 21.

Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Doorknob and tubular spindle assembly. 2,660,466, Nov. 24.

Cerf, Robert C., Jr., North Hollywood, assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Latch retractor and housing. 2,664,306, Dec. 29.

Cerino, Michael J., assignor to Firm Blade Razor Company, Inc., Portland, Oreg. Packet. 2,663,412, Dec. 22.

Cerino, Michael J., Ventura, Calif., assignor to Firm Blade Razor Company, Inc., Portland, Oreg. Safety razor. 2,662,281, Dec. 15.

Cerino, Michael J., and E. F. Kingsley, assignors to Firm Blade Razor Company, Inc., Portland, Oreg. Razor blade. 2,657,460, Nov. 3.

Cerioni, Giuseppe R., assignor to EL-CU-S. P. AZ. Elettrocucitrice Industriale Portatile, Milan, Italy. Hand bag sewing machine. 2,637,288, May 5.

Cerna, Carlos G., and A. L. Aguirre Diaz, Guatemala City, Guatemala. Coin-operated ticket dispenser. 2,634,844, Apr. 14.

Cerna, Carlos G., and J. A. Arevalo, Guatemala City, Guatemala. Key operated switch. 2,662,131, Dec. 8.

Cernea, Roland E., Philadelphia, Pa. Joint for use in drop hammers. 2,634,142, Apr. 7.

Cerny, Joseph A., University Heights, and N. B. Green, assignors, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Burner control means. 2,630,860, Mar. 10.

Cerny, Walter J.: *See*—
Northrop, John K., and Cerny.

Cerracchio, Enrico, Brooklyn, N. Y., assignor of one-half to V. J. Scordley, J. Scordamaglia, also known as J. Scordley and D. Ascher, New York, N. Y. Illuminated illusion device. 2,663,960, Dec. 29.

Cerrella, Vicente, Buenos Aires, Argentina. Parachute. 2,640,666, June 2.

Certain-Teed Products Corporation, assignee: *See*—
Hoggatt, Gilbert A.
Miller, John E.

Certified Burglar Alarm Systems, Incorporated, assignee: *See*—
Poulson, Frank E.
Certified Gas Equipment Corporation, assignee: *See*—
Robinson, William.
Certik, Charles P.: *See*—
Leadbetter, Ralph L., Chipley, and Certik.
Cerveny, William J.: *See*—
Burney, Donald E., and Cerveny.
Cerveny, William J., Lansing, assignor to Standard Oil Company, Chicago, Ill. Production of high alcohols by improved oxo process. 2,638,488, May 12.
Cervino, Michael, and F. Sollinger, Paterson, N. J., assignors to Curtiss-Wright Corporation. Tank construction. 2,662,538, Dec. 15.
Cesar, Jorge M., Monterrey, Mexico. Optical viewing device for night driving. 2,654,286, Oct. 6.
Cesareo, Orfeo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic code translating system. 2,625,328, Jan. 13.
Cesaro, Richard S., and R. J. Koenig, Cuyahoga County, Ohio. Temperature sensing device. 2,638,784, May 19.
Ceskoslovensko pivovary, lihovary a Konservarny, narodni podnik, assignee: *See*—
Salač, Václav.
Ceskoslovenske Textilni Zavody, narodni podnik, assignee: *See*—
Svaty, Vladimir.
Cessna Aircraft Company, assignee: *See*—
Grabendike, William F.
Seibel, Charles M.
Chabrier, Pierre: *See*—
Moussalli, Alexis J. M., Soubiran, and Chabrier.
Chabrier, Pierre, Paris, P. R. L. Giudicelli, Fontenay-sous-Bois, and C. H. Génot, assignors to Les Laboratoires Dausse (Societe Anonyme), Paris, France. Rutin derivatives and production thereof. 2,646,428, July 21.
Chace, Paul G.: *See*—
Ottmar, Jerome, Matteson, Savolainen, and Chace.
Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Liquid control mechanism. 2,635,624, Apr. 21.
Chadeloid Corporation, assignee: *See*—
Deniston, George L.
Deniston, George L., and Berglund.
Mayers, John W.
Chadsey, Earl E., Jr., Newton, assignor to National Research Corporation, Middlesex County, Mass. Coating by evaporating metal under vacuum. 2,635,579, Apr. 21.
Chadsey, Earl E., Jr., Newton, P. J. Clough, Reading, and P. Godley, 2nd, Lexington, assignors to National Research Corporation, Cambridge, Mass. Coating method and apparatus therefor. 2,643,201, June 23.
Chadwick, Earl L., Houston, Tex. Lawn trimmer. 2,660,854, Dec. 1.
Chadwick, Richard, King's, Norton, Birmingham, and J. F. Hobbs, Birmingham, England, assignors to Imperial Chemical Industries Limited. Continuous or semicontinuous casting of metals. 2,651,821, Sept. 15.
Chadwick, Wellington S., Bucyrus, Ohio. Insulated electrical tool. 2,646,304, July 21.
Chaffee, Robert E.: *See*—
Gottschalk, Winston M., and Chaffee.
Chaffin, Rafe C., and E. O. Pratt, Los Angeles, Calif. Foldable fence attachment for hospital beds and the like. 2,648,075, Aug. 11.
Chaffin, Ralph S.: *See*—
Lucas, Guy L., Edwards, and Chaffin.
Chafins, Ishmael, assignor of fifty per cent to L. Howard, Wooton, Ky. Rotary auger and saw bit. 2,629,113, Feb. 24.
Chalmson, Frederick L., Washington, D. C. Periscope structure. 2,635,506, Apr. 21.
Chain Belt Company, assignee: *See*—
Cheesman, William D.
Klaucke, Hermann.
Lendved, John W., and Eickstaedt.
Lindow, Rudolph F.
Olson, Albert M., and Baker.
Chalfant, Raymond E., Pine Bluff, Ark. Mop having a compact head. 2,632,905, Mar. 31.
Chalfin, Benjamin: *See*—
Chalfin, Philip and B.
Chalfin, Norman L.: *See*—
Souget, Matthys L. M., and Chalfin.
Chalfin, Philip, Eatontown, N. J., and B. Chalfin, Philadelphia, Pa. Coin-controlled card displaying and vending machine. 2,655,242, Oct. 13.
Chalik, John, La Porte, Ind., and P. G. Torosian, Chicago, Ill. Weatherstrip construction. 2,655,698, Oct. 20.
Chall, Harold J., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Constant factor mechanism. 2,660,377, Nov. 24.
Challen, Henry D., assignor to Taylor & Challen Limited, Birmingham, England. Clutch for power presses. 2,663,394, Dec. 22.
Challenge Machinery Company, The, assignee: *See*—
Barney, Freeman.
Challenger Screw & Tool Corporation, assignee: *See*—
West, Maxwell A.
Challis, Alexander J.: *See*—
Holford, Hastings J., and Challis.
Challis, Anthony A. L.: *See*—
Reynolds, Peter W., and Challis.
Chalmers, Archibald, assignor to Hyde Manufacturing Company, Southbridge, Mass. Wallpaper trimming machine. 2,624,407, Jan. 6.
Chamberlain, Chester A., Brooklyn, N. Y. Dehumidifying apparatus. 2,633,928, Apr. 7.
Chamberlain Corporation, assignee: *See*—
Etten, Nicholas L.
Chamberlain, George H., San Jose, Calif. Device for trimming sheet material. 2,626,665, Jan. 27.
Chamberlain, Harry E.: *See*—
Hosmer, Horace W., and Chamberlain.
Swerdlow, Nathan, and Chamberlain.
Chamberlain, John, Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Combined flameholder and turning vane. 2,660,859, Dec. 1.
Chamberlain, Kenneth A. J., Blackley, Manchester England, assignor to Imperial Chemical Industries Limited. Vat dyestuff. 2,630,034, Apr. 21.
Chamberlain, Lawrence E., Mansfield, Ohio. Slide binder clamping apparatus. 2,625,197, Jan. 13.
Chamberlain, Richard K., assignor to Wingfoot Corporation, Akron, Ohio. Disk brake. 2,657,772, Nov. 3.
Chamberlain, Richard K., assignor to Wingfoot Corporation, Akron, Ohio. Self-energizing single-disk brake. 2,663,384, Dec. 22.
Chamberlain, William A., Whatstandwell, near Matlock, and E. H. G. Aram, Nuthall, England. Torque converter. 2,645,130, July 14.
Chamberlin, Coleman R., Thompson Ridge, N. Y. Filing unit. 2,646,801, July 28.
Chamberlin Company of America, assignee: *See*—
Smith, Frank R., and Willett.
Willett, Leon E., and Smith.
Chamberlin, Ernest B.: *See*—
Lash, Gerland A., and Chamberlin.
Chamberlin, James A., Toronto, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Means for controlling aircraft in flight. 2,661,170, Dec. 1.
Chamberlin, John W., Mequon, Wis., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Reciprocating washer and centrifugal drier provided with shock absorbing hydraulic suspension assembly. 2,629,245, Feb. 24.
Chamberlin, Joseph F., Chicago, Ill. Foldable golf cart. 2,626,814, Jan. 27.
Chamberlin, Joseph F., Chicago, Ill. Collapsible golf cart. 2,626,815, Jan. 27.
Chambers, Albert M., Jr., and L. F. Jones, assignors to The Garlock Packing Company, Palmyra, N. Y. Sealing device. 2,650,117, Aug. 25.
Chambers, Alexander M., Richmond, Calif. Charge forming device. 2,625,142, Jan. 13.
Chambers Corporation, assignee: *See*—
Chambers, John E.
Chambers, John E., and Phares.
Phares, Thomas E.
Williams, Willis E.
Chambers, Don C., Bloomington, and W. D. Chambers, Indianapolis, Ind. Vehicle short turn steering apparatus. 2,646,291, July 21.
Chambers, James H., Fresno, Calif. Nursery bottle holder. 2,646,952, July 28.
Chambers, John E., Shelbyville, Ind., assignor to Chambers Corporation. Top pilot cover plate. 2,632,438, Mar. 24.
Chambers, John E., and T. E. Phares, Shelbyville, Ind., assignors to Chambers Corporation. Top pilot cover plate. 2,632,437, Mar. 24.
Chambers, John E., and T. E. Phares, Shelbyville, Ind., assignors to Chambers Corporation. Heating unit. 2,641,245, June 9.
Chambers, John M., Winchester, assignor by mesne assignments, to Stone & Webster Engineering Corporation, Boston, Mass. Alcohol distillation process. 2,647,078, July 28.
Chambers, Laura A., San Francisco, Calif. Urinal construction. 2,648,335, Aug. 11.
Chambers, Robert B.: *See*—
Reid, George C., and Chambers.
Chambers, Torrence H., Washington, D. C. Keying system. 2,655,595, Oct. 13.
Chambers, Victor S.: *See*—
Howland, Louis H., and Chambers.
Chambers, Wilburn D.: *See*—
Chambers, Don C., and W. D.
Chambers, Worthy L.: *See*—
Eck, Floyd R., and Chambers.
Chambersburg Engineering Company, assignee: *See*—
Alcorn, Robert L., Jr.
Chambon, Jean L., assignor to Société à Responsabilité Limitée dite: Société d'Etudes de Machines Speciales, Paris, France. Device for intermittently stopping the motion of a strip of material. 2,650,823, Sept. 1.
Chambon, Jean L., assignor to Societe d'Etudes de Machines Speciales, Paris, France. Rotary machine for compacting loose material to solid prismatic lumps. 2,656,797, Oct. 27.

Chambon, Louis J., assignor to Societe d'Etudes de Machines Speciales Societe a Responsabilite Limitee, Paris, France. Method and machine for interleaving and stacking sheets of paper and similar materials. 2,661,946, Dec. 8.
Chambon, Louis J., assignor to Society Machines Chambon, Paris, France. Variable speed drive means for printing of short texts in rotary printing machines. 2,663,256, Dec. 22.
Chaminade, Robert, Plessis-Robinson, assignor to Commissariat à l'Energie Atomique, Paris, France. Ionizing radiation movable detecting device. 2,645,722, July 14.
Champagne, Emory C., Woodbridge, assignor to The Berger Brothers Company, New Haven, Conn. Inflatable pad. 2,644,449, July 7.
Champion, Charles Mervin: *See*—
Sampson, James W., and Champion.
Champion De Arment Tool Company, assignee: *See*—
Manning, Howard H.
Champion Implements Corporation, assignee: *See*—
Duncan, Forrest M.
Champion, Mary A., executrix: *See*—
Champion, William B.
Champion Paper and Fibre Company, The, assignee: *See*—
Montgomery, William J.
Randall, Herbert T.
Stoddard, William B., Jr.
Warner, Edgar.
Champion Spark Plug Company, assignee: *See*—
Schurecht, Harry G.
Champion, William R., deceased, late of Croxley Green, England, by M. A. Champion, Croxley Green, and J. K. Carpenter, Watford, England, executors. Tool for making a circumferential bead or swage of predetermined size in metal pipes. 2,657,733, Nov. 3.
Champlain Company, Inc., assignee: *See*—
Caulfield, Joseph R.
Champlin, Charles L., R. C. Ellsworth, and R. J. Hickin, assignors to The Ohio Boxboard Company, Rittman, Ohio. Carrier carton. 2,664,235, Dec. 29.
Champlin, Everett E., assignor to The Merrow Machine Company, Hartford, Conn. Presser-foot lubricating means. 2,630,089, Mar. 3.
Champlin, Philip T., Little Valley, N. Y. Cheese and butter knife. 2,641,832, June 16.
Champoux, Bruno, Ville St.-Laurent, Quebec, Canada. Combination bicycle support and brake. 2,633,934, Apr. 7.
Chance, A. B., Company, assignee: *See*—
Baskerville, Ralph J.
Harper, James K.
Hollander, William L.
Hubbard, David C.
Chance, Britton, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Course indicating system. 2,624,877, Jan. 6.
Chance, Britton, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Multiple trace oscilloscope. 2,625,667, Jan. 13.
Chance, Britton, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Arrangement for providing corrections in ground-position-indicating systems. 2,652,979, Sept. 22.
Chance, Britton, Cambridge, and R. C. Kelner, Boston, Mass., assignors, by mesne assignments, to the United State of America as represented by the Secretary of War. Electrical circuit for the solution of right triangles. 2,624,509, Jan. 6.
Chance, Franklin S.: *See*—
Brooks, Richard E., Chance, Crim, and Strain.
Chance, Franklin S., Jr.: *See*—
Barry, Arthur W., and Chance.
Chance, William B., St. Clairsville, Ohio. Apparatus for printing continuous designs on roll paper, and the like. 2,661,687, Dec. 8.
Chancellor, William R., assignor of one-half to E. S. Russell, Chicago, Ill. Antiskid device for vehicles. 2,631,636, Mar. 17.
Chanda, Clarence W., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,641,336, June 9.
Chandler, Cecil D., Odessa, Tex. Grinding wheel dresser. 2,638,886, May 19.
Chandler, Charles H., Princeton, N. J., assignor to Radio Corporation of America. Resonator. 2,625,605, Jan. 13.
Chandler, Edward A.: *See*—
Molins, Desmond W., Best, and Chandler.
Chandler, Irvin B., Mankato, assignor to Minnesota Automotive, Inc., Minneapolis, Minn. Control mechanism for preventing motor vehicles from creeping with provision for maintaining a constant restraining force. 2,638,118, May 12.
Chandler, Milton E., New Britain, assignor to Niles-Bement-Pond Co., West Hartford, Conn. Movable mount for aircraft engines. 2,650,050, Aug. 25.
Chandler & Price Company, The, assignee: *See*—
Jirousek, Joseph F.
Rupp, William C.
Chandler, William R., and E. Koerner, assignors to The General Tire and Rubber Company, Akron, Ohio. Switch mount. 2,633,520, Mar. 31.
Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor to The Chemstrand Corporation, Decatur, Ala. Terpolymers of acrylonitrile and allyl amines. 2,662,875, Dec. 15.
Chaney, David W., Nether Providence Township, Delaware County, Pa., assignor, by mesne assignments, to The Chemstrand Corporation, Decatur, Ala. Copolymers of acrylonitrile and allyl amines. 2,662,877, Dec. 15.
Chaney, David W., Nether Providence, Pa., and H. G. Sonmar, assignors to American Viscose Corporation, Wilmington, Del. Acrylonitrile-vinyl amine interpolymers and making. 2,641,524, June 9.
Chaney, Preston E., and W. E. Barnes, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Device for sampling formation fluid. 2,632,512, Mar. 24.
Chang, Hson M.: *See*—
Bridger, Grover L., and Chang.
Chang, Sheldon S. L.: *See*—
Lloyd, Tom C., and Chang.
Channer, Earle A., Jr., Larchmont, N. Y. Cabinet desk and support therefor. 2,645,547, July 14.
Chapados, Eugene, Paspebiac, Quebec, Canada. Wrist bandager. 2,646,034, July 21.
Chapeta, Juan, and F. Vigna, Cordoba, Argentina. Push-button latch. 2,636,763, Apr. 28.
Chapin, Allen A., Driscoll, N. Dak. Projector and target game. 2,657,057, Oct. 27.
Chapin, Almon J., Oberlin, assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Landing gear for trailer vehicles. 2,627,424, Feb. 3.
Chapin, Bryan W., Cortland, N. Y. Washing machine. 2,656,702, Oct. 27.
Chapin, Bryan W., Tully, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Combined washer and extractor with resilient drive connection. 2,656,699, Oct. 27.
Chapin, Chester M., St. Louis, Mo. Automatic tool releasing clutch. 2,635,260, Apr. 21.
Chapin, Gerald K., Catonsville, Md. Shower bath for invalids. 2,641,770, June 16.
Chapin, Irving F., assignor to Bendix Aviation Corporation, South Bend, Ind. Airplane wheel. 2,648,571, Aug. 11.
Chapin, William R., Indianapolis, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Hack saw blade. 2,637,355, May 5.
Chaplin, Allen L.: *See*—
Greenwood, Ivan A., Jr., Ziebolz, and Chaplin.
Chaplin Corporation, assignee: *See*—
Chaplin, Merle P.
Chaplin, Gilbert, assignor to The Power-Gas Corporation Limited, Stockton-on-Tees, England. Operating device for the charging valves of gas producers. 2,628,728, Feb. 17.
Chaplin, Merle P., Portland, Maine. Apparatus for operating molded fiber drying dies. 2,624,956, Jan. 13.
Chaplin, Merle P., Portland, assignor to Chaplin Corporation, South Portland, Maine. Machine for pressing pulp articles. 2,627,211, Feb. 3.
Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Molded fibre article. 2,629,533, Feb. 24.
Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Fiber disintegrator and separator. 2,648,261, Aug. 11.
Chaplin, William D., Dereham, assignor to Cranes (Dereham) Limited, Dereham, Norfolk, England. Bogie beam construction. 2,641,481, June 9.
Chapman, Charles H., La Grange, and C. S. Aspenwall, Chicago, Ill., assignors, by mesne assignments, to Petinco Systems, Inc., Fort Wayne, Ind. Check operated, predetermined stop mechanism. 2,634,845, Apr. 14.
Chapman, Dave, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen cleaning device. 2,628,431, Feb. 17.
Chapman Dehydrator Co., Inc., assignee: *See*—
Trigwell, William G.
Chapman, Edward C., Lookout Mountain, Tenn., assignor to Combustion Engineering, Inc., New York, N. Y. Steam generating tubular water wall. 2,660,155, Nov. 24.
Chapman, Edward C., and R. E. Lorentz, Jr., Chattanooga, Tenn., assignors to Combustion Engineering, Inc. Butt welding tube ends by induction heating. 2,649,527, Aug. 18.
Chapman, Edward L., assignee; *See*—
Statia, Edwin V., Sr.
Chapman, Edward S., Dagenham Dock, assignor to The Chloride Electrical Storage Company Limited, Clifton Junction, England. Electrical storage battery. 2,658,937, Nov. 10.
Chapman Forest Utilization, Inc., assignee: *See*—
Chapman, Ralph.
Tower, Gordon E.
Chapman, Francis E.: *See*—
Wilder, Edward A., and Chapman.
Chapman, Frederick W., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Frequency modulated torsional vibration analyzer. 2,655,036, Oct. 13.

Chapman, Henry C., assignor to Stolper Steel Products Corporation, Milwaukee, Wis. Outboard motor test tank. 2,662,399, Dec. 15.

Chapman, James, Sr., and R. N. Reynolds, Sr., Atlanta, Ga. Shuttle lock for looms. 2,661,775, Dec. 8.

Chapman, James E., Los Angeles, and L. D. Bevan, Van Nuys, assignors to The Garrett Corporation, Los Angeles, Calif. Non jamming stop for linear actuators. 2,658,407, Nov. 10.

Chapman, John H.: *See*—
Evans, Ronald M., and Chapman.

Chapman, Kenneth L.: *See*—
Balde, John W., Bregar, and Chapman.

Chapman, Laura I., Patten, Maine. Dish mop. 2,658,220, Nov. 10.

Chapman, Ralph, assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg. Fiberboard forming press with loader and unloader. 2,642,782, June 23.

Chapman, Ralph, assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg. Apparatus for forming fiber mats, including deckle boxes with white water return. 2,660,935, Dec. 1.

Chapman, Raymond J., Wawaka, assignor of one-sixth to R. J. Jorg, one-sixth to G. C. Jorg, and one-sixth to R. J. Jorg, Jr., Ligonier, Ind. Flushing device. 2,644,950, July 14.

Chapman, Richard M.: *See*—
Dahlberg, Arnold R., Larson, and Chapman.

Chapman, Robert R.: *See*—
Anderson, John W., and Chapman.

Chapman, Robert R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic amplifier with double frequency discriminator. 2,651,014, Sept. 1.

Chapman, Robert S., and B. B. Seibenhaar, Phoenix, Ariz., said Chapman assignor to E. R. Perkins, Olney, Tex., and H. Miner, Buffalo, N. Y. Fiber liberation by steam expansion. 2,633,421, Mar. 31.

Chapman, Roger, and R. H. Trier, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Loud-speaker baffle with elongated aperture for the egress of sound. 2,646,851, July 28.

Chapman, Thomas J. C., Chicago, H. G. Holtz, Oak Lawn, and B. S. Jenison, assignors to Swift & Company, Chicago, Ill. Frankfurter wrapping machine. 2,624,991, Jan. 13.

Chapman Valve Manufacturing Company, The, assignee: *See*—
Nickerson, Elmer K.

Chapman, William J., San Antonio, and W. E. Reitz, La Feria, Tex. Tube holder and dispenser with pivotally mounted tube-squeezing member. 2,643,029, June 23.

Chappel, Eugene, Whitesboro, N. Y., assignor to Utica Drop Forge & Tool Corporation. Adjustment retarder for slidable side jaw wrenches. 2,648,243, Aug. 11.

Chappel, Mary B., Tucson, Ariz. Clip for bicycle handle bars. 2,625,727, Jan. 20.

Chappell, Donald E., Detroit, Mich. Linear scale with micrometer attachment. 2,658,281, Nov. 10.

Chappell, Henry A., Dana Point, Calif. Protective garment. 2,649,584, Aug. 25.

Chappell, Richard, Fort Benton, Mont. Portable electric band saw guideway. 2,634,767, Apr. 14.

Chappell, Walter L.: *See*—
Crookston, Robert R., and Chappell.

Chappelle, Homer T., Mineola, Tex. Plural expansion refrigeration system. 2,636,358, Apr. 28.

Chappelle, Homer T., Mineola, Tex. Expansible chamber device. 2,640,432, June 2.

Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Mounting device for wall openings in electric heating devices. 2,644,071, June 30.

Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Making electric heaters. 2,652,622, Sept. 22.

Charbonneau, Allan P., and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric tubular heater terminal seal. Re. 23,679, July 7.

Charet, Murray J.: *See*—
Cooper, Benjamin, and Charet.

Charette, Joseph A.: *See*—
Pappas, Theodore, and Charette.

Charles, Alfred J., Denver, Colo. Wheel actuated display toy. 2,641,083, June 9.

Charles, Frank R., and J. A. Dixon, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Manufacture of cellulose. 2,664,360, Dec. 29.

Charles, George K., Wincanton, England. Apparatus for delivering and applying adhesive tape or the like. 2,630,933, Mar. 10.

Charles, Jacob E., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of lap-resistant synthetic rubber. 2,629,707, Feb. 24.

Charles, T. Burr, and R. R. Skelton, Durham, N. H. Automatic egg collecting system. 2,641,352, June 9.

Charleston, Donald, Chicago, Ill. Fluorescently illuminated lamp shade structure with angularly adjustable panels. 2,627,131, Feb. 3.

Charleston, Donald, Chicago, Ill. Display advertising and illuminating device. 2,660,054, Aug. 25.

Charlesworth, Reginald D., Dee Why, assignor to Magnavox (Australia) Pty. Ltd., East Sydney, New South Wales, Australia. Diaphragm unit for loud-speakers. 2,638,509, May 12.

Charlet, Elphege M.: *See*—
Lanneau, Keith P., and Charlet.
Starr, Charles E., Jr., and Charlet.

Charley, Walter G., La Cresent, Minn., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tool mounting. 2,655,088, Oct. 13.

Charlin, André M. B., Montrouge, France, assignor to Products and Licensing Corporation, New York, N. Y. Magnetic sound-recording apparatus. 2,637,785, May 5.

Charlson, Lynn, Minneapolis, Minn., assignor to Aeroquip Corporation, Jackson, Mich. Fluid coupling. 2,625,168, Jan. 13.

Charlton, Edward J., Coatesville, and L. W. Edwards, Lancaster, assignors to Lukens Steel Company, Coatesville, Pa. Welded railway car truck frame. 2,637,279, May 5.

Charlton, Francis R., and D. A. Dowden, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Aldal condensation. 2,664,446, Dec. 29.

Charlton, John, New York, N. Y., assignor to The Sperry Corporation. Glide path selector for blind landing systems. 2,663,017, Dec. 15.

Charlton, Thomas, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal protection for single-phase motors. 2,629,848, Feb. 24.

Charpentier, Jean F. G. M. L., St. Cloud, France. Automatic torque transformer. 2,653,489, Sept. 29.

Charpentier, Paul, Choisy-le-Roi, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Phenthiazine derivatives. 2,645,640, July 14.

Charpiat, Edward B., Denver, Colo. Carbonated beverage dispenser. 2,660,343, Nov. 24.

Charnwood Engineering Company Limited, The, assignee: *See*—
Landucci, Frank A., and Rusted.

Charske, Charles J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method and apparatus for neutralizing polarization hysteresis in capacitors. 2,637,010, Apr. 28.

Chart Aluminum Products Corp., assignee: *See*—
Elsman, Harry M.

Chartrand, Victor E., and P. E. James, Dallas, Tex. Decalcomania. 2,641,562, June 9.

Charvát, Bohumil, Sezimovo Usti, assignor to Svit, narodni podnik, Gottwaldov, Czechoslovakia. Double cylinder circular knitting machine provided with a noiseless coupling. 2,640,338, June 2.

Chase, Arthur S., Weare, N. H. Fish lure. 2,645,875, July 21.

Chase Bag Company, The, assignee: *See*—
West, Edward E.

Chase Brass & Copper Co. Incorporated, assignee: *See*—
Finn, Edward J.
McGarry, James W.

Chase, Corson W., Oak Park, Ill., and K. R. Manning, Jackson, Mich., assignors to The Goss Printing Press Company, Chicago, Ill. Printing cylinder. 2,639,668, May 26.

Chase, Ernest E.: *See*—
Ashworth, Fred, and Chase.

Chase, Eugene F., San Francisco, Calif. Refrigerator ice mold. 2,629,987, Mar. 3.

Chase Foundry & Manufacturing Company, The, assignee: *See*—
Mahoney, Thomas R.

Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Full cycle locating means for calculating machines. 2,633,220, Mar. 31.

Chase, Herbert S., Flushing, N. Y. Magic slate. 2,663,095, Dec. 22.

Chase National Bank of the City of New York, The, executor: *See*—
Gilbert, Charles E.

Chase, Opal W., assignee: *See*—
Sherman, Charles G., and Owens.

Chase, Robert K., Rochester, N. Y. Cylinder top oiler. 2,640,475, June 2.

Chase, Rush F.: *See*—
Yarber, Gordon W., Howell, and Chase.

Chase-Shawmut Company, The, assignee: *See*—
Edsall, William S., and Hitchcock.
Edsall, William S., and Swain.
Kozacka, Frederick J.

Chase, Theron P., Huntington Woods, Mich. Hydraulic brake adjuster. 2,645,312, July 14.

Chatain, Henri G., Clearwater, Fla. Apparatus for clarifying liquids. 2,641,363, June 9.

Chatco Steel Products Limited, assignee: *See*—
Hill, Harold G.

Chater, John A., Medina, N. Y., assignor, by mesne assignments, to Food Machinery and Chemical Corporation, San Jose, Calif. Dusting machine. 2,637,933, May 12.

Chatfield, Franklin, assignor to Munsingwear, Inc., Minneapolis, Minn. Man's undergarment. 2,639,708, May 26.

Chatham Electronics Corporation, assignee: *See*—
Lehrer, Norman H.
Lupo, Frank J.
Bosch, Carl.
Watrous, Ward W., Jr.

Chattanooga Medicine Company, The, assignee: *See*—
Le Maistre, John W., and Grote.

Chatten, Clarence K., Jackson Heights, N. Y. Machine for preparing test samples of rubber and the like material. 2,644,277, July 7.

Chatten, Victor H., assignor to Sanitized Beaches, Inc., Torrance, Calif. Beach cleaning machine. 2,627,712, Feb. 10.

Chattin, Robert C., Boise, Idaho. Hydraulic adjustment for V-type ditching blades. 2,662,311, Dec. 15.

Chattler, Leo M., Washington, D. C. Pump and motor hydraulic system, including reversing and automatic by-pass valve units. 2,651,915, Sept. 15.

Chatterton, Robert T., Wappingers Falls, assignor to American Can Company, New York, N. Y. Magnetic stacking mechanism. 2,640,605, June 2.

Chaudoye, Noëlle, Paris, and A. Fourdeux, Puteaux, assignors to Compagnie des Freins & Signaux Westinghouse, Paris, France. Continuous preparation of crystals. 2,657,122, Oct. 27.

Chaussee, Fred, Rapid City, S. Dak. Fence wire stretcher. 2,646,970, July 28.

Chauveau, Louis, Paris, France, assignor to Societe Française Radio-Electrique. Apparatus for the transmission of alarm signals. 2,644,937, July 7.

Chaves, Joseph, Newport, R. I. Loading mechanism for tractors. 2,627,989, Feb. 10.

Chauvin, Wilbrod A., Albuquerque, N. Mex. Cable pulling machine. 2,655,653, Oct. 13.

Chauvin, Willie L., Houma, La. Vehicle for cutting marine growth. 2,635,406, Apr. 21.

Chayen, Israel H., London, assignor to British Glues and Chemicals Limited, Garden City, England. Recovery of fat from fat containing material. 2,635,104, Apr. 14.

Chayne, Charles A., Flint, assignor to General Motors Corporation, Detroit, Mich. Vehicle door locking means. 2,647,789, Aug. 4.

Cheatham Electric Switching Device Company, Incorporated, assignee: *See*—
Brown, Everett C., and Finan.
Stolp, Samuel S.

Cheatham, Thomas P., Jr.: *See*—
Lee, Yuk Wing, Wiesner, and Cheatham.

Chebot, Norman B.: *See*—
Grafani, Leon B., and Chebot.

Chechak, Jonas J.: *See*—
Minsk, Louis M., and Chechak.

Cheek, Alex J., Canfield, Ohio. Scraping device for rolling pins. 2,629,345, Feb. 24.

Cheek, Alex J., Struthers, Ohio. Electronic static discharge apparatus. 2,647,223, July 28.

Checker Cab Manufacturing Corporation, assignee: *See*—
May, Vivian G.

Checkmaster Systems Inc., assignee: *See*—
Krakenberg, Charles G.

Cheek, Hiram R., Bell, Calif. Apparatus for forming metal articles. 2,639,757, May 26.

Cheek, Robert C., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Oscillator circuit. 2,626,354, Jan. 20.

Cheek, Robert C., Irwin, Pa., and P. L. Newbury, East Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multistation duplex system. 2,626,319, Jan. 20.

Cheek, Sterling R.: *See*—
Brandt, Donald V., and Cheek.

Cheeseman, Evans W.: *See*—
Schlenk, Carl F., Cheeseman, and Patrick.

Cheesman, Helen B., Peoria, Ill. Sheet. 2,662,233, Dec. 15.

Cheesman, Roy E., La Fayette, Ind. Window. 2,624,082, Jan. 6.

Cheesman, Theodore A.: *See*—
Sathre, Curtis J., and Cheesman.

Cheesman, William D., Cudahy, assignor to Chain Belt Company, Milwaukee, Wis. Flat top conveyer chain. 2,660,292, Nov. 24.

Chefford Master Manufacturing Co. Inc., assignee: *See*—
Porter, Howard C.

Chelgren, Arvid E., Elmhurst, Ill., assignor to Zenith Radio Corporation. Uni-control mechanism for simultaneously adjusting a plurality of tuning elements. 2,632,109, Mar. 17.

Chelminski, Roman, Wilton, Conn., assignor to Knowles Associates, New York, N. Y. Disposal of slime-bearing water. 2,656,118, Oct. 20.

Chelsea, James L., Los Angeles, Calif. Portable sawhorse. 2,639,197, May 19.

Chemical Construction Corporation, assignee: *See*—
Allen, Louis N., Jr., and Forbath.
Allen, Louis N. Jr., McGauley, and Roberts.
McCarthy, Lawrence J.
McGauley, Patrick J.
McGauley, Patrick J., and Masur.
Roberts, Edward S.
Roberts, Edward S., McGauley, and Schaufelberger.

Chemical Container Corporation, assignee: *See*—
Smith, James.

Chemical Engineering, Wiltons Limited, assignee: *See*—
Wilton, Thomas O.

Chemical Foundation, Incorporated, The, assignee: *See*—
Gerjovich, Henry J., and Pijoan.
Hixson, Arthur W., and Miller.
Miller, Benjamin.

Chemieprodukte G. m. b. H., assignee: *See*—
Orno-Ornfeldt, Eduard.

Chemipulp Process, Inc., assignee: *See*—
Nevin, Leonard C.

Chemische Fabriek L. van der Grinten, assignee: *See*—
Kessels, Franciscus A. H.

Chemische Werke Huls Gesellschaft mit beschränkter Haftung, assignee: *See*—
Wenning, Heinrich.

Chemloch Corporation, assignee: *See*—
Pattilloch, Donald K.

Chempatents, Inc., assignee: *See*—
Cunningham, George L.
Egbert, Robert B.
Landau, Ralph.
Landau, Ralph, and Egbert.

Chemstrand Corporation, The, assignee: *See*—
Basdekis, Costas H.
Basdekis, Costas H., and Wesp.
Chaney, David W.
Emerson, Paul D.
Gann, Paul W., and Ham.
Gluesenkamp, Earl W., and Craig.
Gluesenkamp, Earl W., and Ham.
Ham, George E.
Ham, George E., and Craig.
Hammond, Walter H., Holt, and Schaefer.
Helle, Robert H.
Justice, John L.
Lytton, Marion R.
Mowry, David T., and Ringwald.
Wesp, George L., and Ham.

Chenery, Peter J., Pelham, N. Y., assignor to The Sperry Corporation. Damping system for dirigible craft. 2,632,142, Mar. 17.

Chenette, Edmond Z.: *See*—
Chenette, Joseph C., and E. Z.

Chenette, Joseph C., and E. Z. Chenette, Harlingen, Tex. Hand truck with adjustable toe plate. 2,653,033, Sept. 22.

Cheney, Charles W., Hockley, Birmingham, England. Key locked slidable bolt fastening for attaché and suitcases and the like. 2,641,123, June 9.

Cheney, Charles W., Hockley, Birmingham, England. Band clip having closing worm gear. 2,650,405, Sept. 1.

Cheney, Charles W., Hockley, Birmingham, England. Worm geared band clip. 2,650,406, Sept. 1.

Cheney, Charles W., Hockley, Birmingham, England. Worm geared band clip. 2,650,407, Sept. 1.

Cheney, Harry A., A. W. Fairbairn, and O. L. Davis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of methallyl halides. 2,642,464, June 16.

Cheney, Lee C.: *See*—
Cooper, Douglas E., and Cheney.

Cheney, Lee C., Fayetteville, assignor to Bristol Laboratories Inc., Syracuse, N. Y. Substituted pyridinium salts. 2,632,761, Mar. 24.

Cheney, Leroy K., Lansing, Ill., assignor to Sinclair Refining Company, New York, N. Y. Conversion of heavy hydrocarbons. 2,633,449, Mar. 31.

Cheney, Leslie W., North Attleboro, Mass., assignor to Swank, Inc. Mounting for initials or ornamental members. 2,662,323, Dec. 15.

Cheney, Oliver F., assignor to Philco Corporation, Philadelphia, Pa. Frequency response control means for high-frequency amplifiers. 2,646,471, July 21.

Cheney, Vao L., San Leandro, and M. E. Toby, San Francisco, assignors to Chip Steak Company, Oakland, Calif. Package forming and sealing machine. 2,627,150, Feb. 3.

Cheney, Walter B.: *See*—
Hiatt, William C., and Cheney.

Chenicek, Joseph A.: *See*—
Thompson, Ralph B., and Chenicek.

Chenicek, Joseph A., Bensenville, assignor to Universal Oil Products Company, Chicago, Ill. Extraction of olefinic hydrocarbon mixtures. 2,626,959, Jan. 27.

Chenicek, Joseph A., Bensenville, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,633,415, Mar. 31.

Chenicek, Joseph A., Bensenville, assignor to Universal Oil Products Company, Chicago, Ill. Substituted carbamic acid esters as surface active agents. 2,649,473, Aug. 18.

Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba.

Cherepow, Frederic H.: *See*—
Mueller, William G., Cherepow, Bartes, and Klause.

Chermendy, Carl V., Dearborn, Mich. Circuit breaker. 2,664,474, Dec. 29.

Chernack, Molly, Brooklyn, N. Y. Hair curler. 2,649,097, Aug. 18.

Cherniavsky, Alexander J.: *See*—
Johnson, Ava J., and Cherniavsky.

Cheronis, Nicholas D., assignor of one-third to E. L. Gustus, Chicago, Ill. Resin-impregnated water-resistant leather. 2,635,059, Apr. 14.

Cheronis, Nicholas D., Chicago, Ill., and E. W. Newbury, Milwaukee, Wis., said Newbury assignor to J. Greenebaum Tanning Co., Chicago, Ill. Water-resistant leather and producing same. 2,635,060, Apr. 14.

Cherpeski, Robert P.: *See*—
Manley, Theodore M., and Cherpeski.

Cherry-Burrell Corporation, assignee: *See*—
Boileau, Arthur H.
Bodendoerfer, Raymond E.
Horneman, Herman C., Hussong, Quam, and Hammer.
Huston, Charles R.
Kummer, Theodore H., and Bodendoerfer.
Lippold, Adolph J.
Lundal, Ingle J., and Robichaux.
McCabe, John B., and Luedicke.
Newhall, Benjamin G.

Cherry, Ralph E., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Drive torque limiting device. 2,659,220, Nov. 17.

Cherry Rivet Company, assignee: *See*—
Ketchum, Milo C., and Huffman.

Cherry, Robert H., Glenside, A. J. Williams, Jr., and R. E. Tarpley, Philadelphia, and W. McAdam, Ambler, assignors to Leeds and Northrup Company, Philadelphia, Pa. Current-measuring system. 2,659,047, Nov. 10.

Cherry, Walter L., Jr., Northbrook, Ill., assignor to Zenith Radio Corporation. Piezoelectric transducer. 2,640,889, June 2.

Cherry, William H., Princeton, N. J., assignor to Radio Corporation of America. Capacitor and circuit. 2,656,466, Oct. 20.

Chertoff, George J.: *See*—
Caldwell, Sylvester S., Chertoff, and Curtiss.

Cheslan Brush Company, Inc., assignee: *See*—
Chesney, Murphy A., and Lang.

Chesler, Abraham E., Woodmere, N. Y. Door lock. 2,651,934, Sept. 15.

Chesler, Abraham E., Woodmere, N. Y. Heart-lung apparatus. 2,652,831, Sept. 22.

Chesnavich, John: *See*—
Koenig, Edward H., and Chesnavich.

Chesnes, Albert A.: *See*—
Dressler, Robert, and Chesnes.

Chesney, Keith E. and M. E., Fruitland, Idaho. Hydraulic hoist for ladders. 2,650,750, Sept. 1.

Chesney, Mertle E.: *See*—
Chesney, Keith E. and M. E.

Chesney, Murphy A., and H. A. Lang, assignors to Cheslan Brush Company, Inc., Knoxville, Tenn. Hand brush and nesting case. 2,648,083, Aug. 11.

Chesnut, John D., assignee: *See*—
Bannon, Thomas C., and Spencer.
Spencer, Lloyd.

Chesser, Cecil E., Hebron, assignor to Newark Stove Company, Newark, Ohio. Oil range and tank. 2,642,060, June 16.

Chesser, Cecil E., Hebron, assignor to Newark Stove Company, Newark, Ohio. Stove and ash discharge means therefor. 2,660,997, Dec. 1.

Chessman, Samuel C., assignor to C. B. Hunt & Son, Inc., Salem, Ohio. Fluid valve means. 2,645,450, July 14.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Corrosion protected zinc products and producing them. 2,631,951, Mar. 17.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Compositions and method for electroplating zinc. 2,632,728, Mar. 24.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Vitreous enameling processes and products. 2,639,264, May 19.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electroplating copper. 2,651,609, Sept. 8.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Electroplating zinc. 2,651,610, Sept. 8.

Chester, Allan E., Highland Park, assignor to Poor & Company, Chicago, Ill. Chromium electroplating. 2,655,471, Oct. 13.

Chester, Frank R., Santa Monica, Calif. Adjustable measuring vessel. 2,626,526, Jan. 27.

Chester, Frank R., Santa Monica, Calif. Ice-cream scoop. 2,633,814, Apr. 7.

Chester, Gifford W., Kansas City, Mo. Adjustable measuring device. 2,630,014, Mar. 3.

Chester, Milton A., assignor to The Development-Research Corporation, Los Angeles, Calif. Hardness tester. 2,643,544, June 30.

Chesters, John H., assignor to The United Steel Companies Limited, Sheffield, England. Open hearth furnace. 2,662,761, Dec. 15.

Chestley, John, Volant, Pa. Driving and supporting device for rotatable members. 2,657,586, Nov. 3.

Chestnut Farms-Chevy Chase Dairy Company, assignee: *See*—
Powell, Charles K.

Chesus, Frank O., Bayshore, and J. T. Koleda, Islip, N. Y. Inductance tuning unit. 2,629,860, Feb. 24.

Chesus, Frank O., Bayshore, and J. T. Koleda, Islip, N. Y. Oscillator-mixer circuit with single triode tube. 2,631,229, Mar. 10.

Chetlan, Carl H., Cleveland, assignor of one-half to Virgil Burnette, Rittman, Ohio. Signal balloon. 2,646,019, July 21.

Chevalier, Pierre J., Lyon, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Waterproof siloxane cements. 2,635,084, Apr. 14.

Chevalier, Pierre J., Lyon, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Composition of fluid methyl polysiloxanes. 2,641,589, June 9.

Chevalier, Pierre J., Lyon, assignor to Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. Preparing polymethyl siloxanes and product. 2,642,411, June 16.

Chew, Gayel G., Reno, Nev., assignor of thirty-three and one-third percent to M. M. Chew. Fishhook holder. 2,629,965, Mar. 3.

Chew, Mark M., assignee: *See*—
Chew, Gayel G.

Chiaberta, Serafino, assignor to Bulloneria e Viteria Italiana B. E. V. I., Milan, Italy. Machine for producing articles from blank stock. 2,652,577, Sept. 22.

Chiaberta, Serafino, assignor to B. E. V. I. Bulloneria e Viteria Italiana, Soc. a resp. lim., Milan, Italy. Wood screw manufacturing process. 2,652,578, Sept. 22.

Chiapella, Giuseppe, assignor to Officine Viberti Societa per Azioni, Turin, Italy. Platform for connecting the contiguous sections of articulated vehicles. 2,644,714, July 7.

Chicago Aerial Survey Company, assignee: *See*—
Miles, John R.

Chicago Bridge & Iron Company, assignee: *See*—
Larsen, Lyle V.
Moyer, Frederick D.
Orr, Clifford M.
Orr, Clifford M., and Bannister.

Chicago Cardboard Company, assignee: *See*—
Burr, Ned.
Drueck, Fred, Jr.

Chicago Carton Company, assignee: *See*—
Ragan, Robert O., and Ritter.
Richardson, Ralph R., Ritter, Ragan and Coy.
Smith, William C.

Chicago Coin Machine Co., assignee: *See*—
Koci, Jerry C.

Chicago Die Casting Manufacturing Company, assignee: *See*—
Koch, William P.

Chicago Eye Shield Company, assignee: *See*—
Malcom, Robert, Jr.

Chicago Metal Hose Corporation, assignee: *See*—
Anderson, Carl G.
Fentress, David W.
Hesterman, Francis C.
Schindler, Frank S., and Titus.

Chicago Nipple Manufacturing Company, assignee: *See*—
Marsden, George B.

Chicago Pneumatic Tool Company, assignee: *See*—
Fischer, Howard R., and Roberts.
Lear, Earl B.

Chicago Pump Company, assignee: *See*—
Lamb, Miles A., Klein, Stranberg, and Frankowski.

Chicago Railway Equipment Company, assignee: *See*—
Ekholm, Herbert W.
Spaeth, Irvin J.
Wasberg, Axel.

Chicago Rawhide Manufacturing Company, assignee: *See*—
Isenbarger, Robert O.

Chicago Roller Skate Company, assignee: *See*—
Ware, Gordon K.
Ware, Gordon K., and Filetz.
Ware, Walter.

Chicago Rubber Company, Inc., assignee: *See*—
Cosmos, William J.

Chicago Show Printing Company, assignee: *See*—
Leander, Russell J.

Chicago Steel and Wire Company, assignee: *See*—
Green, Frank A.

Chicago Telephone Supply Corporation, assignee: *See*—
Arisman, Mervin B., Vaksvik, and Magnusen.
Budd, Wilbert H.
Budd, Wilbert H., and Daily.
Bush, Wilkie L., and Daily.
Daily, Arthur M., and Arisman.
Daily, Arthur M., and Veatch.
Vaksvik, Adrian J.
Veatch, Joseph G., Jr., and Daily.

Chick, Lloyd E., Chicago, Ill. Protective device for magnetic recorders. 2,626,760, Jan. 27.

Chick, Russell W., Beverly, Mass., assignor to The Baldwin Company, Cincinnati, Ohio. Electronic organ. 2,636,989, Apr. 28.

Chicopee Manufacturing Corporation, assignee: *See*—
Heldman, Ernest J., and Jamison.
Newbegin, John L., and Griswold.
Rohs, Joseph F.
Simon, Simon A., and Drelich.

Chiddix, Max E., Easton, and M. R. Williams, Pen Argyl, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing substituted hydroxy benzyl alcohol. 2,631,169, Mar. 10.

Chiddix, Max E., Easton, Pa., S. H. Hesse, Phillipsburg, and E. J. Selferle, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Chemical composition. 2,638,486, May 12.

Chiesa, Anthony: *See*—
Adler, Edward, and Chiesa.

Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Adjustable bearing retainer assembly. 2,634,178, Apr. 7.

Chiksan Company, assignee: *See*—
Lagrange, Victor E., and Parmesan.
Parmesan, Daniel J.

Chilcott, Adrian E., Detroit, and W. F. Grier, Royal Oak, assignors to Chrysler Corporation, Highland Park, Mich. Toolholder. 2,644,224, July 7.

Childers, Harry S., assignor to Vendorlator Manufacturing Company, Fresno, Calif. Dispensing apparatus. 2,633,958, Apr. 7.

Childers, Harry S., assignor to Vendorlator Manufacturing Company, Fresno, Calif. Coin-controlled mechanism. 2,648,417, Aug. 11.

Childers, Roscoe O., Norman, Okla., assignor to Baker Oil Tools, Inc., Vernon, Calif. Hydraulically operable valve controlled well tool. 2,640,543, June 2.

Childhood Interests, Inc., assignee: *See*—
Miller, Harry E.

Childlore Company, assignee: *See*—
Arenson, Herbert, and Witherspoon.

Children's Hospital of Philadelphia, assignee: *See*—
Gibbon, Samuel Y.

Childress, John B.: *See*—
Kingston, Benson M., and Childress.

Childress, Olven W., Jr.: *See*—
Foust, Floyd J., Childress, Crim, and Thompson.

Childress, Randall J.: *See*—
Schaetzel, Donald E., and Childress.

Childress, Randall J., Norwalk, Calif., assignor to General Mills, Inc. Automatic diverter for pneumatic conveyers. 2,644,722, July 7.

Childress, William C., Oak Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Binder-strap joint-forming tool. 2,662,431, Dec. 15.

Childress, William C., Oak Park, and A. I. Ericsson, assignors to Signode Steel Strapping Company, Chicago, Ill. Strap joint-forming mechanism. 2,644,356, July 7.

Childs, John C., New Rochelle, N. Y. Antigyration selector switch for rotary wing aircraft. 2,640,892, June 2.

Childs, Kenneth L., New Haven, Conn., assignor to Artisan Metal Products, Inc., Waltham, Mass. Frying apparatus. 2,652,767, Sept. 22.

Childs, Robert S., South Sudbury, assignor, by mesne assignments to E. G. Martin, Cambridge, Mass. Variable inductance for measuring motion. 2,650,352, Aug. 25.

Childs, Walter H., Sr., St. Petersburg, Fla. Battery switch. 2,644,864, July 7.

Chill, Charles W.: *See*—
Davis, John V., Chill, and Pianowski.

Chill, Frank C.: *See*—
Baumer, Richard A., Busch, and Chill.

Chillson, Charles W.: *See*—
Kochenburger, Ralph, Chillson, and Knapp.

Chillson, Charles W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Propeller pitch change mechanism. 2,640,552, June 2.

Chilo, Paul, Chicago, Ill. Lamp harp extension. 2,650,981, Sept. 1.

Chilo, Paul, Chicago, Ill. Harp swivel. 2,650,982, Sept. 1.

Chilowsky, Constantin, assignor to Technical Assets, Inc., New York, N. Y. Method and apparatus for producing electrical and mechanical energy from thermal energy. 2,648,784, Aug. 11.

Chilton, Roland, Ridgewood, N. J., assignor to Curtiss-Wright Corporation. Compound-lead screw compressor or fluid motor. 2,652,192, Sept. 15.

Chilton, William D., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Clip clinching tool. 2,647,814, Aug. 4.

Chilton, William D., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Hog ring clinching tool. 2,656,539, Oct. 27.

Chilton, William E.: *See*—
Dixon, Edward C., and Chilton.

Chim, A. G., assignee: *See*—
Weibel, Dominique.

Chimani, Frédéric, Strasbourg, France. Rapid shovelling device. 2,647,332, Aug. 4.

Chimie et Atomistique, assignee: *See*—
Gauthier, Bernard.

Chinchole, Henri A., Paris, France. Lubricating apparatus operating through shaking of the lubricant for settling same. 2,656,952, Oct. 27.

Chinn, Arthur J.: *See*—
Flight, Theodore N., Wilson, and Chinn.

Chinnici, Michael, Brooklyn, assignor to Peerless Sewing Machine Corporation, New York, N. Y. Sewing machine. 2,645,193, July 14.

Chiotti, Premo: *See*—
Wilhelm, Harley A., and Chiotti.

Chip Steak Company, assignee: *See*—
Cheney, Vao L., and Toby.

Chipley, Alfred S.: *See*—
Leadbetter, Ralph L., Chipley, and Certik.

Chipley, Alfred S., Bokeelia, Fla., assignor to Burgess-Manning Company, Libertyville, Ill. Inertial air cleaner. 2,648,398, Aug. 11.

Chipley, Alfred S., Mundelein, assignor to Burgess-Manning Company, Libertyville, Ill. Combined inertial air cleaner and filter. 2,634,821, Apr. 14.

Chipley, Alfred S., Mundelein, assignor to Burgess-Manning Company, Libertyville, Ill. Freezing point tester. 2,658,383, Nov. 10.

Chipman, John F., South Weymouth, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Grounding and testing device for metal clad switchgears. 2,662,994, Dec. 15.

Chirgwin, Martin R., assignee: *See*—
Wasley, Roy E.

Chisena, Ernest F., Brooklyn, N. Y. Cable insulation cutter. 2,647,309, Aug. 4.

Chisholm, Douglas S., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Making a die-expressed article of a magnesium-base alloy. 2,630,623, Mar. 10.

Chisholm, Gilbert G., Lucan, Ontario, assignor to Ferros Metals Research Company Limited, Toronto, Ontario, Canada. Ore pulp concentrator. 2,655,263, Oct. 13.

Chisholm-Ryder Company of Pennsylvania, assignee: *See*—
Hesson, Charles M.

Chisholm, Walter E., assignee: *See*—
La Voque, Edward C.

Chiswell, Edgar B., Berkeley, and H. W. Gaunce, El Cerrito, assignors to California Research Corporation, San Francisco, Calif. Pneumatic conveying system. 2,631,660, Mar. 17.

Chittick, Charles Y., Waban, Mass. Flexible corrugated sheet material and fabricating same. 2,642,372, June 16.

Chittum, Joseph F.: *See*—
Standing, Marshall B., and Chittum.

Chitwood, Henry C., J. T. Fitzpatrick, G. W. Fowler, and B. T. Freure, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Dehydrogenation catalyst and process. 2,640,084, May 26.

Chiuzzi, Angel F., Saavedra, Argentina. Manually rotatable and tiltable headlamp. 2,639,367, May 19.

Chivers, Henry A., Balwyn, Victoria, Australia. Clutching device for windshield wipers. 2,659,465, Nov. 17.

Chloride Electrical Storage Company Limited, The, assignee: *See*—
Chapman, Edward S.
Coates, Archibald.
Harvey, Robert A.

Chmelař, Václav, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Pressing and like machine. 2,642,973, June 23.

Cho, Chi L., assignor to Electro-Watt Electrical and Industrial Management Co., Ltd., Zurich, Switzerland. Tens-transfer mechanism. 2,650,765, Sept. 1.

Choate, Christian E., assignor of one-half to C. May, Los Angeles, Calif. Attachment for chairs and other structures. 2,650,651, Sept. 1.

Choate, Christian E., assignor of one-half to C. May, Los Angeles, Calif. Chair with rear shelf. 2,650,658, Sept. 1.

Choate, Miles C., Tangent, Oreg. Sagebrush puller or uprooter. 2,624,998, Jan. 13.

Chodroff, Saul: *See*—
Kapp, Roland, Chodroff, and Sofield.

Chodziesner, Georg F., Bondi, near Sydney, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Weighing device with electrical valve control means. 2,646,904, July 28.

Choice, Frank C., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,633,585, Apr. 7.

Choice, Frank C., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe press. 2,657,406, Nov. 3.

Choknè, James A., Richmond, Calif. Dispenser for toothpaste and like materials. 2,664,225, Dec. 29.

Choldun Manufacturing Corporation, assignee: *See*—
Dunn, Henry M., and Oles.

Chonoski, Robert J., and H. W. Hacker, La Grange, Ill.; said Chonoski assignor to said Hacker. Inside reflection visor for automobiles. 2,651,543, Sept. 8.

Chopleska, Frank S., La Crosse, Wis. Cutting knife for food choppers. 2,649,882, Aug. 25.

Choplin, John P., North Wilkesboro, N. C. Wheeled device for transporting boats. 2,624,591, Jan. 6.

Chouinard, Albert E., assignor to Graton & Knight Company, Worcester, Mass. Loom picker head. 2,625,181, Jan. 13.

Chouinard, Alfred F., assignor to National Cylinder Gas Company, Chicago, Ill. Automatic alternating current arc welding system. 2,631,257, Mar. 10.

Chouinard, Alfred F., and J. B. La Pota, assignors to National Cylinder Gas Company, Chicago, Ill. Torch for cutting stainless steel. 2,657,650, Nov. 3.

Chow, Joe G.: *See*—
Payson, Peter, and Chow.

Chowning, Dale K., Mountain View, Mo. Motor vehicle frame mounting means. 2,643,897, June 30
Chrisler, Eugene T., Whitestone, N. Y. Indicator for electrical switches. 2,625,631, Jan. 13.
Chrisman, Ernest L.: *See*—
McCracken, Collins P., and Chrisman.
Chrisman, Merrill W., Afton, Mo. Burial apparatus. 2,655,713, Oct. 20.
Christain, Donald C., and R. M. Reed, Louisville, Ky., assignors, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Catalyst composition. 2,662,063, Dec. 8.
Christaldi, Peter S., Upper Montclair, assignor to A. B. Du Mont Laboratories, Inc., Clifton, N. J. Gain control circuit. 2,631,200, Mar. 10.
Christeck, Bruno J., and L. Z. Plebank, Chicago, Ill. Dispensing bottle top. 2,661,867, Dec. 8.
Christensen, Ahlmann: *See*—
Soberg, Arnold S., and Christensen.
Christensen, Alfred C., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Mixing machine discharge door. 2,641,387, June 9.
Christensen, Alfred C., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Automatic shakeout device for tight flask molds. 2,652,605, Sept. 22.
Christensen, Alfred C., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Safety stop device. 2,652,914, Sept. 22.
Christensen, Byron C., assignor to Drilling Equipment Mfg. Co., Oklahoma City, Okla. Quick-opening valve. 2,644,486, July 7.
Christensen, Carl O., Walnut Creek, assignor to Roll-Rite Corporation, Oakland, Calif. Wheel and mounting assembly. 2,647,277, Aug. 4.
Christensen, Christian and G. B., New Rochelle, N. Y. Transparency viewing device. 2,654,173, Oct. 6.
Christensen, Geneva B.: *See*—
Christensen, Christian and G. B.
Christensen, Howard: *See*—
Becker, Joseph A., and Christensen.
Christensen, Howard, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making a thermistor by oxidation of a nickel manganese alloy. 2,636,012, Apr. 12.
Christensen, Howard, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for semiconductors. 2,662,997, Dec. 15.
Christensen, John W., Forest Hills, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Color television. 2,645,678, July 14.
Christensen, John W., Cedar City, Utah, J. V. Granger, Cambridge, Mass., and J. J. Wedel, Seattle, Wash., assignors to the United States of America as represented by the Secretary of War. Autodyne converter. 2,658,995, Nov. 10.
Christensen, Leo M., Lincoln, Nebr. Producing alcohol. 2,662,842, Dec. 15.
Christensen, Niels A., South Euclid, Ohio. Seal for hydraulic rams. 2,625,413, Jan. 13.
Christensen, Niels A., South Euclid, Ohio. Valve mechanism. 2,642,087, June 16.
Christensen, Niels A., South Euclid, Ohio. Coupling. 2,654,234, Oct. 6.
Christensen, Paul M.: *See*—
Cole, Thomas M., and Christensen.
Christensen, Paul M., West Orange, assignor to Federal Electric Products Company, Newark, N. J. Automatic circuit breaker. 2,648,736, Aug. 11.
Christensen, Paul M., West Orange, assignor to Federal Electric Products Company, Newark, N. J. Multiple circuit breaker. 2,662,948, Dec. 15.
Christensen, Paul M., West Orange, assignor to Federal Electric Products Company, Newark, N. J. Automatic circuit breaker. 2,662,950, Dec. 15.
Christensen, Paul M., West Orange, N. J., and A. R. Norden, New York, N. Y., assignors to Federal Electric Products Company, Newark, N. J. Multiple circuit breaker. 2,662,949, Dec. 15.
Christensen, Paul W.: *See*—
Anderson, Vernon L.
Christensen, Sherman L.: *See*—
Broussard, Robert F., Miller, Sollenberger, and Christensen.
Christensen, Wm., Co., Inc., assignee: *See*—
Ramer, Robert C.
Watson, George F.
Christensen, William J., Salt Lake City, Utah. Orthopedic chair. 2,655,982, Oct. 20.
Christensen, William R., Newton Highlands, and C. E. Cross, East Sandwich, Mass. Lens ventilation in goggles structure. 2,654,090, Oct. 6.
Christenson, George L., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Stabilized sulfa drug. 2,635,980, Apr. 21.
Christenson, Gust J., Park Ridge, assignor to Standard Car Truck Company, Chicago, Ill. Spring package. 2,652,244, Sept. 15.
Christenson, Sheldon B., Salt Lake City, Utah. Collapsible rack. 2,652,930, Sept. 22.
Christian, Frank M., Ventura, Calif. Vehicle intermittent combustion type power plant. 2,627,716, Feb. 10.
Christian, Frank T.: *See*—
Buxton, James E., and Christian.
Christian Missions Foundation, Inc., assignee: *See*—
Bruins, Paul F.
Christian, Raymond A., P. H. Williams, J. R. Ganger, A. R. Colley, A. J. Strachan, W. L. Paden, J. H. Crawford, H. C. Johnson, R. H. Geiger, and R. C. Mitchell, assignors to The National Cash Register Company, Dayton, Ohio. Overdraft mechanism for accounting machines. 2,626,749, Jan. 27.
Christian, Raymond A., H. C. Johnson, and P. H. Williams, assignors to The National Cash Register Company, Dayton, Ohio. Carriage operated controlling mechanism for accounting machines. 2,626,750, Jan. 27.
Christian, Raymond A., and J. R. Ganger, assignors to The National Cash Register Company, Dayton, Ohio. Control mechanism for accounting machines. 2,644,636, July 7.
Christian, Raymond A., A. J. Strachan, and P. H. Williams, assignors to The National Cash Register Company, Dayton, Ohio. Symbol printing mechanism for accounting machines. 2,647,688, Aug. 4.
Christian, Rodney E.: *See*—
Lange, Harry B., and Christian.
Christian, Schuyler M., Princeton, N. J., assignor to Radio Corporation of America. Radiation detection. 2,631,246, Mar. 10.
Christiance, Harry C., West Brooklyn, Ill. Cam and lever actuating mechanism. 2,658,396, Nov. 10.
Christiansen, Christian, St. Cloud, Minn. Device for loading, transporting, and unloading material. 2,635,884, Apr. 21.
Christiansen, Christian, Oslo, and G. O. K. Rüsch, Mandal, Norway. Tension control device for looms or the like. 2,646,079, July 21.
Christiansen, James B., Highland Park, Mich., assignor to General Mills, Inc. Feed calculator. 2,642,224, June 16.
Christiansen, Robert G.: *See*—
Johnson, William S., and Christiansen.
Christiansen, William S., and A. C. Rissberger, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Photographic printing frame. 2,641,979, June 16.
Christianson, George, Minneapolis, and P. E. Ramstad, St. Paul, Minn., assignors to General Mills, Inc. Preparing a hydrophilic colloid. 2,662,882, Dec. 15.
Christie, Cleve F., assignor of twenty-five per cent to D. A. Harrison, Knoxville, Tenn. Air control valve for carburetor gaskets. 2,642,089, June 16.
Christie, Cleve F., assignor of ten per cent to D. A. Harrison, Knoxville, Tenn. Combined burglar and fire alarm. 2,643,313, June 23.
Christie, Donald M., Haviland, Ontario, Canada. Rack for tie bags. 2,643,003, June 23.
Christie, Donald R., and M. M. Bottemiller, Wadena, Minn. Dental matrix apparatus. 2,646,622, July 28.
Christie, Douglas P., Townsend, Mont. Adjustable measuring cup. 2,625,044, Jan. 13.
Christie, Soren L., and F. C. Marshall, Los Angeles, Calif., assignors to McColpin-Christie Corp. Battery testing method. 2,644,132, June 30.
Christie, Soren L., and F. C. Marshall, Los Angeles, Calif., assignors to McColpin-Christie Corp. Battery charging apparatus. 2,650,339, Aug. 25.
Christmann, Ludwig J.: *See*—
Vingee, Raymond A., and Christmann.
Christmann, Ludwig J., Yonkers, N. Y., and A. G. Houpt, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacture of HCN. 2,656,251, Oct. 20.
Christner, Robert M., Pittsburgh, Pa. Universal connection for electric service cords. 2,652,546, Sept. 15.
Christoff, Chris A., assignor to Clary Multiplier Corporation, San Gabriel, Calif. Strip rewinding means. 2,661,910, Dec. 8.
Christopher, Albert S., Chicago, Ill. Loosening apparatus for wall coverings. 2,628,610, Feb. 17.
Christopher, Robert C., Chicago, Ill. Pressure responsive automobile jack. 2,634,580, Apr. 14.
Christophersen, Clarence E., assignor to Marman Products Company, Inc., Inglewood, Calif. Axially tightening band clamp. 2,641,038, June 9.
Christophersen, Clarence E., Inglewood, and G. A. Mahoff, Santa Monica, assignors to Marman Products Company, Inc., Inglewood, Calif. Reinforced V-band clamp. 2,653,836, Sept. 29.
Christos, Gregory A., Charleston, S. C. Automatic window cleaner. 2,648,866 Aug. 18.
Christy, Claire C.: *See*—
Nafe, James E., Sr., and Christy.
Chriswell, Frederick W., Seattle, assignor to Pacific Car and Foundry Company, Renton, Wash. High stake log bunk. 2,635,556, Apr. 21.
Chromart Film Industries, assignee: *See*—
Von Fraunhofer, Hans, Verkinderen, and Meeussen.
Chromatic Television Laboratories, Inc., assignee: *See*—
Lawrence, Ernest O.
Okolicsanyi, Ferenc.
Chromy, Benjamin J.: *See*—
Allen, Philip H., and Chromy.
Chromy, Benjamin J., Washington, D. C., and P. H. Allen, Orinda, Calif. Electronic calculator. 2,661,899, Dec. 8.
Chronic, Clarence C., Wheeler, and C. A. Shaffer, Charleston, assignors to Lever Motors Corporation, Wheaton, Ill. Internal-combustion engine. 2,659,351, Nov. 17.

Chrysler Corporation, assignee: *See*—
Baird, Donald A.
Ball, Thomas M.
Beamer, John D., and Bidak.
Berner, Carl H.
Bucy, Roy T., Syrovy, and Dunn.
Butterfield, John P.
Butterfield, John P., and Hughes.
Cangemi, Luigi.
Chilcott, Adrian E., and Grier.
Cudy, Ralph R.
Cuskie, Herman C.
Dickson, John B.
Dodt, Elmer C.
Drinkard, William E.
Duhn, Jens W.
Dunn, William T.
Dysarz, Charles E.
Flemming, Albert E.
Forman, Louis B.
Gale, Andrew T.
Gleason, Thomas C.
Gleason, Thomas C., Smith, and Isley.
Herreshoff, Alexander G.
Herreshoff, Alexander G., and Butterfield.
Iavelli, Teno.
Jackson, Clifford C.
Jandasek, Joseph.
Jones, John F., Timpner, and Juvinall.
Keller, Kaufman T.
Kelley, Neil T.
Koskinen, Olavi M.
Loofbourrow, Ahn G.
Maurer, Edwin R.
Maurer, Edwin R., and Caton.
Maurer, Edwin R., and Syrovy.
McCarthy, George D., and Edwards.
Neracher, Carl A., and Robinson.
Newton, Alwin B.
Nims, Paul T., and Jacob.
Niven, Archie M.
Robinson, Maurice C.
Rodger, William R.
Rodger, William R., and Cannon.
Sarto, Jorma O.
Schotz, Otto W.
Sheppard, William L.
Shields, Richard N.
Slack, Frederic W.
Staley, Allen C., and Williams.
Sturtevant, Mark J.
Syrovy, Augustin J., Dunn, and Bucy.
Utz, Chester C., and Collier.
Van Der Sluys, William.
Williams, Samuel B.
Wolfe, Robert W.
Zeder, Henry H., Dickson, and Zeeb.
Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Reflector scanning antenna. 2,643,339, June 23.
Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electromagnetic waveguide radiator. 2,646,506, July 21.
Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Vernier scanner. 2,648,003, Aug. 4.
Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,653,241, Sept. 22.
Chu, Lan J., Brookline, Mass., and M. A. Taggart, Indianapolis, Ind., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pillbox antenna. 2,638,546, May 12.
Chu, Lan J., Brookline, and C. V. Robinson, Newton Center, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,653,239, Sept. 22.
Chu, Ting Y.: *See*—
Spangler, Merlin G., and Chu.
Chubb, Melvin F., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Battery pigment. 2,640,862, June 2.
Chubb, Melvin F., Joplin, Mo., assignor to the United States of America as represented by the Secretary of the Army. Cuprous chloride electrodes. 2,658,935, Nov. 10.
Chudleigh, Walter H., Jr.: *See*—
Barnett, Guy F., and Chudleigh.
Chudleigh, Walter H., Jr., Orcland, assignor to Philco Corporation, Philadelphia, Pa. Brightness control circuit for television receivers. 2,651,739, Sept. 8.
Chudnow, Morris H., New York, N. Y. Drain assembly. 2,659,900, Nov. 24.
Chudyk, Alex B., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure control apparatus having limiting controller. 2,629,074, Feb. 17.
Chudyk, Alex B., St. Louis Park, and R. J. Kutzler, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combustion engine power control apparatus. 2,652,896, Sept. 22.
Chun, Yee S., assignee: *See*—
Der Ynen, Frank.
Church, C. F., Manufacturing Company, assignee: *See*—
Young, Sherwood L.
Church, George T., assignor to Fretz-Moon Tube Company, Inc., Butler, Pa. Feed table for threaders, reamers, and other end-tooling operations. 2,654,463, Oct. 6.
Church, James M., Tenafly, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Organotin phosphates. 2,630,436, Mar. 3.
Church, James M., Tenafly, H. E. Ramsden, New Brunswick, and H. Hirschland, Cranford, N. J., and H. W. Buchanan, assignors to Metal & Thermit Corporation, New York, N. Y. Organotin phosphate esters. 2,630,442, Mar. 3.
Church Mart, Inc., The, assignee: *See*—
Gross, Frank J.
Church, Robert E., Elkin, N. C. Steering mechanism for rotary mowers. 2,659,445, Nov. 17.
Church, Stanley M., Los Angeles, Calif. Reactively actuated acousto-electric transducer. 2,650,954, Sept. 1.
Church, Walter L., Flint, Mich., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,638,496, May 12.
Church, Walter L., Houston, Tex. Flow valve for fluid lift pumps. 2,624,362, Jan. 6.
Churchill, Alan W., Caldwell, and R. C. Van Camp, Madison, assignors to Automatic Switch Co., Orange, N. J. Four-way valve. 2,624,585, Jan. 6.
Churchill, George R., Oregon, Ill. Fishing lure. 2,629,961, Mar. 3.
Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Split flexible brake band 2,637,420, May 5.
Churchill, John W., Kenmore, N. Y., assignor to Mathieson Chemical Corporation. Chemical process. 2,639,977, May 26.
Churchill, John W., Kenmore, assignor to Mathieson Chemical Corporation, New York, N. Y. Polymerized dichlorostyrenes containing organo-tin anticrazing agents. 2,643,242, June 23.
Churchill, Lee C., Walla Walla, Wash. Collar and tie guide and holder. 2,636,179, Apr. 28.
Churchill, Wilmer H., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Coil mounting clip. 2,632,615, Mar. 24.
Churchill, Wilmer H., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bendable tongue attaching device. 2,653,687, Sept. 29.
Churchill, Wilmer H., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lamp socket for snap fastener engagement with an apertured support. 2,664,549, Dec. 29.
Churchman, Nellie, executrix: *See*—
Churchman, Russell C.
Churchman, Russell C., deceased, Des Moines, Iowa, Nellie Churchman, executrix of said R. C. Churchman. Combination filter and trap. 2,636,571, Apr. 28.
Churus, George P., Astoria, N. Y. Movable mechanical figure. 2,633,669, Apr. 7.
Chute, Ralph H., Quincy, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Switch assembly. 2,626,336, Jan. 20.
Chuy, Nicholas, assignor to R. G. Horowitz, Detroit, Mich. Automatic step-by-step stock feeder. 2,634,974, Apr. 14.
Ciaccio, Peter L., Los Angeles, Calif. Winch tension retaining belt-clutch. 2,632,335, Mar. 24.
Ciaio, Joseph A., Corona, N. Y. Laminated shoe sole. 2,644,250, July 7.
Cianchi, Alfredo L.: *See*—
Fraser, Reginald P., and Cianchi.
Ciapetta, Frank G., Llanerch, assignor to The Atlantic Refining Company, Philadelphia, Pa. Reforming process and catalyst. 2,651,598, Sept. 8.
Ciba Limited, assignee: *See*—
Ackermann, Franz.
Albrecht, Otto.
Albrecht, Otto, and Maeder.
Anderau, Walter.
Graenacher, Charles, Bruengger, and Siegrist.
Hagenbuecker, Alfred.
Jenny, Walter, and Kern.
Koch, Jacob, and Kern.
Landolt, Albert.
Matter, Max.
Menzi, Karl, Riat, and Wegmann.
Moser, Eduard.
Ott, Gustav H.
Riat, Henri.
Schibler, Luzius.
Schmid, Max., and Moser.
Sulzer, Georg.
Wegmann, Jacques, and Menzi.
Wildmer, Willy, and Fasciati.
Zickendraht, Christian.
Zickendraht, Christian, and Wittwer.
Zweifel, Hans-Heini, and Ackermann.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Druey, Jean.
Druey, Jean, and Schmidt.
Hoffmann, Karl, and Spillmann.
Hoffman, Karl, and Tagmann.
Huebner, Charles F., Mizzoni, Mull, and Scholz.
Huebner, Charles F., and Scholz.
Marsh, William S., Mayer, Mull, Scholz, and Townley.
Miescher, Karl, and Anner.
Miescher, Karl, and Marxer.
Miescher, Karl, and Schmidlin.
Miescher, Karl, Wettstein, and Heer.
Miescher, Karl, Wettstein, and Schmidlin.
Ruzicka, Leopold, and Jeger.
Ruzicka, Leopold, and Plattner.
Wettstein, Albert, and Meystre.

Cibié, Pierre, Paris, France. Combined voltage regulator and self-closing circuit breaker. 2,648,035, Aug. 4.

Cibulka, Alois, Highlands, Tex. Floating roof for tanks. 2,647,654, Aug. 4.

Ciccone, Nino, New York, assignor of one-half to S. Lusick, Brooklyn, N. Y. Measuring block device for tool lathes. 2,658,283, Nov. 10.

Cichelli, Mario T., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Adsorption process and apparatus. 2,631,727, Mar. 17.

Cichelli, Mario T., Wilmington, Del., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Molecular filtration. 2,650,670, Sept. 1.

Cichoski, Edward C., Jersey City, and W. C. Dale, Basking Ridge, N. J., assignors to Radio Corporation of America. Method and apparatus for forming thin-walled metal sleeves. 2,662,573, Dec. 15.

Cier, Harry E.: *See*—
Schutze, Henry G., and Cier.

Cier, Harry E., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Photochemical production of naphthenic hydrocarbons. 2,636,854, Apr. 28.

Cier, Harry E., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Photochemical production of branched paraffinic hydrocarbons. 2,640,023, May 26.

Cieslik, Richard J., Baltimore, Md. Curtain fixture. 2,647,644, Aug. 4.

Cigila, Ernest F., Mount Vernon, N. Y. Oil burner. 2,647,567, Aug. 4.

Cilag Limited, assignee: *See*—
Suter, Hans, Habicht, and Kündig.
Suter, Hans, Stocker, and Zutter.

Cinami, Armando R., Hoxsie, R. I., assignor to The Mason Box Company, Attleboro Falls, Mass. Holder for articles of jewelry and the like. 2,646,953, July 28.

Cinamon, Lionel, New York, N. Y. Electrical clamping connector. 2,634,308, Apr. 7.

Cinch Manufacturing Corporation, assignee: *See*—
Del Camp, Scipione M.
Heath, Clarence W.
Johanson, Bengt J.
Peters, Arthur C.

Cincinnati Butchers' Supply Company, The, assignee: *See*—
Pickens, Clifford J., Sr.
Schmidt, Carl O., Jr.
Schmidt, Carl O., Jr., and Zaenkert.
Schmidt, William C.
Ward, Michael F.
Zaenkert, Frederick A.

Cincinnati Milling Machine Co., The, assignee: *See*—
Decker, Jacob, and Kearns.
Ernst, Hans.
Haas, Frederick S.
Kirby, Roy G.
Kirby, Roy G., Morgan, and Decker.
Plimmer, Alfred G.
Roehm, Erwin G.
Roehm, Erwin G., and Fritschi.

Cincinnati Mine Machinery Co., The, assignee: *See*—
Dann, John D.

Cinecolor Corporation, assignee: *See*—
Kaylor, James W.

Cines, Martin R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of furnace blacks. 2,641,535, June 9.

Cines, Martin R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating ethan from hydrocarbon mixtures. 2,657,761, Nov. 3.

Cines, Martin R., and W. T. Nelson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of carbon black with oxyhalides. 2,641,533, June 9.

Cintron, Juan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Hydraulic actuated valve. 2,637,303, May 5.

Ciolkosz, Zbyslaw M., assignee: *See*—
Bielkowicz, Piotr.

Cipolla, Joseph S., Brooklyn, assignor to F. J. Hale, New York, N. Y., as trustee for F. J. Hale, J. Garvey, M. Andrews, and J. S. Cipolla. Apparatus for permanently waving hair on the human head. 2,642,071, June 16.

Cipolla, Joseph S., Brooklyn, assignor to F. J. Hale, New York, N. Y., as trustee for F. J. Hale, J. Garvey, M. Andrews, and J. S. Cipolla. Apparatus for permanently waving hair on the human head. 2,642,072, June 16.

Cipriani, Chester: *See*—
Robinson, Kenneth I., and Cipriani.

Cipriano, Henry, Johnston, R. I., assignor to Special Machinery Corporation. Intermittent feeding device for machine tools. 2,633,214, Mar. 31.

Cira, James W., Sloan, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Supporting platform for window type room air conditioners. 2,628,052, Feb. 10.

Ciriclillo, Samuel F., Newark, N. J., assignor to General Electric Company. Gas furnace and draft hood assembly. 2,639,706, May 26.

Cislak, Francis E., assignor to Reilly Tar and Chemical Corporation, Indianapolis, Ind. 4-octyl- and nonylpyridines for controlling fungous attacks in organic materials. 2,658,850, Nov. 10.

Cisne, Luther E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device and method of fabrication. 2,641,726, June 9.

Cisne, Luther E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Filamentary cathode support structure. 2,649,553, Aug. 18.

Cissell, W. M., Manufacturing Company, assignee: *See*—
Richterkessing, Frank H.

Cissell, W. M., Mfg. Company, Incorporated, assignee: *See*—
Cissell, William M.
Richterkessing, Frank H.
Richterkessing, Frank H., and Cissell.

Cissell, William M.: *See*—
Richterkessing, Frank H., and Cissell.

Cissell, William M., assignor to W. M. Cissell Mfg. Company, Incorporated, Louisville, Ky. Spray nozzle. 2,664,314, Dec. 29.

Cities Service Oil Company, assignee: *See*—
Hughes, William B., and Heinze.
Walker, John C., and Heston.

Cities Service Research and Development Company, assignee: *See*—
Hughes, William B., and Fisher.
Levitt, Percy B., and Anderson.
Levitt, Percy B., and Morgan.
Merley, Sylvan R., and Kofoet.

Cito, Camillo, Uccle, Belgium, assignor to Industrial Research Laboratory Inc., Philadelphia, Pa. Centrifugal casting of metal parts. 2,663,921, Dec. 29.

Citro, Alphonso P., assignee: *See*—
Mayzel, Mary J.

Citron, Ben, assignor, by mesne assignments, to B. Citron and P. Bernstein, Chicago, Ill. Bed sheet construction. 2,662,234, Dec. 15.

City Auto Stamping Company, The, assignee: *See*—
Faust, Charles L., and Hespenheide.

City Tank Corporation, assignee: *See*—
Calamore, John P.
Thomas, Lawrence S., and Edwards.

City Vending Equipment Corp., assignee: *See*—
Newcomer, Everett J.

Civitelli, Gennaro, Hamden, Conn. Doorstop. 2,638,620, May 19.

Cizek, Frank G., assignor to American Steel Foundries, Chicago, Ill. Adjustable pressure hydraulic valve system. 2,636,509, Apr. 28.

Cizek, Frank G., assignor to American Steel Foundries, Chicago, Ill. Pressure selector valve. 2,649,113, Aug. 18.

Clabaugh, Milford L., assignor to Wix Accessories Corporation, Gastonia, N. C. Oil filter for diesel locomotive engines. 2,626,057, Jan. 20.

Clade, Robert, Detroit, Mich., assignor to American Car and Foundry Company, New York, N. Y. Balanced plug valve. 2,651,490, Sept. 8.

Claesson, Per H. E.: *See*—
Rost, Helge F., and Claesson.
Vigren, Sten D., Claesson, and Zander.

Claesson, Per H. E., Jakobsberg, and K. L. Johansson, Grondal, Sweden. Capacity actuated burglar alarm. 2,640,978, June 2.

Claff, Chester E., and C. A. Moeller, assignors to Norfolk Paper Company, Inc., Randolph, Mass. Reinforced tray. 2,646,914, July 28.

Claff, Clarence L., assignor to Norfolk Paper Company, Inc., Randolph, Mass. Box. 2,644,632, July 7.

Claff, Clarence L., and C. A. Moeller, assignors to Norfolk Paper Company, Inc., Randolph, Mass. Light sensitive control for setting-up machines. 2,624,247, Jan. 6.

Claff, Clarence L., and C. A. Moeller, assignors to Norfolk Paper Company, Inc., Randolph, Mass. Box setting-up machine. 2,658,433, Nov. 10.

Claggett, Albert D., Denver, and D. M. Miller, Hugo, Colo.; said Claggett assor. to said Miller. Rubber stamp pencil combination. 2,627,227, Feb. 3.

Clair, Louis C., Bernice, La. Reduction choke for oil and gas well systems. 2,638,917, May 19.

Clair, Louis C., Bernice, assignor of one-eighth to M. S. Whitfield, Homer, one-sixteenth to W. E. Worley, Shreveport, La., one-eighth to R. F. Peterson, Palestine, Tex., one-eighth to J. D. Dyal, Lisbon, La. Safety shut-off device for oil and gas wells. 2,655,934, Oct. 20.

Clair Manufacturing Company, Inc., assignee: *See*—
Burt, William C.

Clapp, Charles W., Scotia, N. Y., assignor to General Electric Company. Electrical testing apparatus. 2,631,188, Mar. 10.

Clapp, Edwin A.: *See*—
Schreiner, Norman G., and Clapp.

Clapp, Revere E.: *See*—
Getty, Ellsworth J., and Clapp.

Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna direction indicator. 2,653,313, Sept. 22.

Clapp, Roy A., Minneapolis, Minn. Motion-picture machine and film feeding mechanism. 2,649,836, Aug. 25.

Claps, William A., assignor to Anchor Radio Corporation, Chicago, Ill. Radio frequency amplifier. 2,650,296, Aug. 25.

Clapsadle, Leo J., Kenmore, and M. G. Syracuse, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Nongelling aqueous silica sols stabilized with boron compounds. 2,630,410, Mar. 3.

Claridge, Robert A., Afton, and L. C. Thomas, Jennings, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Cover and its manufacture. 2,633,286, Mar. 31.

Clarite Battery, Inc., assignee: *See*—
Jolley, Edward L.

Clark, Adna R., Evansville, Ind., assignor to International Harvester Company. Centrifugally controlled variable speed V-belt power transmission. 2,651,210, Sept. 8.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Fischer-Tropsch catalyst preparation and regeneration. 2,636,011, Apr. 21.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Tandem-bed hydroforming process. 2,645,604, July 14.

Clark, Alfred S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon insoles. 2,635,263, Apr. 21.

Clark, Bryce L.: *See*—
Miller, Carl S., and Clark.

Clark, Carleton L., North Tarrytown, and C. Vicario, New York, N. Y., and C. J. Lyons, Norwalk, Conn., and J. A. Smith, Greenburgh, and W. W. Hickey, assignors to The Rotareaed Corporation, Bronxville, N. Y. Deaerating a suspension of cellulosic fibers. 2,642,950, June 23.

Clark, Cecil L., Three Rivers, Calif. Reamer and honer for wrist pin bushings. 2,624,217, Jan. 6.

Clark, Charles A., Kanawha, Iowa. Box cover. 2,638,241, May 12.

Clark, Charles M., Clearwater, Fla. Safety pin. 2,633,617, Apr. 7.

Clark, Charles W., Toronto, Ontario, and B. H. Morrison, Noranda, Quebec, assignors to Noranda Mines Limited, Toronto, Ontario, Canada. Method and apparatus for separating and classifying substantially spherical bodies into different size groups. 2,662,641, Dec. 15.

Clark, Claude L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Steel for high-temperature use. 2,645,574, July 14.

Clark Controller Company, The, assignee: *See*—
Cortelli, John A.
Few, William, and Bundy.
Few, William, and Sauter.
Gauvreau, Alphonse P.

Clark & Courts Investment Company, assignee: *See*—
Kavanaugh, Floyd J.

Clark, Dalton H., Pontiac, Mich. Extrusion die for tubing. 2,638,213, May 12.

Clark, Donald L., assignor to Stromberg-Carlson Company, Rochester, N. Y. Erasing head for magnetic recording. 2,655,562, Oct. 13.

Clark, Earl T., Washington, D. C. Face lifting and hair curling device. 2,638,101, May 12.

Clark, Earl W., Stuart, Fla. Condiment dispenser. 2,656,075, Oct. 20.

Clark, Earnest H., Jr.: *See*—
Baker, John R., and Clark.

Clark, Edgar L. *See*—
Cody, William P., and Clark.

Clark, Edward B., Milford, Conn., assignor to General Electric Company. Floor outlet with switch interlock. 2,650,331, Aug. 25.

Clark, Edward B., Milford, and F. W. Fagal, Stratford, Conn., assignors to General Electric Company. Electrical outlet box. 2,625,288, Jan. 13.

Clark, Edward G., Silver Spring, Md. Holddown clamp. 2,637,226, May 5.

Clark, Edward R., Baldwin, assignor to Peabody Engineering Corporation, New York, N. Y. Fluid fuel burner. 2,632,501, Mar. 24.

Clark, Edward W.: *See*—
McAuley, David J., Richards, and Clark.

Clark Equipment Company, assignee: *See*—
Backofen, E. Ryan, Dunham, and Skellenger.
Backofen, E. Ryan, and Gunning.
Broersma, J. Charles.
Cook, Charles A.
Dunham, Elmer J.
Elliott, Morris R., and Turner.
Hawkins, Frederick E., Lapsley, and Turner.
Lapsley, Robert.
Lapsley, Robert, and Turner.
Marco, George P.
Randt, Le Roy W.

Clark Equipment Company, assignee: *See*—Continued.
Sherriff, Fred.
Turner, George L.
Turner, George L., and Lapsley.
Williams, Alfred O.

Clark, Eugene F., Damariscotta, Maine, assignor to Marshall Field & Company, Chicago, Ill. Loop pile fabric. 2,655,951, Oct. 20.

Clark, Ezekail L.: *See*—
Elliott, Martin A., Clark, and Storch.

Clark, Francis E.: *See*—
Brown, Keith E., Clark, and Jackson.

Clark, Francis R., Orange, and J. Aponovitch, East North Bergen, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Volumetric filling machine with weight control. 2,645,447, July 14.

Clark, Francis R., Orange, N. J., and C. J. West, Jr., Columbus, Ohio, assignors to 225 Enterprises Inc., Orange, N. J. Machine for preparing fuses. 2,660,845, Dec. 1.

Clark, Frederick G., assignor of one-half to W. Stevenson, Buffalo, N. Y. Magnetic driving implement. 2,624,223, Jan. 6.

Clark, Genevieve, assignee: *See*—
Kogl, Frank.

Clark, George R., and L. F. Miller, assignors to Eastman Kodak Company, Rochester, N. Y. Light-sensitive baryta-coated photographic paper. 2,642,362, June 16.

Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Organosilicon compositions. 2,628,242, Feb. 10.

Clark, Harold A., assignor to Dow Corning Corporation, Midland, Mich. Thermosetting organosiloxane resinous compositions and curing them with beta-hydroxyethyltrimethyl ammonium bicarbonate. 2,647,881, Aug. 4.

Clark, Harold L., Belmont, Mass. Dental mouth mirror. 2,627,206, Feb. 3.

Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,658,175, Nov. 3.

Clark, Harry S. and I. G., Lima, Ohio. Functional type house. 2,625,714, Jan. 20.

Clark, Herbert G., Bellevue, Wash. Battery operated lamp having anchoring means to position the lamp and hold the switch closed. 2,651,710, Sept. 8.

Clark, Hilliard F., Houston, Tex., assignor, by mesne assignments, to Halliburton Oil Well Cementing Company, Duncan, Okla. Cementing device. 2,633,201, Mar. 31.

Clark, Hubert M., Highland Park, Mich., and R. A. Dahlstrom, North Manchester, Ind., assignors to C. D. S. Syndicate, Wayne County, Mich. Garbage disposal device. 2,631,297, Mar. 17.

Clark, Hugh W., Troy, N. C. Creeper headrest. 2,652,576, Sept. 22.

Clark, Iva G.: *See*—
Clark, Harry S. and I. G.

Clark, James, Dayton, Ohio. Accelerometer. 2,643,869, June 30.

Clark, James D., Longview, Wash. Production of fibrous elements from woody material. 2,655,189, Oct. 13.

Clark, James H.: *See*—
Walz, Claude W., and Clark.

Clark, James K., New Hartford, N. Y., assignor to The Partlow Corporation. Nozzle burner. 2,627,308, Feb. 3.

Clark, James K., New Hartford, N. Y., assignor to The Partlow Corporation. Thermostatic control valve. 2,636,685, Apr. 28.

Clark, James L., Chicago, Ill., assignor to the United States of America as represented by the Secretary of War. Resonant line oscillator. 2,653,244, Sept. 22.

Clark, James R., Jr., and R. W. James, Pasadena, assignors to Loyola University Foundation, Los Angeles, Calif. Valve. 2,650,793, Sept. 1.

Clark, James T., assignee: *See*—
Schwenzfeier, Otto.

Clark, James W.: *See*—
Finlay, Alexander, and Clark.

Clark, Jared W., Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Production of vinyl fluoride. 2,626,963, Jan. 27.

Clark, John C., Marshall, Tex. Socket for plug-in type electric meters. 2,647,243, July 28.

Clark, John R.: *See*—
Oman, Carl, and Clark.
Walter, Lewis A., Barry, and Clark.

Clark, John R., Stratford, and C. Schultz, Milford, Conn., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Power boost control system with mechanical feel means therefor. 2,627,847, Feb. 10.

Clark, John T., Cicero, Ill. Spring structure. 2,638,896, May 19.

Clark, John T., Cicero, and O. J. Schommer, Melrose Park, Ill.; said Schommer assignor to said Clark. Electrical scoring game. 2,626,312, Jan. 20.

Clark, John W., Washington, D. C. Apparatus for treating carbonaceous material. 2,655,470, Oct. 13.

Clark, John W., and S. G. McNees, assignors to Collins Radio Company, Cedar Rapids, Iowa. Vacuum gauge of the ionization producing type. 2,639,397, May 19.

Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Hydraulic completion of wells. 2,642,142, June 16.

Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well cementing. 2,662,827, Dec. 15.
Clark, Joseph L., Brooklyn, N. Y., assignor to The Lufkin Rule Company, Saginaw, Mich. Detachable tape measure. 2,655,324, Oct. 13.
Clark, Joseph S., Sherwood Forest, Md. Dispenser for collapsible tubes having a slotted roller and a rounded edge cooperating therewith. 2,643,028, June 23.
Clark, Kendall: *See*—
McCormick, Francis H., and Clark.
Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Centrifugal washing machine. 2,625,809, Jan. 20.
Clark, Kendall, Oakwood, Ohio. Gun training mechanism. 2,640,395, June 2.
Clark, Kendall, Oakwood, Ohio, assignor to The Murray Corporation of America, Detroit, Mich. Washing machine. 2,655,804, Oct. 20.
Clark, Kenneth R., Milwaukee, Wis. Leaf pulverizer for rotary type lawn mowers. 2,663,984, Dec. 29.
Clark, Laurence E., Jr., and C. F. MacLagan, Bainbridge, assignors to The Borden Company, New York, N. Y. Adhesive composition comprising a urea-aldehyde resin and tetrahydrafurfuryl alcohol. 2,662,066, Dec. 8.
Clark, Lauriston E., and D. H. Kelly, assignors to Technicolor Motion Picture Corporation, Los Angeles, Calif. Apparatus and method for evaluation of photographic resolving power. 2,625,072, Jan. 13.
Clark, Lawrence A., Coalinga, Calif. Tire moving appliance. 2,655,341, Oct. 13.
Clark, Leverett M., Los Angeles, Calif., and S. H. Fillion, Scarsdale, assignors to Waugh Equipment Company, New York, N. Y. Draft gear. 2,649,973, Aug. 25.
Clark, Loris D., assignor to The Master Electric Company, Dayton, Ohio. Instantly reversible motor. 2,643,357, June 23.
Clark, Loris D., assignor, by mesne assignments, to Master Vibrator Company, Dayton, Ohio. Electrical control system for engine driven generator sets. 2,648,783, Aug. 11.
Clark Manufacturing Company, The, assignee: *See*—
Goff, William S.
Clark, Martha M., and R. E. Hansen, Eel Rock, Calif. Mileage indicating attachment for self-propelled vehicles. 2,657,285, Oct. 27.
Clark, Minnie M., assignee: *See*—
Kogl, Frank.
Clark, Morris E., Winslow, Ariz. Airplane wing construction with passage from upper surface to trailing edge. 2,661,167, Dec. 1.
Clark, Neil M.: *See*—
Albrecht, Henry P., Wilson, and Clark.
Clark, Nelson O., Winthrop, Mass. Transformer. 2,648,751, Aug. 11.
Clark, O'Connor T., Daytona Beach, Fla. Exercising device. 2,648,330, Aug. 11.
Clark, Paul B., Houston, Tex. Well pipe expander. 2,627,891, Feb. 10.
Clark, Philip R., Stroudsburg, Pa., assignor to McGraw Electric Company, Milwaukee, Wis. Light projector for airport lighting. 2,655,591, Oct. 13.
Clark, Ralph W., and J. C. Koonz, assignors to The Magnavox Company, Fort Wayne, Ind. Pressure switch. 2,636,093, Apr. 21.
Clark, Richard B., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,627,583, Feb. 3.
Clark, Robert A., Jr., Chicago, Ill. Communication system. Re. 23,751, Dec. 15.
Clark, Robert H., assignee: *See*
Wilson, Harry C.
Clark, Robert H., Solon, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,642,650, June 23.
Clark, Robert L., Woodbridge, and W. H. Jones, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Resolution process and compounds produced therein. 2,646,445, July 21.
Clark, Stephen J., Cheshire, Conn. Cosmetic container. 2,655,261, Oct. 13.
Clark, Theodore D., Cherokee, Iowa. Oil gauge rod wiper. 2,634,445, Apr. 14.
Clark, Thomas, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Means for preventing internal-combustion turbine units from icing. 2,625,010, Jan. 13.
Clark, Trevor H., Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electron switch control system. 2,654,049, Sept. 29.
Clark, Warren H., Glendale, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Combined power steering and shimmy dampening. 2,654,347, Oct. 6.
Clark, Warren H., Glendale, and T. H. Mead, Los Angeles, Calif., assignors to United Aircraft Products, Inc., Dayton, Ohio. Shimmy dampener. 2,651,385, Sept. 8.
Clark, William A., Detroit, Mich. Spring cushion structure for motor vehicles. 2,634,800, Apr. 14.
Clark, William A., Detroit, Mich. Spring structure. 2,638,153, May 12.
Clark, William A., Detroit, Mich. Cushion spring structure. 2,638,155, May 12.
Clark, William A., Detroit, Mich. Cushion spring structure. 2,662,588, Dec. 15.
Clark, William H., San Mateo, Calif. Combination beam and shoring clamp. 2,638,063, May 12.
Clarke, Allen S., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Arming device. 2,630,068, Mar. 3.
Clarke-Built Limited, assignee: *See*—
Goldsmith, Thomas L.
Clarke, Charles C., Grove City, assignor to Wheatland Tube Company, Wheatland, Pa. Production of iron oxide from ferrous solutions. 2,656,282, Oct. 20.
Clarke, Clarence M., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing machine. 2,656,627, Oct. 27.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,626,230, Jan. 20.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,626,231, Jan. 20.
Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent fractionation of wax-containing mixtures. 2,658,853, Nov. 10.
Clarke, Edgar W., Laurel Springs, N. J., R. B. Doan, Drexel Hill, and V. J. Keenan, Ardmore, assignors to The Atlantic Refining Company, Philadelphia, Pa. Plant defoliant. 2,658,826, Nov. 10.
Clarke, Edward L., Scranton, Pa. Combination storm window and screen. 2,650,661, Sept. 1.
Clarke, Eric D., Cleveland, Ohio. Artificial eye and attaching same. 2,634,423, Apr. 14.
Clarke, Forbes R., Jr.: *See*—
Von Stroh, Gerald F. H., and Clarke.
Clarke, Frank H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Filter plate screen clip. 2,663,431, Dec. 22.
Clarke & Gough Limited, assignee: *See*—
Gordon, Cecil, and Skidmore.
Clarke, Houghton W., Bronxville, assignor of ninety-nine per cent to Mealpack Corporation, Evanston, Ill. Dish. 2,656,946, Oct. 27.
Clarke, John S., Blacko, near Nelson, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel burner and combustion apparatus. 2,640,320, June 2.
Clarke, John S., and A. Huyton, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Combustion chamber for prime movers. 2,658,337, Nov. 10.
Clarke, Maurice G., Church Lawford, and H. L. Privett, Rugby, Warwick, England, assignors to General Electric Company. Integrally capacitively ballasted discharge lamp. 2,654,042, Sept. 29.
Clarke Sanding Machine Company, assignee: *See*—
Atkin, Kenneth C.
Petersen, William L.
Clarke, Stanley E.: *See*—
Misener, Richard E., Abbott, Clarke, and Woodruff.
Clarke, Walter J., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Housing for electrical circuit units. 2,636,073, Apr. 21.
Clarke, William C., Jr., Dundalk, Md., assignor to Armco Steel Corporation. Alloy steel. Re. 23,685, July 14.
Clarke, William W.: *See*—
Zademach, Erich R., and Clarke.
Clarkson, Alick, Itasca, assignor of one-half to Vapor Heating Corporation, Chicago, Ill. Proportioning control system. 2,644,641, July 7.
Clarkson, James: *See*—
Gunion, Lawrence G., and Clarkson.
Clarostat Mfg. Co., Inc., assignee: *See*—
Mucher, George J.
Clarridge, Ralph E., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for controlling a process. 2,638,919, May 19.
Clary, George H., Belle Fourche, S. Dak., assignor, by mesne assignments, to St. Regis Paper Company, New York, N. Y. Bag closing apparatus. 2,637,153, May 5.
Clary, Joseph F., Glencoe, Ill., assignor to The Budd Company, Philadelphia, Pa. Double-deck railway passenger car. 2,636,452, Apr. 28.
Clary, Joseph F., Glencoe, Ill., assignor to The Budd Company, Philadelphia, Pa. Double-deck railway passenger car with increased seating capacity. 2,636,454, Apr. 28.
Clary, Joseph F., Glencoe, Ill., assignor to The Budd Company, Philadelphia, Pa. Self-propelled railway car with operator's cab. 2,662,488, Dec. 15.
Clary Multiplier Corporation, assignee: *See*—
Boyden, Robert E.
Christoff, Chris A.
Drake, Edward P., and Mark.
Golemon, Valia S.
Oldenburg, Kenneth F., and Schwend.
Parsons, Wharton A., and Busch.
Stowell, Clifford P., Drake, and Humphrey.
Clary, Patrick T., Carnegie, Pa. Coffee roaster. 2,639,133, May 19.
Clasen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,652,002, Sept. 15.
Clatfelter, Homer C., New Smyrna Beach, Fla. Toolholder. 2,634,646, Apr. 14.

Claude, André, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz & Silva, Paris, France. Circuit for electric discharge apparatus. 2,644,108, June 30.
Claude, André, Paris, France. Device for the ignition and the operation of a gas filled electric discharge apparatus. 2,659,037, Nov. 10.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood latch. 2,641,017, June 9.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood latch. 2,654,116, Oct. 6.
Claughsey, Charles F., West Hartford, Conn., assignor to Emhart Manufacturing Company. Apparatus for forming glassware. 2,637,944, May 12.
Claus, William H., Downers Grove, Ill., assignor to Westinghouse Air Brake Company. Apparatus for controlling highway crossing signals. 2,647,988, Aug. 4.
Clausen, Henry W., Charlotte, N. C. Bubble forming device. 2,631,404, Mar. 17.
Clausen, Howard F.: *See*—
Walz, Claude W., and Clausen.
Clauser, Herbert C., and R. S. Long, assignors, by mesne assignments, to Kilgore Inc., Westerville, Ohio. Producing fusee compositions. 2,640,771, June 2.
Clauser, Herbert C., and R. S. Long, assignors, by mesne assignments, to Kilgore, Inc., Westerville, Ohio. Pyrotechnic device. 2,643,610, June 30.
Clauser, Herbert C., and R. S. Long, assignors, by mesne assignments, to Kilgore Inc., Westerville, Ohio. Flare composition. 2,651,567, Sept. 8.
Clauser, Raymond M., and P. A. Petersen, Fort Worth, Tex. Tube type boiler for steamships. 2,658,988, Nov. 10.
Clausing, Henry G., assignor to Vulcan Corporation, Portsmouth, Ohio. Shoe last. 2,641,783, June 16.
Clauss, Herman E., Affton, Mo. Adjustable jaw for clamping fixtures on workbenches. 2,652,080, Sept. 15.
Clauss, Robert W., assignor to Breakstone Bros., Inc., New York, N. Y. Transferring device for butter bars and similar products. 2,634,852, Apr. 14.
Clauss, Robert W., New York, N. Y. Pinticket manufacturing and attaching machine. 2,650,538, Sept. 1.
Claussen, Richard A.: *See*—
Riel, Robert R., and Claussen.
Claver, George C., Jr., South Hadley, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Light stable polymers stabilized with amine oxides. 2,628,951, Feb. 17.
Clavier, André G., assignor to International Standard Electric Corporation, New York, N. Y. Beam traveling wave amplifier tube. 2,654,047, Sept. 29.
Clavier, André G., and E. C. de Faymoreau, assignors to International Standard Electric Corporation, New York, N. Y. Traveling wave amplifier. 2,651,686, Sept. 8.
Clavier, André G., Nutley, N. J., and D. L. Thomas, Lee, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Phase changer. 2,663,847, Dec. 22.
Clawsey, Eva and J. D., New York, N. Y. Dress form. 2,646,907, July 28.
Clawsey, John D.: *See*—
Clawsey, Eva and J. D.
Clawson Machine Company, assignee: *See*—
Clawson, Robert R.
Clawson, Robert T., assignor to Clawson Machine Company, Flagtown, N. J. Icebreaker mill with roll and adjustable breaker plate. 2,643,065, June 23.
Clay, Henry J., attorney, assignee: *See*—
Sparano, Ottorino.
Clay, Jacob, heir: *See*—
Clay, Pieter H.
Clay, James A., Jr., Fort Worth, Tex. Mechanical apparatus to inject fluids into wells in batches. 2,637,469, May 5.
Clay, John P., and H. B. Elkins, U. S. Army, assignors to the United States of America as represented by the Secretary of War. Smoke agent. 2,658,874, Nov. 10.
Clay, John W., Winston-Salem, N. C., assignor to American Type Founders, Inc. Sheet delivery mechanism. 2,654,604, Oct. 6.
Clay, Murray G., Chicago, Ill. Apparatus for producing healthful sleep. 2,637,322, May 5.
Clay, Pieter H.: *See*—
Van Heeckeren, Willem J., and Clay.
Clay, Pieter H., deceased, late of Eindhoven, Netherlands, by J. Clay, T. C. Clay-Jolles, and P. Van Osselen-Clay, joint heirs, Amsterdam, Netherlands, J. D. Heijligers, administrator of said P. H. Clay, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas motor with means for regulating the indicated power thereof. 2,643,508, June 30.
Clay-Jolles, Tettje C., heir: *See*—
Clay, Pieter H.
Clayson, Kenneth D., Butztown, Pa. Self-releasing nut starter. 2,664,021, Dec. 29.
Clayton, Alfred B., and T. O. Hale, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Machine for splicing rubber articles. 2,660,216, Nov. 24.
Clayton, Benjamin, assignee: *See*—
Mattikow, Morris.
Clayton, Benjamin, Pasadena, Calif., assignor, by mesne assignments, to B. Clayton, doing business as Refining, Unincorporated. Purification of glyceride oils. Re. 23,680, July 7.
Clayton, Benjamin, Pasadena, Calif. Refining of glyceride oils. 2,641,603, June 9.
Clayton, David P.: *See*—
Falge, Robert N., and Clayton.
Clayton Dewandre Company Limited, assignee: *See*—
Edge, Stanley H.
Clayton, Erith T., assignor, by mesne assignments, to The Tainton Company, Baltimore, Md. Bright metal plating. 2,640,001, May 26.
Clayton, Erith T., assignor to The Tainton Company, Baltimore, Md. Cladding metal. 2,640,002, May 26.
Clayton, Everett H. W., Long Island City, N. Y. Bass drum with rhythm beaters and pedal. 2,658,421, Nov. 10.
Clayton, Jewell F., and H. Lewis, Van Alstyne, Tex. Auger. 2,634,104, Apr. 7.
Clayton, Joseph F.: *See*—
Greenfield, Alexander, and Clayton.
Clayton, Joseph F., assignor to Bendix Aviation Corporation, Detroit, Mich. Pulse generator. 2,659,019, Nov. 10.
Clayton & Lambert Manufacturing Company, assignee: *See*—
Edel, Walter L.
Clayton Manufacturing Company, assignee: *See*—
Arant, Perry.
Cline, Edwin L.
Griswold, Donald G.
Cleal, Lyle M., Montgomery, Ala. Garden marker. 2,625,760, Jan. 20.
Cleaners Hanger Company, assignee: *See*—
Simmons, Harry M. and R. M.
Clearasite Corporation of America, Inc., assignee: *See*—
Tannenbaum, Morris L.
Clearing Machine Corporation, assignee: *See*—
Glasner, Rudolph W.
Johansen, Einer K.
Morey, Carl.
Schultz, Alfred W.
Zimmerman, Louis.
Cleaver, Arthur V.: *See*—
Halford, Frank B., and Cleaver.
Halford, Frank B., Cleaver, and Dove.
Cleaver, Richard F.: *See*—
Earp, Charles W., and Cleaver.
Cleaver, Richard F., and T. D. Gray, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric signal modulator. 2,640,973, June 2.
Cleever, John W.: *See*—
Glynn, Thomas, and Cleever.
Clegg, Douglas, and L. E. Jenssen, Calistoga, Calif.; said Jenssen assignor to said Clegg. Telemetering mechanism for chart recorders. 2,662,212, Dec. 8.
Clegg, John E., Malvern, assignor to National Research Development Corporation, London, England. Terrain clearance indicator. 2,641,754, June 9.
Cleland, James E.: *See*—
Longenecker, Joseph B., and Cleland.
Cleland, James E., and J. B. Longnecker, Granite City, Ill., assignors to Union Starch & Refining Company, Columbus, Ind. Isolating caramel coloring compounds. 2,637,655, May 5.
Cleland, James E., Granite City, Ill., H. W. Curry, St. Louis, Mo., and A. L. Meyer, Granite City, Ill., assignors to Union Starch & Refining Company, Columbus, Ind. Producing a caramel color of high tinctorial power in the form of solid particles or a dry powder. 2,651,577, Sept. 8.
Clemence, Le Roy W., Highland Park, assignor to Abbott Laboratories, North Chicago, Ill. Therapeutic antimony compounds. 2,629,724, Feb. 24.
Clemens, Edwin S., New Orleans, La. Means for brewing beverages and the like. 2,641,992, June 16.
Clemens, George S., Evanston, assignor, by mesne assignments, to National Dryer Manufacturing Corporation, Chicago, Ill. Drier. 2,634,514, Apr. 14.
Clemens, George S., Evanston, assignor to National Dryer Manufacturing Corporation, Chicago, Ill. Forced air drier. 2,646,629, July 28.
Clemens, George S., Evanston, assignor to National Dryer Manufacturing Corporation, Chicago, Ill. Heater assembly for electric driers. 2,651,705, Sept. 8.
Clemens, Ogden A., and R. O. Mertens, Chicago, and M. Walckhof, Villa Park, assignors to Swift & Company, Chicago, Ill. Chitterling preparing machine. 2,641,020, June 9.
Clement, Clyde H., Phoenix, Ariz. Cement tamping machine. 2,633,782, Apr. 7.
Clement, Ernest C., Oak Park, Ill., assignor, by mesne assignments, to United States Automatic Box Machinery Company, Inc., Boston, Mass. Counting and dispensing machine. 2,661,133, Dec. 1.
Clement, Ernest C., assignor to Mars, Incorporated, Chicago, Ill. Candy slicing machine. 2,661,707, Dec. 8.
Clément, Paul G., Paris, France. Heat insulating body structure for isothermal and/or refrigerator vehicles. 2,657,088, Oct. 27.

Clements, Clarence J., Jr., Silver Spring, assignor to Engineering and Research Corporation, Riverdale, Md. Variable drive potentiometer. 2,632,076, Mar. 17.

Clements, Desmond R., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Synchronizing signal separator. 2,640,103, May 26.

Clements, Henry, assignor to Andre Rubber Company Limited, Surbiton, England. Rubber roller. 2,658,262, Nov. 10.

Clements, Howard E., Webster Groves, assignor to James R. Kearney Corporation, St. Louis, Mo. Insulator combined with live line links. 2,640,867, June 2.

Clements, MacMillan, Bethel, Conn. Structural panel. 2,629,140, Feb. 24.

Clements, MacMillan, Bethel, Conn. Container or clothes locker. 2,640,616, June 2.

Clements, MacMillan, Bethel, Conn. Roof structure. 2,655,878, Oct. 20.

Clements, MacMillan, Bethel, Conn. Thermally insulated building structures, including panels. 2,662,043, Dec. 8.

Clements, MacMillan, Fairfield, Conn. Nesting bowls and supporting means therefor. 2,625,274, Jan. 13.

Clements, Norman T., Pittsburgh, Pa. Structural building unit. 2,644,327, July 7.

Clements, Pruitte L., Pauls Valley, Okla. Automatic pump. 2,633,801, Apr. 7.

Clemons, Dale R., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing electrostatic condensers. 2,651,101, Sept. 8.

Clemson Agricultural College of South Carolina, assignee: *See*—
Brown, Hugh M.
Park, Joseph K., and Powers.
Van Blaricom, Lester Oscar, and Martin.

Clemson Brothers, Inc., assignee: *See*—
Clemson, Richard D.

Clemson, Richard D., assignor to Clemson Brothers, Inc., Middletown, N. Y. Lawn mower construction. 2,624,168, Jan. 6.

Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Reel mower. 2,660,018, Nov. 24.

Clendenin, Burl, Seth, W. Va. Permanent picket fence. 2,659,578, Nov. 17.

Clendenin, Edward H., Plainfield, and W. A. Wurth, Cranford, N. J., assignors to Standard Oil Development Company. Inhibiting corrosion in storage vessels. 2,634,223, Apr. 7.

Clentimack, George E., Plainville, assignor to Whitin Machine Works, Whitinsville, Mass. Positive and constant-tension web letoff mechanism for textile machines. 2,654,236, Oct. 6.

Clerc, Jean, Detroit, Mich. Combined gift box and greeting card carrier. 2,655,260, Oct. 13.

Clerc, Leonard F., Detroit, Mich. Combined refrigerating compressor and oil separator. 2,634,904, Apr. 14.

Clerc, Leonard F., Detroit, Mich. Convertible bed. 2,652,573, Sept. 22.

Clerk, Edouard, St. Hilaire, Quebec, Canada. Joint between metal members. 2,632,535, Mar. 24.

Clerk, Robert C.: *See*—
Best, Donald M. C., and Clerk.

Cletus, Carl A., and O. G. Anderson, San Diego, Calif. Concrete floor compactor. 2,641,975, June 16.

Cleveland, Allen E., Detroit, Mich., assignor to Perfection Stove Company, Cleveland, Ohio. Electrical control means for liquid fuel burning apparatus. 2,652,106, Sept. 15.

Cleveland Automatic Machine Company, The, assignee: *See*—
Jelinek, Alfred F.
Jelinek, Alfred F., and Gross.

Cleveland Brass Manufacturing Company, The, assignee: *See*—
Exton, Fred W.

Cleveland Clinic Foundation, The, assignee: *See*—
Jardon, Fritz W., and Ruedemann.

Cleveland Crane & Engineering Company, The, assignee: *See*—
Anjeskey, Alphonse F.
Dehn, Roy F.
Wehr, William G.

Cleveland, Donald M., Geneva, N. Y., assignor, by mesne assignments, to Sundstrand Machine Tool Co., Rockford, Ill. Work holder. Re. 23,732, Nov. 10.

Cleveland Electrical Equipment Co. Inc., assignee: *See*—
Hunsdorf, William P.

Cleveland, Elonza A.: *See*—
Couch, Dean H., and Cleveland.

Cleveland Frog & Crossing Co., assignee: *See*—
Arnold, George, Schultz, and Rhoads.

Cleveland Fuel Equipment Company, assignee: *See*—
Stein, Richard R.

Cleveland, Henry D., New York, N. Y. Apparatus for loading truck trailers on ships. 2,637,453, May 5.

Cleveland Hobbing Machine Company, The, assignee: *See*—
Staples, Otis E.
Staples, Otis E., and Bent.

Cleveland Instrument Company, assignee: *See*—
Graham, Erwin W.
Graham, Erwin W., and Mintel.

Cleveland Pneumatic Tool Company, The, assignee: *See*—
Greenough, Raymond E.
Hamlin, Vinton L.
Jacubenta, Joseph.
Lindow, Arthur L.
Lura, Loren E.
Smith, Ira D.

Cleveland Research Corporation, The, assignee: *See*—
Swenson, Paul F., and Pravda.

Cleveland Rug Cleaning Machinery Co., assignee: *See*—
Jones, Kenneth C., and Collins.

Cleveland Steel Products Corporation, assignee: *See*—
Smith, William J., and Slaght.

Cleveland Trencher Company, The, assignee: *See*—
Askue, Albert R.

Cleveland Trust Company, The, executor: *See*—
Heintz, James C.

Cleveland Trust Company, The, trustee, assignee: *See*—
Kinkead, Robert E.

Cleveland Twist Drill Company, The, assignee: *See*—
Emmons, Joseph V.

Cleveland Universal Jig Company, The, assignee: *See*—
Verderber, Joseph.

Cleveland Welding Company, The, assignee: *See*—
Janosek, Charles J.
Mueller, Homer L.

Cleveland Wire Spring Company, assignee: *See*—
Sjolander, John L.

Clevenger, Carl L.: *See*—
Fletcher, William A., and Clevenger.
Nichols, Charles A., Clevenger, Zion, and Fletcher.

Clevenger, Galen H., Newtonville, Mass., and L. A. Creglow, Salt Lake, Utah. Pouring apparatus for filtering operations. 2,644,743, July 7.

Clevenger, Oliver L., and W. A. McElhannon, Baytown, and W. W. Jones, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Flare stack, pilot burner, and pilot igniter. 2,661,798, Dec. 8.

Clever, William R., and H. O. Phalin, Port Allegany, Pa., assignors to Pittsburgh Corning Corporation. Producing welded double glazed units. 2,624,979, Jan. 13.

Clevite Corporation, assignee: *See*—
Baerwald, Hans G.
Begun, Semi J.
Harsant, Henry J., and Deucher.
Jaffe, Hans.
McKinley, John M., Phillips, Siciliano, and McNeice.
Mumper, James E.

Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Automatic mapping system. 2,649,781, Aug. 25.

Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Thermoacoustic gas analyzer. 2,653,471, Sept. 29.

Clewell, Dayton H., and C. F. Rust, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Barometric measurement of elevation. 2,639,615, May 26.

Clewell, William H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Door closing device. 2,640,609, June 2.

Cliborn, Robert, Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Seal. 2,662,480, Dec. 15.

Cliffe, John O.: *See*—
Mathews, John B., Evans, Hutton, and Cliffe.

Clifford, Thomas W., and J. Mills, assignors to Taylor, Taylor & Hobson Limited, Leicester, England. Folding roll film camera. 2,659,283, Nov. 17.

Cliffside Dyeing Corp., assignee: *See*—
Bernegger, Rolf.

Clift, William C., Philadelphia, Pa. Elevator door operator mechanism. 2,633,932, Apr. 7.

Clifton Conduit Company, Inc., assignee: *See*—
Pearson, William S.

Clifton, Edward D., Sr., San Antonio, Tex. Flexible flush tank ball shaft. 2,625,691, Jan. 20.

Clifton, John R.: *See*—
Strayer, Chalmers A., and Clifton.

Clifton, John R., Rolling Hills, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Servo valve bypass. 2,648,313, Aug. 11.

Clikpleet, Inc., assignee: *See*—
Terry, Mildred B.

Climax Molybdenum Company, assignee: *See*—
Leavenworth, Edgar K.

Climax Uranium Company, assignee: *See*—
Burwell, Blair.

Cline, Earl E.: *See*—
Mueller, Lucien W. and F. H., and Cline.
Mueller, Robert H., and Cline.

Cline, Edward T., and H. B. Stevenson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol fibers and treating. 2,636,803, Apr. 28.

Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Apparatus and method for controlling dynamometers, etc. 2,634,830, Apr. 14.

Cline, Erving H., Stoughton, Mass. Cable adjusting device. 2,648,109, Aug. 11.

Cline, Harold A., assignor to Emarco Corporation, Dayton, Ohio. Airport runway marker light. 2,639,366, May 19.

Cline, John L., Portland, Oreg. Gun swivel. 2,642,689, June 23.

Cline, Murtha K., Moscow, Idaho. Duplicate bridge pad. 2,633,361, Mar. 31.

Cline, Roscoe A., and A. Doci, assignors of one-third to L. F. Workman, Lorado, W. Va. Car loading apparatus. 2,634,871, Apr. 14.

Cline, Warren K.: *See*—
Ter Horst, William P., and Cline.

Cline, William H., Jr., assignor to Hughes Tool Company, Houston, Tex. Hydraulic impact tool. 2,662,505, Dec. 15.

Clinedinst, William O.: *See*—
Dunn, Jerry J., and Clinedinst.

Clingan, Irvine C., assignor to Eastern Stainless Steel Corporation, Baltimore, Md. Oxide removing bath. 2,655,481, Oct. 13.

Clingan, John R. T., Niles, Ohio. Holding means for wheeled vehicles. 2,634,690, Apr. 14.

Clingman, Paul E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Crash panel for vehicles. 2,624,596, Jan. 6.

Clingman, William H., Grand Rapids, Mich., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Radio-phonograph combination receiver cabinet construction. 2,631,077, Mar. 10.

Clinton Foods Inc., assignee: *See*—
Skinner, Bronson C.

Clinton, Raymond O., North Greenbush, assignor to Sterling Drug Inc., New York, N. Y. 4-(tertiary-aminoalkanoylamina)-2-alkoxybenzoic acid derivatives and their preparation. 2,657,210, Oct. 27.

Clinton, Raymond O., Rensselaer, assignor to Sterling Drug Inc., New York, N. Y. Tertiary-aminoalkyl derivatives of coumarilic acids and their preparation. 2,652,399, Sept. 15.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Nitrobenzisoxazoles. 2,626,260, Jan. 20.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Nitrotertiaryaminobenzonitriles. 2,626,261, Jan. 20.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Tertiary-aminoalkyl 4-substituted-2-(tertiary-aminoalkoxy) benzoates and their synthesis. 2,642,429, June 16.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Lower alkyl 4-substituted-2-(tertiary-aminoalkoxy) benzoates and their preparation. 2,642,432, June 16.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Quaternary ammonium salts of lower alkyl 4-substituted-2-(tertiary-aminoalkoxy) benzoates and their preparation. 2,642,434, June 16.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Quaternary ammonium salts of tertiary-aminoalkyl 4-substituted-2-(tertiary-aminoalkoxy) benzoates and their preparation. 2,642,435, June 16.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. 4-substituted-2-(tertiary-aminoalkoxy)-benzonitriles and their preparation. 2,642,436, June 16.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Quaternary ammonium salts of 4-substituted-2-(tertiary-aminoalkoxy) benzonitriles and their preparation. 2,642,437, June 16.

Clinton, Raymond O., Rensselaer, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Tertiary-aminoalkyl 4-alkylamino-2-alkoxy-benzoates and their synthesis. 2,657,209, Oct. 27.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Tertiary-aminoalkyl 4-amino-2-benzyloxy-benzoates and debenzylation thereof. 2,662,888, Dec. 15.

Clinton, Raymond O., North Greenbush, and S. C. Laskowski, Menands, assignors to Sterling Drug Inc., New York, N. Y. Tertiary-aminoalkyl 4-alkylamino-2-benzyloxybenzoates and debenzylation thereof. 2,662,889, Dec. 15.

Clintsman, De Witt C., Watertown, N. Y. Differential resistor. 2,650,507, Sept. 1.

Clintsman, De Witt C., Watertown, N. Y. Automatic infinitely variable power transmission. 2,655,056, Oct. 13.

Clippinger, Stewart M., East Orange, N. J., assignor to The Sperry Corporation. Pressure regulating and selecting system for aircraft instruments. 2,641,274, June 9.

Clogston, Albert M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Cavity resonator tuning device. 2,630,488, Mar. 3.

Clogston, Albert M., Melrose, Mass., assignor [illegible] assignments, to the United States of Amer[illegible] resented by the Secretary of War. Self-modu[illegible] netron. 2,624,863, Jan. 6.

Clogston, Albert M., Melrose, Mass., assignor, b[illegible] signments, to the United States of Americ[illegible] sented by the Secretary of War. Strapped [illegible] 2,635,209, Apr. 14.

Clogston, Albert M., Melrose, and W. V. Smith[illegible] Mass., assignors, by mesne assignments, to [illegible] States of America as represented by the S[illegible] War. Tunable magnetron circuit. 2,659,02[illegible]

Clokey, John W., Pittsburgh, and E. M. [illegible] Jeannette, assignors to Westinghouse Electr[illegible] tion, East Pittsburgh, Pa. Commutator con[illegible] dynamoelectric machines. 2,660,682, Nov. 24

Clopay Corporation, The, assignee: *See*—
Hyde, Robert W.

Closkin, Léon A. A. J.: *See*—
Warmoes, Jean J., and Closkin.

Closs, George F.: *See*—
Jones, Leo F., and Closs.

Closson, Rex D.: *See*—
Ligett, Waldo B., Closson, and Wolf.
Ligett, Waldo B., Wolf, and Closson.

Cloud, Donald E. and W. S., Wilmette, Ill., [illegible] Cloud assignor to said W. S. Cloud. Metho[illegible] paratus for depositing a weighed fill in a [illegible] 2,659,562, Nov. 17.

Cloud, Jerry L., and N. Marchand, assignors, [illegible] assignments, to Technicon Cardiograph C[illegible] New York, N. Y. Method of and means for [illegible] phenomena by means of standing waves. [illegible] Jan. 13.

Cloud, Raymond T., assignor to North Amer[illegible] physical Co., Houston, Tex. Method of and [illegible] for pendulum compensating. 2,659,985, No[illegible]

Cloud, Raymond T., assignor to North Amer[illegible] physical Co., Houston, Tex. Pendulum and a[illegible] compensation system. 2,663,088, Dec. 22.

Cloud, William S.: *See*—
Cloud, Donald E. and W. S.

Cloud, William S., Wilmette, Ill. Enclosing [illegible] tubular wrappers. 2,643,496, June 30.

Cloud, William S., Wilmette, Ill. Method and [illegible] for the manufacture of candy. 2,648,297, Au[illegible]

Cloud, William S., Wilmette, Ill. Apparatus f[illegible] stiffened wrappers. 2,649,035, Aug. 18.

Cloudsley, John L., Radnage, England. Fluid p[illegible] lieving apparatus. 2,640,564, June 2.

Clough, Carroll C., Seattle, Wash. Remote-con[illegible] anism for tank trucks. 2,656,732, Oct. 27.

Clough, Chauncey C.: *See*—
Clough, Jerome L. and C. C.

Clough, Jerome L., Milwaukee, Wis. Reel rever[illegible] 2,646,229, July 21.

Clough, Jerome L. and C. C., Milwaukee, Wis. [illegible] selection control for drum-type storage files. [illegible] Nov. 10.

Clough, Newsome H., Brentwood, assignor to [illegible] Wireless Telegraph Company Limited, London [illegible] Aerial system. 2,659,819, Nov. 17.

Clough, Philip J.: *See*—
Chadsey, Earl E., Jr., Clough, and Godle[illegible]
Godley, Philip, 2nd, and Clough.

Clouse, Easten R., Highland, Ind., and R. C. [illegible] Homewood, Ill., assignors to Sinclair Refining [illegible] New York, N. Y. Coking in a fluidi[illegible] 2,624,697, Jan. 6.

Cloutier, Robert, assignee: *See*—
Richard, Alphonse.

Clover, Grace M., San Jose, Calif. Coat[illegible] 2,643,037, June 23.

Clover, Leonard W., San Jose, Calif. Valve. [illegible] Jan. 20.

Cloverleaf-Freeland Corporation, assignee: *See*—
Burlein, Lester F.
Miller, William H.

Clower, Patrick A., Alice, Tex. Retractile tray [illegible] mobile instrument panels. 2,626,194, Jan.

Clowes, William, & Sons Limited, assignee: *See*—
Croucher, Henry G.

Cluett, Peabody & Co., Inc., assignee: *See*—
Cluett, Sanford L.
Fetscher, Charles.
Ransom, John B.

Cluett, Sanford L., assignor to Cluett, Peabody & [illegible] Troy, N. Y. Modified paper and its ma[illegible] 2,624,245, Jan. 6.

Cluphf, Harlan E., assignor to Harjeroy E[illegible] Petroleum Products Sales Co., Denver, Colo[illegible] absorbing check valve for hydraulic systems. [illegible] June 23.

Clurman, Stanley P., Brooklyn, N. Y., assigno[illegible] Sperry Corporation. Locking and resetting r[illegible] gyroscopes. 2,651,205, Sept. 8.

Cluskey, James E.: *See*—
Davis, Howard A., Wolff, and Cluskey.

Clutsom & Kemp Limited, assignee: *See*—
Hazelton, George.

Clybourn Machine Corporation, assignee: *See*—
Harker, Charles B.

Clyde Drilling and Prospecting Equipment Company Limited, assignee: *See*—
Lanchester, George H.
Clyde Engineering and Manufacturing Corporation, assignee: *See*—
Pedersen, Harry C.
Clyde Fabrics, Inc., assignee: *See*—
Reinhardt, Robert C., and Hefner.
Clyde Iron Works, Inc., assignee: *See*—
Fox, Robert P.
Fox, Robert P., and Berby.
Clyde, John A., Ellwood City, Pa., assignor to United States Steel Corporation. Collapsible boring tool. 2,661,639, Dec. 8.
Clyne, Joseph, Bronx, N. Y., assignor, by mesne assignments, to Flexsleev, Inc. Underarm sleeve construction. 2,650,364, Sept. 1.
Clyne, Joseph N., assignor, by mesne assignments, to Grinding and Polishing Machinery Corporation, Indianapolis, Ind. Buffing machine. 2,637,147, May 5.
Clyne, Robert E., Monroe Township, Miami County, Ohio. Flying target. 2,630,321, Mar. 3.
Coach & Car Equipment Corporation, assignee: *See*—
Gundersen, Ralph W.
Coad, Frederic J., deceased, by Mrs. F. J. Coad, administratrix, Des Moines, Iowa, assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Skinning machine. 2,642,619, June 23.
Coad, Mrs. Frederic J., administratrix: *See*—
Coad, Frederic J.
Coales, John F., Radlett, W. S. Elliott, Boreham Wood, N. D. Hill, Watford, S. E. Hersom, Thorpe Bay, and J. Tindale, Edgware, England. Data transmission system for digital calculating machines or the like. 2,659,072, Nov. 10.
Coalite and Chemical Products Limited, assignee: *See*—
Buist, Colin.
Coan, Martin: *See*—
Herzig, Leonard A., and Coan.
Coar, Richard J., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic control system for feedback turbines. 2,656,675, Oct. 27.
Coast Metals, Inc., assignee: *See*—
Cape, Arthur T.
Coast Oil Tool Corporation, assignee: *See*—
Haddock, John L.
Coast Wire Company, assignee: *See*—
Schulze, Kurt E.
Coates, Albert O., assignee: *See*—
Seymour, Wilfred E.
Coates, Archibald, assignor to The Chloride Electrical Storage Company Limited, Manchester, England. Filling and venting means for electric batteries. 2,662,108, Dec. 8.
Coates, Clyde E., and A. L. Williams, assignors to Federal Machine & Welder Company, Warren, Ohio. Seam-welding apparatus. 2,646,491, July 21.
Coates, Clyde E., and A. L. Williams, assignors to Federal Machine & Welder Company, Warren, Ohio. Apparatus for producing tubular members. 2,647,193, July 28.
Coates, Henry T., Clinton, assignor to Monitor Process Corporation, Jersey City, N. J. Self-measuring milk dispenser. 2,647,719, Aug. 4.
Coates, Norman, executor: *See*—
Gilbert, Charles E.
Coates, Vincent J., South Norwalk, assignor to The Perkin-Elmer Corporation, Norwalk, Conn. Differential knob device. 2,658,395, Nov. 10.
Coats & Clark Inc., assignee: *See*—
Allen, Nora J.
Morin, Louis H.
Coats, Hal B., Edgewood, assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Desolventizer vapor recovery system. 2,663,089, Dec. 22.
Coats, J. & P., Limited, assignee: *See*—
Kitzrow, Herbert.
Coats, Jesse C., Pocatello, Idaho. Ellipsograph. 2,646,623, July 28.
Cobb, Clifton A., University City, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Temperature responsive control. 2,640,313, June 2.
Cobb, Harold E., Aurora, and W. C. Furnas, assignors to Furnas Electric Company, Batavia, Ill. Magnetic switch. 2,649,521, Aug. 18.
Cobb, John C., Houston, Tex. Rod elevator. 2,636,769, Apr. 28.
Cobb, Leland D., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Demountable seal. 2,655,393, Oct. 13.
Cobb, Leland D., Forestville, Conn., assignor to General Motors Corporation, Detroit, Mich. Demountable closure. 2,659,617, Nov. 17.
Cobb, Margaret L., Southport, Maine. Bedclothes support. 2,642,589, June 23.
Cobb, Milton L., Kansas City, Mo. Scissors with removable blade sections. 2,660,788, Dec. 1.
Cobb, Neal L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for testing characteristics of gear cutters, gears, and the like. 2,659,158, Nov. 17.
Cobb, William F., Utica, N. Y. Shotgun choke. 2,656,638, Oct. 27.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Rotary hydraulic pump. 2,625,109, Jan. 13.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid-operated pump with tandem booster pumps. 2,628,562, Feb. 17.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Method of and apparatus for hydraulic pumping. 2,637,276, May 5.
Coberly, Clarence J., Los Angeles, assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid operated pump control. 2,638,115, May 12.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid-operated pump with single-acting direct-connected booster pump. 2,643,612, June 30.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Flow metering device. 2,658,522, Nov. 10.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid-operated pump with pneumatic shock absorber. 2,664,049, Dec. 29.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Hydraulic pumping system and by-pass valve therefor. 2,664,102, Dec. 29.
Coberly, Clarence J., Pasadena, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Fluid-operated pump with double-acting direct-connected booster pump. 2,628,563, Feb. 17.
Cobi, Walter H., New York, N. Y. Expandible core for driving molds for concrete piles. 2,625,015, Jan. 13.
Cobine, James D., Schenectady, N. Y., assignor to the United States of America as represented by the Secretary of War. Gas discharge tube. 2,639,409, May 19.
Cobine, James D., Schenectady, N. Y., assignor to General Electric Company Electrode. 2,640,135, May 26.
Cobine, James D., Schenectady, N. Y., and C. J. Gallagher, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Gas discharge tubes. 2,624,867, Jan. 6.
Coblentz, Charles W., Alexandria, Va. Control device for refrigeration system. 2,651,691, Sept. 8.
Coblentz, Robert C., Erie, Pa. Compressed air system having a cooling means. 2,632,315, Mar. 24.
Coca-Cola Bottling Works Co., The, assignee: *See*—
Mashburn, William O., Jr., Broetzler, and Kinnaird.
Cochin, John D., San Francisco, Calif. Vehicle axle supporting device. 2,654,444, Oct. 6.
Cochran, George B., Sutherland, Nebr. Adjustable automobile seat. 2,642,120, June 16.
Cochran, John F., and J. I. Middleton, Long Beach, Calif., and N. D. Jaques, Lafayette, La. Insert for drilling strings. 2,657,907, Nov. 3.
Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazelton, Pa. Molded rubber bushing for yarn twisting spindle mechanisms. 2,635,019, Apr. 14.
Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazleton, Pa. Winding textile yarns. 2,635,820, Apr. 21.
Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazelton, Pa. Adjustable loom beam. 2,641,421, June 9.
Cochran, William C. *See*—
Mason, Ralph B., and Cochran.
Cochran, William C., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brightening aluminum. 2,650,157, Aug. 25.
Cochran, William J., Cheyenne, Wyo. Windshield wiper deicer. 2,662,154, Dec. 8.
Cochrane, Andrew R., trustee, assignee: *See*—
Field, Lloyd M.
Cochrane, Arthur L., Powell River, British Columbia, Canada. Bearing sealing assembly. 2,637,573, May 5.
Cochrane Corporation, assignee: *See*—
Razek, Joseph.
Cochrane, Harry G., Ottawa, and S. W. Kirby, Larned, Kans. Excavator having means for forming polygonal holes. 2,624,548, Jan. 6.
Cochrane, Richard M.: *See*—
Tapp, Harry F., and Cochrane.
Cochrane, Robert J., assignor of fifty per cent to T. E. Wolfrom, Redlands, Calif. Float switch. 2,663,772, Dec. 22.
Cochrane, Stanley, Rose Lake, and A. R. Carpenter, Cataldo, assignors of one-third to A. E. Lunden, Coeur d'Alene, Idaho. Hydraulic operator for winches. 2,627,725, Feb. 10.
Cock, Ludolf J., B. G. Dammers, W. W. Boelens, and J. R. de Miranda, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiving arrangement for use at ultrashort waves. 2,662,171, Dec. 8.
Cockman, Ralph L., High Point, N. C. Modulating pulsator. 2,653,196, Sept. 22.
Cockram, Reginald W. J., London, assignor to The Pyrene Company, Limited, Brentford, England. Electric switch. 2,662,945, Dec. 15.

Cockrell, Charles C., assignee: *See*—
Swisher, Robert E.
Cockrell, Dennis F., Enid, Okla. Device for removing lids from cans. 2,635,801, Apr. 21.
Cockrell, Francis M., Burbank, Calif. Flexible foot-hugging infant's shoe. 2,630,636, Mar. 10.
Cockrell, Jesse S., Norfolk, Va. Hydrospin spray head. 2,633,384, Mar. 31.
Cockrell, Jesse S., Norfolk, Va. Motor vehicle washing pellet reclaiming apparatus. 2,660,744, Dec. 1.
Cockriel, Floyd M., Edgerton, Mo. Mechanical toothbrush. 2,628,377, Feb. 17.
Cockshutt Farm Equipment Incorporated, assignee: *See*—
Harper, Wesley A., and Minton.
Horne, Donald S., and MacDonald.
Coda, William A., Kingsville, Ontario, Canada. Shock absorber. 2,659,595, Nov. 17.
Coderre, Aylmer L., St. Anne, Ill. Liquid measuring device. 2,663,084, Dec. 22.
Cody, Albert I., Philadelphia, Pa., and W. E. Brandley, Laurel Springs, N. J. Handtruck. 2,624,472, Jan. 6.
Cody, William P., Lombard, and E. L. Clark, assignors to Alkydol Laboratories, Inc., Cicero, Ill. Ester resins for varnishes and inks using monomeric phenolic ethers of aliphatic polyhydroxy alcohols. 2,653,142, Sept. 22.
Coe, Clarence S.: *See*—
Doumani, Thomas F., and Coe.
Coe, Clarence S., Rolling Hills, and T. F. Doumani, assignors to Union Oil Company of California, Los Angeles, Calif. Reaction products of hydrogen sulfide and salts of aci-nitro-hydrocarbons. 2,656,393, Oct. 20.
Coe, Herbert A.: *See*—
Dyer, Dora F., and Coe.
Coe Manufacturing Company, The, assignee: *See*—
Parker, Clarence E.
St. Clair, Charles W.
Coe, William D., Milton-Freewater, Oreg. Recreation table. 2,662,583, Dec. 15.
Coeterier, Frederik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement comprising a reflex discharge tube. 2,645,738, July 14.
Cofek, Henry, J.: *See*—
Batchelor, Clyde S., and Cofek.
Coffeen, William W., Union, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Ceramic bodies. 2,624,709, Jan. 6.
Coffeen, William W., Union, and H. W. Richter, Rahway, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Bismuth stannate and compositions employing same. 2,658,833, Nov. 10.
Coffey, Charles A., Elmhurst, R. T. Ryan, and L. N. Whitehill, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Organic driers in organic film forming compositions. 2,631,944, Mar. 17.
Coffey, Daniel J., Bronx, N. Y. Combined cigarette trap, ashtray, and holder. 2,653,614, Sept. 29.
Coffey, Edward J., and P. E. Fischer, Minneapolis, Minn., assignors to General Mills, Inc. Fruit juice extraction mechanism. 2,642,106, June 16.
Coffey, Francis T., Sr., Los Angeles, Calif. Motion-picture viewer. 2,628,526, Feb. 17.
Coffey, Henry F., assignor to Eli Lilly and Company, Indianapolis, Ind. Weighing device. 2,638,304, May 12.
Coffey, Henry F., and P. H. Lanham, assignors to Eli Lilly and Company, Indianapolis, Ind. Filling device. 2,660,336, Nov. 24.
Coffey, Irven E., Clayton, assignor to Carter Carburetor Corporation, St. Louis, Mo. Check valve. 2,662,723, Dec. 15.
Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel pump. 2,625,114, Jan. 13.
Coffin, David W., Upper Darby, Pa. Toy engine kit. 2,639,544, May 26.
Coffin, Harry B., New York, N. Y. Mailing sheet. 2,631,773, Mar. 17.
Coffing, Fredrick W., Danville, Ill. Collapsible supporting frame. 2,640,534, June 2.
Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Tensioning and pulling device. 2,658,720, Nov. 10.
Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Automatic hoist and binder. 2,658,721, Nov. 10.
Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Automatic hoist and binder. 2,658,722, Nov. 10.
Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Full automatic hoist. 2,658,723, Nov. 10.
Coffing Hoist Company, assignee: *See*—
Coffing, Fredrick W.
Coffing, James R., Danville, Ill. Hoist structure. 2,647,724, Aug. 4.
Coffing, James R., Danville, Ill. Hoist structure. 2,647,725, Aug. 4.
Coffman, Alden W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Method of and apparatus for producing protected metal articles. 2,631,641, Mar. 17.
Coffman, Harold H.: *See*—
Wiles, Everett R., Meyers, and Coffman.
Coffman, Robert S., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Safety pressure relief valve. 2,656,950, Oct. 27.
Coffman, Robert S., and H. N. Simms, assignors to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Safety pressure device. 2,661,121, Dec. 1.
Cofield, Perry C., Key West, Fla. Photographic printer. 2,633,784, Apr. 7.
Coggburn, Harley L., Big Bear Lake, Calif. Automatic air conditioning unit. 2,659,214, Nov. 17.
Coggeshall, Almy D., Schenectady, and A. H. Ballston Lake, N. Y., assignor to General Electric Company. Electrical coil. 2,646,535, July 21.
Coghill, James T.: *See*—
Hill, Harold S., and Coghill.
Coghill, James T., Fairport, N. Y., and H. Kenogami, Quebec, Canada, assignors, by mesne assignments, to Curlator Corporation, Rochester. Apparatus for treating wood pulp. 2,646,728.
Cogswell, Walter F.: *See*—
Cogswell, Wilton W., Sr., and W. F. Cogswell.
Cogswell, Wilton W., Sr., and W. F. Cogswell, assignors to Bobopen, Inc., Colorado Springs, Colo. Fishing lure. 2,632,277, Mar. 24.
Cohan, Max J., New York, N. Y. Necktie. 2,656,827, Oct. 27.
Cohane, David B., Flushing, N. Y. Multiple electrical tap with means to secure additional taps. 2,659,060, Nov. 10.
Cohen, Abraham B.: *See*—
Levy, Sidney E., and Cohen.
Cohen, Abraham J., S. Levine, M. Caminear, and S. S. Price, New Haven, Conn. Refrigerated liquid dispensing unit. 2,639,724, May 26.
Cohen, Abraham J., S. Levine, and M. Caminear, New Haven, and S. S. Price, North Haven, Conn. Refrigerated spray carbonator assembly. 2,639,946, May 26.
Cohen, Abraham J., S. Levine, and M. Caminear, New Haven, and S. S. Price, North Haven, Conn. Refrigerated carbonator cooler. 2,650,808, Sept. 1.
Cohen, Arthur, Brooklyn, and P. S. Foster, Astoria. Boiler with fusible metal actuated control. 2,649,845, Aug. 25.
Cohen, Arthur M., New York, N. Y. Finger type pressure regulator and contact assembly therefor. 2,643,299, Sept. 1.
Cohen, Arthur M., New York, N. Y. Synchronously operated regulator. 2,654,063, Sept. 29.
Cohen, Benjamin, New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Forming coatings containing uranium and method of isotopic enrichment. 2,631,245, Mar. 10.
Cohen, Charles A., Roselle Park, and F. Knoth, Roselle, N. J., assignors to Standard Oil Development Company. Treating method for high-boiling oils. 2,642,389, June 16.
Cohen, Charles A., Roselle Park, and C. W. Roselle, N. J., assignors to Standard Oil Development Company. Treatment of copolymer olefins for stabilization. 2,658,932, Nov. 10.
Cohen, David M., New York, assignor to G. Long Beach, N. Y. Umbrella construction. 2,660,181, Dec. 1.
Cohen, George B., assignee: *See*—
Cohen, David M.
Cohen, Henry, Cove, near Farnborough, assignor to Power Jets (Research & Development) Limited, London, England. Apparatus for burning fuel in fast-moving gas streams. 2,658,340, Nov. 10.
Cohen, Henry, and J. H. H. Darth, Farnborough, assignors to Power Jets (Research & Development) Limited, London, England. Apparatus for burning fuel in a high velocity gas stream. 2,639,581, May 26.
Cohen, Herman, Brookline, Mass. Carbon dioxide eliminator. 2,649,685, Aug. 25.
Cohen, Hymen K., Baltimore, Md. Razor blade. 2,645,009, July 14.
Cohen, Joseph, assignor to J. Arden, New York. Lady's handbag. 2,635,664, Apr. 21.
Cohen, Martin J., Princeton, N. J., assignor to Radio Corporation of America. Gas pressure responsive device. 2,648,818, Aug. 11.
Cohen, Max H., Los Angeles, Calif. Toothbrush construction. 2,637,870, May 12.
Cohen, Maximilian, Brooklyn, N. Y. Dental floss holder and manipulator. 2,644,469, July 7.
Cohen, Morton R., Chicago, Ill. Attaching device for chair backs. 2,630,857, Mar. 10.
Cohen, Nathaniel L.: *See*—
Goldstein, Ladislas, and Cohen.
Cohen, Nathaniel L., Teaneck, L. Goldstein, W. and W. Sichak, Lyndhurst, N. J., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Control of wave energy in wave guide and coaxial lines. 2,641,702, June 9.
Cohen, Oscar P., Watertown, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Treating textile yarns and compositions therefor. 2,642,332, June 16.

Cohen, Oscar P., Chestnut Hill, and E. H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textiles and N-halogenated amine-aldehyde agents therefor. 2,654,720, Oct. 6.

Cohn, Eugene: *See*—
Cohn, Samuel, Walter, and Cohn.

Cohn, Irwin, Leominster, Mass. Drinking doll with movable members. 2,644,272, July 7.

Cohn, Johann G., East Orange, assignor to Baker & Company, Inc., Newark, N. J. Apparatus for the continuous analysis of oxygen and hydrogen. 2,631,925, Mar. 17.

Cohn, Samuel, J. G. Walter, and E. Cohn, New York, assignors to Samcoe Holding Corporation, Woodside, N. Y. Apparatus for handling tubular textile fabric. 2,634,488, Apr. 14.

Cohn, Samuel, New York, and J. G. Walter, Ridgewood, assignors to Samcoe Holding Corporation, Woodside, N. Y. Fabric treating system. 2,637,991, May 12.

Cohn, Samuel, and J. G. Walter, New York, assignors to Samcoe Holding Corporation, Woodside, L. I., N. Y. Apparatus for folding fabrics. 2,653,812, Sept. 29.

Cohn, Seymour B., Cambridge, Mass., assignor to United States of America as represented by the Secretary of War. Broad-band wave guide-to-coaxial line junction. 2,633,493, Mar. 31.

Cohn, Seymour B., Cambridge, Mass., assignor to United States of America as represented by the Secretary of War. Dielectric wave guide to coaxial line junction. 2,659,055, Nov. 10.

Cohn, Waldo E., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparation of carrier-free radioactive phosphorus values. 2,653,076, Sept. 22.

Cohoes Envelope Company, Inc., assignee: *See*—
McMillan, Harold I.

Cohun, Homer H., assignor of ninety per cent to L. and B. L. Hamner and L. and N. L. Mulkey, Yuba City, Calif. Combined hinge and latch mounting. 2,636,212, Apr. 28.

Coinometer Corporation, assignee: *See*—
Galoich, Louis C.

Coker, Morton M.: *See*—
Bridwell, John W., Coker, and Williamson.

Colaiaco, August P.: *See*—
Boyer, John L., and Colaiaco.

Colbert, Charles: *See*—
Berens, Gregory E., and Colbert.

Colbert, William H., Brackenridge, Pa., A. R. Weinrich, North Wilkesboro, N. C., and W. L. Morgan, Haverford, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Light transmissive electrically conducting article. 2,628,927, Feb. 17.

Colborne Manufacturing Co., assignee: *See*—
Jahn, Marion C., Shapcott, and Smith.

Colburn, Bearl E., Green Bay, Wis. Drum gauge having aligned faucet and drum coupling. 2,629,260, Feb. 24.

Colburn, Bearl E., Green Bay, Wis. Tank gauge. 2,651,200, Sept. 8.

Colburn, George C., South Natick, and C. W. Turner, Melrose, assignors to H. E. Wright Company, Charlestown, Mass. Pasteurizing apparatus. 2,624,266, Jan. 6.

Colburn, Lloyd L., Capitola, Calif. Pencil. 2,657,670, Nov. 3.

Colburn, Richard R., assignee: *See*—
Giberson, Samuel H.

Colby, Hedley R.: *See*—
Jones, Hugh F., and Colby.

Colby Steel & Manufacturing, Inc., assignee: *See*—
Senn, Arthur L., Gould, Evensen, and Senn.

Colby, Zenas E., assignor to Jackson and Church Company, Saginaw, Mich. Insert gathering and envelope stuffing machine. 2,657,043, Oct. 27.

Colcrete Limited, assignee: *See*—
Davies, Leonard T.

Cold Control, Inc., assignee: *See*—
Brizzolara, Robert T.

Colden, Milton O., Clintonville, Wis. Power-tricycle. 2,633,030, Mar. 31.

Coldiron, Harold A., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Tape cutter. 2,626,666, Jan. 27.

Cold Metal Products Company, The, assignee: *See*—
Cooper, David P.

Coldset Foods Inc., assignee: *See*—
Baer, John M.

Cold Spring Granite Company, assignee: *See*—
Cornwell, Ted K.

Coldwell, John S., assignor to Globe-Union Inc., Milwaukee, Wis. Over and under actuator for electric switches. 2,625,629, Jan. 13.

Coldwell, John S., assignor to Globe-Union Inc., Milwaukee, Wis. Wheel having cushioned tread. 2,656,220, Oct. 20.

Cole, Charles S., assignor to Fabric Fire Hose Company, Sandy Hook, Conn. Thread tensioning means. 2,630,836, Mar. 10.

Cole, Charles S., assignor to Fabric Fire Hose Company, Sandy Hook, Conn. Shuttle. 2,630,837, Mar. 10.

Cole, Clayton K., assignor to Atlas Press Company, Kalamazoo, Mich. Cutter blade support for lawn mowers. 2,624,169, Jan. 6.

Cole, Clayton K., assignor to Atlas Press Company, Kalamazoo, Mich. Lawn mower roller support. 2,636,332, Apr. 28.

Cole, E. K., Limited, assignee: *See*—
Collins, Bernard F., Cox, and Martin.

Cole, Earl S., and H. D. Vanderlip, assignors to Kellogg Company, Battle Creek, Mich. Bag pallet loader. 2,655,271, Oct. 13.

Cole, Gilmoure N., Manchester, and J. S. Hasbrouck, Glastonbury, assignors to United Aircraft Corporation, East Hartford, Conn. Supercharger arrangement. 2,653,591, Sept. 29.

Cole, Herbert M., Teaneck, assignor to Federal Electric Products Company, Newark, N. J. Combined contact and terminal member for electric switches. 2,646,485, July 21.

Cole, Hyman E., Valley Stream, N. Y., and W. Olsen, East Paterson, N. J., assignors to New York Pressing Machinery Corporation, New York, N. Y. Pressing machine. 2,651,125, Sept. 8.

Cole, Janey A., Chicago, Ill. Optical viewer. 2,656,758, Oct. 27.

Cole, Joseph W., Portsmouth, and L. E. McElroy, Newport News, Va. Cutting block. 2,649,911, Aug. 25.

Cole, Lawrence D., assignor of one-fourth to J. H. McHugh, Steubenville, Ohio. Slide detecting apparatus. 2,640,131, May 26.

Cole, Mark H., Downers Grove, Ill., assignor to The Safety Crank Company. Engine cranking device. 2,652,045, Sept. 15.

Cole, Nathaniel S.: *See*—
Wilcox, Isaac L., and Cole.

Cole, Paul M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Advancing reel. 2,649,645, Aug. 25.

Cole, R. D., Manufacturing Co., assignee: *See*—
Blackburn, Bryan.

Cole, Richard W., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Mechanical oscillation damper. 2,655,049, Oct. 13.

Cole, Russell H.: *See*—
Wright, Otis A., Goddard, and Cole.

Cole, Sandford S., Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Titanium concentrates. 2,631,941, Mar. 17.

Cole, Stanley L.: *See*—
Watson, William H., and Cole.

Cole, Thomas D., assignor to Lockport Cotton Batting Co., Lockport, N. Y. Thermal insulating material and making the same. 2,631,644, Mar. 17.

Cole, Thomas M., New York, N. Y., assignor to Federal Electric Products Company, Newark, N. J. Plug-in distribution panel board. 2,626,984, Jan. 27.

Cole, Thomas M., New York, N. Y., assignor to Federal Electric Products Company, Newark, N. J. Circuit breaker. 2,647,186, July 28.

Cole, Thomas M., New York, N. Y., assignor to Federal Electric Products Company, Newark, N. J. Calibration of automatic circuit breakers. 2,647,187, July 28.

Cole, Thomas M., New York, N. Y., assignor to Federal Electric Products Company, Newark, N. J. Automatic circuit breaker with compensation provision for ambient temperature and mechanical shock. 2,653,202, Sept. 22.

Cole, Thomas M., New York, N. Y., and P. M. Christensen, West Orange, assignors to Federal Electric Products Company, Newark, N. J. Automatic circuit breaker with calibration provision. 2,642,509, June 16.

Cole, Thomas M., New York, N. Y., and P. M. Christensen, West Orange, assignors to Federal Electric Products Company, Newark, N. J. Molded casing for electrical apparatus. 2,645,693, July 14.

Cole, Thomas M., New York, N. Y., and P. M. Christensen, West Orange, assignors to Federal Electric Products Company, Newark, N. J. Terminal panel assembly. 2,647,225, July 28.

Cole, Thomas M., New York, N. Y., and W. H. Lantz, Jr., Newington, Conn., assignors to Federal Electric Products Company, Newark, N. J. Multipole circuit breaker and tripping device therefor. 2,650,280, Aug. 25.

Cole, Unus P., Glendale, Calif. Fuel valve timing gauge. 2,662,298, Dec. 15.

Cole, William A., Detroit, Mich. Hook lock. 2,652,276, Sept. 15.

Colegrove, Nathaniel E., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Motor speed controller. 2,631,265, Mar. 10.

Colehower, Harry H., Jr., Abington, assignor to C. Walker Jones Co., Philadelphia, Pa. Dampening roll for lithographic presses. 2,649,649, Aug. 25.

Coleman, Abraham I., Baltimore, Md. Watch strap spring bar. 2,632,935, Mar. 31.

Coleman, Beamon V., Birmingham, Ala. Hand or power-operated actuating mechanism. 2,625,839, Jan. 20.

Coleman, Clarence B., Oakland, Calif. Drip arresting apparatus. 2,650,003, Aug. 25.

Coleman, Clarence F., Mishawaka, Ind. Mouth protector. 2,630,117, Mar. 3.

Coleman Company, Inc., The, assignee: *See*—
Campbell, Shirley P.
Glwosky, Harry L.
Hyatt, Edwin C., Lyon, and Swanson.
Kice, Jack W.
Kice, Jack W., and Redmond.
Little, Ellwood E.
McCutchen, John E.
St. John, Roscoe N., and Goldsberry.

Coleman, Denis, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Catalytic polymerization of anhydro-N-carboxy alpha-amino acids. 2,636,877, Apr. 28.

Coleman, Gordon A., Wyndmoor, R. B. Greene, and J. H. Merriam, Philadelphia, Pa., S. P. Miller, Scarsdale, N. Y., and R. F. Shannon, Conneaut Lake, Pa., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Continuous resin process. 2,658,054, Nov. 3.

Coleman, Gregory, New York, N. Y. Window-cleaner having companion magnets. 2,634,444, Apr. 14.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. High efficiency nuclear electrostatic generator. 2,633,542, Mar. 31.

Coleman, John H., West Palm Beach, Fla., assignor to Radio Corporation of America. Mercury vapor rectifier tube employing magnetic field. 2,660,687, Nov. 24.

Coleman, Joseph J., and M. E. Wilke, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Dry battery and cell with improved anode. 2,632,782, Mar. 24.

Coleman, Joseph J., and M. E. Wilke, assignors to Burgess Battery Company, Freeport, Ill. Making dry cells and batteries. 2,632,783, Mar. 24.

Coleman, Joseph J., and M. E. Wilke, assignors to Burgess Battery Company, Freeport, Ill. Deferred action battery. 2,637,756, May 5.

Coleman, Joseph J., Freeport, and S. Kurlandsky, Rock Island, assignors to Burgess Battery Company, Freeport, Ill. Dry battery with conductive tape intercell connections. 2,658,098, Nov. 3.

Coleman, Lela H., assignee: *See*—
Coleman, Philip G.

Coleman, Lewis B., Cheyenne, Wyo. Counterflashing and anchor cap therefor. 2,641,203, June 9.

Coleman, Malcolm A., Washington, D. C. Nasal filter. 2,660,166, Nov. 24.

Coleman, Orville K.: *See*—
Road, Richard A., and Coleman.

Coleman, Philip G., assignor of two-fifths to E. L. Klapper, one-fifth to A. A. Wassick, and two-fifths to L. H. Coleman, Chattanooga, Tenn. Combination lock. 2,635,449, Apr. 21.

Coleman, Richard A.: *See*—
Blevins, Walter G., Sr., Coleman, and Mills.

Coleman, Sidney B., Basking Ridge, N. J. Electronic noise suppressor. 2,638,501, May 12.

Coleman, William E., Pleasant Hills Borough, Pa., assignor to United States Steel Corporation. Control unit for pinhole detectors. 2,655,620, Oct. 13.

Coles, Arthur, Jr., Westfield, and A. Hood, Arlington, assignors to The Daven Company, Newark, N. J. Electrical switch. 2,629,787, Feb. 24.

Coles, Robert F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing 7-bromo-5-chloroisatin and the corresponding sodium salt of isatic acid. 2,642,439, June 16.

Coles, Robert L., Cleveland, Ohio. Fishing rod. 2,657,493, Nov. 3.

Coles, Roger E., Union, assignor to International Business Machines Corporation, New York, N. Y. Rotary broach. 2,654,293, Oct. 6.

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Sprinkling system. 2,625,428, Jan. 13.

Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Sprinkling system. 2,625,429, Jan. 13.

Coles, William T., and C. E. Wells, Columbus, Nebr. Row crop type tractor guide. 2,625,868, Jan. 20.

Coletta, Joseph E., Hyde Park, Mass., assignor to Farrington Manufacturing Company. Box with pivoting article display. 2,647,622, Aug. 4.

Coley, Harold: *See*—
Swift, William, and Coley.

Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Code communication system. 2,626,314, Jan. 20.

Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Air traffic control system. 2,626,382, Jan. 20.

Coley, Nelson B., assignor to General Railway Signal Company, Rochester, N. Y. Station registration in centralized traffic control system for railroads. 2,626,383, Jan. 20.

Colgan, Oliver E., Collingswood, N. J., assignor to Radio Corporation of America. Signal seeking tuner. 2,639,372, May 19.

Colgate-Palmolive-Peet Company, assignee: *See*—
Allen, Harold D., and Arrowsmith.
Clark, Francis R., and Aponovitch.
Compa, Russell E.
Fox, Arthur L., and Mehaffey.
Gebbart, Arthur I., and Mitchell.
Goldsmith, Henry A.
Holbrook, Ralph W.
Hughes, Harley R.
Kirschenbauer, Hans G.
Klippert, Andrew A., McGhie, and Richardson.
Krems, Irving J.
Ledgett, Lowell A.
Ledgett, Lowell A., Deane, and Mahoney.
Malkemus, John D.

Colgate-Palmolive-Peet Company, assignee: *See*—
McNeill, Oxford D.
Reinish, Martin D., and Caldarera.
Ross, John.
Ross, John, and Gebhart.

Colgate, William H., West Redding, Conn. Dual co
with viewing window. 2,648,156, Aug. 11.

Colgren, Carl T.: *See*—
Burbank, Wendell T., and Colgren.

Colin, Jules, R. Burr, and A. Gafanesch, assigr
Mines Domaniales de Potasse d'Alsace, Mulhouse
Rhin, France. Method and apparatus for sep
solid particles. 2,650,706, Sept. 1.

Colin, Louis, Quimper, France. Retractable strake
2,638,384, May 12.

Colin Stewart Limited, assignee: *See*—.
Henderson, Sidney G.

Collingsworth, Donald R.: *See*—
Haines, William J., and Collingsworth.

Collar, Frank R.: *See*—
Grizzard, Earle D., Collar, and Mitchell.

Collar, Harlan W., Sewell, N. J., J. S. Russo, Philad
Pa., and M. J. Minneman, Baltimore, Md., assig
Radio Corporation of America. Radar beacon
standardization system. 2,634,410, Apr. 7.

Collett, Charles H.: *See*—
Bush, Walter M., and Collett.

Collett, J. Howard, assignee: *See*—
Hill, Elvin.

Collette Manufacturing Company, The, assignee: S
Robinson, Eli A., and Heck.

Colley, Arthur R.: *See*—
Christian, Raymond A., Williams, Ganger,
Strachan, Paden, Crawford, Johnson, Geig
Mitchell.

Colley, Russell S., Cuyahoga Falls, Ohio, assignor
B. F. Goodrich Company, New York, N. Y. A
tubular joint assembly. 2,647,000, July 28.

Collida, Bartolo G., assignor of fifty per cent to
Giola, St. Louis, Mo. Window ventilating attac
2,648,273, Aug. 11.

Collier, Arthur: *See*—
Smole, Jack F., and Collier.

Collier, Donald W., Philadelphia, Pa., assignor
Sharples Corporation. Concentration of aqueo
nitic acid solutions. 2,650,248, Aug. 25.

Collier, Henry O. J.: *See*—
Eastland, Cyril J., Taylor, and Collier.

Collier, John E.: *See*—
Utz, Chester C., and Collier.

Collier, Robert T., Palos Verdes Estates, Calif.
oil gas and water gas. 2,634,197, Apr. 7.

Collins & Aikman Corporation, assignee: *See*—
Bird, Whitworth F., and Bodell.
Bodell, Philip T.
Cavallaro, Albert B.
Hewton, William R.

Collins, Aubrey L., Harrow, England. Protective
for rotary fans. 2,654,533, Oct. 6.

Collins, Avery B., Kimberly, Idaho, assignor to Th
Holland Machine Division of the Sperry Corpo
New Holland, Pa. Shear coupling controlled
switch. 2,664,476, Dec. 29.

Collins, Bernard F., Eastwood, V. J. Cox, Malm
and A. W. Martin, Thundersley, assignors to E.
Limited, Southend-on-Sea, England. Radio grou
trol equipment for aircraft. 2,659,075, Nov. 10

Collins, Calhoun, assignor of two-fifths to Ca
Pacific Service, Inc., and one-fifth to T. M. R
Bakersfield, Calif. Liquid controlled device wi
cleaning valve. 2,628,630, Feb. 17.

Collins, Charles and D. J., Port Credit, Ontario, C
Perambulator. 2,645,502, July 14.

Collins, Charles P., Denver, Colo., and C. A. P
Dallas, Tex., assignors to Eastman Oil Well
Company, Denver, Colo. Protective guide dev
well instruments. 2,651,199, Sept. 8.

Collins, Don F.: *See*—
Apel, George E., and Collins.

Collins, Don F., assignor to Adamson United Co
Akron, Ohio. Rotary coupling and valve. 2,6
Oct. 27.

Collins, Don F., Pontiac, Mich., G. E. Apel, Belmo
R. W. Fuller, Wayland, assignors to Boston Wov
and Rubber Company, Cambridge, Mass. Endle
grinding machine. 2,644,278, July 7.

Collins, Dorothy J.: *See*—
Collins, Charles and D. J.

Collins, Edgar V., Ames, Iowa. Plow hitch. 2,6
Sept. 29.

Collins, Edgar V., Ames, Iowa. Tractor implemen
2,653,825, Sept. 29.

Collins, Edgar V., Ames, Iowa. Cornpicker roll. 2,6
Oct. 27.

Collins, Edward J., Los Angeles, Calif., assignor
liams Patent Corporation, Chicago, Ill. Record
mechanism for automatic phonograph record
2,639,154, May 19.

Collins, Frank W., and W. L. Dietrich, Windsor,
Railway tie plate lifter. 2,628,122, Feb. 10.

Collins, Fred V.: *See*—
Stahl, William F., and Collins.

Collins, George R., Denver, Colo. Fisherman's
net. 2,645,874, July 21.

Collins, Howard W., assignor to Tectum Corporation, Newark, Ohio. Forming wood wool panels. 2,655,458, Oct. 13.

Collins, Jack B., Isleworth, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Automatically controlled calender. 2,626,423, Jan. 27.

Collins, Jack B., Isleworth, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Static conductivity measuring device. 2,626,982, Jan. 27.

Collins, John E., Akron, Ohio. Packing member. 2,660,459, Nov. 24.

Collins, Johnnie C., assignor to Servis Equipment Company, Dallas, Tex. Dumping hay rake. 2,634,572, Apr. 14.

Collins, Lawrence B., Orange, and C. A. Langstaff, Compton, Calif. Combined cable wiper and splash shield. 2,642,941, June 23.

Collins, Lawrence B., Orange, and C. A. Langstaff, Compton, Calif. Shaft or rod packing. 2,660,458, Nov. 24.

Collins, Lewis L.: *See*—
Jones, Kenneth C., and Collins.

Collins, Lowell J., Oakland, Calif. Elevating and dumping apparatus. 2,657,815, Nov. 3.

Collins, Martin M., Jackson Heights, N. Y. Inertia switch. 2,656,139, Oct. 20.

Collins Radio Company, assignee: *See*—
Behrens, William H.
Bollhoefer, Dale M.
Bruene, Warren B.
Bucksbaum, Arnold M.
Carney, Charles S., Fritze, and Stanley.
Clark, John W., and McNees.
Corbell, Paul I.
Corbell, Paul I., and Black.
Craiglow, Robert L.
Doelz, Melvin L.
Eberhardt, Arthur.
Fisher, Floyd A., and Kohl.
Harris, Donald B.
Harris, Donald B., and McCreary.
Hime, Norman S.
Hubbard, Merle R.
Kohl, Walter H.
Lauther, Leslie I.
May, Richard W., and Pyle.
McCreary, Ralph L.
McGowan, Harold S.
McPhee, Kenneth H., and Soderstrom.
Moseley, Francis L.
Pappenfus, Ernest W.
Price, George W.
Salisbury, Winfield W.
Schweighofer, Horst M., and Nicholson.
Shanklin, John P.
Stover, Harris.
Wallace, Frank C.
Witters, Robert F.

Collins, Raymond N., Schenectady, N. Y., assignor to General Electric Company. Temperature control device. 2,659,801, Nov. 17.

Collins, Robert N., Ridgefield, N. J. Educational device for use in learning to tie certain knots. 2,624,957, Jan. 13.

Collins, Samuel C., Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Gas separation apparatus and method. 2,663,167, Dec. 22.

Collins, Vern, Salem, Oreg. Making joints between lead and brass pipes. 2,632,943, Mar. 31.

Collins, Warren E., Inc., assignee: *See*—
Nickles, Earl C.

Collins, William B., assignee: *See*—
Dague, Harold F.

Collins, William F.: *See*—
Pool, Stuart D., and Collins.

Collins, William W., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Draw press feeding device. 2,663,275, Dec. 22.

Collins, Zane L., Linthicum Heights, and F. J. Euler, Jr., Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Exposure monitor for horizontal cassette changer. 2,640,160, May 26.

Collinson, Eric S., Higher Brunshaw, Burnley, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel burner with replaceable fuel nozzles. 2,655,990, Oct. 20.

Collinson, Eric S., Higher Brunshaw, Burnley, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel injection nozzle. 2,658,800, Nov. 10.

Collis, J., & Sons Limited, assignee: *See*—
Collis, Leslie A.

Collis, Leslie A., Radlett, assignor to J. Collis & Sons Limited, London, England. Conveyer support. 2,638,204, May 12.

Collison, Curtis L., Cranston, R. I. Comb. 2,626,618, Jan. 27.

Collison, Marian L., assignee: *See*—
Collison, William J.

Collison, Roy G., Los Angeles, Calif. Ozone generator. 2,658,868, Nov. 10.

Collison, William J., Pasadena, assignor of fifty per cent to M. L. Collison, Bakersfield, Calif. Tool for cleaning waste pipes. 2,651,067, Sept. 8.

Collito, Michael B., executor: *See*—
Collito, Thomas A.

Collito, Thomas A., deceased, Newark, N. J., M. B. Collito, executor. Heat exchanger. 2,650,801, Sept. 1.

Collman, George B., Seattle, Wash. Combination runner and base. 2,663,181, Dec. 22.

Collmann, Alvill F.: *See*—
Beranek, Anthony J., and Collmann.

Collura, Francesco: *See*—
Hart, Marion R., and Collura.

Collura, Francesco, New York, N. Y., assignor to Waterous Company, St. Paul, Minn. Sanitary pump. 2,633,807, Apr. 7.

Colman, Edith H., Bethel, Conn. Clothes rack for vehicles. 2,645,390, July 14.

Colmery, Robert D., Columbus, Ohio. Reel-receiving fishing rod handle. 2,628,446, Feb. 17.

Colodense Limited, assignee: *See*—
Ashman, Arthur.

Colonial Broach Company, assignee: *See*—
Jessup, James L., and Gotberg.
Welte, Benedict.

Colonial Life Insurance Company of America, The, assignee: *See*—
Baer, Robert L.

Colonial Print Works, Inc., assignee: *See*—
Koch, William J.

Colonial Sheet Metal Works, assignee: *See*—
Pujda, Alfred G.

Colonna, Angelo, Philadelphia, Pa. Spring actuated sash balance. 2,656,564, Oct. 27.

Colonna, Angelo, Philadelphia, Pa. Detachable leaf hinge. 2,658,232, Nov. 10.

Colonna, Jerome J., Chicago, Ill. Rope clamp. 2,640,240, June 2.

Colorado Iron Works Company, assignee: *See*—
Trammell, John M.

Color Research, Inc., assignee: *See*—
Wills, Richard F.

Color Television, Inc., assignee: *See*
Sleeper, George E., Jr.

Color Television Incorporated, assignee: *See*
Heikes, Norman L., and Stahl.

Colpitts, Harry C., assignor to Northern Electric Company, Limited, Montreal, Quebec, Canada. Thermistor and heat-treating it. 2,664,486, Dec. 29.

Colquitt, Odie, assignor to Patents, Inc., Denver, Colo. Means for circulating mud in rotary well drilling rigs. 2,657,015, Oct. 27.

Colson Corporation, The, assignee: *See*—
Roe, William C.

Colston, Arthur L., Manhattan Beach, Calif. Therapeutic table. 2,643,651, June 30.

Colt, Rutger B., assignor to Bendix Aviation Corporation, Baltimore, Md. Illuminated indicating apparatus. 2,637,296, May 5.

Coltman, John W.: *See*—
Altar, William, and Coltman.

Colton, Frank B., assignor to G. D. Searle & Co., Chicago, Ill. Estradienes. 2,655,518, Oct. 13.

Colton, Grant A., Gibsonia, Pa., assignor to D. G. Griswold, Alhambra, Calif. Valve apparatus. 2,646,064, July 21.

Colton, Ralph F., assignor to Dry-Freeze Corporation, Chicago, Ill. Closure for bottles and the like. 2,626,607, Jan. 27.

Colton, Robert, New Rochelle, N. Y., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrochemical cell and self-venting enclosure therefor. 2,636,062, Apr. 21.

Colt's Manufacturing Company, assignee: *See*—
Lewis, Charles R., and Taggart.
McNally, John M.

Columbia Boiler Company, assignee: *See*—
Barrow, James R.
Boarman, Robert W.

Columbia Broadcasting System, Inc., assignee: *See*—
Christensen, John W.
Doncaster, Daniel P.
Goldmark, Peter C.
Rockett, John F., Jr.

Columbia Electric and Manufacturing Company, assignee: *See*—
Caferro, Edward M.

Columbia Machinery and Engineering Corporation, assignee: *See*—
Pater, Paul G.

Columbia Malting Company, The, assignee: *See*—
Melchior, Wilhelm A., and Graff.

Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.

Columbia Pictures Corporation, assignee: *See*—
Rackett, Gerald F.

Columbia Protektosite Co., Inc., assignee: *See*—
Baldanza, Nicholas T.
Castelli, Charles.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See*—
Newman, Douglas A.

Columbia-Southern Chemical Corporation, assignee: *See*—
Bartlett, Paul D.
Bohl, Lester E.
Michaelis, John L.
Pechukas, Alphonse.
Rahn, Henry W.
Strain, Franklin.
Woodman, Frank W.

Columbian Carbon Company, assignee: *See*—
Heller, George L.
Venuto, Louis J.

Columbus Auto Parts Company, The, assignee: *See*—
Flumerfelt, William A.
Klages, Reynold E.

Columbus McKinnon Chain Corporation, assignee: *See*—
Devonshire, William H.
Manney, Charles J., and Devonshire.

Columbus Metal Products, Inc., assignee: *See*—
Donlevy, Robert P.

Columbus Plastic Products, Inc., assignee: *See*—
Roop, Nathan W.

Columbus Show Case Company, The, assignee: *See*—
Teach, Max K.

Coluthup, Norman B., Stamford, and R. E. Torley, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Apparatus for use in measuring surface tension. 2,654,243, Oct. 6.

Colvard, Jesse T.: *See*—
Franklin, Clarence W., and Colvard.

Colvin, James J., assignor to Callaway Mills Company, La Grange, Ga. Soiled towel counter. 2,628,704, Feb. 17.

Colvin, Julius J., Hudson Falls, N. Y. Screen apparatus. 2,643,586, June 30.

Colwell, Jess W., Texas City, Tex. Gas jet safety lock. 2,632,623, Mar. 24.

Comb-A-Flea Co., Inc., assignee: *See*—
Sullivan, John L.

Comber, William R., Erie, Pa. Protective bib for vehicles. 2,659,523, Nov. 17.

Combined Locks Paper Co., assignee: *See*—
Muggleton, Gerald D.

Combined Metals Reduction Company, assignee: *See*—
Bradford, James H.
Klepetko, Ernest, and Kaye.

Combined Optical Industries Limited, assignee: *See*—
Johnson, John.

Combs, Edward E., Albany, Calif. Phonograph pickup. 2,640,888, June 2.

Combustion Control Corporation, assignee: *See*—
Giuffrida, Philip, and Shaw.
Shaw, Burton E., and Giuffrida.
Thomson, E. Craig.
Thomson, E. Craig, and Webb.

Combustion Engineering, Inc., assignee: *See*—
Armacost, Wilbur H.
Bogot, Alexander, and Bishop.
Chapman, Edward C.
Chapman, Edward C., and Lorentz.
Henkel, Erich, and Nehrbas.
Jackson, George P.
Kunz, William J.
Ludt, Edward W.
Marshall, Leonard J.
Patterson, Ward S.
Ravese, Thomas, and Bentley.
Schoenfeld, David M.
Skinner, Floyd H.
True, Charles H.
Van Brunt, John.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Armacost, Wilbur H.
Henkel, Erich W.
Lasater, John A.
Patterson, Ward S., and Armacost.
Van Brunt, John.
Weigel, Albert S.

Combustion Processes Company, assignee: *See*—
Urquhart, Norman J., and Rider.

Comeau, John E., Culver City, assignor to The Garrett Corporation, Los Angeles, Calif. Flow control apparatus. 2,662,547, Dec. 15.

Comer, Ann P., Easton, Pa., and R. G. D. Moore, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Diresorcyl sulfoxide and preparing the same. 2,661,376, Dec. 1.

Comer, John F., Mechanicville, N. Y. Lever hose sand valve. 2,627,282, Feb. 3.

Comery, Peter D., Cooksville, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Compensating metallic thrust ring. 2,656,227, Oct. 20.

Comery, Peter D., Cooksville, and J. T. Purvis, North York Township, York County, assignors to A. V. Roe Canada Limited, Malton, Ontario, Canada. Rotor blade locking. 2,641,443, June 9.

Comey, Charles S., and M. F. Saxton, assignors to The Engineered Products Company, Flint, Mich. Door latch. 2,638,771, May 19.

Comfort Spring Corporation, assignee: *See*—
Gauci, Joseph, and Quinn.

Commerce, United States of America as represented by the Secretary of, assignee: *See*—
Brenner, Abner, and Couch.
De Lollis, Nicholas J.
Hipple, John A., Jr.
Isbell, Horace S.
Martin, William L., Slutz, and Senf.
Rudy, Robert B.
Stumm, Philip W.

Commercial Controls Corporation, assignee: *See*—
Gottschau, Christian M.
Lambert, Harry L.
Uhl, William H.
Uhl, William H., and Ziegelhoefer.

Commercial Decal, Inc., assignee: *See*—
Sias, Arthur C.

Commercial Lithograph Company, Ltd., assignee: *See*—
Smith, Walter H.

Commercial Patents Limited, assignee: *See*—
Jones, George F.

Commercial Solvents Corporation, assignee: *See*—
Harned, Roger L.
Hodge, Edward B.
Keko, Wilbur L., Bennett and Arzberger.
Schmitz, Fred W.
Schwartz, Anthony M.
Stengel, Leonard A., and Brodhacker.
Tindall, John B.
Tindall, John B., and Fraza.
Young, Vernon V.

Commet, Charles A., Bowdle, S. Dak., and C. F. Friman, New York, N. Y. Form for concrete constructions. 2,642,645, June 23.

Commissariat à l'Energie Atomique, assignee: *See*—
Chaminade, Robert.

Common, James L.: *See*—
Rusoff, Irving I., and Common.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Belitz, Hans G., and Davis.
Crosby, Melvin A.
Davis, Oliver F., and Belitz.
Fink, Albert O.
Fink, Albert O., and Bishop.
Miller, Francis B.
Stauffer, William R.
Toulmin, Harry A., Jr.
Toulmin, Harry A., Jr., and Stauffer.
Wenzelberger, Elwood P.

Commonwealth Scientific and Industrial Research Organization, assignee: *See*—
Hatt, Harold H., Strasser, and Troyahn.
Walsh, Alan.

Communication Engineering Pty. Limited, assignee: *See*—
Chodziesner, Georg F.
Law, Peter L.
Skillman, Thomas S., and Law.

Communication Measurements Laboratory, assignee: *See*—
Griffin, Dana A.

Como, Alma, Sulphur, La. Mold for making concrete steps. 2,652,614, Sept. 22.

Compa, Russell E., Bogota, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Plodded high-lather toilet soap and making same. 2,649,417, Aug. 18.

Compagnie Auxiliaire des Mines, assignee: *See*—
Robillard, André A.

Compagnie de Pont-a-Mousson, assignee: *See*—
David, Pierre.

Compagnie des Freins & Signaux Westinghouse, assignee: *See*—
Chaudoye, Noëlle, and Fourdeux.
Doucot, Roger.

Compagnie des Machines Bull (Societa Anonyme), assignee: *See*—
Leclerc, Bruno M. J.

Compagnie du Celluloid Petitcollin-Oyonnithe, assignee: *See*—
Villemejane, Jacques.

Compagnie Electro-Mecanique, assignee: *See*—
Darrieus, Georges.

Compagnie Française des Matieres Colorantes S. A., assignee: *See*—
Lantz, Robert L.
Lantz, Robert L., and Krémer.
Lantz, Robert, and Mingasson.

Compagnie Generale d'Electricite, assignee: *See*—
Bitterli, Emile V., and Forrer.
Dmard, Paul C.

Compagnie Generale d'Electricite, Societe anonyme, assignee: *See*—
Pouzet, Georges L.

Compagnie Generale d'Electro-Ceramique, assignee: *See*—
Schuepp, Paul.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Bernier, Jean.
Bernier, Jean, and Brossart.
Bezy, Georges.
Bruck, Henri.
Kleen, Werner, and Huber.
Lerbs, Alfred.
Naday, Georges.
Naday, Georges, and Perato.

Compagnie Generale des Conduites d'Eau, assignee: *See*—
Heimberg, Karl.
Compagnie Generale du Duralumin et du Cuivre, assignee: *See*—
Tschudnowsky, Jean R.
Compagnie Geologique et Miniere des Ingenieurs et Industriels Belges "Geomines" Societe par Actions a Responsabilite Limitee, assignee: *See*—
Kroll, Adolphe V.
Compagnie Industrielle des Telephones, assignee: *See*—
Jouguet, Marc.
Lesigne, Henri L.
Selz, Jacques.
Compagnie Internationale des Pieux Armés Frankignoul, Société Anonyme, assignee: *See*—
Jourdain, André P.
Pickman, Edgard.
Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, assignee: *See*—
Dubusc, Roger P.
Compagnie Saliniere de la Camargue, assignee: *See*—
Jullien, Agricol.
Compañía Industrial, assignee: *See*—
Appuhn, Klaus.
Compco Corporation, assignee: *See*—
Eastman, Fred L.
Compo Shoe Machinery Corporation, assignee: *See*—
Dodge, Milton L. and A. A.
Composto, Frank R., Brooklyn, N. Y. Educational toy. 2,656,617, Oct. 27.
Comptoir Industriel d'Etirage et Profilage de Metaux, assignee: *See*—
Sejournet, Jacques.
Compton, Ell D., Greenwood, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing synthetic tannins by dehydrating and sulfonating a novolak resin in a vacuum. 2,663,698, Dec. 22.
Compton, Henry P., Abilene, Tex. Package dispenser. 2,624,648, Jan. 6.
Compule Corporation, The, assignee: *See*—
Lockhart, Marshall L.
Computer Research Corporation of California, assignee: *See*—
Wolfe, Albert E., Jr.
Comstock, Alfred E., Chicago, Ill. Automatic phonograph. 2,628,843, Feb. 17.
Comstock, Alfred E., Chicago, Ill. Automatic phonograph. 2,628,844, Feb. 17.
Comstock, Alfred E., Palmer, Mass., assignor to Shellmar Products Corporation, Chicago, Ill. Molded pulp carton press. 2,640,401, June 2.
Comstock, Alfred E., Palmer, Mass., assignor to Shellmar Products Corporation, Chicago, Ill. Molded pulp carton press. 2,640,402, June 2.
Comstock, Carl D., Levittown, N. Y. Electric throttle control. 2,643,747, June 30.
Comstock, Daniel F.: *See*—
Whitney, Lyman F., Whitney, and Comstock.
Comstock, Emerson F.: *See*—
Paris, Robert E., Bakelaar, and Comstock.
Comstock, George E., 3d, Holden, assignor to Norton Company, Worcester, Mass. Snagging grinder. 2,651,888, Sept. 15.
Comstock, George E., 3d, assignor to Norton Company, Worcester, Mass. Dilatometer. 2,656,712, Oct. 27.
Comstock & Wescott, Inc., assignee: *See*—
Weaver, Eastman A.
Whitney, Lyman F., Whitney, and Comstock.
Comstock, Willard F., Charleston, W. Va. Electrically operated incinerator. 2,653,213, Sept. 22.
Conant, Harold B., Lincoln, Nebr. Metallic rectifier construction. 2,656,493, Oct. 20.
Conant, Louis A., and D. M. Gillies, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Tungsten - chromium - alumina metal ceramics. 2,656,596, Oct. 27.
Conary, Robert E., and R. F. McCleary, Beacon, assignors to The Texas Company, New York, N. Y. Alkylation of thianaphthene. 2,652,405, Sept. 15.
Conaway, Ernest A., Jr., assignee: *See*—
Conaway, Ernest A., Sr.
Conaway, Ernest A., Sr., Chicago, Ill., assignor to E. A. Conaway, Jr., Brooklyn, N. Y., D. C. Jennings, Lake Wales, Fla., and P. C. Miller, Oak Park, Ill. Snap strap seal. 2,656,209, Oct. 20.
Conbere, John P.: *See*—
Rogers, Edward F., and Conbere.
Concello, Arthur M., Bloomington, Ill. Portable seating structure. 2,635,889, Apr. 21.
Conceiman, Carl W., Brookfield, Conn., assignor to Hazeltine Research, Inc., Chicago, Ill. Electrical switch. 2,640,115, May 26.
Concentric Manufacturing Co. Limited, assignee: *See*—
Elvis, Wilfred H.
Condax, Louis M., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic color reproduction process. 2,652,327, Sept. 15.
Condell, Raymond H., Philadelphia, Pa., assignor to The Sharples Corporation. Centrifugal valve assembly. 2,635,617, Apr. 21.
Condenser Service & Engineering Co. Inc., assignee: *See*—
Weber, Nicholas.
Condit, Paul C., Berkeley, and J. A. Spence, Richmond, assignors to California Research Corporation, San Francisco, Calif. Production of oxygen-containing carbon compounds. 2,647,149, July 28.
Condon, Donald F., Houston, Tex. Rubber based metallic skate guard. 2,642,291, June 16.
Condon, Francis B.: *See*—
Burgoyne, Edward E., and Condon.
Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of 9-chloro- or 9-bromodecalin. 2,629,748, Feb. 24.
Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of isomerizing paraffins with aluminum halides and cis-decalin. 2,629,754, Feb. 24.
Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preservation of tertiary halides with anhydrous carbonates. 2,632,029, Mar. 17.
Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Concentration and use of methylcyclopentane in 2,2,4-trimethylpentane isomerization. 2,646,453, July 21.
Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of aromatic hydrocarbons with isoparaffins. 2,653,980, Sept. 29.
Condon, Francis E., Borger, Tex., and E. E. Burgoyne, Bartlesville, Okla., assignors to Phillips Petroleum Company. Preparation of furans. 2,650,236, Aug. 25.
Condon, James W., The Dalles, Oreg. Protective visor for mirrors. 2,649,839, Aug. 25.
Condon, John C., Oak Park, Ill., assignor of one-half to W. K. Munson, Red Bank, N. J. Sales ticket cartridge. 2,649,193, Aug. 18.
Condon, Raymond J., Osborn, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid level indicating apparatus. 2,648,982, Aug. 18.
Condra, Elmo L., Long Beach, Calif. Pipe cutter or reamer for use on crooked pipe. 2,638,320, May 12.
Condra, Elmo L., Long Beach, Calif. Oil well casing cutter for side windows. 2,638,322, May 12.
Condra, Elmo L., Long Beach, Calif. Pipe repair sleeve. 2,638,987, May 19.
Cone Automatic Machine Company Inc., assignee: *See*—
Brown, Roger W.
Cone, Carroll, and J. Huebler, near Toledo, assignors to Surface Combustion Corporation, Toledo, Ohio. High-temperature cleaning of ferrous metal. 2,625,495, Jan. 13.
Cone, Carroll, near Toledo, Ohio, and W. H. Dalley, Jr., near Library, Pa., assignors to Surface Combustion Corporation, Toledo, Ohio. Combustion apparatus using preheated air. 2,639,910, May 26.
Cone, Clarence N., Haverford, Pa. Cooking apparatus. 2,634,749, Apr. 14.
Cone, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Power-operated dirigible spotlight having a single driving motor. 2,632,097, Mar. 17.
Cone, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Illuminated fender guide. 2,636,109, Apr. 21.
Cone, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Steam and dry flatiron 2,659,989, Nov. 24.
Cone, Richard R., assignor to Threads Incorporated, Gastonia, N. C. Quiller rake. 2,652,203, Sept. 15.
Conelstan Corporation, assignee: *See*—
Bloom, Israel, and Abrams.
Cones, Ben, Indianapolis, Ind. Proportional, convection warming and circulating system. 2,638,834, May 19.
Cones, Ben, Indianapolis, Ind. Accelerator and diffusing nozzle for ventilating stacks. 2,654,528, Oct. 6.
Cones, Edgar B.: *See*—
Keeton, James C., and Cones.
Coney, Charles H., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Solvent polishing-injection molded articles of cellulose acetate-butyrate. 2,651,811, Sept. 15.
Configured Tube Products Company, assignee: *See*—
Dolby, John W.
Confino, Albert, New York, N. Y. Aligning means for neckties. 2,652,569, Sept. 22.
Confort, John, assignee: *See*—
Kelly, William M.
Congdon, Ernest, Upper Darby, Pa. Tape or web reading device. 2,637,129, May 5.
Congelli, Henry C., Belmont, N. Y., assignor to American Machine & Foundry Company. Bowling ball handling apparatus. 2,626,803, Jan. 27.
Conger, Emory R., Mendota, Calif. Quiz card game. 2,652,635, Sept. 22.
Congoleum-Nairn Inc., assignee: *See*—
Benedict, Walter E., and Van Sciver.
Corson, Ralph.
Ward, Hugh.
Conkle, Samuel F., Columbus, Ohio. Culinary device. 2,659,144, Nov. 17.
Conklin, Dean S., North Hollywood, assignor to Conklin Products Corporation, Los Angeles, Calif. Grapefruit knife. 2,637,899, May 12.
Conklin, George W.: *See*—
Morris, Rupert C., and Conklin.
Conklin, Leroy R.: *See*—
Geiszler, Albert R., and Conklin.

Conklin Products Corporation, assignee: *See*—
Conklin, Dean S.
Conklin, Robert M.: *See*—
Waldie, George A., and Conklin.
Conklin, Robert M., and A. Scharf, Columbus, Ohio, assignors, by mesne assignments, to Schlage Lock Company, San Francisco, Calif. Door closer with constant flow orifice. 2,629,127, Feb. 24.
Conklin, Robert M., Columbus, and H. W. Herring, Linworth, assignors, by mesne assignments, to Buckeye Iron & Brass Works, Dayton, Ohio. Loading valve and method of controlling fluid flow. 2,642,086, June 16.
Conkling, William C., assignor to Richmond Manufacturing Company, Lockport, N. Y. Stream splitter for driving granular materials. 2,625,305, Jan. 13.
Conkling, William C., assignor to Richmond Manufacturing Company, Lockport, N. Y. Mechanism for producing gyratory motion. 2,657,582, Nov. 3.
Conley, Joseph R., Birmingham, Mich. Stock condition indicator. 2,630,096, Mar. 3.
Conley, Meredith S., Cranford, N. J., assignor of one-half to J. B. Haynes, Richmond Hill, N. Y. Toy horse. 2,657,053, Oct. 27.
Conley, Thomas A., Harrisville, R. I., assignor to American Optical Company, Southbridge, Mass. Exhalation valve. 2,640,481, June 2.
Conlon-Moore Corporation, assignee: *See*—
Babcock, Henry H.
Conmar Products Corporation, assignee: *See*—
Bashover, Albert.
Berman, Hans, and Katz.
Kuzmick, Joseph N.
Scheuerman, Valentine.
Scheuermann, Otto G.
Ulrich, Frederick, and Disinger.
Conn, C. G., Ltd., assignee: *See*—
Loney, Hugh W.
Conn, Richard D.: *See*—
Munday, Richard B., and Conn.
Connavino, Nicholas J.: *See*—
Bartlett, Kenneth M., and Connavino.
Connecticut Footwear, Inc., assignee: *See*—
Spack, Maurice.
Connecticut Hard Rubber Company, The, assignee: *See*—
Panagrossi, Ahmed.
Pfenninger, Arnold, Jr.
Connecticut Telephone and Electric Corporation, assignee: *See*—
O'Neil, Paul T.
Connell, Amos C.: *See*—
Greenfield, Eugene W., and Connell.
Connell, George A.: *See*—
Taylor, Donald S., and Connell.
Connell, George A., Los Angeles, Calif., assignor to Borax Consolidated, Limited, London, England. Supersaturated borax solutions and methods and compositions for producing same. 2,643,947, June 30.
Connell, Lawrence H., Detroit, Mich. Method and means of magnetic recording and reproducing sound. 2,637,561, May 5.
Connell, Lawrence H., Detroit, Mich. Apparatus for magnetic recording. 2,655,561, Oct. 13.
Connell, Lawrence H., Detroit, Mich. Magnetic reproducing service for automobiles. 2,655,563, Oct. 13.
Connell, Maurice W., Buffalo, N. Y. Bare wire thermocouple holder. 2,625,573, Jan. 13.
Connelly, Inc., assignee: *See*—
Grimm, Frank C., Jr., and Taylor.
Connelly, Regis A.: *See*—
Ebert, Walter A., and Connelly.
Conner, Joshua C., Jr., assignor to Herculas Powder Company, Wilmington, Del. Oxidation or aromatic hydrocarbons. 2,632,026, Mar. 17.
Conner, Joshua C., Jr., assignor to Hercules Powder Company, Wilmington, Del. Production of phenols and acyclic aldehydes. 2,661,375, Dec. 1.
Conner, Joshua C., Jr., and A. D. Lohr, assignors to Hercules Powder Company, Wilmington, Del. Oxidation of aromatic hydrocarbons. 2,632,774, Mar. 24.
Conner, Luther O., Tampa, Fla., assignor to Maestre's Industries, Ltd. Operator for jalousies and Venetian windows. 2,630,318, Mar. 3.
Conner, Russell L., Delaware, Ohio. Boltless rail joint and splice. 2,636,686, Apr. 28.
Connolly, Charles E., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Machine for punching records. 2,647,580, Aug. 4.
Connolly, Charles E., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Machine for marking statistical records by conductive marks. 2,654,459, Oct. 6.
Connolly, Gerald C., Elizabeth, and D. L. Cottle, Highland Park, N. J., assignors to Standard Oil Development Company. Oxidation of olefins to alkenals. 2,627,527, Feb. 3.
Connolly, John J.: *See*—
Finizle, Tomun, and Connolly.
Connollys (Blackley) Limited, assignee: *See*—
Travis, William.
Connor, Roger, and H. E. Hooe, assignor to The McBee Company, Athens, Ohio. Apparatus and method of cutting adhesive material and mounting the same upon a card. 2,627,212, Feb. 3.
Connor, Roger, and H. E. Hooe, assignors to The McBee Company, Athens, Ohio. Apparatus for cutting and mounting frames of adhesive-coated material. 2,647,578, Aug. 4.
Connor, W. B., Engineering Corp., assignee: *See*—
Dauphinee, George S.
Connors, George H., assignor to Highway Trailer Company, Edgerton, Wis. Automatic inflation valve. 2,642,110, June 16.
Connors, Harry E., Fairview Park, Ohio, and Edgefield, Park Forest, Ill., assignors to The B. F. Goodrich Company, New York, N. Y. Aqueous synthetic latex dispersion for the production of nontacky, nonblocking films and coatings. 2,636,870, Apr. 28.
Connors, John, Hamden, assignor to The Greist Manufacturing Company, New Haven, Conn. Attaching foot for sewing machine attachments. 2,657,654, July 14.
Connors, John J.: *See*—
Healy, Frank L., and Connors.
Connors, Joseph B., Jersey City, N. J. Girdle. 2,655,158, Oct. 20.
Conover, James H., assignor to United States Gypsum Company, Chicago, Ill. Treatment of cellulosic fibers. 2,639,989, May 26.
Conover, Warren C., assignor to Outboard, Marine Manufacturing Company, Waukegan, Ill. Idling means for two-cycle engines. 2,656,827, Oct. 27.
Conover, Warren C., assignor to Outboard, Marine Manufacturing Company, Waukegan, Ill. Fuel pumping means using crankcase pressure developed in a two-cycle engine for delivering fuel to the engine. 2,656,828, Oct. 27.
Conquest, Victor, trustee, assignee: *See*—
Beadle, Buell W., and Kraybill.
Conrad, Charles W., Philadelphia, Pa. Valve. 2,636,514, May 26.
Conrad, George J., Baltimore, Md. Self-dumping hopper. 2,652,837, Sept. 22.
Conrad, John F., assignor to Deltron Electric Corporation Inc., Ebensburg, Pa. Fused electrical switch. 2,636,956, Apr. 28.
Conrad, John F., assignor to Deltron Electric Corporation Inc., Ebensburg, Pa. Trolley wire tap. 2,636,957, Apr. 28.
Conrad, Martin B.: *See*—
Baker, John R., and Conrad.
Baker, Reuben C., and Conrad.
Conrad, Mary E., assignee: *See*—
Teahen, James M.
Conradson, Prentice H., Chicago, Ill., assignor by mesne to T. P. Slattery, Dearborn, Mich. Grinding machine. 2,647,346, Aug. 4.
Conradty, C., assignee: *See*—
Leuchs, Friedrich, and Zöllner.
Conroy, Edward A., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-substituted aminopiperazines and preparing the same. 2,663,708, Dec. 22.
Conroy, Edward A., Plainfield, and R. P. Parrish, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Amino piperazines and preparing same. 2,663,707, Dec. 22.
Consoletti, Paul C., Milford, assignor to Draper Corporation, Hopedale, Mass. Suspending means for harness frames. 2,625,957, Jan. 20.
Consoletti, Paul C., Milford, assignor to Draper Corporation, Hopedale, Mass. Heddle bar hanger. 2,655,955, Apr. 14.
Consoletti, Paul C., Milford, assignor to Draper Corporation, Hopedale, Mass. Heddle bar hanger. 2,655,956, Apr. 14.
Consoletti, Paul C., Milford, assignor to Draper Corporation, Hopedale, Mass. Harness frame suspension device. 2,640,506, June 2.
Consolidated Brass Company, assignee: *See*—
Leffler, Earl H.
Consolidated Car-Heating Company, Inc., assignee: *See*—
Griffiths, Emil S., and Cashman.
Hamilton, Wallace.
Consolidated Edison Company of New York, Inc., assignee: *See*—
Thomas, Earl R.
Consolidated Electric Company, assignee: *See*—
Adler, Robert.
Parisoe, Wilbert.
Consolidated Engineering Corporation, assignee: *See*—
Austin, Robert R.
Berry, Clifford E.
Goodwin, Paul S.
Lancor, Joseph H., Jr., and Delmonte.
Richardson, Arthur D.
Robinson, Charles F.
Robinson, Leland P., Washburn, and Hall.
Sink, Robert L.
Turner, George K.
Washburn, Harold W.
Washburn, Harold W., and Berry.
Consolidated Machine Tool Corporation, assignee: *See*—
Trosch, Alfred, and Roberts.
Consolidated Mining and Smelting Company of Canada Limited, The, assignee: *See*—
Heaps, John M., and Houlden.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Crandall, Ronald E., Kleven, and Baldwin.
Davis, Jarrell B.
Fiske, Ransom M.
Gibb, Harold A.
Holland, Herman.
Larson, John W., and Tooley.
Pfrankuch, Leo A.
Savard, Arthur J.
Wehmanen, Oscar Y.

Consolidated Water Power & Paper Company, assignee: *See*—
Fisher, Harry C., and Sooy.

Constant, Antime, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Fertilizers and producing them. 2,635,955, Apr. 21.

Constantine, Arthur R.: *See*—
Oeler, Richard C., and Constantine.

Constantine, Ferdinand F., West Caldwell, N. J. Artificial fireplace lighting system. 2,631,040, Mar. 10.

Constantine, George R., and A. F. Ball, Haverhill, assignors to The Service Wood Heel Co., Lawrence, Mass. Wedge-heel shaping machine. 2,639,742, May 26.

Constantine, Leonard R., Greensburg, C. T. Evans, Jr., Delmont, and E. S. Dennison, Hempfield Township, Westmoreland County, assignors to Elliott Company, Jeannette, Pa. Gas turbine rotor and welding rotor disks together. 2,637,521, May 5.

Construction Aggregates Corporation, assignee: *See*—
Brinkman, Roy A.

Container Corporation of America, assignee: *See*—
Acker, Ralph E.
Borucki, Eugene J.
Carpenter, James R.
D'Esposito, Julian C.
Empkie, Frederic D., Jr.
Foster, Thomas W.
Foster, Thomas W., Schek, and Bradley.
Freeman, Claude C.
Goldsholl, Morton.
Hendrickson, Jacob W., Jr.
Holy, Mitchel E.
Johnson, Richard H.
Kells, Benjamin F.
Kells, Benjamin F., and Sfder.
Kincaid, Elbert B.
Ohrn, Rudolph E.
Poole, William J.
Shanahan, Curtis M.
Swafford, Carl R.

Contant, Peter R.: *See*—
Sullivan, Raymond H., and Contant.

Contant, Peter R., and R. H. Sullivan, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Electric clock. 2,642,714, June 23.

Contento, Joseph A., Albany, N. Y. Lady's lighted handbag. 2,647,201, July 28.

Conti, Alfred R., assignee: *See*—
Speicher, Elmer W.

Conti, Angelo J.: *See*—
Heller, Max A., and Conti.

Conti, John D., Elkins Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for making linked products. 2,663,982, Dec. 29.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Package. 2,652,335, Sept. 15.

Continental Aviation and Engineering Corporation, assignee: *See*—
Bachle, Carl F.
Hiersch, Frederick A.

Continental Belton Company, assignee: *See*—
Bannister, Harold V.

Continental Can Company, Inc., assignee: *See*—
Bendix, Gordon H., and Breden.
Dodge, Thomas C.
Eggerss, Hans A.
Henchert, John.
Johnson, Scott R., and Blaing-Leisk.
Johnson, Scott R., and Walter.
Magnus, Carl E.
Maier, Curtis E.
Maier, Curtis E., Brockett, and Larson.

Continental Car-Na-Var Corporation, assignee: *See*—
Keen, Hermon C.

Continental Copper & Steel Industries, Inc., assignee: *See*—
Ustin, George.

Continental Elastic Corporation, The, assignee: *See*—
Dexter, Robert G.
O'Neill, Harry T.

Continental Electric Company, assignee: *See*—
Anderson, Norman C.
Benes, John J., Jr.

Continental Electric Equipment Co., assignee: *See*—
Shirbuck, Herman S.

Continental Foundry & Machine Company, assignee: *See*—
Howse, Curtis L.
Veenschoten, Vincent V.

Continental Gin Company, assignee: *See*—
Ford, Wise L.

Continental Hospital Service, Inc., assignee: *See*—
Dixon, Edward C., and Chilton.

Continental Machines, Inc., assignee: *See*—
Crane, Robert L.

Continental Motors Corporation, assignee: *See*—
Altman, Peter.
Altman, Peter, and Bakke.
Bachle, Carl F.
Bakke, Laurence D.
Dittmer, Raymond A.
Engstrom, William A.
Hoxie, Ralph A.
McGowen, Frank.
Powell, Robert J.

Continental Oil Company, assignee: *See*—
Bennett, Edwin O.
Jensen, Warren L.

Continental Silver Co. Inc., assignee: *See*—
Kolisch, Emil.

Continental Specialties Company, Ltd., assignee: *See*—
Soule, Arthur H.

Continental Supply Company, The, assignee: *See*—
Sionneger, John C.

Continental Transport Appliances, Limited, assignee: *See*—
Dorey, George B.

Continenza, Joseph, Stuart, Fla. Float valve for water dispensers. 2,663,312, Dec. 22.

Continuous Metalcast Co., Inc., assignee: *See*—
Easton, Rufus, and Wilson.

Contraves A. G., assignee: *See*—
Gerber, Alfred.

Control Forms, Inc., assignee: *See*—
Dickson, Roy H.

Control Instrument Company, Inc., assignee: *See*—
Lehde, Henry C.
Lohse, Edward, and Gross.

Converse, Sherman, Aiken, and C. M. McKeown, Greenville, S. C. Automatic device for mixing and feeding dyestuff to dyeing apparatus. 2,630,002, Mar. 3.

Converto Mfg. Co., Inc., assignee: *See*—
Kuster, Harry B.

Conveyor Company, Inc., The, assignee: *See*—
Saxe, Walter E.

Conveyor Company, The, assignee: *See*—
Saxe, Walter E.

Convy Heel Covering Co., assignee: *See*—
Reicheneder, William J., Miller, and Wolf.

Conway, Joseph D., Cleveland Heights, Ohio. Apparatus having compound motion carpet engaging means for beating carpets or rugs. 2,645,799, July 21.

Conway, Joseph D., Cleveland Heights, Ohio. Portable brushing and nap-raising attachment for carpet cleaning machines. 2,663,045, Dec. 22.

Conway, Hugh G., G. Orloff, and R. Fairclough, Gloucester, England, assignors to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Hydraulic power system. 2,659,204, Nov. 17.

Conwell, Charles R., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Hollow type aeronautical propeller. 2,657,754, Nov. 3.

Conwell, John W., St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Sulfuric acid recovery process. 2,631,974, Mar. 17.

Conyers, James B., Atlanta, Ga. Three-legged carrier for invalids. 2,659,092, Nov. 17.

Couzelman, John E., Jr., Sierra Madre, H. B. Ellis, La Canada, and C. W. O'Brien, Los Angeles, Calif. Prosthetic device sensory attachment. 2,656,545, Oct. 27.

Coogan, John E., Carbondale, Pa. Alarm control for clocks and photoelectric switches. 2,626,662, Jan. 27.

Cook, Albert N.: *See*—
Cataldo, John B., and Cook.

Cook, Arthur H.: *See*—
Heilbron, Ian, Cook, and Levy.

Cook, Charles A., Jackson, assignor to Clark Equipment Company, Buchanan, Mich. Clutch construction. 2,647,596, Aug. 4.

Cook, Charles S.: *See*—
Allyn, William G., and Cook.
Allyn, William N., Cook, Browne, Scott, and Carroll.

Cook, Charles S., Sennett, and H. L. Becker, assignors to Welch Allyn, Inc., Auburn, N. Y. Locking means for folding laryngoscopes. 2,646,037, July 21.

Cook, Curtiss L., and A. E. Young, Syracuse, N. Y., and J. H. Edman, Dubuque, Iowa, assignors, by mesne assignments, to Deere & Company, Moline, Ill. Bulldozer. 2,626,470, Jan. 27.

Cook, David C., Seattle, Wash., and C. M. Gilbert, Chappaqua, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic voltage regulator circuit. 2,653,235, Sept. 22.

Cook, Don F.: *See*—
Eckhardt, Owen S., Cook, and Knapp.

Cook, Edgar S., Redlands, Calif. Retractable landing gear for model planes. 2,645,882, July 21.

Cook, Edward G.: *See*—
Van Valkenburg, Howard E., and Cook.

Cook, Einar, Fresno, Calif. Hydraulic control system. 2,635,519, Apr. 21.

Cook Electric Company, assignee: *See*—
Baker, John S.
Flubacker, Charles H.
McDonald, Donald C., Mathews, and Boe.

Cook, Ellsworth D.: *See*—
Summerhayes, Harry R., Jr., and Cook.

Cook, Emmett B., assignee: *See*—
Aggson, Robert E.

Cook, Ernest A., Ocala, Fla. Trailer hitch. 2,635,891, Apr. 21.

Cook, Eugene B., Hales Corners, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vibratory assemblage. 2,634,616, Apr. 14.

Cook, Eugene B., Milwaukee, Wis. Apparatus for viewing or projecting colored slides or transparencies. 2,645,869, July 21.

Cook, Frank, Anaheim, Calif. Drawer guide. 2,627,447, Feb. 3.

Cook, Frank, Anaheim, Calif. Antiburst tube for pipes. 2,629,402, Feb. 24.

Cook, Frank W., Baldwinsville, N. Y., assignor to General Electric Company. Fastening device for shield cans. 2,639,311, May 19.

Cook, George R.: *See*—
Manteuffel, Allan, Cook, and Gilson.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective of variable focal length. 2,649,025, Aug. 18.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective of the telephoto type. 2,660,095, Nov. 24.

Cook, H. Albert: *See*—
Armstrong, George M., and Cook.

Cook, Harold C., Sr., Long Island City, N. Y. Garment hanger. 2,656,954, Oct. 27.

Cook, Harry M.: *See*—
Calhoun, James J., and Cook.

Cook, Harvey A., University Heights, Ohio. Occupant compartment superimposed on vehicle body. 2,645,518, July 14.

Cook, Harvey A., University Heights, Ohio. Explosion-cycle inducer-disk valve turbojet engine for aircraft propulsion. 2,659,198, Nov. 17.

Cook, Herbert, Edmonton, Alberta, Canada. Deep well fishing tool. 2,660,468, Nov. 24.

Cook, Ira A., Westminster, Calif. Mouse and rat trap. 2,640,293, June 2.

Cook, Irving L., Suring, Wis. Nonanatomic posterior denture teeth. 2,661,536, Dec. 8.

Cook, James E., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Bearing assembly for absorbing vibrations of centrifuge spindles and the like. 2,639,953, May 26.

Cook, John S., Kansas City, and D. V. Whitney, Jr., Liberty, Mo., assignors to Armour and Company, Chicago, Ill. Medicine bottle label. 2,659,614, Nov. 17.

Cook, Leslie J., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electron source. 2,640,949, June 2.

Cook, Leslie J., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Point electron source. 2,640,950, June 2.

Cook, Martin L., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Cup feed sewing machine. 2,632,412, Mar. 24.

Cook, Nelson E., and S. L. Norteman, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Terne coating metal and terne coated product. 2,647,304, Aug. 4.

Cook, Nelson E., and S. L. Norteman, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Tight coat hot dip galvanizing and hot dip galvanized product. 2,647,305, Aug. 4.

Cook, Norman E., Monroe, Mich. Jig. 2,655,821, Oct. 20.

Cook, Paul M., Palo Alto, Calif., assignor to Carnegie Institution of Washington, Washington, D. C. Apparatus and process for the production of photosynthetic microorganisms, particularly algae. 2,658,310, Nov. 10.

Cook, Philip E., South Bend, Ind. Baby crib convertible into a playpen. 2,641,772, June 16.

Cook, Ralph W., Hewett, W. Va. Lawn sprinkler. 2,631,060, Mar. 10.

Cook, Richard S., Rockledge, and W. E. Craig, assignors to Rohm & Haas Company, Philadelphia, Pa. Dodecenylcyclohexylamines. 2,653,170, Sept. 22.

Cook, Robert F., Jr., Tulsa, Okla. Wire stripper. 2,627,768, Feb. 10.

Cook, Robert R., Springfield, and A. C. Hatch, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Sand mold binders. 2,657,974, Nov. 3.

Cook, Roy W., Green River, Utah. Telescopic chalk line device. 2,655,728, Oct. 20.

Cook, Thomas L., and A. J. Hollingsworth, San Francisco, Calif., said Hollingsworth assignor to said Cook. Machine for applying labels to the sides of articles as they are moved on their ends through the machine. 2,635,776, Apr. 21.

Cook, Wayne S., Grand Rapids, Mich., assignor to Sackner Products, Inc. Edge roll for upholstered furniture. 2,627,902, Feb. 10.

Cook, Wayne S., and J. S. Robinson, Grand Rapids, Mich., assignors to Sackner Products, Inc. Machine for forming rolls from web stock. 2,635,401, Apr. 21.

Cook, Wayne S., Grand Rapids, Mich., assignor t
Products, Inc. Edge roll for upholstery and
2,638,157, May 12.

Cook, William J., Lansdale, Pa., assignor,
assignments, to Eastern Metals Research Co.
York, N. Y. Spring device. 2,647,743, Aug.

Cooke, Charles S., Joliet, and L. Z. Barnard,
Township, Will County, Ill. Roller skat
2,633,387, Mar. 31.

Cooke, Conrad H.: *See*—
Gordon, Samuel A., Espy, Cooke, and Gert
Kanode, Albert E., Cooke, and Lindquist.

Cooke, Francis C., East Hampton, Conn. Twi
cord connector. 2,657,368, Oct. 27.

Cooke, Frank, North Brookfield, assignor to
Optical Company, Southbridge, Mass. Abradi
2,649,667, Aug. 25.

Cooke, Henry H., and D. Russo, Elizabeth, N. J.,
to Standard Oil Development Company. Wa
cone oil auto polish. 2,626,870, Jan. 27.

Cooke, Robert L., assignor to C. D. J. Smith,
Mass. Chainmaking apparatus. 2,637,159,

Cooke-Yarborough, Edmund H.: *See*—
Thomas, David G. A., and Cooke-Yarboro

Cooke-Yarborough, Edmund H., assignor, by
signments, to National Research Developmen
tions London, England. Amplitude-discrimin
cuits. 2,653,231, Sept. 22.

Cooksey, Otha, Louisville, Ky., assignor, by
signments, to E. G. Korlath and H. F. T
partners, doing business as Korthe Enginee
pany, Schiller Park, Ill. Method and appa
control of webs in web-handling machines.
Sept. 29.

Cookson, Leonard T., assignor to The Upjohn
Kalamazoo, Mich. Adjustable work suppor
ber. 2,625,099, Jan. 13.

Cookson, Leonard T., assignor to The Upjohn
Kalamazoo, Mich. Indexing device for bott
machines. 2,660,354, Nov. 24.

Cookson, William, Fareham, England. Cont
closure therefor. 2,633,266, Mar. 31.

Cool, Kenneth A., Cleveland, J. M. Hush, D
Ernst, Mount Gilead, and D. E. Bench, D
signors to The Service Recorder Company,
Ohio. Electrically operated recorder.
Aug. 11.

Cooley, Austin G., New York, N. Y., and H.
Jenkintown, Pa., assignors to Timefax Co
New York, N. Y. Telefacsimile recording
cating paper and making same. 2,638,422,

Cooley, Austin G., assignor to Times Facsimil
tion, New York, N. Y. Stylus drive for fa
corders. 2,643,173, June 23.

Cooley, Austin G., assignor to Times Facsimil
tion, New York, N. Y. Facsimile stylus c
drive system. 2,643,174, June 23.

Coolidge, Arthur W., Jr., Scotia, N. Y., assign
eral Electric Company. Gas-filled grid cont
tronic tube. 2,653,265, Sept. 22.

Coolidge, John E.: *See*—
Macaulay, William R., and Coolidge.

Coolidge, Roger S., Center Sandwich, N. H., H
New York, N. Y., R. S. Smith, Norwalk, Conn
Anderson, Huntington Station, N. Y. P
chargeable flashlight. 2,642,520, June 16.

Coombes, Joseph H., Jenkintown, assignor to
Company, Philadelphia, Pa. Inertia-control
device. 2,626,998, Jan. 27.

Coombes, Joseph H., Jenkintown, Pa., and
Grosse Pointe, Mich., assignors to The Budd
Philadelphia, Pa. Brake mechanism with
shoes. 2,650,680, Sept. 1.

Coombs, Eric P., Finchley, London, assignor to
Sludge Limited, London, England. Diffuser
2,639,131, May 19.

Coombs, Robert S., San Francisco, Calif. Auto
system for motorcars. Re. 23,719, Oct. 6.

Coon, Harold R., Sr., and E. J. Rapp, To
assignors to Lynch Corporation, Anderson, I
ing and elevating device. 2,646,898, July

Cooney, John R., Waldoboro, Maine. Carrier
tercommunication apparatus. 2,632,812, Ma

Cooney, Patricia M.: *See*—
Schwab, Arthur W., Cooney, and Evans.

Cooney, Ralph B., New York, N. Y. Treasure
board and clues. 2,635,881, Apr. 21.

Coonradt, Harry L., Woodbury, B. W. Rope, M
and A. N. Sachanen, Woodbury, N. J., a
Socony-Vacuum Oil Company, Incorporated,
containing lubricant. 2,627,528, Feb. 3.

Coonradt, Harry L., Woodbury, B. W. Rope, M
and A. N. Sachanen, Woodbury, N. J., a
Socony-Vacuum Oil Company, Incorporated,
containing lubricant. 2,628,196, Feb. 10.

Coons, Burton C., San Jose, Calif., assignor t
chinery and Chemical Corporation. Apr
feeding and orienting pears. 2,632,552, Ma

Coons, Burton C., San Jose, Calif., assignor t
chinery and Chemical Corporation. Tomato
coring machine. 2,649,878, Aug. 25.

Coons, Karl W., Kalamazoo, Mich. Fish lure.
Apr. 21.

Coons, Willard B., Santa Clara, Calif. Fruit feeding, impaling, peeling, trimming, celling, coring, and splitting apparatus. 2,664,129, Dec. 29.
Coop, William L., Hawthorne, Calif. Thumb screw with torque responsive overload release. 2,634,650, Apr. 14.
Cooper Alloy Foundry Co., The, assignee: *See*— Mott, Norman S.
Cooper, Allyn R., assignor of one-half to H. M. Cooper, Marshalltown, Iowa. Mower wheel seal. 2,639,929, May 26.
Cooper, Basil P., and J. N. Henshaw, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Finishing tops of hosiery forms. 2,635,291, Apr. 21.
Cooper, Benjamin, New York, N. Y. Prefabricated canopy for toll collection booths. 2,636,456, Apr. 28.
Cooper, Benjamin, New York, N. Y. Interlock system. 2,641,919, June 16.
Cooper, Benjamin, New York, and M. J. Charet, Brooklyn, N. Y., said Charet assignor to said Cooper. Roof drainage system for toll booth canopies. 2,642,017, June 16.
Cooper, Charles L., Los Angeles, Calif. Drive system for roller coasters. 2,642,005, June 16.
Cooper, David P., assignor to The Cold Metal Products Company, Youngstown, Ohio. Conveyer furnace. 2,634,964, Apr. 14.
Cooper, Douglas E.: *See*— McDuffie, Harold F., Jr., and Cooper.
Cooper, Douglas E., Syracuse, and L. C. Cheney, Fayetteville, assignors to Bristol Laboratories Inc., Syracuse, N. Y. Antiseptic and preparation thereof. 2,632,775, Mar. 24.
Cooper, Ellis W., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Stretching machine jaws. 2,625,196, Jan. 13.
Cooper, Ernest E., Wickford, R. I. Hook fastener. 2,634,996, Apr. 14.
Cooper, George T., Clifton, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of gaseous mixtures. 2,650,481, Sept. 1.
Cooper, Hal B. H., and E. C. Medcalf, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Separating predominantly aromatic hydrocarbons from predominantly saturated hydrocarbons by extractive distillation. 2,655,467, Oct. 13.
Cooper, Harold E., Tulsa, Okla. Paper jogger. 2,650,825, Sept. 1.
Cooper, Harold M., assignee: *See*— Cooper, Allyn R.
Cooper, Harold S. G., Cambridge, and H. L. Schultz, Wellesley, Mass., assignors, by mesne assignments, to the United States of America as repreented by the Secretary of War. Radar power supply system. 2,644,088, June 30.
Cooper, Henry E., Waltham, and D. L. Shanklin, Winchester, assignors to Dewey and Almy Chemical Company, Cambridge, Mass. Constant viscosity method of lining container closures. 2,651,586, Sept. 8.
Cooper, Henry G., U. S. Navy. Wheel driving and steering mechanism. 2,661,069, Dec. 1.
Cooper, Henry J., Stockport, England. Selvedge for woven fabrics. 2,637,351, May 5.
Cooper, Irven G., Silver Spring, Md. Sealing composition. 2,648,612, Aug. 11.
Cooper, Irving B., Jr., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Control system. 2,647,229, July 28.
Cooper, Jack R.: *See*— McManis, Louis B., and Cooper.
Cooper, James H., Grosse Pointe Park, assignor to McCord Corporation, Detroit, Mich. Tube construction. 2,655,181, Oct. 13.
Cooper, John, Franklin, La. Gunstock assembly for firearms. 2,627,688, Feb. 10.
Cooper, Joseph, Forest Hills, N. Y. Metal slide assembly for extension tables. 2,626,844, Jan. 27.
Cooper, Joseph H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Flash welder with variable secondary impedance. 2,636,965, Apr. 28.
Cooper, La Mar S., assignor to Amana Refrigeration, Inc., Cedar Rapids, Iowa. Refrigeration construction. 2,660,037, Nov. 24.
Cooper, Lynn F., Neenah, assignor, by mesne assignments, to Gilbert & Nash Company, Menasha, Wis. Guide for moving webs or sheets. 2,632,642, Mar. 24.
Cooper, Morris G.: *See*— Haworth, John W., and Cooper.
Cooper, Nelson D.: *See*— Kemper, Harry C., and Cooper.
Cooper, Pershing M., Helen, W. Va. Rail joint. 2,633,302, Mar. 31.
Cooper, Philip A.: *See*— Shagaloff, Harry C., and Cooper.
Cooper, Robert S., Manchester, assignor to Gabb Manufacturing Company, Inc., East Hartford, Conn. Snowplow. 2,632,263, Mar. 24.
Cooper, Robert S., Park Forest, Ill., assignor to Diamond Alkali Company, Cleveland, Ohio. Flame-resistant compositions comprising a transparent resin, chlorinated paraffin wax, and triphenyl stibine. 2,664,411, Dec. 29.
Cooper, Richard W., Hutchinson, Kans. Exhaust muffler with conical perforated baffles. 2,651,381, Sept. 8.
Cooper, Ross J., Toledo, Ohio. Pipe jack and adapter. 2,654,569, Oct. 6.
Cooper, Roy L., assignor of one-half to A. Larsen, Waterman, Ill. Antibackiash fishing reel. 2,658,696, Nov. 10.
Cooper, Stanley M., assignor to The Fafnir Bearing Company, New Britain, Conn. Locking collar. 2,650,141, Aug. 25.
Cooper, Victor J., Writtle, and J. E. A. Nixon, Colchester, assignors to Marconi's Wireless Telegraph Company Limited, London, England. Stabilized thermionic amplifier. 2,661,398, Dec. 1.
Cooper, William T., Phillips, Tex., assignor to Phillips Petroleum Company. Processing of sulfur-vulcanizable materials, and related compositions. 2,625,528, Jan. 13.
Cooperative Grange League Federation Exchange, Inc., assignee: *See*— Miller, Donald H.
Coopersmitth, Rudolph, Clayton, Mo. Sofa bed. 2,653,329, Sept. 29.
Coopersmith, Rudolph, Clayton, Mo. Folding frame for sofa beds. 2,654,896, Oct. 13.
Coopman, Wilfred M., Los Angeles, assignor to Cassman Manufacturing Co., Lomita, Calif. Shaft sealing device. 2,650,842, Sept. 1.
Coover, Harry W.: *See*— Dickey, Joseph B., and Coover. Dickey, Joseph B., Stanin, and Coover. Stanin, Theodore E., Coover, and Dickey.
Coover, Harry W., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Epoxy alkane phosphonates. 2,627,521, Feb. 3.
Coover, Harry W., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Polymers of phosphonic acid diamides with ureas. 2,642,413, June 16.
Coover, Harry W., Jr., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Polymerization of acrylonitrile in the presence of preformed polymers. 2,649,434, Aug. 18.
Coover, Harry W., Jr., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Reaction of lactones with trialkyl phosphite. 2,652,416, Sept. 15.
Coover, Harry W., Jr., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. α-acylamido acrylic acids. 2,626,944, Jan. 27.
Coover, Harry W., Jr., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Poly-alkenyl phosphonate esters. 2,632,768, Mar. 24.
Coover, Harry W., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Alkyl esters of allyl phosphonic acids and polymers prepared therefrom. 2,636,027, Apr. 21.
Coover, Harry W., Jr., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Polymerization of acrylonitrile in the presence of preformed interpolymers. 2,657,191, Oct. 27.
Coover, Harry W., Jr., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Alpha-acylaminomethyl acrylonitriles and polymers thereof. 2,659,715, Nov. 17.
Coover, Harry W., Jr., J. B. Dickey, and N. H. Shearer, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Polymers of 3-methylenephthalide and preparation. 2,663,697, Dec. 22.
Copco Steel and Engineering Company, assignee: *See*— McElhone, Charles A. McElhone, Charles A., and Jones.
Cope, Archie C., Ashland, Ky. Low tire indicator. 2,639,342, May 19.
Cope, Arthur C., Belmont, Mass., assignor to Merck & Co., Inc. Preparation of mono-alkyl or -aralkyl cyanoacetic acid esters. 2,655,526, Oct. 13.
Cope, John E., assignor to Pye Limited, Cambridge, England. Television transmitting apparatus. 2,649,501, Aug. 18.
Cope, Lively O., Morganton, and W. H. Lowe, North Wilkesboro, N. C. Fishing line attachment. 2,654,177, Oct. 6.
Cope, T. J., Inc., assignee: *See*— Ullberg, Frederick G. W., Jr.
Copeland, Harry B.: *See*— Cox, Elmer H., and Copeland.
Copeman Laboratories Company, assignee: *See*— Atwood, Edwin W. Copeman, Lloyd G.
Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Tractor hitch. 2,627,423, Feb. 3.
Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Bottle closure. 2,634,012, Apr. 7.
Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing amino acetals. 2,628,254, Feb. 10.
Copes Regulators Limited, assignee: *See*— Armstrong, Clifford H.
Coplan, Burton V., Troy, and E. L. Zebroski, Albany, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Multistage mixer-settler apparatus. 2,646,346, July 21.
Coplen, George H., Cripple Creek, Colo. Can opener. 2,661,528, Dec. 8.
Copley, Carl E., Colma, Calif. Saw sharpening device. 2,650,508, Sept. 1.

Copley, Harold E., assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Producing images on rigid surfaces. 2,637,651, May 5.
Copley, Harold E., Worthington, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y. Developing electrostatic images. 2,659,670, Nov. 17.
Copp, Frederick C., London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Diethanolaminopyridines. 2,657,212, Oct. 27.
Copp, William G., assignor to The Callender Foundry & Manufacturing Company, Limited, Guelph, Ontario, Canada. Motor and belt drive for tilt arbor saws. 2,625,966, Jan. 20.
Coppage, Avery S., San Antonio, assignor of one-third to J. R. Andre, Galveston, Tex. Automobile Venetian blind and control means therefor. 2,657,923, Nov. 3.
Coppen, John J., London, England, assignor to National Lead Company, New York, N. Y. Bearing surface. 2,631,905, Mar. 17.
Copperweld Steel Company, assignee: *See*— Morgan, Charles.
Copping, Bruce G., Atlanta, Ga., assignor to Dow Manufacturing Company, Chicago, Ill. Automatic conditioned air system with compensation for clogging filter. 2,656,112, Oct. 20.
Copping, Bruce G., Cuyahoga Falls, Ohio, assignor to Don Manufacturing Company, Chicago, Ill. Automatic thermostatic control device. 2,628,032, Feb. 10.
Copping, Bruce G., Cuyahoga Falls, Ohio, assignor to Don Manufacturing Company, Chicago, Ill. Pressure sensitive control device. 2,630,505, Mar. 3.
Copping, Bruce G., Cuyahoga Falls, Ohio, assignor to Don Manufacturing Company, Chicago, Ill. Temperature regulating system. 2,663,498, Dec. 22.
Coppinger, Galvin M.: *See*— Campbell, Tod W., and Coppinger.
Coppoc, William J.: *See*— Dilworth, John P., Eckert, and Coppoc.
Coppock, Franklin E., assignor to Dayton Embossed Products Corporation, Dayton, Ohio. Cover construction. 2,639,168, May 19.
Coppock, Philip D., Epsom, L. Mulligan, New Malden, J. T. McCombie, London, and A. G. White, Bristol, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Treatment of streptomycin solutions. 2,655,497, Oct. 13.
Copus, Matthew, assignor of one-half to W. T. Guseman, Uniontown, Pa. Combined ramp block and auto jack. 2,631,007, Mar. 10.
Corbell, Paul I., assignor to Collins Radio Company, Cedar Rapids, Iowa. Double parallel plane magnetron. 2,648,800, Aug. 11.
Corbell, Paul I., Cedar Rapids, and R. J. Black, Marion, assignors to Collins Radio Company, Cedar Rapids, Iowa. Filament tensioning device. 2,656,480, Oct. 20.
Corbett, Francis P., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine inlet structure. 2,651,495, Sept. 8.
Corbett, Herbert A., assignor, by mesne assignments, to Auburn Fishhook Company, Inc., Auburn, N. Y. Point forming mechanism. 2,649,821, Aug. 25.
Corbett, Herbert A., assignor, by mesne assignments, to Auburn Fishhook Company, Inc., Auburn, N. Y. Eye forming mechanism. 2,653,632, Sept. 29.
Corbett, John P., Los Angeles, Calif. Baseball base. 2,624,580, Jan. 6.
Corbett, Lawrence B., Binghamton, P. Tatusko, Endicott, and D. R. Pratt, Apalachin, assignors to International Business Machines Corporation, New York, N. Y. Printing plate coating machine. 2,633,823, Apr. 7.
Corbin, Francis L., Chatham, N. J., assignor to Pitometer Log Corporation, New York, N. Y. Square law force measuring device. 2,629,259, Feb. 24.
Corbitt, Robert W., Tunstall, Sittingbourne, and J. H. Dale, Darley Abbey, assignors to Rolls-Royce Limited, Derby, England. Heat exchanger with tube matrix. 2,655,346, Oct. 13.
Corbitt, Willard M., and E. C. Wenning, Ashland, Ky., assignors to Armco Steel Corporation, Middletown, Ohio. Organization for feeding heavy sheets, plates, and the like onto a conveyer. 2,638,234, May 12.
Corby, Joseph F., Philadelphia, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Swivel joint. 2,660,461, Nov. 24.
Corchero, Luis L.: *See*— Betancourt Cano, Saúl, and Corchero.
Corcoran Implement Company, Inc., assignee: *See*— Worthington, Carl R.
Cord, Howard O., Chicago, Ill., and B. G. Merten, Munster, and F. E. Klapheke, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Floating roof construction for tanks. 2,664,220, Dec. 29.
Corden, Geoffrey A.: *See*— Lodge, Walter B., and Corden.
Cordell, George R., Terre Haute, Ind., assignor to A. C. Nielsen Company, Chicago, Ill. System and apparatus for determining the listening habits of wave signal receiver users. 2,660,507, Nov. 24.
Cordell, Ralph L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Seismometer. 2,659,065, Nov. 10.
Corder, Arthur A., Vancouver, Wash. Rotor carrier. 2,624,473, Jan. 6.
Cordes, Henry P., Modesto, Calif. Rotary device. 2,632,411, Mar. 24.
Cordier, David E., assignor to Libbey-Owe Company, Toledo, Ohio. Stable therme aldehyde-amide composition with a but curing catalyst. 2,635,083, Apr. 14.
Cordier, David E., assignor to Libbey-Owe Company, Toledo, Ohio. Production of positions comprising an unsaturated alk coated with a heterocyclic amine-forma 2,642,409, June 16.
Cordier, David E., and W. D. Williams, Libbey-Owens-Ford Glass Company, Tole duction of articles of improved water r urea-formaldehyde resins. 2,652,375, Se
Cording, James, Jr., Philadelphia, Pa., a Arlington, Mass., assignors to the Un America as represented by the Secretary Filter. 2,636,612, Apr. 28.
Cordis, C. N., assignee: *See*— Kitson, Gerald L.
Cordis, Nat, Bassett, Wis. Heated milk 2,625,643, Jan. 13.
Cordis, Nat, Bassett, Wis. Feeding apparat Feb. 3.
Cordis, Nat, Silver Lake, Wis. Demo 2,631,465, Mar. 17.
Cordis, Nat, Silver Lake, Wis. Feed dispen Mar. 24.
Cordis, Nat, Silver Lake, Wis. Demountab for barn cleaners. 2,648,989, Aug. 18.
Cordone, Marcelin, Lausanne, Switzer book. 2,647,766, Aug. 4.
Cordovi, Marcel A., Forest Hills, N. Y., ass assignments, to The Babcock & Wilcox C City, N. J. Fluorescent spectral analy Apr. 14.
Cordray, Belle, Canton, assignor to The H North Canton, Ohio. Filter bag for s 2,630,190, Mar. 3.
Cordrey, Richard N., and D. E. Wright, assignors to The National Supply Compa Pa. Brake band equalizer adjustin 2,637,419, May 5.
Core, Clark D., Seguin, and E. N. Jones, P Core assignor to Texas Acidizers, Incor Tex. Composition for preventing depo rosion in oil well equipment. 2,658,03
Core, Thomas H., Glendale, Calif. Toy ve ing means therefor. 2,651,882, Sept. 15.
Corella, Roy, Garvey, Calif. Spira 2,648,364, Aug. 11.
Corette, Dominick T., Woodside, N. Y 2,642,880, June 23.
Corey, Flournoy, Cedar Rapids, Iowa. for automobile leaf springs. 2,661,20
Corey, George H., assignee: *See*— Mercier, Pierre E.
Corey, John W.: *See*— Noddings, Charles R., Waldron, and C
Corey, Robert J., Brooklyn, N. Y. Inte formed necktie. 2,636,178, Apr. 28.
Corey, William G.: *See*— Harbert, Lloyd C., and Corey.
Corey, William S., Tujunga, Calif. Utili 2,660,200, Nov. 24.
Corinth Machinery Co., assignee: *See*— Watson, William H., and Nelson.
Cork, Bruce B., Peck, Mich., assignor, ments, to the United States of Americ by the Secretary of the Navy. 2,656,484, Oct. 20.
Cork, Edward C., Ealing, London, assign Musical Industries Limited, Hayes, En aerial. 2,648,771, Aug. 11.
Cork, Edward C., Ealing, London, assign Musical Industries Limited, Hayes, trical wave band pass circuits. 2,654
Corkish, Richard B., Nantucket, Mass. oted tray section. 2,628,752, Feb. 17.
Corkrean, William H., Washington, 2,652,604, Sept. 22.
Corley, Gale C., Valparaiso, Ind. Car building panels. 2,636,623, Apr. 28.
Corley, Gale C., Valparaiso, Ind. Ro 2,661,570, Dec. 8.
Corley, Mark H., River Forest, B. A. Park, and R. F. Barber, Elmhurst, a Wrapping & Sealing Machine Co., Ch bination sheeter and wrapper for p machines. 2,654,196, Oct. 6.
Corley, Richard S.: *See*— Blout, Elkan R., Campbell, Corley, Blout, Elkan R., Corley, and Snow.
Cormier, Gerard A., assignor to Jones & Company, Springfield, Vt. Automat 2,653,503, Sept. 29.
Corn, Jack C., Friend, Kans. Windbr shade. 2,638,188, May 12.
Corn, James F., Jr., assignor to Hardwic Incorporated, Cleveland, Tenn. Broil mechanism. 2,638,894, May 19.
Cornelius, Nelson F., Anoka, Minn. P valve. 2,663,122, Dec. 22.

Cornelius, Richard T., Minneapolis, Minn. Cooling device for faucets. 2,634,745, Apr. 14.
Cornelius, Richard T., Minneapolis, Minn. Valve and pressure gauge. 2,635,630, Apr. 21.
Cornelius, Richard T., Minneapolis, Minn. Faucet. 2,646,248, July 21.
Cornelius, Richard T., Minneapolis, Minn. Diaphragm pump. 2,650,545, Sept. 1.
Cornelius, Richard T., Minneapolis, Minn. Valve. 2,653,005, Sept. 22.
Cornell-Dubilier Electric Corporation, assignee: *See*—
Bennett, Arthur E. C.
Ehrbar, Edward J.
Gray, Donald E.
Robinson, William M.
Williamson, Clifford N.
Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Fluidized fixed bed process. 2,664,336, Dec. 29.
Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Fluidized fixed bed process. 2,664,337, Dec. 29.
Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Line and valve system for fluidized particle handling. 2,664,338, Dec. 29.
Cornell, Paul W., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Catalytic process. 2,664,339, Dec. 29.
Cornell, William D., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Radiation shield supports in vacuum insulated containers. 2,643,022, June 23.
Corner, Eugene S., Maplewood, and C. S. Lynch, Plainfield, N. J., assignors to Standard Oil Development Company. Olefin polymerization catalyst and its preparation. 2,642,402, June 16.
Corner, Eugene S., Maplewood, and F. B. Fischl, Rahway, N. J., assignors to Standard Oil Development Company. Improving the octane number of light naphthas. 2,651,597, Sept. 8.
Cornett, Jesse R., assignor to Seismograph Service Corporation, Tulsa, Okla. Transducer testing apparatus. 2,648,979, Aug. 18.
Cornett, Walter V., Los Angeles, Calif. Pneumatic cylinder hammer and control therefor. 2,651,292, Sept. 8.
Cornfeld, Nathan J., New York, N. Y. Hand telephone. 2,643,301, June 23.
Corngold, Jacob: *See*—
Duffy, James J., and Corngold.
Cornic, Yves: *See*—
Delacoste, Claude, and Cornic.
Corning Glass Works, assignee: *See*
Argyle, Leroy C.
Bailey, Thomas W.
Dalton, Robert H.
Giffen, James W.
Giffen, James W., and Overmyer.
Hinkley, Ray A.
Kohl, Charles F., Jr.
Painter, Francis R.
Pond, Leander N.
Smith, Rowland D.
Southworth, George H.
Stookey, Stanley D.
Cornish, Albert H.: *See*—
Mansfield, Wilfred P., and Cornish.
Cornish, Harold E., Bankstown, New South Wales, Australia. Folding baby carriage. Re. 23,681, July 7.
Cornish, Harold E., Bankstown, New South Wales, Australia. Folding perambulator. 2,632,654, Mar. 24.
Cornish, Irving R., Elmhurst, Ill. Desk with a shiftable top section. 2,659,645, Nov. 17.
Corn Products Refining Company, assignee: *See*—
Artz, Neal E.
Benjamin, Donald G., and Kapranos.
Cardinal, Earl V.
Couch, Dean H., and Cleveland.
Kerr, Ralph W., and Fancette.
Cornwell, David R. L., and J. Taini, assignors to The C. F. Pease Company, Chicago, Ill. Print developer. 2,625,866, Jan. 20.
Cornwell, Ralph T. Ka. Rosemont, Pa., assignor to American Viscose Corporation, Wilmington, Del. Nonfoggy moistureproof sheet. 2,639,241, May 19.
Cornwell, Ted K., assignor to Cold Spring Granite Company, Cold Spring, Minn. Lifting and carrying clamp for handling stone slabs. 2,636,770, Apr. 28.
Coro, Inc., assignee: *See*—
Bangs, Ralph C.
Corona Clipper Company, assignee: *See*—
Phillips, Dwight M.
Corona, Edward J., Port Allen, La., assignor to Kaiser Aluminum & Chemical Corporation. Treatment of filtering apparatus. 2,653,716, Sept. 29.
Corpora, Michael, assignor of 40 per cent to J. R. Viviano, Mountain View, Calif. Automobile directional signal control. 2,644,149, June 30.
Corporacion de Ventas de Salitre y Yodo de Chile, assignee: *See*—
Van Liempt, Johannes A. M.
Corradini, Robert E., Madison, N. J., L. S. Lynch, Flushing, O. Bonomi, New York, N. Y., and G. C. Engel, Ridgewood, N. J., said Lynch, said Bonomi, and said Engel assignors to said Corradini. Automatic sanitary apparatus for dispensing measured quantities of liquid. 2,654,517, Oct. 6.
Corrado, Domenic R., Torrington, Conn. Glass cutting gauge and breaker. 2,629,174, Feb. 24.
Correa, Guillermo, New York, N. Y. Stereoscopic projection apparatus. 2,653,511, Sept. 29.
Corrigan, John T.: *See*—
Sherry, Peter P., and Corrigan.
Corrigan, Thomas E., Chicago, Ill. Sink cabinet enclosure. 2,632,682, Mar. 24.
Corriveau, Clarence P., Manchester, N. H. Closure for dispensing containers. 2,636,649, Apr. 28.
Corry, John N., Toronto, Ontario, Canada. Instrument for measuring speed of shafts, and the like. 2,649,010, Aug. 18.
Corry, Joseph R.: *See*—
Roemer, James A., McKibben, and Corry.
Corsillo, Emil A., Los Angeles, Calif. Wig construction. 2,661,749, Dec. 8.
Corso, Joseph V., Brooklyn, and R. C. Ulmer, Bronxville, assignors to E. F. Drew & Co., Inc., New York, N. Y. Mixed indicator composition. 2,663,692, Dec. 22.
Corso, Philip J., California, and P. A. Romano, Philadelphia, Pa. Outdoor picture projection screen apparatus. 2,651,234, Sept. 8.
Corson, Bayard R., Fishkill, and A. V. Platter, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Heater connector. 2,641,728, June 9.
Corson, John H., E. A. Suverkrop, and D. Lewis, assignors to J. A. Roebling's Sons Company, Trenton, N. J. Method of and apparatus for welding and annealing metal articles. 2,627,009, Jan. 27.
Corson, Ralph, Arlington, N. J., assignor to Congoleum-Nairn Inc. Cove strip. 2,651,086, Sept. 8.
Corson, William G., Akron, Ohio. Vulcanizing or like press. 2,624,915, Jan. 13.
Cortébert Watch Co., assignee: *See*—
Kocher, Hans.
Corteggiano, William L., and T. P. Kinn, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Horizontal induction heating scanner machine. 2,644,074, June 30.
Corteggiano, William L., and J. A. Redmond, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio frequency switch apparatus. 2,650,285, Aug. 25.
Corteggiano, William L., Baltimore, M. P. Vore, Catonsville, and J. M. Edwards, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating machine with controls. 2,644,075, June 30.
Cortelli, John A., Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Automatic starter for induction motors. 2,647,231, July 28.
Corwin, Jerome, Long Branch, and S. Adler, Asbury Park, N. J., assignors to the United States of America as represented by the Secretary of the Army. Synchro data switching circuit. 2,635,217, Apr. 14.
Cory Corporation, assignee: *See*—
Frankel, Samuel H.
Jones, Charles E.
Karlen, Harvey R.
Cory, George L., Erskine Lakes, N. J., assignor to American Hard Rubber Company, New York, N. Y. Preventing the occurrence of pin holes in thin, microporous hard rubber separators. 2,637,876, May 12.
Coshun, Harry E.: *See*—
Petersen, John S., and Coshun.
Coskey, Edward P.: *See*—
Steen, James, and Coskey.
Cosmetto, Aristodeme J., White Plains, N. Y. Stopcock mechanism. 2,643,850, June 30.
Cosmocord Plastics Limited, assignee: *See*—
Sturm, Robert H.
Cosmos, William J., Chicago, Ill., assignor to Chicago Rubber Company, Inc. Contact wheel. 2,639,560, May 26.
Cossairt, Earl L.: *See*—
Swisher, Robert E.
Cossor, A. C., Limited, assignee: *See*—
Fleming-Williams, Brian C., and Wynn.
Godeck, John E.
Levell, Derek A.
Costa, Francisco G., Taunton, Mass. Handsaw level. 2,655,733, Oct. 20.
Costanzo, Carmen A., Vancouver, British Columbia, Canada. Surface marking device for containers. 2,654,311, Oct. 6.
Costello, Frank E., Philadelphia, Pa. Ammunition declipping machine. 2,659,263, Nov. 17.
Costikyan, Kent R., Montclair, N. J. Luggage carriage. 2,650,105, Aug. 25.
Cosulich, Donna B., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Nitroso formyl tetrahydropteroic amino acids thereof. 2,631,150, Mar. 10.

Cosulich, Donna B., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Substituted formyltetrahydropteroyl amino acids and preparing the same. 2,659,726, Nov. 17.
Cotchett, Louis M., and R. K. Butler, assignors to Textile Engineering Corporation, Whitman, Mass. Buffing machine for drawing rolls. 2,639,558, May 26.
Cotchett, Louis M., assignor to Textile Engineering Corporation, Whitman, Mass. Ball bearing top roll. 2,644,202, July 7.
Cotsworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Superheterodyne receiving system. 2,629,817, Feb. 24.
Cotsworth, Albert, III, Oak Park, Ill. assignor to Zenith Radio Corporation. Signal receiver coupling network. 2,632,803, Mar. 24.
Cotsworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Television receiver. 2,642,491, June 16.
Cotsworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Automatic frequency control circuit for television receivers. 2,664,464, Dec. 29.
Cotsworth, Albert, III, Oak Park, R. O. Gray, Brandview, Ill., and P. E. Reeves, Los Angeles, Calif., assignors to Zenith Radio Corporation. Decoding apparatus for television receivers. 2,632,799, Mar. 24.
Cottar, Robert, Red Bluff, Calif. Portable nail stripper. 2,653,318, Sept. 29.
Cottell, Eric C., Ilkley, and J. E. Goodman, Stanks, Leeds, England. Apparatus for the mechanical production of acoustic vibrations for use in emulsification, dispersion or like processes. 2,657,021, Oct. 27.
Cotter, George L., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,640,733, June 2.
Cotter, George L., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Interlocked control apparatus for combined dynamic, track, and shaft brake equipment. 2,656,501, Oct. 20.
Cotter Products Inc., assignee: *See*—
Cotter, William A.
Cotter, William A., assignor to Cotter Products Inc., New York, N. Y. Needle threader. 2,641,394, June 9.
Cotterman, Frank D.: *See*—
Hjulian, Julius A., Cotterman, and Hansen.
Cottier, Louis, Geneva, Switzerland. Universal timepiece. 2,635,414, Apr. 21.
Cottle, Delmer L.: *See*—
Connolly, Gerald C., and Cottle.
Morway, Arnold J., Young, and Cottle.
Young, David W., and Cottle.
Young, David W., Cottle, and Fischer.
Cottle, Delmer L., Highland Park, and D. W. Young, Westfield, N. J., assignors to Standard Oil Development Company. Purification of acyl p-aminophenols with isopropyl alcohol. 2,625,557, Jan. 13.
Cottle, Delmer L., Highland Park, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Reaction of ethers with acids using ion exchange resins catalysts. 2,629,735, Feb. 24.
Cotton, Ernest W.: *See*—
Crouch, Willie W., and Cotton.
Cotton, Robert B., Lansdowne, Pa., assignor, by mesne assignments, to All American Engineering Company, Wilmington, Del. Shock absorbing means for aircraft seats. 2,637,368, May 5.
Cottonwood Products, Incorporated, assignee: *See*—
Gerard, George A.
Cottrell, C. B., & Sons Company, assignee: *See*—
Cottrell, Donald C., and Sweet.
Luehrs, Hans J.
Cottrell, Donald C., Fox Point, and C. C. Sweet, Whitefish Bay, Wis., assignors to C. B. Cottrell & Sons Company, Pawcatuck, Conn. Printing plate solidifying and dimensioning method. 2,645,998, July 21.
Cottrell, Herbert T., Vancouver, British Columbia, Canada. Pivotal joint for steering parts on vehicles having independent front wheel suspension. 2,628,109, Feb. 10.
Cottrell, Herbert T., Vancouver, British Columbia, Canada. Joint for steering parts on automobiles having independent front wheel suspension. 2,658,772, Nov. 10.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,630,079, Mar. 3.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,638,059, May 12.
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubbed spring group. 2,657,041, Oct. 27.
Coturno, S. A., assignee: *See*—
Mediano Capdevila, Gonzalo.
Cottsworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Automatic gain control circuit. 2,635,184, Apr. 14.
Couch, Dean H., China Lake, Calif., and E. A. Cleveland, Milan, Italy, assignors to Corn Products Refining Company, New York, N. Y. Preparation of hexuronic acids and derivatives thereof. 2,650,237, Aug. 25.
Couch, Dwight, E.: *See*—
Brenner, Abner, and Couch.
Brenner, Abner, Couch and Williams.
Couch, George W.: *See*—
Bartch, James C., and Couch.
Couch, Glenn F.: *See*—
Blattner, Emil H., and Couch.
Vala, George F., and Couch.
Couch, Glenn F., Rochester, assignor to The Gould Corporation, Depew, N. Y. Brake b
2,656,901, Oct. 27.
Couch, S. H., Company, Inc., assignee: *See*—
Johnson, Carl A. P.
Couden, Earl R., Chicago, Ill., assignor Products, Inc., Beaver Falls, N. Y. disks, pads, gaskets, and sheetlike members May 26.
Coughlin, Jack M., Cleveland, Ohio, assigno Electric Company. Manufacturing cath 2,626,637, Jan. 27.
Coughlan, Standly T.: *See*—
Thomas, Earl E., and Coughlan.
Coughlin, Leo, Toronto, Ontario, Canada. 2,646,783, July 28.
Cougnard, Jérôme, Nanterre, France. lightning protector for electric installation Feb. 24.
Coulliette, James H.: *See*—
Polk, Laurence N., and Coulliette.
Coulliette, James H., assignor to Industrial stitute of the University of Chattanooga, Tenn. Nozzle. 2,647,017, July 28.
Coulson, Bevis P., Jr., Schenectady, N. Y. 2,661,219, Dec. 1.
Coult, Russell A., Sutherlin, Oreg. Vacuum system for barber shops. 2,641,790, June 1
Coulter, Ben B., Omaha, Nebr. Drapery clam Mar. 31.
Coulter, Joseph L.: *See*—
Benua, Louis P., Coulter, and Orthoefer.
Coulter, Kenneth E., assignor to The D Company, Midland, Mich. Continuous d heat sensitive compounds. 2,664,391, De
Coulter, Wallace H., Chicago, Ill. Means particles suspended in a fluid. 2,656,508,
Coulter, Wallace H., Chicago, Ill. Amplifier ing series-connected tubes. 2,659,775, Nov
Coumerilh, Berton J., St. Louis, Mo. C trailer bumper and step. 2,660,454, Nov.
Counter and Control Corporation, assignee: Andren, Karl H.
Countryman, James H., West Middletown, mechanism for pressure dispenser. 2,643,
County National Bank and Trust Company bara, executor: *See*—
Musselman, Alvin J.
Couper, Maxwell, Lawrence, Kans. Radiator 2,653,470, Sept. 29.
Courant, Curt J.: *See*—
Gallagher, William P., and Courant.
Courchene, Theodore P., Beverly, Mass., assig Shoe Machinery Corporation, Flemington, ing machine. 2,655,672, Oct. 20.
Coursen, David L., Woodstown, and F. A. Wenonah, N. J., assignors to E. I. du Pon & Company, Wilmington, Del. Pressure re ing cartridge closure assembly. 2,648,283.
Coursey, George E., Cincinnati, assignor to Wm. Doepke Manufacturing Company, Ros Container with handle stacking mean June 9.
Courson, Clarence D., and W. C., Worthi Reel type mowing machine. 2,650,463,
Courson, Warren C.: *See*—
Courson, Clarence D., and W. C.
Court, Jean: *See*—
Casas-Robert, and Court.
Casas Robert, Ramon, and Court.
Court, Jean, Chatelaine-Geneva, assignor to Binningen, Switzerland. Feed mechanis machines. 2,647,481, Aug. 4.
Courtaulds Limited, assignee: *See*—
Bamford, Clement H., Hanby, and Ha
Bashford, Leslie A., and Doubleday.
Bolton, Henry C., and Rose.
Cave, Godfrey J., Hampson, and Stone
Curtis, Geoffrey.
Entwistle, Donald.
Givens, John H., Rose, and Whyte.
Happey, Frank, and Wormell.
Hartley, George A. R.
Hartley, George A. R., and Haughton.
Merriman, Horace B.
Paul, Harry.
Paul, Harry and Watts.
Rose, Leslie, and Whyte.
Stoneman, John P.
Waters, David J., and Wilson.
Wharton, John.
Wharton, John, and Hall.
Courtney, Edward J., Oaklyn, N. J. Ap to drawing rolls. 2,647,556, Aug. 4.
Courtney, Edward J., Oaklyn, N. J., assigno Fibers Incorporated, Toledo, Ohio. Maki monium cellulose solution. 2,651,581, Sep
Courtney, Edward J., Oaklyn, N. J., assigno Fibers Incorporated, Toledo, Ohio. Maki monium cellulose solution. 2,651,582, Sept
Courtney, Joseph F., Evanston, and A. C. Park, Ill., assignors to International Ha pany. Glass fiber drawing device. 2,65

Courtney, William F., New York, N. Y. Foldable exercising and resting table. 2,658,754, Nov. 10.

Courtot, Louis B.: *See*—
Hunziker, Fred, and Courtot.

Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Packless valve stem assembly. 2,630,290, Mar. 3.

Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Resilient interchangeable tube coupling. 2,648,550, Aug. 11.

Courtright, Earnest: *See*—
Emery, William R., and Courtright.

Courtright, George D.: *See*—
Lincoln, Arnold J., and Courtright.

Courts, Emmett J.: *See*—
Ainsworth, Benjamin J., and Courts.

Cousin, Maurice, Paris, France. Internal-combustion engine. 2,661,727, Dec. 8.

Cousy, Edwin V.: *See*—
Williams, Everard M., and Cousy.

Couts, Tony R., Long Beach, and E. R. Rankin, deceased (V. M. Rankin, executrix), South Gate, Calif., said V. M. Rankin assignor to said Couts. Delayed action circuit breaker for vehicles. 2,647,181, July 28.

Couture, Georges A., Quebec City, Quebec, Canada. Traffic mirror device. 2,662,448, Dec. 15.

Couture, Raymond E., Seattle, Wash., assignor to Boeing Airplane Company. Turbosupercharger waste gate control. 2,629,541, Feb. 24.

Coval, Edwin P., Indianapolis, Ind. Hand truck. 2,650,834, Sept. 1.

Covely, Frank D.: *See*—
Baker, Richard E., and Covely.

Coveney, James W., Watertown, assignor to The Palmer Electric & Manufacturing Co., Wakefield, Mass. Sander. 2,639,175, May 19.

Coventry Gauge & Tool Company Limited, assignee: *See*—
Reading, Harold C.

Coventry Motor Fittings Company Limited, The, assignee: *See*—
Garratt, Alan L.

Cover, Martin L., Allen Park, Mich., assignor to National Steel Corporation. Sintering machine. 2,647,615, Aug. 4.

Cover, Raymond P., Springdale, Conn. Spring arc support. 2,650,817, Sept. 1.

Covert, Benjamin L., and H. E. Dahlquist, assignors to Universal Oil Products Company, Chicago, Ill. Liquid level control apparatus. 2,657,341, Oct. 27.

Covert, Claude J., Glen Rock, N. J., and W. H. Genich, assignors to Racine Confectioners' Machinery Co., Racine, Wis. Machine for continuous, high-production manufacture of candy suckers. 2,660,963, Dec. 1.

Covington, Carl A.: *See*—
Earle, Clarence E., and Covington.

Covington, Carl B., Fredericksburg, Va. Depth control means for scarifiers. 2,643,868, June 30.

Covington, Harry, assignee: *See*—
Davidson, Abraham G.

Covington, Robert H., Bradley, Ark. Stabilizing and towing attachment for bicycles. 2,629,611, Feb. 24.

Covitt, Jack, and V. L. Stafford, Fort Wayne, Ind. Dispenser for catsup and the like having a valve-controlled outlet in conjunction with a plunger. 2,636,647, Apr. 28.

Cowan, Ben, Montreal, Quebec, and A. Cunningham, Kenogami, Quebec, Canada. Screening and filtering apparatus. 2,638,226, May 12.

Cowan, Clifton J., Providence, R. I., assignor to Paul Flato Sales Corporation, New York, N. Y. Compact and similar article. 2,642,202, June 16.

Cowan, George A.: *See*—
Fugassi, James P., and Cowan.

Cowan, John C.: *See*—
Evans, Cyril D., Cowan, and Schwab.
Jones, Edwin P., and Cowan.
Teeter, Howard M., and Cowan.

Cowan, John C., Peoria, and C. D. Evans, Peoria Heights, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of glyceride oils with starch phosphates. 2,626,951, Jan. 27.

Cowan, John C., Peoria, L. B. Falkenburg, Decatur, and A. J. Lewis, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Bonding sheet materials and coating compositions therefor. 2,630,397, Mar. 3.

Cowan Mfg. Co., assignee: *See*—
Dobes, Joseph J.

Cowan, Morris, assignor of one-half to V. and J. Silson, copartners doing business as Victor Silson Co., New York, N. Y. Cosmetic brush. 2,637,060, May 5.

Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Rim structure for flat tableware. 2,657,558, Nov. 3.

Coward, Olgar G., assignor to Alumalath Corporation of Texas, Beaumont, Tex. Screen structure. 2,650,393, Sept. 1.

Coward, Richard W., Birmingham, Ala. Apparatus for separating solid matter from a gas. 2,634,822, Apr. 14.

Cowell, Frank A.: *See*—
Shaeffer, David W., and Cowell.

Cowen, Frank M., Norwalk, and J. K. Dixon, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Catalytic addition of cyanogen halides to olefins. 2,653,963, Sept. 29.

Cowen, Lawrence, New York, and N. N. Solovioff, Great Neck, assignors to Airex Manufacturing Co., Inc., Long Island City, N. Y. Fishing reel. 2,641,419, June 9.

Cowgill, Harry B., Jr., Raeford, N. C. Airplane with auxiliary lifting rotor. 2,644,653, July 7.

Cowgill, William W., Fairfield, Conn., assignor to United States Rubber Company, New York, N. Y. Coating machine with circulating system. 2,649,758, Aug. 25.

Cowie, Ira C., Norristown, and J. H. Purcell, Conshohocken, assignors to Glassine Paper Company, West Conshohocken, Pa. Processing paper. 2,635,509, Apr. 21.

Cowie, Wilbur E., Ottawa, Ontario, and A. E. Blouin, Crystal Bay, Ontario, assignors to The Minister of National Defence for Canada, Ottawa, Canada. Pile fabric. 2,656,586, Oct. 27.

Cowles Chemical Company, assignee: *See*—
MacMullen, Clinton W., Shaver, and Titus.

Cowles Company, The, assignee: *See*—
Cowles, Edwin.

Cowles, Edwin, Cayuga, N. Y., assignor to The Cowles Company, Princeton, N. J. Apparatus for treating paper stock. 2,645,982, July 21.

Cowles, Edwin, Cayuga, N. Y., assignor to The Cowles Company, Princeton, N. J. Machine for pulping paper stock. 2,658,426, Nov. 10.

Cowles, John E., Philadelphia, Pa. Solder feeding device. 2,628,585, Feb. 17.

Cowles, Laurence G., Houston, Tex., assignor to The Texas Company, New York, N. Y. Strain measurement. 2,625,036, Jan. 13.

Cowsar, Louis, Longview, assignor of one-half to O. E. Cowsar, New London, Tex. Rocking horse. 2,659,602, Nov. 17.

Cowsar, Orville E., assignee: *See*—
Cowsar, Louis.

Cox, Bradley G., assignor to Baker Perkins Inc., Saginaw, Mich. Control mechanism for centrifugal charging valves. 2,638,225, May 12.

Cox, Bradley G., Saginaw, and T. Evans, Tuscola, assignors to Baker Perkins Inc., Saginaw, Mich. Centrifugal separator. 2,646,172, July 21.

Cox, Charles W., St. Albans, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Device for removing liquid from filamentary strands. 2,648,965, Aug. 18.

Cox, Charles W., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Rotary knife fiber cutting apparatus. 2,634,810, Apr. 14.

Cox, Charles W., Springfield, Pa., F. A. Donovan, Wilmington, Del., and J. T. Frantz, North Hills, Pa., assignors to American Viscose Corporation, Wilmington, Del. Fluid leakage indicator. 2,655,893, Oct. 20.

Cox, Clifford E., Santa Ana, assignor to E. E. Cox, Los Alamitos, Calif. Radio receiving system. 2,636,117, Apr. 21.

Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Photoelectric sorting apparatus. 2,625,265, Jan. 13.

Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Lemon box loader. 2,647,670, Aug. 4.

Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Gravity sorter and fast normalizer. 2,656,923, Oct. 27.

Cox, Donald H.: *See*—
Runkle, George L., and Cox.

Cox, Earl R., Milwaukee, Wis. Fuel economizing means for internal-combustion engines. 2,633,836, Apr. 7.

Cox, Earle P., deceased, Columbus, Miss.; L. M. Cox, administratrix. Clutch and brake device. 2,649,174, Aug. 18.

Cox, Eber L., Akron, and N. H. Nye, Cuyahoga Falls, Ohio. Lapidary drill. 2,627,261, Feb. 3.

Cox, Edgar E., assignee: *See*—
Cox, Clifford E.

Cox, Elmer H., and H. B. Copeland, Martinsville, Ill. Automatic apparatus for the taking of liquid samples. 2,656,724, Oct. 27.

Cox, Everett F.: *See*—
Brown, Charles B., Cox, MacHenry, and Finkle.

Cox, George C., Charleston, W. Va. Electrode for the electrolysis of seaport and related waters. 2,635,077, Apr. 14.

Cox, George C., Charleston, W. Va. Cathodically descaling and electrode therefor. 2,643,222, June 23.

Cox, Harlan S., Danville, Ill. Billfold. 2,654,409, Oct. 6.

Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 2,663,770, Dec. 22.

Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit breaker. 2,663,777, Dec. 22.

Cox, Jack R., Auburn, Ala. Tobacco harvester. 2,635,408, Apr. 21.

Cox, James V.: *See*—
Coyle, Elliott R., and Cox.

Cox, James W., Manor Park, Ontario, and K. R. Greenaway, assignors to His Majesty the King in the right of Canada as represented by The Department of National Defence, Ottawa, Ontario, Canada. Twilight computer. 2,633,295, Mar. 31.

Cox, Jerome R., trustee, assignee: *See*—
Filak, Andrew M.

Cox, John E., Westlands, Newcastle, England. Electric fuse. 2,639,350, May 19.

Cox, John H., New Philadelphia, Ohio. Safety device for belt conveyors. 2,631,717, Mar. 17.

Cox, John W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg room equipment. 2,625,309, Jan. 13.

Cox, John W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg carton. 2,636,661, Apr. 28.

Cox, John W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg carton. 2,637,479, May 5.

Cox, John W., assignor to Shellmar Products Corporation, Chicago, Ill. Article separating mechanism. 2,640,606, June 2.

Cox, John W., Chicago, Ill., assignor to General Package Corporation. Molded pulp carton. 2,655,303, Oct. 13.

Cox, John W. and L. M., Daviess County, Mo. Tractor lift and hitch structure. 2,656,776, Oct. 27.

Cox, Joseph B., assignor, by mesne assignments, to Oregon Saw Chain Corporation, Portland, Oreg. File holder. 2,664,017, Dec. 29.

Cox, Lewis M.: *See*—
Cox, John W. and L. M.

Cox, Lucile M., administratrix: *See*—
Cox, Earle P.

Cox, Mace A., and J. L. Shively, Long Beach, Calif. Carrier bar for polish rods. 2,637,528, May 5.

Cox, Maurice W., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Reforming of hydrocarbons boiling within the gasoline range utilizing a platinum-alumina-halide catalyst. 2,642,384, June 16.

Cox, Oscar C., Fort Worth, Tex., assignor to Sears, Roebuck and Co., Chicago, Ill. Garment container and hanger. 2,660,819, Dec. 1.

Cox, Parker G., Grosse Pointe Farms, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Filter. 2,648,438, Aug. 11.

Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Process of producing pentaerythritol. 2,629,746, Feb. 24.

Cox, Robert E.: *See*—
Silver, Walter H., and Cox.

Cox, Rodney S., Marion, Ohio. Towing device with steering attachment. 2,646,290, July 21.

Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable with weakened stripping plane. 2,626,302, Jan. 20.

Cox, Thomas O., Burbank, H. C. Rankin, North Hollywood, and S. A. Trott, Long Beach, assignors to Sheffield Instrument Company, Burbank, Calif. Automatic shutoff for tank filling. 2,646,817, July 28.

Cox, Victor J.: *See*—
Collins, Bernard F., Cox, and Martin.

Cox, Walter C., Denver, Colo. Traction mechanism for cog roads. 2,652,785, Sept. 22.

Cox, William A.: *See*—
Aguilar, John G., and Cox.

Cox, William J., Woodruff, Utah. Tire tool. 2,642,265, June 16.

Coxe, Whitwell W., Jr., Bristol, Tenn., assignor to Radio Corporation of America. Mobile radio cabinet structure. 2,658,101, Nov. 3.

Coxe, Winthrop K., Covina, and W. J. Merboth, Arcadia, Calif., assignors, by mesne assignments, to Aerojet-General Corporation, Cincinnati, Ohio. Device for jet propulsion through water. 2,644,297, July 7.

Coxhead, Ralph C., Corporation, assignee: *See*—
Canham, George E.
Johnson, Harry.

Coy, Don W.: *See*—
Richardson, Ralph R., Ritter, Ragan, and Coy.

Coykendall, Leon H., Westfield, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Vapor generator. 2,639,695, May 26.

Coykendall, William E., Jr., Riverside, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Shockproof mounting. 2,646,958, July 28.

Coyle, Elliott R., Mentor, Ohio, and J. V. Cox, Ebenezer, N. Y., said Cox assignor to said Coyle. Display card holder. 2,650,444, Sept. 1.

Coyle, Irving B., Portland, Oreg. Tongs. 2,647,006, July 28.

Coyle, William E., Cotton Valley, La. Flare drill. 2,634,957, Apr. 14.

Coyle, William J., Waltham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sheathed plug connector. 2,626,978, Jan. 27.

Coyle, William J., Waltham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lamp socket. 2,640,969, June 2.

Coyne, Howard L., Rockville Centre, N. Y., and O. S. A. Mesch, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable potentiometer termination. 2,653,207, Sept. 22.

Coyne, William R., assignor to Pillsbury Mills, Inc., Minneapolis, Minn. Doughnut cutter. 2,635,560, Apr. 21.

Coyner, James M., Madison, Wis. Feeder p
assembly. 2,628,591, Feb. 17.

Coyner, James M., Madison, Wis. Spraying n
for livestock cars. 2,652,024, Sept. 15.

Coyner, James M., Madison, Wis. Nipple-equipp
pail. 2,652,027, Sept. 15.

Cozart, Robert T., Jr., Goldsboro, N. C. Sewing
attachment. 2,638,067, May 12.

Cozzo, Giuseppe, Yonkers, assignor to Hydropre
porated, New York, N. Y. Bearing. 2,629,640

Cozzo, Giuseppe, Yonkers, assignor to Hydropre
porated, New York, N. Y. Expansible
2,645,431, July 14.

Cozzo, Giuseppe, Yonkers, assignor to Hydropre
porated, New York, N. Y. Metal forming.
Oct. 20.

Crabaiona, Laurent L., Grasse, assignor t
Anonyme des Etablissements Roure-Bertran
Justin Dupont, Paris, France. Preparation of
2,652,406, Sept. 15.

Crabtree, George W., Cleveland Heights, Ohio.
spring controlling unit. 2,649,936, Aug. 25.

Crabtree, George W., Cleveland Heights, Ohio.
spring control means. 2,649,937, Aug. 25.

Crabtree, George W., Cleveland Heights, Ohio.
spring control means. 2,649,938, Aug. 25.

Crabtree, J. A., & Co. Limited, assignee: *See*—
Besag, Ernst, and Wintle.

Crabtree, John I.: *See*—
Rasch, Arthur A., Henn, and Crabtree.

Crabtree, John O., London, England, assignor
& Co., Inc., New York, N. Y. Plate holding n
for stereotype printing plates. 2,642,800, Ju

Crabtree, John O., and C. W. Marshall, London,
assignors to R. Hoe & Co. Inc., New York, N.
ing plate for use on the cylinders of rotary
machines and in clamping mechanism
2,630,756, Mar. 10.

Cradduck, Henry E.: *See*—
Bennert, Malcolm O., and Cradduck.

Cradduck, Henry E., Amesbury, Mass., as
Western Electric Company, Incorporated, N
N. Y. Counting apparatus. 2,630,970, Mar. 1

Cradduck, Henry E., Amesbury, Mass., assignor
ern Electric Company, Incorporated, New Yo
control for toroidal coil winding machines.
June 23.

Craft-Belt Company, assignee: *See*—
Hansen, Cecil F.

Craft, Jim P., Greeneville, N. C. Stalk cutter.
Mar. 17.

Craftmaster Manufacturing Co., Inc., assignee
Sears, Melville.

Crafts, Walter, Niagara Falls, N. Y., assignor
Carbide and Carbon Corporation. Ferritic
steels. 2,624,669, Jan. 6.

Cragar Packaging Co., Inc., assignee: *See*—
Craig, Francis A., and Garvey.

Cragg, William D.: *See*—
Gayford, Michael L., and Cragg.

Craib, James F., Town of Gates, N. Y., assignor,
assignments, to Bell & Howell Company, Ch
Web feeding mechanism for photographic
and the like. 2,628,834, Feb. 17.

Craig, Adrian W., and R. L. Sears, Des Moines,
S. E. Hubbard, Chicago, Ill., said Hubbard a
said Craig and said Sears, jointly. Mason's
fixture. 2,656,608, Oct. 27.

Craig, Alfred B.: *See*—
Gluesenkamp, Earl W., and Craig.
Ham, George E., and Craig.

Craig, Burnie J., Los Angeles County, Calif. A
vehicle door control. 2,629,453, Feb. 24.

Craig, Burnie J., Los Angeles County, Calif. Do
assembly. 2,631,879, Mar. 17.

Craig, Burnie J., San Gabriel, Calif. Compos
making the same. 2,631,355, Mar. 17, 1953.

Craig, Burnie J., Los Angeles County, Calif
2,647,781, Aug. 4.

Craig, Burnie J., Los Angeles County, Calif.
sembly. 2,649,323, Aug. 18.

Craig, Burnie J., Los Angeles County, Calif. Co
door locking system. 2,659,230, Nov. 17.

Craig, Burnie M.: *See*—
Schlage, Ernest L., Craig, and McAneny.

Craig, Emmet A.: *See*—
Williams, Arthur L., and Craig.

Craig, Francis A., Seneca Falls, and J. H. Gar
nors to Cragar Packaging Co., Inc., Brookl
Timer controlled apparatus adapted to feed
ure materials. 2,643,026, June 23.

Craig, Francis A., Snyder, assignor to The W
Company, Incorporated, Buffalo, N. Y. Me
apparatus for handling fermentation gas.
Dec. 22.

Craig, James R.: *See*—
Aitchison, Robert B., Hicks, and Craig.

Craig, John J., University Heights, J. E. Dunas
land, M. F. Morgan, Shaker Heights, and A.
Cleveland Heights, assignors to Arthur G.
Company, Cleveland, Ohio. Shaft furnace.
Jan. 6.

Craig, Leo S., Shrewsbury, N. J. Compensated
measuring circuit. 2,629,054, Feb. 17.

Craig, Leslie, Nelson, New Zealand. Transformer for air and the like. 2,648,169, Aug. 11.

Craig, Louis E., Washington, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of cyclooctatriene. 2,644,848, July 7.

Craig, Louis E., Washington, N. J., and C. E. Larrabee, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation and purification of 1-phenylbutadiene-1,3. 2,629,752, Feb. 24.

Craig, Louis E., Washington, N. J., and I. J. Ressa, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of cyclooctatriene. 2,644,849, July 7.

Craig, Paul N., Elkins Park, and F. P. Nabenhauer, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Bis-(substituted-phenylalkylamino)-compounds. 2,653,977, Sept. 29.

Craig, Paul N., Elkins Park, and F. P. Nabenhauer, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Bis-hydroxytetrahydroisoquinolyl-alkanes. 2,659,728, Nov. 17.

Craig, Paul N., Pennsauken Township, Camden County, N. J., and F. P. Nabenhauer, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. 1-alkyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline compounds. 2,663,709, Dec. 22.

Craig, Ralph W., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Fire-retardant paint. 2,627,475, Feb. 3.

Craig, Samuel T.: *See*—
Mayer, Charles M., and Craig.

Craig, Teddie O., Jr., and J. M. Lewis, assignors, by mesne assignments, to H. J. Le Vesconte, Glendale, Calif. Weatherstrip for metal casement windows. 2,651,392, Sept. 8.

Craig, W. E.: *See*—
Cook, Richard S., and Craig.
Strong, James S., Craig, and Elkind.

Craig, Willis G., Cleveland, assignor to The Lubrizol Corp., Wickliffe, Ohio. Asphalt emulsion. 2,652,341, Sept. 15.

Craige, Arthur H., Jr., Plainfield, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Anthelmintic compositions. 2,646,383, July 21.

Craige, Arthur H., Jr., Riverdale, Md., assignor to Allied Laboratories, Inc., Kansas City, Mo. Anthelmintic compositions. 2,646,382, July 21.

Craighead, Charles M., assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Ti-Mn-Fe alloys. 2,664,355, Dec. 29.

Craiglow, Robert L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Crystal filter circuit. 2,637,779, May 5.

Craiglow, Robert L., assignor to Collins Radio Company Cedar Rapids, Iowa. Random signal generator. 2,637,845, May 5.

Crain, Robert L.: *See*—
Mueller, Robert A., and Crain.

Crain, Robert L., assignor to Gray Tool Company, Houston, Tex. Protector for oil well equipment. 2,638,169, May 12.

Crain, Robert L., assignor to Gray Tool Company, Houston, Tex. Equipment for treating wells. 2,655,218, Oct. 13.

Crake, Wilfred S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Jet-type drilling jar. 2,635,853, Apr. 21.

Cralle, William F., Charlotte, N. C. Portable double bacon grill. 2,652,766, Sept. 22.

Cramer, Charles, Vaduz, Liechtenstein, assignor to Inventa A-G. Fuer Forschung and Patentverwertung, Zurich, Switzerland. Separation of carbondioxide and ammonia. 2,634,826, Apr. 14.

Cramer, Clifford H.: *See*—
Bramhall, Fay B., Newell, Wells, and Cramer.

Crämer, Helmut G., Stuttgart-Degerloch, and G. Koppenwallner, assignors to Fortuna-Werke Spezialmaschinenfabrik A.-G., Stuttgart-Bad-Cannstatt, Germany. Automatic circular grinding machine. 2,625,773, Jan. 20.

Cramer, Martha K., New York, N. Y. Utility and spectacle case. 2,652,089, Sept. 15.

Cramer, Roy A., Kansas City, Mo. Table with retractable casters. 2,655,387, Oct. 13.

Cramer, Roy A., Kansas City, Mo. Caster. 2,659,100, Nov. 17.

Cramer, Roy A., Kansas City, Mo. Posture chair. 2,659,413, Nov. 17.

Cramer, Roy A., Kansas City, Mo. Resilient mounting for chair backs. 2,662,586, Dec. 15.

Cramer, William J., Jr., and H. W. Fritz, Jr., Cumberland, Md., assignors to Celanese Corporation of America, New York, N. Y. Dyeing of textile materials using alkylamine alginate thickeners. 2,647,035, July 28.

Cramp, Alan P.: *See*—
Mitchell, Edward, and Cramp.

Crampton, Basil R., Rockford, Mich. Flush tank lever. 2,627,607, Feb. 10.

Crampton, David, Montclair, N. J., assignor to Richmond Manufacturing Company, Lockport, N. Y. Holddown device for screen frames. 2,653,714, Sept. 29.

Crampton Manufacturing Company, assignee: *See*—
Jacobson, Edwin B.

Crandall, Charles B., and F. L. Townsend, Loves Park, assignors to Barber-Colman Company, Rockford, Ill. Universal heddle backer for warp drawing machines. 2,627,643, Feb. 10.

Crandall, Gladstone B., Woodstock, Ontario, Canada. Powder measuring device. 2,633,771, Apr. 7.

Crandall, Henry C., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Glass strand reinforced paper. 2,653,090, Sept. 22.

Crandall, Howard W., Berkeley, Calif., and D. C. Stewart, Park Forest, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Separation and purification of alkyl phosphoric acids. 2,658,909, Nov. 10.

Crandall, Julian T., Ashaway, R. I., assignor to Ashaway Line & Twine Mfg. Co. Manufacture of lines for racquets. 2,649,833, Aug. 25.

Crandall, Ronald E.: *See*—
McKellar, John D., and Crandall.

Crandall, Ronald E., Los Angeles, Calif., P. S. Kleven, Fort Worth, Tex., and L. E. Baldwin, Los Angeles, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Hydraulic locking mechanism. 2,664,255, Dec. 29.

Crandell, Robert B.: *See*—
Shepard, Billy R., and Crandell.

Crandon, Frank P., and H. C. Leonard, Acushnet, Mass. Cranberry vine trimmer. 2,657,512, Nov. 3.

Crandon, Harry D., Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Contact lens and method and apparatus for making same. 2,644,985, July 14.

Crandon, Harry D., Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Hand covering. 2,657,391, Nov. 3.

Crane & Breed Casket Company, The, assignee: *See*—
Slaughter, Bernard J., Jr.

Crane Co., assignee: *See*—
Acosta, Ivan J.
Bryant, Corwin W.
Cantalupo, Francis J.
Cantalupo, Francis J., De Craene, Schmidt, Yant, and Setka.
Detlefsen, Gustav C.
Fennema, Richard.
Fennema, Richard, and Hansen.
Glauque, Charles A.
Glaza, Thaddeus J.
Hansen, George.
Hansen, George E.
Hedberg, Albert F., and Langner.
Hjulian, Julius A., Cotterman, and Hansen.
Magos, John P., Larson, and Nelson.
Magos, John P., Schmidt, and De Craene.
McInerney, John A.
Schmidt, Edward G., and Cantalupo.
Schmidt, Edward G., and Stone.
Schmidt, Edward G., and Svabek.
Trefil, James.

Crane, Edward, assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Poultry shackle. 2,644,981, July 14.

Crane, George B., Redondo Beach, assignor to Gilfillan Bros., Inc., Los Angeles, Calif. Oscillation network with circuits for developing voltages in accordance with angular positions of radiated antenna beams. 2,650,358, Aug. 25.

Crane Packing Company, assignee: *See*—
McElvenny, William H.
Payne, Frank E.
Roshong, Raymond G.
Roshong, Raymond G., and Peickli.
Voytech, Charles F.
White, Fred L.

Crane, Paul T., New York, N. Y. Illuminated key case. 2,625,645, Jan. 13.

Crane, Robert L.: *See*—
Marshall, Donald E., Harrington, and Crane.

Crane, Robert L., Glen Lake, assignor to Continental Machines, Inc., Savage, Minn. Work table feeding mechanism for band saw machines. 2,625,965, Jan. 20.

Crane, Robert L., assignor to Continental Machines, Incorporated, Savage, Minn. Safety lock for band saw tensioning mechanism. 2,644,492, July 7.

Crane, Victor S., and P. R. Honan, assignors to Delpark Corporation, Lebanon, Ind. Liquid filter device. 2,664,203, Dec. 29.

Crane, Walton B., Beverly Hills, assignor to Max Factor & Co., Hollywood, Calif. Cosmetic holder. 2,626,047, Jan. 20.

Cranes (Dereham) Limited, assignee: *See*—
Chaplin, William D.

Cranford, Jesse A., Buffalo, assignor to Western Electric Company, Incorporated, New York, N. Y. Spool dimension indicator. 2,642,666, June 23.

Cranford, Jesse A., Buffalo, assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for detecting discontinuities in wire. 2,643,285, June 23.

Cranmer, George H., Elkins Park, Pa., assignor to Electrolux Corporation, New York, N. Y Means to eject dust bag from vacuum cleaner casing. 2,649,926, Aug. 25.

Cranmer, George H., Philadelphia, Pa., assignor to Electrolux Corporation, Old Greenwich, Conn. Automatic vacuum cleaner. 2,634,819 Apr. 14.

Cranmer, John M., East Providence, R. I., assignor to Socony-Vacuum Oil Company, Incorporated, New York N. Y. Gasoline treating. 2,645,603, July 14.

Cranston, Albert E., Jr., Spokane, Wash. Board fastening machine. 2,631,283, Mar. 17.

Cranston, Albert E., Sr., assignee: *See*—
Cranston, Albert E., R. J., and A. E.

Cranston, Albert E., R. J., and A. E., assignors, by mesne assignments, to A. E. Cranston, Sr., Oak Grove, Oreg. Wrapping and binding machine. 2,630,751, Mar. 10.

Cranston, Royal J.: *See*—
Cranston, Albert E., R. J., and A. E.

Crary, Leonard R., Philadelphia, Pa. Overload protective system. 2,644,563, July 7.

Craven, Ella, administratrix: *See*—
Craven, Rankin E.

Craven, John P.: *See*—
Maxwell, Carl A., and Craven.

Craven, Rankin E., deceased, Whittier, Calif.; E. Craven, administratrix. Valve and seat for slush pumps. 2,640,677, June 2.

Craver, Clyde R., Mobile, Ala. Life preserver and illuminating means therefor. 2,642,591, June 23.

Craver, John K., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized cellulose ester compositions. 2,640,785, June 2.

Crawford, Alfred, assignor to The Crawford Manufacturing Company, Incorporated, New Brunswick, N. J. Automatic supplementary source for electric stop-motions. 2,625,027, Jan. 13.

Crawford, Alfred, and M. Antonevich, assignors to The Crawford Manufacturing Company, Inc., New Brunswick, N. J. Needle saver stop motion. 2,661,615, Dec. 8.

Crawford, Charles P., Chicago, Ill. Auxiliary oven. 2,633,840, Apr. 7.

Crawford, Chester C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Wood rosin refining process. 2,625,540, Jan. 13.

Crawford, Claud F., Pasadena, Calif., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Foot cushioning appliance. 2,633,129, Mar. 31.

Crawford Door Company, assignee: *See*—
Robinson, Lowell V.

Crawford, Franzo H., Williamstown, Mass., assignor to the United States of America as represented by the Secretary of War. Tunable magnetron tube. 2,639,406, May 19.

Crawford, Franzo H., Williamstown, Mass., assignor to the United States of America as represented by the Secretary of War. Tunable magnetron tube. 2,653,276, Sept. 22.

Crawford, Franzo H., Williamstown, Mass., assignor to the United States of America as represented by the Secretary of War. Tunable magnetron. 2,659,032, Nov. 10.

Crawford, Franzo H., Williamstown, Mass., and C. G. Hok, Middletown, Conn., assignors to the United States of America as represented by the Secretary of War. Tunable magnetron. 2,635,211, Apr. 14.

Crawford, Franzo H., Williamstown, Mass., and C. G. Hok, Middletown, Conn., assignors to the United States of America as represented by the Secretary of War. Tunable magnetron. 2,635,212, Apr. 14.

Crawford, Herman E., Kernersville, N. C. Machine for knitting shaggy fabrics. 2,661,612, Dec. 8.

Crawford, James H.: *See*—
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.

Crawford, John, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric and manufacture. 2,650,621, Sept. 1.

Crawford, John W. C., Welwyn Garden City, England, assignor to Imperial Chemical Industries Limited. Normal and isopropyl methacrylate production. 2,636,049, Apr. 21.

Crawford Manufacturing Company, Inc., The, assignee: *See*—
Antonevich, Michael.
Crawford, Alfred.
Crawford, Alfred, and Antonevich.

Crawford, Richard A., Akron, and R. T. Morrissey, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Isoolefin polyolefin interpolymer derivatives and compositions comprising the same. 2,631,984, Mar. 17.

Crawford, Thomas J.: *See*—
Caputo, James V., and Crawford.

Crawford, Vincent L.: *See*—
Horne, William A., and Crawford.

Crawford, Vincent L., Fox Chapel, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Hydrodesulfurization process. 2,646,388, July 21.

Crawford, Wayne B., Houston, Tex. Power line lift pole. 2,662,730, Dec. 15.

Crawford, William B., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Making containers. 2,644,198, July 7.

Creager, Donald L.: *See*—
Swartz, Noah A., and Creager.

Creamer, Charles C., Minneapolis, Minn. Ac... or tile. 2,657,759, Nov. 3.

Creber, Le Roy A., Noroton Heights, Conn. Va... ratio gear drive transmission. 2,653,491, S...

Crede, Charles E.: *See*—
Lambert, Frank, Jr., and Crede.

Creech, Jesse E., Jacksonville, Fla. Cell c... 2,626,686, Jan. 27.

Creed and Company Limited, assignee: *See*—
Munck, Leslie S.
Salmon, Reginald D.

Creegan, Vincent T., Center Line, assignor ... Steel Company, Detroit, Mich. Glazing clip. ... May 5.

Creek, James D.: *See*—
Watson, Edwin D., and Creek.

Creel, James E., Warrior, and W. E. Russell, B... Ala. Swingable vehicle step. 2,653,036, Se...

Creglow, Loran A.: *See*—
Clevenger, Galen H., and Creglow.

Crehan, William J.: *See*—
Talmey, Paul, and Crehan.

Crelo Manufacturing Company, Inc., assign... Line, Ermal J., and Hedges.

Cremens, Leroy W., Pittsburgh, Pa. Railing. ... Oct. 6.

Cremer, Gottfried M. J., Frechen, near Cologne ... Firing ceramic articles. 2,625,730, Jan. 20.

Cremer, Gottfried M. J., Frechen, near Cologn... Process and apparatus for the drying of ce... 2,658,285, Nov. 10.

Cremins, William F.: *See*—
Tichenor, Edwin L., and Cremins.

Crenshaw, Charles R. L.: *See*—
Crenshaw, Elizabeth and C. R. L.

Crenshaw, Elizabeth, Inglewood, and C. R. L... Los Angeles, Calif. Ironing board exte... 2,657,485, Nov. 3.

Crenshaw, Files, Montgomery, Ala. Let-down ... top with telescopic sections. 2,632,670, M...

Crenshaw, Orville F., assignee: *See*—
Morgan, Carl E.

Crenshaw, Russell S., Jr., Arlington, Mass. ... dicating apparatus. 2,625,325, Jan. 13.

Crepps, Glenn M.: *See*—
Rochlin, Doris C., and Crepps.

Crescent Industries, Inc., assignee: *See*—
Siebert, Raymond C.

Crescenzo, Francis C., Springfield, assignor to ... chinery Company, East Longmeadow, Mass... machine for flexible articles. 2,624,994, Jan...

Creskoff, Jacob J., Washington, D. C., assignor ... Fluid Corporation. Producing cementiti... 2,638,655, May 19.

Creson, William K., assignor to Ross Gear & ... pany, La Fayette, Ind. Horn button switch ... Jan. 13.

Creson, William K., and M. W. Berghoff, assig... Gear & Tool Company, La Fayette, Ind. ... 2,626,839, Jan. 27.

Creson, William K., P. A. Newman, and M. ... assignors to Ross Gear & Tool Company, La... Steering gear. 2,656,734, Oct. 27.

Crespinel, William T., Burbank, Calif. Means ... ing electric signals. 2,632,815, Mar. 24.

Cresset Research Corporation, assignee: *See*—
Baty, Joseph A.

Cresswell, Arthur, Stamford, Conn., assignor ... Cyanamid Company, New York, N. Y. Sh... and producing it. 2,637,321, May 5.

Cresswell, Arthur, Stamford, Conn., assignor ... Cyanamid Company, New York, N. Y. Sp... tions comprising an acrylonitrile-allyl alc... mer. 2,644,803, July 7.

Cresswell, Arthur, Stamford, Conn., assignor ... Cyanamid Company, New York, N. Y. Co... paratus for separating gases from liquids. ... Aug. 11.

Cresswell, Arthur, Stamford, Conn., assigno... can Cyanamid Company, New York, N. Y. ... treatment of shaped articles comprising a... and treated articles. 2,654,678, Oct. 6.

Cresswell Roll Forming Company Limited, assi... Millier, William R.

Creswick, Edward A., assignor to The Americ... Machinery Company, Cincinnati, Ohio. ... system. 2,630,694, Mar. 10.

Creutz, Edward C., Pittsburgh, Pa., assignor t... States of America as represented by the U... Atomic Energy Commission. Forgi... 2,653,494, Sept. 29.

Creveling, Catherine B., and E. V. Pennell ... N. Y. Convertible hassock and bed ... 2,664,145, Dec. 29.

Crever, Frederick E., Scotia, N. Y., assignor, ... signments, to the United States of Ameri... sented by the United States Atomic Energy ... Electromagnetic centrifugal pump. 2,652,7...

Crewe Manufacturing & Tool Co., assignee: ... Crewe, Samuel.

Crewe, Samuel, East Cleveland, assignor to ... facturing & Tool Co., Cleveland, Ohio. C... cartridge adapter. 2,652,955, Sept. 22.

Crews, James H., San Marcos, Tex., assignor to The First National Bank of San Marcos. Can opener. 2,628,421, Feb. 17.
Crewson, Allen M., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Air-laying fiber felts. 2,649,394, Aug. 18.
Crich, Frank O., Toronto, Ontario, Canada. Pot lifter. 2,658,788, Nov. 10.
Crichton, Andrew B., Jr., Johnstown, Pa., and C. G. Wennerstrom, Chicago, Ill.; said Wennerstrom assignor to The Crichton Company, Johnstown, Pa. Power take-off system and apparatus. 2,645,944, July 21.
Crichton, Andrew B., Jr., Johnstown, Pa., and C. G. Wennerstrom, Chicago, Ill.; said Wennerstrom assignor to The Crichton Company, Johnstown, Pa. Drill apparatus with safety control. 2,646,144, July 21.
Crichton, Andrew B., Jr., Johnstown, Pa., and C. G. Wennerstrom, Chicago, Ill.; said Wennerstrom assignor to The Crichton Company, Johnstown, Pa. Clutch for drill heads. 2,646,146, July 21.
Crichton, Andrew B., Jr., Johnstown, Pa., and C. G. Wennerstrom, Chicago, Ill.; said Wennerstrom assignor to The Crichton Company, Johnstown, Pa. Clutch for drill heads. 2,646,147, July 21.
Crichton, Andrew B., Jr., Johnstown, Pa., and C. G. Wennerstrom, Chicago, Ill.; said Wennerstrom assignor to The Crichton Company, Johnstown, Pa. Coupling. 2,646,297, July 21.
Crichton Company, The, assignee: *See*—
Crichton, Andrew B., Jr., and Wennerstrom.
Criddle, Edward S., Columbia, Tenn. Removing rust from metal surfaces. 2,661,314, Dec. 1.
Crider, Walter L., Blacksburg, Va. Coating device for small articles. 2,656,558, Oct. 27.
Crile, Vaughn L., Washington, Pa. Bearing mounting. 2,627,626, Feb. 10.
Criley, Frederick F.: *See*—
Criley, William W., Criley, and Boggis.
Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Making forged blanks and forgings. 2,626,453, Jan. 27.
Criley, William W., Shaker Heights, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Upsetting forging machine. 2,647,421, Aug. 4.
Criley, William W., deceased, Shaker Heights, Ohio, F. F. Criley, Terra Ceia, Fla., and H. P. Boggis, Shaker Heights, Ohio; W. S. Criley, executrix of said W. W. Criley, assignors to said F. F. Criley, as trustee. Forging machine. 2,639,632, May 26.
Crim, Dwight O.: *See*—
Foust, Floyd J., Childress, Crim, and Thompson.
Crim, Thomas H., Jr.: *See*—
Brooks, Richard E., Chance, Crim, and Strain.
Crimmel, Harold J., Lewistown, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Lifting hook. 2,634,156, Apr. 7.
Crimmins, Cornelius A., Stoughton, Mass. Elastic rib knitted fabric. 2,653,463, Sept. 29.
Crimmins, William C., Marion, Ind. Sequential timer and the like. 2,624,811, Jan. 6.
Criner, Harry E.: *See*—
Hopper, Dwight L., and Criner.
Criner, Harry E., and B. A. Rose, Forest Hills Borough, assignors to Heyl & Patterson, Inc., Pittsburgh, Pa. Clamp-operating mechanism for rotary car dumpers. 2,634,006, Apr. 7.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Washing machine. 2,630,001, Mar. 3.
Crinion, Fred W.: *See*—
Kachelski, Albert F., Crinion, and Beers.
Crinkley, Matthew A., and E. C. Swanson, Minneapolis, Minn. Box. 2,634,045, Apr. 7.
Cripe, Maxwell L., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission control mechanism. 2,634,622, Apr. 14.
Crippen, Claude C., Arlington, Fla. Milk can container. 2,657,828, Nov. 3.
Crippen, Lee H., Lansing, Mich. Starter for internal-combustion engines. 2,656,829, Oct. 27.
Crippen, Nellie, Portland, Oreg. Cam actuated jar clamp. 2,634,637, Apr. 14.
Crisci, Harry, assignee: *See*—
Morgan, Joseph P.
Crisp, Alvin H., Moscow, Idaho. Vibratory razor. 2,659,968, Nov. 24.
Crist Engineering Company, assignee: *See*—
Hadden, Edward L.
Cristiano, Joseph, Bronx, N. Y. Stapling mechanism. 2,625,682, Jan. 20.
Cristofv, Cristjo, Toronto, Ontario, Canada. Joint for surgical instruments. 2,632,661, Mar. 24.
Critchfield, Charles L., Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Navy. Subcaliber projectile. 2,638,051, May 12.
Critchfield, Robert, assignee: *See*—
Shank, Clarence S.
Critchfield, Robert M., and J. W. Lawson, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch. 2,637,789, May 5.
Crites, Nelson A.: *See*—
Fick, Nathaniel C., and Crites.
Crittendon, Lexie R., and P. R. Haskell, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Slide-actuated firearm with tilting locking block. 2,645,873, July 21.
Croake, William D., Middletown, and B. D. Ellis, Franklin, assignors to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,642,781, June 23.
Crocker, John C., Ware Shoals, S. C. Parallel tongue and picker stick check for looms. 2,655,183, Oct. 13.
Crockett, Cyril C., Glendale, Calif. Igniter and making same. 2,650,488, Sept. 1.
Crockett, Samuel J., Philippi, W. Va. Dowel rod anchor. 2,650,476, Sept. 1.
Croes, Arthur, assignor to Pacific Mills, Lawrence, Mass. Shuttle. 2,629,406, Feb. 24.
Crofoot, Charles E., Gear Corp., assignee: *See*—
Barron, John T.
Crofoot, Clarence E.: *See*—
Shuler, Sanford A., Jr., and Crofoot.
Croft, Jack, Cisco, Tex. Lever actuated latch bolt. 2,632,663, Mar. 24.
Crog, Richard S.: *See*—
Carpenter, Clayton A., and Crog.
Croker, Arthur W.: *See*—
Doeg, Paul R., and Croker.
Crom, John M., New York, N. Y. Distribution of solids in air. 2,637,539, May 5.
Crome, Lester C., West Alexandria, assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Producing cast iron. 2,662,820, Dec. 15.
Cromeans, John S., Dewey, Okla., assignor to Phillips Petroleum Company. Protection of refractories in a reaction system from high temperatures by blanketing gases. 2,664,402, Dec. 29.
Cromeans, John S., Dewey, Okla., assignor to Phillips Petroleum Company. Recovery of oxygenated organic compounds. 2,664,434, Dec. 29.
Cromling, J. H., assignee: *See*—
Eckbreth, Walter M.
Cromna Company, The, assignee: *See*—
Mortensen, Svend O.
Crompton, Arthur, assignor of one-half to Robey & Co. Limited, Lincoln, England. Unloading of material. 2,651,403, Sept. 8.
Crompton, Charles, Jr., Brooklyn, N. Y. Attachable cuff for trouser legs and the like. 2,638,600, May 19.
Crompton, George, Jr., Framingham Centre, assignor to Norton Company, Worcester, Mass. Hydraulic thrust bearing and reciprocator for shafts. 2,661,580, Dec. 8.
Crompton & Knowles Loom Works, assignee: *See*—
Ames, Frederick W.
Beatrice, Gabriel C.
Bergstrom, Carl P.
Blanchard, William A.
Cederlund, Albert.
Darwin, Clifford.
Dion, Raymond F.
Hagstrom, Raymond A.
Holmes, Elbridge R.
Johnson, Glenn D.
Kennedy, John T.
Kiely, Thomas J.
Kronoff, Clarence R.
Kronoff, Clarence R., and Krukonis.
Krukonis, Alexander C.
Krukonis, Alexander C., and Wakefield.
Payne, Oscar V.
Turner, Richard G.
Wakefield, Walter H.
Waterhouse, Lewis O.
Whitin, Herbert A.
Cromwell, Harold J.: *See*—
Schneider, Paul L., and Cromwell.
Schneider, Paul L., Cromwell, and Taylor.
Cromwell Paper Company, The, assignee: *See*—
Le Bolt, John M.
Schaar, Charles H.
Stern, Walter.
Cronan, Clifford B., West Newton, Mass. Magazine cigarette lighter for automobiles. 2,663,606, Dec. 22.
Cronberger, Lothar C., Tulsa, Okla. Animal trap. 2,655,759, Oct. 20.
Crone, Alfred F., Kenmore, assignor to Acme Steel & Malleable Iron Works, Buffalo, N. Y. Road joint connection. 2,652,752, Sept. 22.
Cronheim, Richard B., St. Louis, Mo. Vented cover for cooking vessels. 2,643,024, June 23.
Cronin, Eugene J., Baltimore, Md. Nursing nipple. 2,655,920, Oct. 20.
Cronin, Eugene J., San Mateo, Calif. Magnetostriction apparatus. 2,638,567, May 12.
Cronite Co., Inc., The, assignee: *See*—
Gillis, Edmund A.
Cronk, George W., East Orange, N. J., assignor to Worthington Corporation. Apparatus for determining the consistency of concrete mix. 2,643,542, June 30.
Cronkhite, Harrison L., Wyandotte, Mich. Carbon holder for arc lamps. 2,641,729, June 9.
Cronshey, Raymond W.: *See*—
Ehrbar, Edward J., and Cronshey.
Cronstedt, Val, Malborough, assignor to United Aircraft Corporation, East Hartford, Conn. Method and apparatus to establish locating points on workpieces. 2,629,936, Mar. 3.

Crook, Frank M., Toledo, Ohio, assignor to Toledo Desk & Fixture Corporation. Joint construction for angular members. 2,635,308, Apr. 21.
Crook, Leslie G., Camberley, England. Air extractor. 2,648,474, Aug. 11.
Crook Paper Box Company, assignee: *See*—
Trickett, Lawrence G., Jr., and Deem.
Crook, William C. H.: *See*—
Legg, George C. J., and Crook.
Crook, Wilton, Bloomfield, N. J., assignor to Curtiss-Wright Corporation. Variable flow nozzle. 2,625,008, Jan. 13.
Crooker, David E., assignee: *See*—
Felker, Raymond L.
Crooker, David E., Ontonagon, Mich., assignor of one-half to L. L. Felker, Marshfield, Wis. Nonskid rubber traction members. Re. 23,689, July 28.
Crooker, David E., Ontonagon, Mich., assignor of one-half to L. L. Felker, Marshfield, Wis. Device for corrugating wire. 2,643,688, June 30.
Crooker, David E., Ontonagon, Mich., assignor of one-half to L. L. Felker, Marshfield, Wis. Machine for forming continuous wire coils. 2,643,698, June 30.
Crooker, David E., Ontonagon, Mich., assignor of one-half to L. L. Felker, Marshfield, Wis. Apparatus for manufacturing tire treads. 2,644,984, July 14.
Crooks, Charles E.: *See*—
Beckman, William R., and Crooks.
Beckman, William R., Schilke, and Crooks.
Crooks, Earl G., Binghamton, assignor to Lestershire Spool and Manufacturing Company, Johnson City, N. Y. Driver for spools or bobbins. 2,650,770, Sept. 1.
Crooks, Horatio N., Haddonfield, N. J., assignor to Radio Corporation of America. Electronic trigger circuit. 2,635,214, Apr. 14.
Crookshank, Fred T.: *See*—
Deutser, Alton J., and Crookshank.
Crookston, Robert R.: *See*—
Griffin, Harold F., and Crookston.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Automatic control system for well drilling. 2,626,127, Jan. 20.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Warning device for piston cylinders. 2,632,420, Mar. 24.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Equipping wire line drums with spacing strips. 2,633,629, Apr. 7.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Kelly drive bushing stabber. 2,634,100, Apr. 7.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Control mechanism for hydraulic systems of rotary drilling rigs. 2,638,319, May 12.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Position control device. 2,656,027, Oct. 20.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Governor for prime mover with compressed air control for adjusting it to a wide range of speeds. 2,656,174, Oct. 20.
Crookston, Robert R., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Live load weight indicator assembly. 2,659,574, Nov. 17.
Crookston, Robert R., and W. L. Chappell, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hoisting device. 2,627,391, Feb. 3.
Crookston, Robert R., and J. S. Waters, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Torque indicating and shock absorber device. 2,651,197, Sept. 8.
Crookston, Robert R., and S. C. Brown, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Device for cleaning pipe threads. 2,661,494, Dec. 8.
Cropper, Wendell P., Lansing, and G. E. Schmitkons, Flossmoor, assignors to Standard Oil Company, Chicago, Ill. Catalyst separation. 2,635,749, Apr. 21.
Crory, Frederick J., Durham, N. H., assignor to Morrone Manufacturing Co., Inc., Westerly, R. I. Single trigger firing mechanism for double-barreled guns. 2,641,076, June 9.
Crosby, Clarence L., Berwyn, Ill. Box holder. 2,626,119, Jan. 20.
Crosby, Edward L., Jr., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Sound separation means for carrier frequency difference television receivers. 2,652,447, Sept. 15.
Crosby, George A., Park Ridge, and A. I. Ericsson, assignors to Signode Steel Strapping Company, Chicago, Ill. Package binding tool. 2,661,030, Dec. 1.
Crosby, Hartzell L.: *See*—
Gray, Kenneth R., and Crosby.
Crosby, Melvin A., Cincinnati, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Continuous gauging apparatus. 2,632,956, Mar. 31.
Crosby, Melvin A., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Apparatus for continuous gauging. 2,640,274, June
Crosby, Murray G., New Hyde Park, N. Y., assignor to Boonton Radio Corporation, Boonton, N. J. Automatic or phase modulating system. 2,657,359,
Croshere, Austin B., Jr., and S. Kleinhans, Santa Monica, and C. C. Wood, Brentwood Heights, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Tandem rotor helicopter. 2,633,195, Feb. 24.
Crosland, Edward M., Culcheth, near Warrington, and J. F. Naylor, assignors to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Dough-dividing machine for dough. 2,642,014, June 16.
Crosley Broadcasting Corporation, assignee: *See*—
Rockwell, Ronald J.
Cross, Bert S., and R. S. Frigstad, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Facing sheet for machine sanding with coated abrasive. 2,633,679, Apr. 7.
Cross, Bert S., Bloomington Township, Hennepin County, and G. P. Netherly, Afton Township, Washington County, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Transfer coating. 2,657,141, Nov. 3.
Cross, Carroll N., Middleboro, Mass. Support for display mounts. 2,654,554, Oct. 6.
Cross, Charles: *See*—
Macgeorge, William D., and Cross.
Cross, Chester E.: *See*—
Christensen, William R., and Cross.
Cross, James M.: *See*—
Burnette, Llewellyn W., and Cross.
Mayhew, Raymond L., and Cross.
Sundberg, Robert L., Albus, and Cross.
Cross, James M., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Wetting and surface active agents. 2,651,645, Sept. 8.
Cross, Joseph A., Westerville, Ohio, assignor to Cross Bros. Co. Inc., Chicago, Ill. Method and apparatus for recovering volatile flavoring material. 2,
13.
Cross, Joseph A., Westerville, Ohio, assignor to Cross Bros. Co. Inc., Chicago, Ill. Pasteurizing apparatus. 2,644,758, July 7.
Cross, Ralph E., Grosse Pointe, Mich. Trunnion. 2,642,179, June 16.
Cross, Richard N., Erie, Pa., assignor to General Electric Company. Cable reeling system. 2,626
Cross, Roy H.: *See*—
Packer, Lewis C., Cross, and Monchamp.
Cross, Sherwood T., Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Bloom inhibitor. 2,626,216, Jan. 20.
Cross, Thomas, Jr.: *See*—
Bartlett, Jeffrey H., and Cross.
McNulty, George M., and Cross.
Crossley, Charles C., Point Edward, Ont., Canada. Float-equipped aircraft. 2,642,239, June
Crossley, Frank S., Collingdale, Pa., assignor to Sun Oil Co., Inc., Rahway, N. J. Alkylation of ketones with methyl ketones. 2,644,843, July 7.
Crossley, Moses L., Plainfield, and P. F. Drew, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. 5-aralkylamino-9-dialkylaminobenz [a] phenoxazine compounds and pr
2,647,895, Aug. 4.
Crossly Window Corp., assignee: *See*—
Somerstein, Fred.
Crossman, Francis M., New York, N. Y. Ju
heat radiation generator. 2,641,313,
Croston, Edward L., Dash Point, assignor to Fibrous Manufacturing Company, Inc., Tacoma, Wash. Fibrous joining apparatus. 2,657,160, Oct. 27.
Croston, Edward L., Dash Point, and H
assignors to American Manufacturing Company, Inc., Tacoma, Wash. Fibrous material extru
2,648,262, Aug. 11.
Crothers, John M., Lambert, Miss. Cor
and tie. 2,647,262, Aug. 4.
Crouch, John E.: *See*—
Studebaker, Merton L., and Crouch.
Crouch, Willie W.: *See*—
Schulze, Walter A., and Crouch.
Crouch, Willie W., Bartlesville, Okla., assi
Petroleum Company. Production of al
detergent compositions, including a me
ling the sodium sulfate content there
Feb. 10.
Crouch, Willie W., Bartlesville, Okla., assi
Petroleum Company. Production of 1
diene. 2,631,175, Mar. 10.
Crouch, Willie W., Bartlesville, Okla., assi
Petroleum Company. Treating polyme
alkali metal catalyzed polymerizations.
28.
Crouch, Willie W., Bartlesville, Okla., assi
Petroleum Company. Butadiene polym
additives. 2,638,460, May 12.
Crouch, Willie W., Bartlesville, Okla., assi
Petroleum Company. Manufacture of
and diacetyl sulfide. 2,639,293, May 19.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drying resins from oil-modified alkyds and liquid polybutadiene. 2,662,862, Dec. 15.

Crouch, Willie W., R. T. Werkman, and R. J. Fanning, Bartlesville, Okla., assignors to Phillips Petroleum Company. Thiolesters and their preparation. 2,626,279, Jan. 20.

Crouch, Willie W., and R. T. Werkman, Bartlesville, Okla., assignors to Phillips Petroleum Company. 2-cyanoethyl thiolacetate and its preparation. 2,630,448, Mar. 3.

Crouch, Willie W., and R. T. Werkman, Bartlesville, Okla., assignors to Phillips Petroleum Company. Beta-mercaptopropionitrile and their preparation. 2,630,452, Mar. 3.

Crouch, Willie W., and R. T. Werkman, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of diacetyl sulfide. 2,639,296, May 19.

Crouch, Willie W., and J. F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Stabilization of polysulfone resins with organic sulfides. 2,643,241, June 23.

Crouch, Willie W., and E. W. Cotton, deceased (by R. K. Harris, administrator), Bartlesville, Okla., assignors to Phillips Petroleum Company. Emulsion copolymerization of sulfur dioxide and unsaturated organic compounds. 2,645,631, July 14.

Croucher, Henry G., assignor to William Clowes & Sons Limited, Beccles, England. Machine for producing type faced impressions in or for printing. 2,639,017, May 19.

Croucher, Henry G., assignor to William Clowes & Sons Limited, Beccles, England. Means for controlling character width or spacing in apparatus for composing or reproducing typographical and like matter. 2,650,697, Sept. 1.

Crouse, Garrett H., Baltimore, Md. Sander. 2,631,874, Mar. 17.

Crouse-Hinds Company, assignee: *See*—
Bissell, Carl H.
Bush, Harold L., and Parish.
Parish, Willard E.

Crout, Prescott D., Lexington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Strapped multicavity magnetron. 2,639,403, May 19.

Crow, Rector, Los Angeles, Calif. Closure, operating, and controlling device. 2,657,925, Nov. 3.

Crowder, John T., Sherman Oaks, Calif. Novelty cap. 2,648,847, Aug. 18.

Crowe, John J., Westfield, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for open butt welding metal workpieces. 2,657,660, Nov. 3.

Crowe, John T., Chicago, Ill., and C. E. Seaberg, Gardena, Calif. Accelerator controlled vehicle warning light. 2,662,132, Dec. 8.

Crowell, Arnold B.: *See*—
Gardinor, Elliott W., and Crowell.

Crowell, Arnold B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Printing control means for record controlled machines. 2,651,254, Sept. 8.

Crowley, Cornelius J., assignor to The Seamless Rubber Company, New Haven, Conn. Athletic ball. 2,662,771, Dec. 15.

Crowley, Ernest W., Santa Monica, Calif., assignor to North American Aviation, Inc. Coupling. 2,625,410, Jan. 13.

Crowley, Francis C.: *See*—
Reed, Robert G., and Crowley.

Crowley, George C., Stratford, Conn., assignor to General Electric Company. Temperature control circuit. 2,624,825, Jan. 6.

Crowley, Henry L., South Orange, N. J., M. E. Graham, Parma, and E. A. Reidler, Columbus, assignors to Republic Steel Corporation, Cleveland, Ohio. Reducing ferrous chloride in the gaseous phase with hydrogen to produce metallic iron. 2,663,633, Dec. 22.

Crowley, John A., Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for hydrocarbon conversion. 2,626,857, Jan. 27.

Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon conversion process. 2,635,988, Apr. 21.

Crowley-Milling, Michael C.: *See*—
Miller, Charles W., Saxon, and Crowley-Milling.

Crowley-Republic Steel Corporation, assignee: *See*—
Reidler, Edward A.
Walters, Clarence C.

Crown Can Company, assignee: *See*—
Schmidt, John.

Crown Cork & Seal Company, Inc., assignee: *See*—
Day, Carl L., and Freeze.
Erhardt, John E., Jr.
Erhardt, John E., Jr., and Duffy.
Wilckens, Elbe A., and Stoll.

Crown Cork Specialty Corporation, assignee: *See*—
Burnell, Milo.

Crown Machine and Tool Company, Inc., assignee: *See*—
Bohannon, George S.

Crown Zellerbach Corporation, assignee: *See*—
Dupasquier, Joseph H.
King, Glengarry D.
Martin, John B., and Funk

Crowther, Bernard, Harden, near Bingley, assignor to Flexicon Cord Services, Limited, Bradford, England. Power-transmission adjusting device. 2,646,690, July 28.

Crowther, Edmond C., Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill. Nut and retainer assembly. 2,658,546, Nov. 10.

Crowther, Harold E., Watertown, and L. T. Hopkinson, Newton, assignors to The Atlantic Coast Fisheries Company, Boston, Mass. Preparing fish fillet blocks. 2,643,592, June 30.

Crowther, William H., Seattle, Wash. Building panel and construction. 2,659,938, Nov. 24.

Croxall, Willard J.: *See*—
Melamed, Sidney, and Croxall.

Croxall, Willard J., Elkhart, Ind., and C. Lo, assignors to Rohm & Haas Company, Philadelphia, Pa. 5-alkoxymethylene rhodanines. 2,658,890, Nov. 10.

Croy, Charles R., Ecorse, Mich. Optical image focusing apparatus. 2,638,815, May 19.

Croy, Charles R., Ecorse, Mich. Optical image focusing apparatus. 2,652,748, Sept. 22.

Crozier, Robert N. and W. K. Wilson, assignors to Shawinigan Resins Corporation, Springfield, Mass. Adhesive and coating composition from synthetic copolymers. 2,643,238, June 23.

Cruce, Thomas M., Billings, Mont. Chain clip. 2,652,610, Sept. 22.

Crucible Steel Company of America, assignee: *See*—
Ferm, John F.
Lewis, Reed.
Lowe, Wallace K.
Payson, Peter, and Chow.
Payson, Peter, and Nehrenberg.

Cruikshank, Blanche D., Coshocton, Ohio. Portable rack. 2,647,643, Aug. 4.

Cruikshank, Douglas B., Alexandria, Va. Battery manufacture. 2,634,306, Apr. 7.

Crum, Dennis R., Escalon, Calif. Ridger. 2,641,983, June 16.

Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combustion engine pressure control apparatus. 2,627,370, Feb. 3.

Crumble, James H., Brooklyn, assignor to Carva Ventures, Incorporated, New York, N. Y. Manually energized and spring operated bicycle. 2,638,359, May 12.

Crumbliss, Ranza A., Chicago, Ill. Testing apparatus. 2,638,495, May 12.

Crump, Elmo E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radar system. 2,656,532, Oct. 20.

Crump, Murrel, Olathe, Kans. Grass cutting attachment for tractors. 2,653,437, Sept. 29.

Crump, Walter J.: *See*—
Hoffmann, Anton R., and Crump.

Crumrine, Kenneth C., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Subsurface prospecting. 2,628,315, Feb. 10.

Crumrine, Kenneth C., Tulsa, Okla., assignor to Standard Oil Development Company. Precision switching assembly for electrical prospecting. 2,640,097, May 26.

Crumrine, Kenneth C., Tulsa, Okla., and R. P. Mazzagatti, Houston, Tex., assignors to The Texas Company, New York, N. Y. Voltage stabilizing amplifier system for neutron detectors. 2,662,188, Dec. 8.

Cruse, Joseph E., assignor of one-half to W. Payne, Omaha, Nebr. Disk harrow. 2,648,184, Aug. 11.

Cruse, Joseph E., Omaha, and J. Vlach, Jr., Lincoln, Nebr. Connector element for tractor hitch members. 2,633,067, Mar. 31.

Cruthley, Douglas, assignee: *See*—
Teall, Oliver E.

Cruz, Mamerto M., Jr., assignor to American Viscose Corporation, Wilmington, Del. Making stable detwisted yarns and fabrics comprising the same. 2,638,734, May 19.

Cruz, Rose, New York, N. Y. Separable shield for rosette making machines. 2,660,777, Dec. 1.

Cruzan, Charles C., Salt Point, assignor to Wire-O Corporation, Poughkeepsie, N. Y. Automatic paper punching machine. 2,641,321, June 9.

Cruzan, Charles C., Salt Point, assignor to Wire-O Corporation, Poughkeepsie, N. Y. Round cornering machine. 2,656,888, Oct. 27.

Cruzan, Charles G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Magnetostriction seismometer. 2,643,367, June 23.

Cryder, James W., assignor of one-half to P. E. Cryder, Denver, Colo. Smoker's pipe. Re. 23,663, June 2.

Cryder, Pearl E., assignee: *See*—
Cryder, James W.

Cryns, Joseph, Chicago, Ill. Baking frame. 2,644,444, July 7.

Crystal, John, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Impact crusher rotor with rigid hammers. 2,646,224, July 21.

Crystal Research Laboratories, Inc., assignee: *See*—
Andersen, Walther M. A.

Crystal Waxing Company, The, assignee: *See*—
Klevit, Jasper.

Crystal X Corp., assignee: *See*—
Okle, John A.

Crystal-Flo Products Company, assignee: *See*—
Thompson, Parke H.

Csigi, Paul G., assignor, by mesne assignments, to Lico Manufacturing Co., Inc., Bridgeport, Conn. Rotary cutting machine. 2,654,430, Oct. 6.

Cuadras, Salvador, Saint-Leu-la-Foret, France, assignor to Holbrefin S. A., Geneva, Switzerland. Spraying appliance. 2,651,544, Sept. 8.

Cubberley, Amariah H., Belleville, N. J. Heating control system. 2,639,095, May 19.

Cube Steak Machine Co., assignee: *See*—
Spang, William F.

Cuccia, Carmen L., Princeton, N. J., assignor to Radio Corporation of America. Apparatus for converting electrical frequency variations into amplitude variations. 2,638,539, May 12.

Cucksey, Morris W.: *See*—
Lange, Richard F., and Cucksey.

Cucuro, James: *See*—
Sader, Louis A., and Cucuro.

Cuddeback, Nelson C., Chicago Heights, Ill., assignor to The Hoover Company, North Canton, Ohio. Illuminating means for tank type suction cleaners. 2,628,303, Feb. 10.

Cuddeback, Nelson C., Chicago Heights, Ill., assignor to The Hoover Company, North Canton, Ohio. Illuminating means for tank type suction cleaners. 2,632,912, Mar. 31.

Cudebec, Clayde L., deceased, by A. W. Lane, administrator, Glendale, Calif. Closure remover with slidable toothed wheel. 2,638,023, May 12.

Cudini, Roger G.: *See*—
Patton, John W., and Cudini.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Co., Detroit, Mich. Deep drilling machine. 2,625,060, Jan. 13.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Drilling machine. 2,633,762, Apr. 7.

Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Berth structure. 2,650,370, Sept. 1.

Cudy, Ralph R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Axle housing. 2,625,055, Jan. 13.

Cudy, Ralph R., Wayne County, Mich. Cleaning and dust collecting machine for dry mops. 2,625,704, Jan. 20.

Cueny, Benjamin E.: *See*—
Murdoch, Louis R., and Cueny.

Cuervo, Joseph, Woodside, N. Y. Toy airplane and track. 2,646,645, July 28.

Culbertson, Arley B., Galena, Kans., and C. L. Culbertson, Lamar, Mo. Convertible furniture. 2,645,273, July 14.

Culbertson, Cecil L.: *See*—
Culbertson, Arley B. and C. L.

Culbertson, Jackson L., assignee: *See*—
Perrault, Ainslie.

Culhane, Patrick J., Jr., Cleveland Heights, Ohio. Making shell forgings. 2,642,647, June 23.

Culhane, Paul J., Wilmington, Del., and G. M. Rothrock, Kenmore, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl chloride, acrylonitrile and a vinyl pyridine. 2,636,023, Apr. 21.

Cullen, Edward V., assignor to The Cullen-Friestedt Company, Chicago, Ill. Highway crane. 2,631,737, Mar. 17.

Cullen-Friestedt Company, The, assignee: *See*—
Cullen, Edward V.

Culleton, John T., Hayward, assignor to Pacific Pumping Company, Oakland, Calif. Apparatus for drying excavations. 2,654,434, Oct. 6.

Culnane, Charles H.: *See*—
Dilworth, John P., and Culnane.

Culp, Lyle M., Colman, S. Dak. Combination metering and view finding camera with swivel handle grip. 2,660,103, Nov. 24.

Culver, Harry D., Bellevue, Ky., assignor of one-third to J. C. McCarthy and one-third to G. A. Schwenzer, Cincinnati, Ohio. Clamping device. 2,637,268, May 5.

Culverhouse, Carl R., Jr., Birmingham, Ala., assignor to Anderson Brass Works. Bonding copper to aluminum or aluminum alloys. 2,662,831, Dec. 15.

Cumfer, Dionne, assignee: *See*—
Cumfer, Harry A.

Cumfer, Donald A., Jr., assignee: *See*—
Cumfer, Harry A.

Cumfer, Harry, assignee: *See*—
Cumfer, Harry A.

Cumfer, Harry A., deceased, South Bend, Ind.; G. Domke, executrix of said H. A. Cumfer, assignor of one-third to L. C. Hayes, Chicago, Ill., one-third to E. C. Thompson, Whittier, Calif., one-twelfth to D. A. Cumfer, Jr., Nashville, Tenn., one-twelfth to M. L. Cumfer, South Bend, Ind., one-twelfth to D. Cumfer and one-twelfth to H. Cumfer, Houston, Tex. Portable cutting device. 2,652,892, Sept. 22.

Cumfer, Margaret L., assignee: *See*—
Cumfer, Harry A.

Cummerow, Robert L.: *See*—
Westervelt, Robert A., and Cummerow.

Cumming, Alfred S., assignor to Bailey-Perkins, Inc., Detroit, Mich. Capillary tube assembly for refrigerators. 2,645,099, July 14.

Cumming, George T., St. Edward, Nebr., assignor to L. D. and H. B. Tillery, Kansas City, Mo. Apparatus for producing protective binding from flat stock. 2,629,297, Feb. 24.

Cumming, George T., assignor to William Company of Missouri, Inc., Kansas City, Venetian blind slats. 2,649,393, Aug. 18.

Cumming, George T., assignor to William Company of Missouri, Inc., Kansas City, M for producing Venetian blind slats. 2,650,

Cummings, Charles S., II: *See*—
Catlin, Robert T., Cummings, Eckstein, a

Cummings, Clinton L., Natick, Mass. Rota speed device. 2,642,756, June 23.

Cummings, Inc., assignee: *See*—
Cummings, Leslie L.

Cummings, James J., Hanley Hills, St. Loui Shimkus, St. Louis, Mo. Permanent rosary Sept. 29.

Cummings, Kimball C., assignor to Minnea well Regulator Company, Minneapolis, duration computer. 2,656,977, Oct. 27.

Cummings, Leslie L., assignor to Cummings, ton, Tex. Gas lift valve. 2,642,889, June

Cummings, Leslie L., assignor to Cummings, ton, Tex. Gas lift valve. 2,651,319, Sept. 8

Cummings, Linn F.: *See*—
Thorpe, Robert J., and Cummings.

Cummins Engine Company, Inc., assignee: *See*
Knudsen, Hans L.
Reiners, Neville M.

Cummins, James P., Scarsdale, assignor to Ce poration, New York, N. Y. Lining with cer underground conduits having branch lines. Jan. 6.

Cumpston, Edward H., Jr., Lunenburg, assign Machine Company, Fitchburg, Mass. Rota ball mill. 2,633,303, Mar. 31.

Cunder, Joseph, East Orange, and F. J. L Caldwell, assignors to Nopco Chemical Co rison, N. J. Water-dispersible metal soap c 2,660,567, Nov. 24.

Cunder, Joseph, East Orange, and F. J. L Caldwell, assignors to Nopco Chemical Co rison, N. J. Water-dispersible metal soap c 2,660,568, Nov. 24.

Cundiff, Olaf C., Detroit, Mich. Electric bu system. 2,663,864, Dec. 22.

Cundiff, Winston H.: *See*—
Montgomery, John E., and Cundiff.

Cuneo, John J., Golden Meadow, La. Aut bailer. 2,655,121, Oct. 13.

Cunningham, Adam: *See*—
Cowan, Ben, and Cunningham.

Cunningham, Donald F., Whitefish Bay, American Partition Corporation, Milwa Machine for making partitions. 2,636,423.

Cunningham, Frederic, Jr., Belmar, N. J., ass United States of America as represented b tary of War. Radar system for indicating gets. 2,632,159, Mar. 17.

Cunningham, Frederic, Jr., Belmar, N. J., ass United States of America as represented b tary of War. Moving target radar system. Nov. 10.

Cunningham, Frederick W., Stamford, Conn., Arma Corporation, Brooklyn, N. Y. Radio apparatus. 2,637,848, May 5.

Cunningham, Frederick W., Stamford, Conn., Arma Corporation, Brooklyn, N. Y. Automa ting motor control apparatus. 2,659,849, N

Cunningham, Gale C., Inglewood, and H. A. K hattan Beach, Calif., assignors to North Aviation, Inc., Packaging arrangement. Sept. 29.

Cunningham, George A.: *See*—
Sherwood, Robert C., Cunningham, Wal
Urban.

Cunningham, George L., Brooklyn, assignor assignments, to Chempatents, Inc., New Sulfite waste treatment process. 2,644,748

Cunningham, George L., Cincinnati, Ohio, Scientific Design Company, Inc., New York, aration of lithium chloride from spodumene. Feb. 3.

Cunningham, George T.: *See*—
Wexler, Aaron, and Cunningham.

Cunningham, Harry C., assignor to Edwin Company, Pittsburgh, Pa. Electric heating. Jan. 6.

Cunningham, Harry C., assignor to Edwin Company, Pittsburgh, Pa. Electric heating. Oct. 6.

Cunningham, Jack B., North Hollywood, and Burbank, Calif.; said Wilburn assignor to sa ham. Method and apparatus for drying fil tric heating. 2,662,302, Dec. 15.

Cunningham, James M., Endicott, assignor to I Business Machines Corporation, New York, board contactor. 2,624,774, Jan. 6.

Cunningham, James M., and A. F. Smith, Endic ors to International Business Machines C New York, N. Y. Alphabetic keyboard 2,654,812, Oct. 6.

Cunningham, Marcus M., assignor of one-thi Main, and one-third to A. S. Moody, Ho Lighted cooling basin for air condition 2,664,311, Dec. 29.

Cunningham, Mary E., Red Bank, and L. K. Beach, Westfield, N. J., assignors to Standard Oil Development Company. Vapor phase of beta-methylmercaptopropionaldehyde. 2,626,282, Jan. 20.

Cunningham, Orin D., and O. L. Polly, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Esters of alpha-hydroxy acids and their estolides. 2,652,410, Sept. 15.

Cunningham, Raymond W.: *See*—
Harned, Ben K., and Cunningham.

Cunningham, Richard, Jr.: *See*—
Lemos, Albert, Jr., and Cunningham.

Cunningham, Royal H., Bay City, Mich. Necktie device. 2,631,292, Mar. 17.

Cunningham, William A.: *See*—
Pucher, Leo E., and Cunningham.

Cunningham, William W., Atlanta, Ga. Portable rotary fountain brush. 2,643,406, June 30.

Cunningham, Zed, Cleveland, Ohio. Handle. 2,632,666, Mar. 24.

Cuno Engineering Corporation, The, assignee: *See*—
Kroll, Alfred J., and Schnick.

Cuntz, Hermann F., Kew Gardens, N. Y. Razor blade holder and sheath. 2,628,423, Feb. 17.

Cuny, Robert, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Fluid-sealing gland. 2,650,116, Aug. 25.

Cuplin, Frank M., Crowley, La. Mailbox including spring urged door. 2,646,214, July 21.

Cupp, Charles D., assignor to Scott Aviation Corporation, Lancaster, N. Y. Breathing apparatus. 2,655,150, Oct. 13.

Cuppett, Charles H., Packanack, N. J., and J. Taylor, Bronxville, assignors to Hydraulic Molds Corporation, New York, N. Y. Injection molding apparatus. 2,658,237, Nov. 10.

Curd, Francis H. S., deceased, (M. R. Curd, executrix, Bramhall), and E. H. P. Young, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Di-quaternary salts of 4-amino-6-(2'-amino pyrimidyl-4'-amino) quinazoline and preparing same. 2,643,253, June 23.

Curd, Muriel R., executrix: *See*—
Curd, Francis H. S., and Young.

Curgan, Mark N.: *See*—
Klein, David X., and Curgan.

Curioni, Aldo R., assignor to Sarioni Company, Inc., New York, N. Y. Transferring and dispensing apparatus and method. 2,629,501, Feb. 24.

Curl, Marion E.: *See*—
Doherty, Thomas J., and Curl.

Curlator Corporation, assignee: *See*—
Coghill, James T., and Hill.

Curlee, Harvey P., Raleigh, N. C., assignor to Curlee Machinery Company, Inc. Sandwich machine for applying coatings to bakery goods. 2,638,868, May 19.

Curlee Machinery Company, Inc., assignee: *See*—
Curlee, Harvey P.

Curley, Morton B., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Fan diffuser having an airfoil lattice deflector. 2,626,101, Jan. 20.

Curley, Robert S., Biddeford, and E. R. Richardson, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Trash ejector. 2,644,987, July 14.

Curley, Todd M., Mahanoy City, Pa. Tire and wheel handling and stripping machine. 2,640,604, June 2.

Curley, Todd M., Mahanoy City, Pa. Training device for crippled children. 2,663,376, Dec. 22.

Curran, John, Limited, assignee: *See*—
Whitehead, Cyril D.

Curran, John R., Greenwood, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Control mechanism for relief valves. 2,643,676, June 30.

Curran, Russell E., Chicago, Ill. Lock nut. 2,648,367, Aug. 11.

Currey, Ellis D., Phoenix, Ariz. Hot stick. 2,633,160, Mar. 31.

Currie, Chester C., assignor to The Dow Chemical Company, Midland, Mich. Antifoaming composition. 2,632,736, Mar. 24.

Currie, Chester C., assignor to Dow Corning Corporation, Midland, Mich. Siloxane boundry lubricants. 2,642,395, June 16.

Currie, Frank L.: *See*—
Blanton, William B., Currie, and Janson.

Currie, Grover C., assignor to Dacam Corporation, Charlotte, N. C. Bottle carrier. 2,653,742, Sept. 29.

Currie, Grover C., assignor to Dacam Corporation, Charlotte, N. C. Carrier. 2,656,959, Oct. 27.

Currie, Hugh A., assignor to Currie Manufacturing Company, Inc., Chicago, Ill. Starch tray feeding machine. 2,635,768, Apr. 21.

Currie Manufacturing Company, Inc., assignee: *See*—
Currie, Hugh A.

Currier, Leslie A., and F. B. Engel, Claremont, N. H., assignors to Joy Manufacturing Company. Fluid conducting means for the shovel centering means of shovel loaders. 2,625,280, Jan. 13.

Currier, Milton G.: *See*—
Carter, Robert W., Currier, Emig, and Glentzer.

Currivan, John F., Dayton, Ohio, assignor, by mesne assignments, to Emhart Manufacturing Company. Carton closing and printing device for cartoning machines. 2,634,565, Apr. 14.

Currivan, John F., Dayton, Ohio, assignor, by mesne assignments, to Emhart Manufacturing Company. Tilting bucket bottle loader. 2,642,212, June 16.

Currivan, John F., Hudson, N. Y., assignor, by mesne assignments, to Emhart Manufacturing Company. Carton loading device. 2,644,625, July 7.

Currivan, John F., New York, N. Y. Integral carton for protection of fragile articles. Re. 23,670, June 23.

Currivan, John F., Stuyvesant, N. Y., assignor to Emhart Manufacturing Company, Hartford, Conn. Cartoning machine. 2,630,903, Mar. 10.

Currivan, John J., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Apparatus for staking leads to commutators. 2,659,959, Nov. 24.

Curry, Harry W.: *See*—
Cleland, James E., Curry, and Meyer.

Curry, Oliver B., Wichita, Kans. Popcorn service. 2,650,736, Sept. 1.

Curry, Robert O. L., Mountain View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fitting hearing aids. 2,625,233, Jan. 13.

Curry, Robert S., Jr., Baldwin, and P. Halpert, Hempstead, N. Y., assignors to The Sperry Corporation. Servomotor and control system therefor. 2,661,452, Dec. 1.

Curry, Van C.: *See*—
Keyser, James H., and Curry.

Curry, William H., Winnipeg, Manitoba, Canada. Stone collector. 2,651,902, Sept. 15.

Curtin, Leo P., Cranbury, N. J. Manufacture of DDT. 2,654,790, Oct. 6.

Curtis, Arvel C., Odessa, Tex., assignor to Pipelife, Inc. End closure for pup joints used in coating the interior of pipe lines. 2,663,326, Dec. 22.

Curtis Automotive Devices, Inc., assignee: *See*—
Curtis, Russell R.
Curtis, Russell R., and Kimm.
Gates, Richard L.

Curtis, Chalmer C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer belt and making same. 2,655,195, Oct. 13.

Curtis, Cecil C., Washington, D. C. Massage and heat applicator. 2,638,527, May 12.

Curtis, Clarence R., Lombard, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Fused, polarized, blade-type electrical coupling. 2,644,056, June 30.

Curtis, Clarence R., Lombard, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Fused, polarized, male to female blade-type adapter. 2,644,057, June 30.

Curtis, Clarence R., Lombard, Ill. Filling machine. 2,630,997, Mar. 10.

Curtis Company, assignee: *See*—
Stedman, James A.

Curtis, Daniel L., Venice, Calif., assignor to Hughes Tool Company, Houston, Tex. Electrical gating circuits. 2,659,815, Nov. 17.

Curtis, Earl W., Temple, Pa. Can opener. 2,651,838, Sept. 15.

Curtis, Franklin E., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Retaining means for printing plates. 2,633,079, Mar. 31.

Curtis, Franklin E., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,656,103, Oct. 20.

Curtis, Geoffrey, Coventry, assignor to Courtaulds Limited, London, England. Apparatus for dry spinning artificial fibers. 2,648,095, Aug. 11.

Curtis, George W., Wauwatosa, Wis. Tractor. 2,634,663, Apr. 14.

Curtis, George W., Wauwatosa, Wis. Variable-speed V-belt transmission. 2,648,987, Aug. 18.

Curtis, Gordon E., Oshkosh, and W. A. Oberbeck, Fond du Lac, Wis. Snowplow. 2,642,680, June 23.

Curtis, Hazel S., assignor of thirty-three one-hundredths part to E. G. Johnson, Oakland, Calif. Hose mitten. 2,643,388, June 30.

Curtis, Helene, Industries, Inc., assignee: *See*—
Grant, Samuel.

Curtis Industries, Inc., assignee: *See*—
Abrams, Howard.

Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Mobile drilling apparatus. 2,646,968, July 28.

Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Pittsburgh, Pa. Rock drill bit. 2,653,010, Sept. 22.

Curtis, John C., Newport, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rock drilling apparatus. 2,657,017, Oct. 27.

Curtis, John C., and H. F. Minnis, Claremont, N. H., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Mobile drilling apparatus. 2,644,669, July 7.

Curtis, John R., Nashotah, Wis. Manufacturing bowling pin billets. 2,652,081, Sept. 15.

Curtis Lighting, Inc., assignee: *See*—
Hurley, Raymond F.
Kochale, Ernest P., Jr., and Welbel.
Welbel, William A.
Wilt, Melvin C.

Curtis Lighting of Canada Limited, assignee: *See*—
Wright, Howard L.

Curtis, Lorin W., Verona, N. J., assignor to Tung-Sol Electric, Inc. Incandescent filament support and method. 2,632,126, Mar. 17.

Curtis Manufacturing Company, assignee: *See*—
Hecker, Harvard K.

Curtis, Myron S., and H. Schoepe, assignors to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,644,222, July 7.

Curtis, Paul A., Lakeland, Fla. Floating thickener. 2,627,678, Feb. 10.

Curtis, Philip C., Scottsdale, Ariz. Knockdown chair. 2,632,498, Mar. 24.

Curtis, Philip C., Scottsdale, Ariz. Knockdown shelving. 2,656,045, Oct. 20.

Curtis, Robert W., Alliance, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid heating system. 2,626,795, Jan. 27.

Curtis, Roger A., Jr., Arlington, Mass. Blind construction. 2,633,191, Mar. 31.

Curtis, Russell H., assignor to Hawley Products Company, St. Charles, Ill. Filter. 2,663,430, Dec. 22.

Curtis, Russell R., assignor to Curtis Automotive Devices, Inc., Bedford, Ind. Remote control metering valve. 2,648,518, Aug. 11.

Curtis, Russell R., Bedford, Ind., and E. J. Kimm, Dayton, Ohio, assignors to Curtis Automotive Devices, Inc., Bedford, Ind. Variable-speed remote control for valves. 2,648,351, Aug. 11.

Curtis, Thomas E.: *See*—
Matthews, William D., and Curtis.

Curtis, Thomas H., Redbank, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Processing machine having a treatment tank and an elevator mechanism. 2,626,621, Jan. 27.

Curtis, William H., North Hollywood, Calif., L. L. Aspelin, Cleveland Heights, Ohio, and J. C. Carter, Pasadena, Calif., said Curtis and said Aspelin assignors to Thompson Products, Inc., Cleveland, Ohio, said Carter assignor to The J. C. Carter Company, Pasadena, Calif. Multistage centrifugal pump. 2,660,121, Nov. 24.

Curtiss Candy Company, The, assignee: *See*—
Spohr, Carl W.

Curtiss, Frank R., New Haven, Conn. Collapsible drinking cup. 2,645,913, July 21.

Curtiss, Frank R., New Haven, Conn. Stapling device. 2,660,725, Dec. 1.

Curtiss, Garry B.: *See*—
Caldwell, Sylvester S., Chertoff, and Curtiss.

Curtiss, Leon F.: *See*—
Krasnow, Shelley, and Curtiss.

Curtiss, Lyda D.: *See*—
Rhome, Jesse P., and Curtiss.

Curtiss, Nathaniel H., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Tube extrusion. 2,644,983, July 14.

Curtiss-Wright Corporation, assignee: *See*—
Ackerman, Edward, De Feo, and Francisco.
Ambrose, John J., and Modrovsky.
Avondoglio, Leo.
Barrett, Hillard E., Hall, and Schaffer.
Cervino, Michael, and Sollinger.
Chillson, Charles W.
Chilton, Roland.
Crook, Wilton.
Cushman, Maurice E.
Cushman, Maurice E., and Kiefer.
Cutler, Roswell E.
Davis, Charles S., Jr., and Rice.
Enos, Louis H.
Frank, Wilbert W.
Froling, Robert O.
Galliers, Marshall W.
Holben, Martin M., and Jewett.
Jewett, Charles S.
Keller, George H.
Kerr, John A.
Knapp, George P., Burns, Robbins, and Zwack.
Kochenburger, Ralph, Chillson, and Knapp.
Le Compte, Frank M.
Le Compte, Frank M., and Bucher.
Leggett, Joseph H., and Morris.
Leggett, Joseph H., and Moyer.
Lundquist, Wilton G.
Lundquist, Wilton G., Stark, and Schaffer.
Lyons, Albert E.
Mendelson, Irving.
Mergen, Joseph M.
Mergen, Joseph M., and Murphy.
Moore, Vincent.
Norwood, Earl B.
Osborne, Wilbur W.
Sasse, Richard C.
Sheets, Jack H.
Smith, William F.
Sollinger, Ferdinand P.

Curtiss-Wright Corporation, assignee: *See*—
Stevens, Robert M.
Tichenor, Edwin L., and Cremins.
Welsh, Harvey W.
Westcott, William B., Jr.
Wishart, Herbert W.
Young, Andrew P., and Brigham.

Cusack, Patrick: *See*—
Bevis, William A., and Cusack.

Cusano, Dominic A., and F. J. Studer, Schenec
assignors to General Electric Company.
luminescent screen and preparing same.
Nov. 17.

Cushing, Ivan E., and G. M. Slaughter, assign
Brick Company, Fort Worth, Tex. Hea
2,642,019, June 16.

Cushman, Cecil A., Redlands, Calif. Pneun
pad. 2,663,020, Dec. 22.

Cushman, Cecil A., Redlands, and W. Harris
Bernardino, Calif. Multiple pneumatic pro
2,657,385, Nov. 3.

Cushman Chuck Company, The, assignee: *See*—
Sloan, Harry E.

Cushman, Clifford E., Burbank, assignor to St
Glendale, Calif. Coupling for control cables.
Feb. 17.

Cushman, John A., Jr.: *See*—
White, Ben E., Cushman, and Dukert.

Cushman, Maurice E., Verona, N. J., assignor
Wright Corporation. Hydraulic propeller
ing system. 2,640,555, June 2.

Cushman, Maurice E., Verona, N. J., assignor
Wright Corporation. Variable pitch
2,657,755, Nov. 3.

Cushman, Maurice E., Verona, and P. J.
Clifton, N. J., assignors to Curtiss-Wrig
tion. Articulated blade propeller. 2,648,38

Cushman, Robert W.: *See*—
Howe, Wilfred H., and Cushman.

Cushman, Walton W., Webb City, Mo. Thro
and method. 2,627,851, Feb. 10.

Cushman, Walton W., Webb City, Mo. Exha
with fluid mingling. 2,629,455, Feb. 24.

Cushman, Walton W., Webb City, Mo. Inter
tion engine. 2,637,307, May 5.

Cushman, Walton W., Webb City, Mo. Mer
rupter. 2,637,792, May 5.

Cushman, Walton W., Webb City, Mo. Pallet.
May 19.

Cushman, Walton W., Webb City, Mo. Pane
means. 2,644,553, July 7.

Cusic, John W., assignor to G. D. Searle &
Ill. Aminoalkyl thioxanthene oxides and
tion thereof. 2,629,719, Feb. 24.

Cusic, John W., Skokie, assignor to G. D. Searl
cago, Ill. Basically substituted 1-(10-acrid
nones. 2,625,548, Jan. 13.

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. Basically substituted 10-phe
carboxamides. 2,627,517, Feb. 3.

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. Aryloxyacetates of basically
arylalkanols and derivatives thereof. 2,62
17.

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. Basically substituted alkyl
γ-aroylarylbutyric acids and their salts.
June 9.

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. Xanthene-9-carboxylic acid
nuclearly alkylated 4-piperidinols and sal
2,650,230, Aug. 25.

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. Basic esters of phenothia
boxylic acid and salts thereof. 2,650,919,

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. N-alkyl-9-xanthene-carboxam
cally substituted derivatives and salt
2,661,351, Dec. 1.

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. N,N-disubstituted 9-xanthen
ides. 2,661,353, Dec. 1.

Cusic, John W., Skokie, assignor to G. D. Se
Chicago, Ill. Cycloalkyl esters of basically
isocyclylcarbamic acids and their salts.
Dec. 8.

Cusic, John W., Skokie, and R. A. Robinson, Mo
assignors to G. D. Searle & Co., Chicago, Il
nary ammonium salts of heterocyclylalkano
xanthene-9-carboxylic acid. 2,659,725, Nov.

Cusic, John W., Skokie, and R. A. Robinson, Mo
assignors to G. D. Searle & Co., Chicago, Il
nary ammonium salts of dialkyl aminoalkyl
carboxylates and the production thereof.
Nov. 17.

Cuskie, Herman C., Birmingham, assignor t
Corporation, Highland Park, Mich. Automot
stabilizing means. 2,626,797, Jan. 27.

Cussons, Richard C., assignor to Dowty
Limited, Cheltenham, England. Aircraft
and steerable nose-wheel and tail-wheel
2,652,214, Sept. 15.

Custom Scientific Instruments, Inc., assignee:
Allen, Robert R.

Cutcher, Haskell W., and C. A. Ray, Berger, Tex., assignors to Phillips Petroleum Company. Dehydration of alcohols to olefins. 2,636,057, Apr. 21.

Cutforth, Howard G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well cementing materials and their application. 2,646,846, July 28.

Cuthbert, William J., assignor of one-half to British Brehmer Limited, Enfield, England. Improvements in wire-stapling machine., 2,648,064, Aug. 11.

Cuthberfson, George R., and H. M. Buckwalter, Detroit, and A. C. Danielson, Royal Oak, Mich., assignors to United States Rubber Company, New York, N. Y. Pneumatic tire and making same. 2,657,730, Nov. 3.

Cutler, Alvin B.: *See*—
Kvasnok, John D, and E. M., and Cutler.

Cutler, Bertram S., Possum Hill, assignor of one-fourth to R. L. Hubbard, Florham Park, N. J. Safety razor. 2,637,101, May 5.

Cutler, Cassius C.: *See*—
Carbrey, Robert L., Cutler, and Feldman.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Expander for microwave signals. 2,652,541, Sept. 15.

Cutler, Cassius C., Gillette, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translation of electromagnetic waves. 2,659,817, Nov. 17.

Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stereoscopic object location system using radar technique. 2,637,025, Apr. 28.

Cutler, Edmond C., Walpole, N. H. Sleeping equipment for use in combination with motor vehicles of the pleasure type. 2,640,204, June 2.

Cutler-Hammer, Inc., assignee: *See*—
Boedeker, Walter U.
Calvert, Arthur T.
Charbonneau, Allan P.
Charbonneau, Allan P., and Seeger.
Cox, Irvin W.
Douglas, John F. II., and Evans.
Eck, Robert N.
Elliot, William H.
Feldhausen, Cyril P.
Feldhausen, Cyril P., Lommen, and Rouse.
Field, John A.
Fischer, Paul M.
Hansen, Kenneth H.
Hodgson, Howard E.
Jochem, Theodore R.
Jochem, Theodore R., and Mekelburg.
Jones, Jesse E.
Kennedy, John T., and Lassen.
Koenig, Martin F.
Koenig, Martin F., and Millermaster.
Krieger, Alvin W.
McNicol, Forrest C.
Meuer, George J.
Pell, Eric.
Richardson, Linwood T., and Swinehart.
Robbins, Clyde F.
Schmidt, Edwin N.
Welch, Jerome B.

Cutler, Homer L., Newport Township, Marshall County, S. Dak. Window changer. 2,652,937, Sept. 22.

Cutler, Norman L., Wilmington, Del. Eye implant and prosthesis. 2,649,590, Aug. 25.

Cutler, Roger W., New York, N. Y. Change-over drive for spinning and twisting frames. 2,655,782, Oct. 20.

Cutler, Roswell E., Paterson, N. J., assignor to Curtiss-Wright Corporation. Air flow measuring apparatus. 2,628,086, Feb. 10.

Cutler, Wallace M., Gloucester, H. B. Greenough, deceased (by M. R. Greenough, administratrix), Beverly, and E. S. Kant, Melrose, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Nail distributor. 2,636,169, Apr. 28.

Cutrone, Joseph J., and M. P. Ferrante, Brooklyn, N. Y. Umbrella fabric clasp. 2,624,357, Jan. 6.

Cuttell, John R., Banstead, and T. R. Ashton, Eltham, London, assignors to Astell Laboratory Service Company Limited, London, England. Bung or stopper. 2,655,280, Oct. 13.

Cutter Corporation, assignee: *See*—
Mansfield, Warren M.
Shaeffer, Norbert.

Cutter, Fred A., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Blood strainer and drip meter. 2,644,586, July 7.

Cutter Laboratories, assignee: *See*—
Beacham, Robert C.
Bishop, Clifford B.
Cutter, Fred A.
Cutter, Robert K.
Hink, John H., Jr.

Cutter, Robert K., assignor to Cutter Laboratories, Berkeley, Calif. Drip meter. 2,648,333, Aug. 11.

Cutting, Alan B.: *See*—
Beck, Arnold H. W., Cutting, and Brisbane.

Cutting Room Appliances Corporation, assignee: *See*—
Gilbert, Herman W., and Deichmann.

Cuttino, William H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Housed capacitor assembly with interlocked grounding switch. 2,660,694, Nov. 24.

Cuttino, William H., Wilkinsburg, and L. G. Tubbs, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic switching system. 2,640,182, May 26.

Cuvillier, Dennis, Lake Arthur, La. Jump bite trap. 2,632,974, Mar. 31.

Cuvilliez, Henri, New York, N. Y. Television antenna system. 2,654,030, Sept. 29.

Cuyahoga Industries, assignee: *See*—
Perkon, John A.

Cwynar, John W., and G. E. Gelfand, Scranton, Pa. Convertible wheel and ski scooter and sled. 2,633,365, Mar. 31.

Cyc-Arc Limited, assignee: *See*—
Ainsworth, Arthur R., and Miller.
Sayer Charles A.

Cycloptic Anstalt für Optik und Mechanik, assignee: *See*—
Tiller, Hans.

Cyphers, Elmer B., Cranford, N. J., assignor to Standard Oil Development Company. Extreme pressure lubricant. Re. 23,671, June 23.

Cyphers, Elmer B., Cranford, and A. E. Michaels, Linden, N. J., assignors to Standard Oil Development Company. Sulfurized monocycle terpenes and oil compositions containing them. 2,654,712, Oct. 6.

Cyphers, Elmer B., Cranford, and W. E. Waddey, Elizabeth, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricant. 2,628,940, Feb. 17.

Cyr, Rob R., Berkeley, Calif., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Automatic tank pump down. 2,652,188, Sept. 15.

Cyser, Bernard, Tel Aviv, Israel. Toothbrush with oscillating head. 2,625,697, Jan. 20.

Czarnecki, Casimer M.: *See*—
Czarnecki, Walter V., Jr., and C. M.

Czarnecki, Stefan, assignee: *See*—
Brzozowski, Witold.

Czarnecki, Walter V., Jr., Baederwood, and C. M. Czarnecki, Philadelphia, assignors to Eddington Metal Specialty Company, Eddington, Pa. Oil burner filter. 2,631,892, Mar. 17.

Czarnecki, Walter V., Jr., Baederwood, and C. M. Czarnecki Philadelphia, assignors to Eddington Metal Specialty Company, Eddington, Pa. Oil burner filter. 2,664,312, Dec. 29.

Czerniawski, Emil J., Bracknell, England. Filing device. 2,659,512, Nov. 17.

Czerwiczniik, Stanley J., Milwaukee, Wis. Rosary assemblage. 2,651,850, Sept. 15.

Daanen, Sylvester J., and T. H. Lutsey, Green Bay, Wis. Forming head and forming ice-cream parts. 2,657,649, Nov. 3.

Dabo Ltd., assignee: *See*—
Neidhart, Martin, and Koller.

Daboll, Don, Durango, Colo. Single lever saw swage. 2,644,347, July 7.

Dabrowski, Roman, executor, assignee: *See*—
Kostro, Wladyslaw.

Dacam Corporation, assignee: *See*—
Currie, Grover C.

Dacola Maskinfabrik A/S, assignee: *See*—
Tveden, Niels B.

Dadd, Morris V., and P. L. Vermaire, Grand Rapids, assignors to General Motors Corporation, Detroit, Mich. Exhaust valve rotator. 2,664,076, Dec. 29.

Dadley, Harry R., Toughkenamon, assignor of one-half to J. V. Fidance, Kennett Square, Pa. Freezing mushrooms. 2,653,930, Sept. 29.

Dadlow, Ida B., assignee: *See*—
Dadlow, Leo W.

Dadlow, Leo W., assignor of fifty per cent to I. B. Dadlow, La Porte, Ind. Nonroosting lid for nests. 2,640,461, June 2.

Dadswell, William R., Staten Island, N. Y. Bumper-operated garage door. 2,629,435, Feb. 24.

Da Fano, Ettore: *See*—
Hitch, Robert A., and Da Fano.

Da Fano, Ettore, Pasadena, Calif., assignor to John B. Pierce Foundation, New York, N. Y. Heat transfer liquid of disproportionation mixture of alkyl orthosilicates. 2,640,032, May 26.

Da Fano, Ettore, Raritan, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Hydrolysis resistant heat transfer composition. 2,640,031, May 26.

Da Fano, Ettore, Raritan, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Automotive coolant. 2,647,874, Aug. 4.

Da Fano, Ettore, Somerville, N. J., assignor, by mesne assignments, to John B. Pierce Foundation, New York, N. Y. Transmitting heat. 2,641,581, June 9.

Dafter, Edwin H., Jr., Washington, D. C., assignor to American Cyanamid Company, New York, N. Y. Surfacing wood and similar materials with copolymerizable mixtures. 2,631,960, Mar. 17.

Daglish, Anthony F., Reigate, and D. Faulkner, Epsom, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Stabilized vinylidene chloride compositions. 2,659,709, Nov. 17.

Dague, Harold F., Downey, assignor of one-third to W. B. Collins, Inglewood, and L. M. Caldwell, Long Beach, Calif. Manufacturing battery separators and the like. 2,662,929, Dec. 15.

Dahl, Allan B.: *See*—
Olsson, Robert E. O., and Dahl.

Dahl, Edward T., Warwick Neck, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Reversible application of power to motor-operated valve. 2,643,667, June 30.

Dahl, Ernest A., Skokie, Ill. File separator. 2,657,692, Nov. 3.

Dahl, Norman C., Boston, assignor to Dexdahl, Inc., Cohasset, Mass. Sole straightening device for shoes. 2,625,696, Jan. 20.

Dahl, Robert E., Hinsdale, assignor of one-half to Advance Transformer Co., Chicago, Ill. Welding head. 2,628,301, Feb. 10.

Dahl, Robert E., Hinsdale, assignor of one-half to Advance Transformer Co., Chicago, Ill. Welding apparatus. 2,641,673, June 9.

Dahl, Robert E., Hinsdale, assignor of one-half to Advance Transformer Co., Chicago, Ill. Inert gas-shielded arc welding apparatus. 2,645,703, July 14.

Dahlberg, Arnold R., R. T. Larson, and R. M. Chapman, assignors to The Tonex Company, Minneapolis, Minn. Coin ejector for coin-operated timing mechanism. 2,647,608, Aug. 4.

Dahlberg, Bengt R., Bredbyn, assignor to J. R. Andersson & Co. A B, Sundbyberg, Sweden. Invalid lift and transfer device. 2,663,030, Dec. 22.

Dahlberg, Ernst E.: *See*—
Bergvall, Knut L., and Dahlberg.
Bergvall, Knut L., Dahlberg, and Palmgren.

Dahlbom, Carl A., Brooklyn, and A. Weaver, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech transmission system. 2,629,017, Feb. 17.

Dahlgren, Carl A., assignor to S. Bengtsson, Malmo, Sweden. Adjustable bookholder for hospital beds. 2,638,701, May 19.

Dahlman, Eben D., Grandy, Minn. Vine-handling machine. 2,648,185, Aug. 11.

Dahlquist, Harold E.: *See*—
Covert, Benjamin L., and Dahlquist.

Dahlstedt, Per Ake, Grondal, assignor to Aktiebolaget Separator, Stockholm, Sweden. Regulation of the fat content of milk products. 2,628,023, Feb. 10.

Dahlstrom, Frank P., Woodbridge, Conn. Method of and means for rolling strip material. 2,651,954, Sept. 15.

Dahlstrom, Harry E., and J. L. Olson, Minneapolis, Minn. Automatic work stop for punch press dies. 2,633,915, Apr. 7.

Dahlstrom, Ray A.: *See*—
Clark, Hubert M., and Dahlstrom.

Dahm, Carl S., Keyport, N. J. Adhesive tie seal. 2,639,479, May 26.

Dahmen, Edouard A. M. F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Higher alkyl ester production. 2,640,070, May 26.

Daiger, George P., Canton, assignor to The Hoover Company, North Canton, Ohio. Toasting apparatus. 2,624,824, Jan. 6.

Daigle, Bert J., Sulphur, assignor of one sixty-fourth to E. W. Thompson, Calcasieu Parish, La. Dental isolation tray for use with air abrasive techniques. 2,637,107, May 5.

Daigle, Bert J., Sulphur, assignor of one sixty-fourth to E. W. Thompson, Calcasieu Parish, La. Suction hood holder. 2,654,950, Oct. 13.

Daigle, Earl C., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Color stabilization of fuel oils. 2,650,187, Aug. 25.

Daigle, Leo T., assignor to Cable-Link Corporation, Detroit, Mich. Trolley conveyer. 2,646,872, July 28.

Daigle, Leo T., assignor to Cable-Link Corporation, Detroit, Mich. Trolley conveyer. 2,660,291, Nov. 24.

Dailey, Alex, Durham, N. C. Conduit pulling winch. 2,661,187, Dec. 1.

Dailey, Catherine B., Bremerton, and H. Harrison, Gorst, Wash. File holder. 2,645,002, July 14.

Dailey, Fred N.: *See*—
Campbell, William P., and Dailey.

Dailey, Hampton J., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric discharge device. 2,626,369, Jan. 20.

Dailey, Hampton J., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overwound filament. 2,629,065, Feb. 17.

Dailey, Hampton J., Verona, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Filament support structure for electron discharge devices. 2,632,129, Mar. 17.

Dailey, Manvel C.: *See*—
Huntzicker, Harry N., Dailey, and Minnis.

Dailey, Philip T., Akron, Ohio. Bearing-cleaning and method. 2,652,350, Sept. 15.

Dailey, William H., Jr.: *See*—
Cone, Carroll, and Dailey.

Daily, Arthur M.: *See*—
Budd, Wilbert H., and Daily.
Bush, Wilkie L., and Daily.
Veatch, Joseph G., Jr., and Daily.

Daily, Arthur M., and M. B. Arisman, assignors to Telephone Supply Corporation, Elkart, Ind. resistance control device. 2,659,793, Nov. 17.

Daily, Arthur M., and M. B. Arisman, assignors to Telephone Supply Corporation, Elkhart, Ind. switch. 2,660,651, Nov. 24.

Daily, Arthur M., and J. G. Veatch, Jr., assig Chicago Telephone Supply Corporation, Elkha Variable resistor and actuator therefor. 2, Dec. 1.

Daily Mirror Newspapers Limited, assignee: *See* Gibson, William.

Daimler-Benz Aktiengesellschaft, assignee: *See*— Bensinger, Wolf-Dieter.
Links, Heinrich K.
Müller, Josef.
Nallinger, Friedrich K. H.
Stump, Eugen.
Wilfert, Karl.

Dain, William D., assignor to Econaway Manufa Company, Bellevue, Mich. Cutting and splicin ratus. 2,661,046, Dec. 1.

Daintee Toys, Inc., assignee: *See*— Don Dero, Sylvester F.

Dairy Equipment Company, assignee: *See*— Markley, Richard.

Dairymat Corporation, assignee: *See*— Gilberty, Paul.

Daish, Thomas G.: *See*— Slatter, Brian H., and Daish.

Daisy Manufacturing Company, assignee: *See*— Wells, William S.

Daisy, William E., Woburn, Mass. Refrigeratin ratus with defrosting mechanism. 2,624,179, J

Dake Engine Company, assignee: *See*— Poort, Henry H., and Shaver.

Dakis, Hercules D., San Diego, Calif. Fish canni ess and pack. 2,644,757, July 7.

Dalalian, Harry P., Rutherford, N. J., and S. F Nanuet, assignors to American Cyanamid Co New York, N. Y. Pyrazine derivatives and pr the same. 2,646,431, July 21.

Dalby, Delbert G., and M. E. Smith, Amarillo, Tex cle lift for wrecking trucks. 2,625,279, Jan. 13.

Dalby, Elmer F., Valley Head, Ala. Motor vehi shift attachment. 2,633,756, Apr. 7.

Dalby, Eric, Leeds, England. Graphical record indicating apparatus. 2,648,915, Aug. 18.

Dale, Clarence R., Altadena, Calif. Oil well flo 2,649,712, Aug. 25.

Dale, Clarence R., Los Angeles, Calif. Oil well flo 2,649,710, Aug. 25.

Dale, Clarence R., Los Angeles, Calif. Apparatus termining fluid flow in wells. 2,649,711, Aug. 2

Dale, Colin B., Oak Park, assignor to Webster- Corporation, Chicago, Ill. Phonograph. 2,628,8 17.

Dale, Colin B., Oak Park, assignor to Webster- Corporation, Chicago, Ill. Spindle for pho records. 2,634,983, Apr. 14.

Dale, Colin B., Oak Park, assignor to Webster- Corporation, Chicago, Ill. Adapter for pho records. 2,651,523, Sept. 8.

Dale, Colin B., Oak Park, assignor to Webster- Corporation, Chicago, Ill. Phonograph. 2, Sept. 22.

Dale, Colin B., Oak Park, A. L. Berg, and H. H. assignors to Webster-Chicago Corporation, Chic Phonograph. 2,652,258, Sept. 15.

Dale, Edward C., Jr., Christinsted, St. Croix, Islands. Eyeshade. 2,645,774, July 21.

Dale, Elmer O., Waukesha, Wis., assignor, by me signments, to Gar Wood Industries, Incor Standardized dump body assembly. 2,640,725,

Dale, Elmer O., Waukesha, Wis., assignor, by assignments, to Gar Wood Industries, Incor Hydraulic power unit and internal-combustion with clutch drive therebetween operated from circuit of such engines. 2,661,696, Dec. 8.

Dale, Frank L., New York, and L. L. McMickle, G assignors to Mechanical Man, Inc., New York Animated figure. 2,637,936, May 12.

Dale, George T., Sea Cliff, N. Y. Hair t 2,634,728, Apr. 14.

Dale, John H.: *See*— Corbitt, Robert W., and Dale.

Dale, Joseph B., Rockville Centre, assignor to mechanisms, Inc., Mineola, N. Y. Means for electromechanical vibrator reeds. 2,629,033,

Dale, Vernon F., and G. Reed, Onalaska, assignors Bump Pump Co., La Crosse, Wis. Sanitary p semblage. 2,635,552, Apr. 21.

Dale, Vernon F., and G. W. Reed, Onalaska, assignors to The Bump Pump Co., La Crosse, Wis. Pump by-passing assemblage. 2,642,001, June 16.

Dale, Wesley J.: *See*—
Kolthoff, Izaak M., and Dale.

Dale, William C.: *See*—
Cihoski, Edward C., and Dale.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Ion-exchange resins. 2,628,193, Feb. 10.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Ion-exchange resins. 2,631,127, Mar. 10.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Sulfonated aryl acetylene resins. 2,644,801, July 7.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Sulfonated aromatic hydrocarbon-aliphatic polyene hydrocarbon ion-exchange resins. 2,645,621, July 14.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Compositions containing polymerized acrylonitrile and solvent therefor. 2,648,653, Aug. 11.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Catalytic polymerization process. 2,656,334, Oct. 20.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Catalytic polymerization process. 2,656,341, Oct. 20.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Method and apparatus for storing and advancing thread. 2,658,255, Nov. 10.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Polymeric compositions from a chlorophenol, an aldehyde, and a chloroepoxyalkane. 2,658,884, Nov. 10.

D'Alelio, Gaetano F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Polymeric compositions from a hydrocarbon substituted phenol, an aldehyde, and a chloroepoxyalkane. 2,658,885, Nov. 10.

Dalemill Company, The, assignee: *See*—
Eade, Carleton W., and Schug.

Dalenberg, William R., Riverdale, Ill., assignor to International Harvester Company. Seal structure for use between a wall and a plate assembled therewith. 2,655,135, Oct. 13.

Daleo, James, Long Island, N. Y., and S. Fogilo, Jr., Teaneck, N. J. Sample display case. 2,646,143, July 21.

Dales, Herbert, Leamington Spa, England. Machine tool. 2,633,709, Apr. 7.

Dales, John D., assignor of twenty-two and two-ninths to W. C. A. Howell, twenty-two and two-ninths to O. M. Taylor, Toronto, Ontario, and twenty-two and two-ninths to A. H. Beaulne, Montreal, Quebec, Canada. Water faucet. 2,633,862, Apr. 7.

Daley, Bernard A., Scott Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y. Iron-phosphorus brazing compact. 2,661,282, Dec. 1.

Daley, Charles W., Indianapolis, Ind., assignor to Radio Corporation of America. Support fixture for supporting pronged structures. 2,660,004, Nov. 24.

Daley, Edward A., Belleville, Ill., H. J. Mueller, St. Louis, Mo., and B. F. Bracy, Belleville, Ill. Liquid dispensing device. 2,643,792, June 30.

Daley, Edward M., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Moisture resistant friction elements and producing same. 2,635,954, Apr. 21.

Daley, James R., Amherst, Ohio. Means to deposit waterborne sand. 2,655,790, Oct. 20.

Dalglish, James J., St. Paul, and R. L. Holm, Minneapolis, Minn., assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Mower mounting. 2,645,073, July 14.

Dalin, David, Ronninge, and T. J. Hedbäck, assignors to AB Svenska Maskinverken, Södertälje, Sweden. Method and means for the control of emulsion heat. 2,635,815, Apr. 21.

Dalin, David, Stenkullen, Ronninge, Sweden. Extended surface heat exchanger. 2,655,352, Oct. 13.

Dalin, David, Stenkullen, Ronninge, Sweden. Apparatus for the destructive distillation of oil shale. 2,661,327, Dec. 1.

Dalin, David, Stenkullen, Ronninge, and G. V. Hagby, Ostertälje, assignors to AB Svenska Maskinverken, Södertälje, Sweden. Apparatus for preheating combustion air and feed water for steam generating plants. 2,635,587, Apr. 21.

Da-Lite Screen Company, Inc., assignee: *See*—
Du Mais, Leo J.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door latch. 2,636,375, Apr. 28.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door latch. 2,636,764, Apr. 28.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door latch. 2,636,765, Apr. 28.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door latch. 2,644,707, July 7.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Deck latch. 2,658,778, Nov. 10.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Latch mechanism. 2,658,779, Nov. 10.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Door latch. 2,658,780, Nov. 10.

Dallenbach, Frederick: *See*—
Pavlecka, Vladimir H., and Dallenbach.

Dällenbach, Walter, Zurich, Switzerland. Dental prothesis. 2,635,338, Apr. 21.

Dalley, Charles J., Maplewood, N. J., assignor to W. Langbein, E. Langbein and C. Langbein, a partnership doing business as Wm. Langbein & Bros., New York, N. Y. Fastening device. 2,650,845, Sept. 1.

Dalmo Victor Company, assignee: *See*—
McGogy, Donald H.

Dalpiaz, Albert J., Dennison, Ohio. Adjustable clamp. 2,650,404, Sept. 1.

Dalrymple, Philip W., Wellesley Farms, Mass., assignor to The International Glass Company, Inc., New York, N. Y. Mounting method. 2,641,879, June 16.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Inflating mechanism adjustable for high or low pressure ranges. 2,625,949, Jan. 20.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Spray gun. 2,626,188, Jan. 20.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Engine starter mechanism. 2,642,055, June 16.

Dalton, George T., Miami Springs, Fla. Fishhook. 2,629,959, Mar. 3.

Dalton, Harold R.: *See*—
Cooley, Austin G., and Dalton.

Dalton, Harold R., Jenkintown, Pa., assignor, by mesne assignments, to Timefax Corporation, New York, N. Y. Stencil recording blank and preparation. 2,664,043, Dec. 29.

Dalton, Harold R., Jenkintown, Pa., assignor to Timefax Corporation, New York, N. Y. Electric signal recording blank. 2,664,044, Dec. 29.

Dalton, James E., Crewe, Va. Loading dump truck body. 2,624,484, Jan. 6.

Dalton, John D., assignee: *See*—
Jones, Lester V.

Dalton, John N., Providence, R. I., and J. P. Ploubides, assignors to Pacific Mills, Lawrence, Mass. Continuous chrome mordanting and dyeing of wool. 2,628,883, Feb. 17.

Dalton, Robert H., assignor to Corning Glass Works, Corning, N. Y. Soft glass and composite article. 2,642,633, June 23.

Dalton, Robert H., assignor to Corning Glass Works, Corning, N. Y. Soft glass and composite article. 2,643,020, June 23.

Dalton, Thomas B., assignor, by mesne assignments, to Valley Research Corporation, Montague, Mich. Wrapping machine. 2,648,180, Aug. 11.

Dalton, Thomas B., assignor, by mesne assignments, to Valley Research Corporation, Montague, Mich. Stacker mechanism. 2,648,181, Aug. 11.

Dalton, Thomas B., assignor, by mesne assignments, to Valley Research Corporation, Montague, Mich. Wrapper feeding mechanism. 2,648,183, Aug. 11.

Dalton, Thomas B., assignor to West Michigan Steel Foundry Co., Muskegon, Mich. Support for semitrailers. 2,655,340, Oct. 13.

D'Alton, William, Paris, France. Friction type lighter. 2,638,763, May 19.

Dalton, William, Schenectady, N. Y. Locomotive wheel and axle drive assembly. 2,625,116, Jan. 13.

Daly, Charles T.: *See*—
Jacobsen, Bent B., Daly, Thomas, Wolfson, Shepard, and Green.

Daly, Charles T., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Method of calibrating electric oscillation generators. 2,629,829, Feb. 24.

Daly, Charles T., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric amplifier with automatic gain control. 2,647,176, July 28.

Daly, Francis R., Minneapolis, Minn. Transportable shelter. 2,662,232, Dec. 15.

Daly, George F., and F. V. Adams, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Storage device. 2,660,370, Nov. 24.

Daly, George F., and F. V. Adams, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Calculating punch. 2,660,373, Nov. 24.

Daly, John J., Cheyenne, Wyo. Slack adjusting device for air brakes. 2,654,447, Oct. 6.

Daly, Robert M., New York, N. Y. Camera slide. 2,648,266, Aug. 11.

Dalzell, Vernon W., Alliance, Ohio. Computing instrument for making elbows. 2,658,672, Nov. 10.

Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Apparatus for aerating flotation pulps and the like. 2,628,827, Feb. 17.

Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Hulling, washing, and drying of grain, with simultaneous screening. 2,633,171, Mar. 31.

Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Dual aerating flotation machine. 2,651,413, Sept. 8.

Dambrun, Marie M.: *See*—
Gil, Marie M.

Dameron, John H., Clinton, Tenn. Rotary pump and motor hydraulic transmission. 2,663,147, Dec. 22.

Dames, Trent R., San Marino, W. W. Moore, San Francisco, and J. W. Maloney, Alhambra, Calif. Soil shear testing machine. 2,656,718, Oct. 27.

Damgaard, Poul B., Copenhagen, Denmark. Valve and actuating means for fluid motors. 2,635,585, Apr. 21.

D'Amico, Anthony F.: *See*—
Huelster, Otto J., and D'Amico.

Dammann, Faye G.: *See*—
Troth, Harry G., and Dammann.

Dammers, Bernhardus G.: *See*—
Cock, Ludolf J., Dammers, Boelens, and de Miranda.

D'Amore, Michael J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Manual operator for power-operated valves. 2,658,524, Nov. 10.

Damore, Jack N.: *See*—
Cassiere, Frank A., and Damore.

Damron, Charles L., Lexington, Ky. Radio receiving system. 2,650,297, Aug. 25.

Damrow Brothers Company, assignee: *See*—
Peters, Norman J.

Damschroder, Rudolph E.: *See*—
Hill, George D., and Damschroder.

Damschroder, Rudolph E., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of photographic emulsions. 2,646,426, July 21.

Damschroder, Rudolph E., and H. C. Yutzy, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic silver halide emulsions sensitized with water-insoluble gold compounds. 2,642,361, June 16.

Dana Corporation, assignee: *See*—
Barth, Elmer J., and Smith.
De Coursey, Everson M.
Michell, William P.
Thelander, W. Vincent.

Dana, Paul M., Billings, Mont., assignor to Standard Oil Development Company. Variable oil-gas fuel control system. 2,648,499, Aug. 11.

Danberg, C. A., Inc., assignee: *See*—
Danberg, Charles A.

Danberg, Charles A., assignor to C. A. Danberg, Inc., Berlin, Conn. Electric terminal clamp. 2,644,142, June 30.

Dance, Eldred L.: *See*—
Dirstine, Philip H., and Dance.

Danciart, Theodore T., Alhambra, assignor to State Mfg. Co., Los Angeles, Calif. Canopy construction. 2,646,810, July 28.

Danco Metal Products, Inc., assignee: *See*—
Danielson, Carl G.

Dandini, Juliana S., Reno, Nev. Armored skirt for tanks. 2,625,859, Jan. 20.

Dandridge, George F. J., Loughton, England. Vermin-trap. 2,656,641, Oct. 27.

Daněk, Otto, and J. Nosek, Pardubice-Rybitví, assignors to Vychodoceske Chemicke Zavody, narodni podnik, Pardubice, Czechoslovakia. Preparation of aromatic mercury halides. 2,650,238, Aug. 25.

Danel, Pierre F., assignor to Etablissements Neyrpic, Grenoble, France. Apparatus for regulating the discharge of liquids through siphons. 2,642,888, June 23.

Danforth, Richard S., Berkeley, assignor to R. H. Eckhoff, Piedmont, Calif., as trustee. Making anchors. 2,633,626, Apr. 7.

Danforth, Richard S., Berkeley, assignor to R. H. Eckhoff, Piedmont, Calif., as trustee. Anchor. 2,641,215, June 9.

Danforth, Richard S., Berkeley, assignor to R. H. Eckhoff, Piedmont, Calif., as trustee. Anchor. 2,643,631, June 30.

Dangelmajer, Charles, Nutley, N. J., assignor to Emsig Manufacturing Company, New York, N. Y. Preparing cured shaped products. 2,643,983, June 30.

D'Angelo, Alfred J., Penn Valley, Narberth, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Apparatus for coating tablets, pills, or other small objects. 2,652,805, Sept. 22.

Dangerfield, Kenneth J.: *See*—
Weaving, John H., Dangerfield, and Garrett.

Danhier, François G., Anderlecht, assignor to La Soudure Electrique Autogène Societe Anonyme, Brussels, Belgium. Weldment and making high tensile steel weldments by electric arc welding. 2,642,965, June 23.

Daniel, Benjamin M., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Type-bar mechanism for typewriting machines. 2,633,962, Apr. 7.

Daniel, David M., Berkeley, assignor to United Engineering Company, San Francisco, Calif. Roll shifting means for resaw devices. 2,661,033, Dec. 1.

Daniel, Jean, Lyon, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Stability of hydraulic turbine regulators. 2,630,814, Mar. 10.

Daniel, John H., Stamford, C. G. Landes, New Canaan, and T. J. Suen, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacturing wet strength paper containing cationic urea-formaldehyde resin. 2,657,132, Oct. 27.

Daniel, Nathan I., Asbury Park, N. J. Electrical musical instrument. 2,645,969, July 21.

Daniel, Robert S., Alexandria, Va., and M. S. Washington, D. C. Index tab for guid 2,633,849, Apr. 7.

Daniel, Thomas M., Birmingham, Ala. Metal pa 2,642,269, June 16.

Daniels, Charles D., Mountainair, N. Mex. Piv wrench. 2,646,709, July 28.

Daniels, Ervie H., Frazee, Minn. Device for snow. 2,627,679, Feb. 10.

Daniels, Farrington, Madison, Wis., assignor to Alumni Research Foundation. Production of oxides. 2,657,116, Oct. 27.

Daniels, Flavius K.: *See*—
Nasmith, John I., and Daniels.

Daniels, Flavius K., assignor to Vickers-Armstr ited, London, England. Means for contro motion of masses adapted to perform rotati rectilinear motion. 2,648,281, Aug. 11.

Daniels, Fred B., New York, N. Y. Wide freque magnetic recording and reproducing system. Feb. 24.

Daniels, George H., Westfield, N. J. Receptac machine. 2,656,962, Oct. 27.

Daniels, Howard G., Dearborn, and E. C. Pickard assignors to Ford Motor Company, Dearbo Spring seat structure. 2,657,740, Nov. 3.

Daniels, Lee C., Harvey, Ill., assignor to Towm poration, Cleveland, Ohio. Barrel top grab m 2,655,278, Oct. 13.

Daniels, Lee G., Rockford, Ill. Valve structure. Jan. 20.

Daniels, Richard W., Jr., and J. J. Maciejowski, Mass., assignors to United Shoe Machinery tion, Flemington, N. J. Compacting machine leather. 2,663,179, Dec. 22.

Daniels, William A., Seven Hills Village, Ohio. for ice-cream containers and the like. 2,639, 19.

Daniels, William T., Pittsburgh, Pa. Variabl and pressure rotary pump. 2,639,855, May 2

Danielsen, August A., Rosedale, and A. P. Schle lon, assignors, by mesne assignments, to Gener Corporation, Garden City, N. Y. Machine and shock absorber. 2,644,366, July 7.

Danielson, Arthur C.: *See*—
Cuthbertson, George R., Buckwalter, and

Danielson, Carl E., North Sacramento, Calif., a decree of distribution to E. L. Danielson. driving mount for rotary shoe shining 2,634,143, Apr. 7.

Danielson, Carl G., Rocky River, assignor to Da Products, Inc., Westlake, Ohio. Can crushi 2,638,957, May 19.

Danielson, Ellen L., assignee: *See*—
Danielson, Carl E.

Danielson, Elmer L., Oakland, and F. J. Do Francisco, Calif., assignors to E. L. Danie F. J. Dofsen, as joint tenants. Forming a plastic structure. 2,663,910, Dec. 29.

Danielson, Otis: *See*—
McGee, Dean A., Danielson, and Seale.

Danielson, Vernon S., Dolton, assignor to W. Inc., Chicago, Ill. Friction shock absorbing for railway draft riggings. 2,639,821, May 2

Danielson, Vernon S., assignor to W. H. Mi Chicago, Ill. Shock absorbing mechanism fo draft riggings. 2,650,720, Sept. 1.

Danielson, Vernon S., Dolton, and W. D. Wall Forest, assignors to W. H. Miner, Inc., Ch Draft and buffer rigging for vehicles. 2,638 12.

Danielson, Vernon S., Dolton, and C. A. Anders ors to W. H. Miner, Inc., Chicago, Ill. Shock mechanism for draft riggings of railw 2,656,935, Oct. 27.

Danielson, Vernon S., Chicago, and R. G. Tillou, assignors to W. H. Miner, Inc., Chicago, I absorbing mechanism for railway draft 2,656,936, Oct. 27.

Danielson, Vernon S., Dolton, and W. D. Wall Forest, assignors to W. H. Miner, Inc., Ch Draft rigging for vehicles. 2,664,300, Dec.

Danielsson, Jan P., assignor to Aktiebolaget At Stockholm, Sweden. Method and means for or the like in rock. 2,655,360, Oct. 13.

Danielsson, Paul, assignor to Arenco Aktiebol holm, Sweden. Apparatus for position 2,649,613, Aug. 25.

Daniloff, Karl B., Seattle, Wash., assignor to Chemical Company, St. Louis, Mo. Stabili casein solution. 2,662,026, Dec. 8.

Danish, Abe A.: *See*—
Hyman, Julius, and Danish.

Daniska, John G., Vandergrift, Pa. Roller ska ment. 2,631,861, Mar. 17.

Danison, Robert C., Painesville, assignor to Alkali Company, Cleveland, Ohio. Stabili chlorinated paraffin wax. 2,631,125, Mar. 10.

Danison, Robert C., Painesville, assignor to Alkali Company, Cleveland, Ohio. Process a for manufacturing sodium silicate glasses. July 7.

Danks, Alfred C., Cleveland, Ohio. Butterfly valve. Re. 23,613, Jan. 13.

Danly, George I., Elmhurst, and V. Georgeff, La Grange Park, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Connecting rod joint. 2,653,838, Sept. 29.

Danly Machine Specialties, Inc., assignee: *See*—
Danly, George I., and Georgeff.
Georgeff, Vasil.

Dann, Charles W., Malden, Mass., and R. M. Somers, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Advance marker for dictating machines. 2,628,841, Feb. 17.

Dann, Ernest G., New York, N. Y. Shorts. 2,652,053, Sept. 15.

Dann, Herman, Brooklyn, N. Y. Inserting single sheets into folded sheets and apparatus for performing the same. 2,644,686, July 7.

Dann, John D., assignor to The Cincinnati Mine Machinery Co., Cincinnati, Ohio. Bit and bit clamp. 2,658,740, Nov. 10.

Dannenberg, Hans, Berkeley, assignor to Shell Development Company, Emeryville, Calif. Curing resin-forming compositions with sulfonic acids. 2,631,138, Mar. 10.

Dannenberg, Hans, Berkeley, assignor to Shell Development Company, Emeryville, Calif. Curing glycidyl polyethers of dihydric phenols with sulfonic acids. 2,643,243, June 23.

Dannenberg, Hans, Berkeley, and J. R. Scheibli, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Polyesters of alkenyl-succinic acids. 2,650,211, Aug. 25.

Dannheim, Fred E., Allentown, N. Y. Pipe driving point. 2,631,823, Mar. 17.

Dan River Mills, Incorporated, assignee: *See*—
Gagarine, Dmitry M.
Gagarine, Dmitry M., Smith, and Spangler.
Jennings, Harley Y.
Newton, Russell B., and Williamson.

Danroth, Edward J., and A. Petkau, Domaine, Saskatchewan, Canada; said Petkau assignor to said Danroth. Tire bead breaking hand tool. 2,652,103, Sept. 15.

Dansard, Félix J. M., Saint-Chamond, France. Extensible electric cord. 2,652,444, Sept. 15.

Danske Andelsslagteriers Konservesfabrik A. m. b. A., assignee: *See*—
Petersen, Gustav.

Danziger, Manfred, Newark, N. J. Extensible cake pan. 2,627,801, Feb. 10.

Dapoz, Max, assignor of one-fifth to H. Thiebaud, and one-fifth to J. F. Sani, New Philadelphia, Ohio. Traffic light. 2,642,563, June 16.

Darabaris, Peter, Clifton, N. J. Variable precision measuring instrument. 2,638,678, May 19.

Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Shed closing and pick-back mechanism. 2,654,397, Oct. 6.

Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Jaw holder for gripper shuttle looms. 2,660,201, Nov. 24.

Darby, Joseph R., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Production of maleic anhydride. 2,624,744, Jan. 6.

Darby, Joseph R., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of maleic anhydride. 2,625,554, Jan. 13.

Darby, Joseph R., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Fungi and bacteria resistant polyvinyl halide compositions. 2,632,746, Mar. 24.

Darby, Joseph R., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Fungi and bacteria resistant polyvinyl halide compositions. 2,632,747, Mar. 24.

Darby, Joseph R., Richmond Heights, and L. E. Wells, Jr., Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Plasticized halogen-containing resins. 2,664,410, Dec. 29.

D'Arcy, Ellis W., assignor to De Vry Corporation, Chicago, Ill. Mechanism for forming a loop in the web of a film of a motion-picture machine. 2,633,356, Mar. 31.

D'Arcy, Ellis W., assignor to De Vry Corporation, Chicago, Ill. Film guide roller for motion-picture projecting machines. 2,639,146, May 19.

Darden, Edna D., Springfield, Tenn. Packaging material. 2,628,907, Feb. 17.

D'Ardenne, Walter H.: *See*—
Green, Samuel G., D'Ardenne, Meinel, and Devore.

Darey, Arnold F.: *See*—
Phillips, John J., and Darey.

Darin & Armstrong Incorporated, assignee: *See*—
Darin, Peter C.

Darin, Peter C., assignor to Darin & Armstrong Incorporated, Detroit, Mich. Hole digging apparatus. 2,631,013, Mar. 10.

Darke, Francis J., Jr.: *See*—
Szikiai, George C., and Darke.

Darlaston, Arthur J. H., Hertford, England, assignor to General Electric Company. Settling of fluorescent screens. 2,662,830, Dec. 15.

Darling, Earl N., Pocatello, Idaho. Blackboard eraser. 2,648,863, Aug. 18.

Darling, Horace E., North Attleboro, assignor to The Foxboro Company, Foxboro, Mass. Electric motor follow-up system for measuring. 2,653,282, Sept. 22.

Darling, Jesse A., Jackson Heights, N. Y. Threaded stopper attachment for internally threaded lathe chucks. 2,650,098, Aug. 25.

Darling, Ralph E., Bethesda, Md. Composite fluid and electrical connector. 2,634,311, Apr. 7.

Darling Valve & Manufacturing Company, assignee: *See*—
Simon, Carl H.

Darlington, Sidney, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ballistic computer having range extending adjustable scale factor means. 2,658,673, Nov. 10.

Darlington, Sidney, Passaic Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,663,806, Dec. 22.

Darlington, Sidney, New York, N. Y., and A. A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artillery computer having deck tilt and gun parallax correction factors. 2,658,674, Nov. 10.

Darlington, Sidney, New York, N. Y., and A. A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tilt corrector for fire control computers. 2,658,675, Nov. 10.

Darnell, Gerard D.: *See*—
Stuart, Jasper C., and Darnell.

Darnell, Rex C., Dexter, assignor to King-Seeley Corporation, Ann Arbor, Mich. Interval timer. 2,646,844, July 28.

Darner, Frederic M., Shaker Heights, Ohio, and R. E. Brakeman, Gadsden, Ala., assignors to Republic Steel Corporation, Cleveland, Ohio. Apparatus for advancing plate material. 2,627,969, Feb. 10.

Darner, Frederic M., Shaker Heights, Ohio, and W. S. Schaefer, East Gadsden, Ala., assignors to Republic Steel Corporation, Cleveland, Ohio. Indicating device for seam welding apparatus. 2,656,447, Oct. 20.

Darner, Frederic M., Shaker Heights, and C. C. Walters, Willoughby, assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Process and apparatus for reducing ferrous chloride in liquid form to elemental iron. 2,664,352, Dec. 29.

Darragh, John L., Alamo, and G. B. Johnson, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Deodorization of monoaryl substituted alkanes. 2,626,967, Jan. 27.

Darrah, Arthur F., Rochester, Vt. Machine for scrubbing inner side wall and bottom of cylindrical containers. 2,628,379, Feb. 17.

Darrah, Thomas E.: *See*—
Gill, Walter H., and Darrah.

Darrell, George H., Dedham, Mass., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Target throwing machine. 2,652,820, Sept. 22.

Darrieus, Georges, Houilles, France, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Apparatus for automatic balancing of rotating bodies. 2,659,243, Nov. 17.

Darrieus, Georges, Maunoury, Houilles, assignor to Compagnie Electro-Mecanique, Paris, France. Fairing for high-speed devices. 2,649,266, Aug. 18.

Darrin, Howard A., Los Angeles, Calif. Automobile power-operated sliding door construction. 2,628,860, Feb. 17.

Darroch, Ronald N., Detroit, Mich. Rear viewing system for vehicles. 2,645,159, July 14.

Darrow, Merritt I., Chicago, G. R. Biddinger, Bellwood, and W. J. Patterson, La Grange, assignors to Swift & Company, Chicago, Ill. Poultry gizzard skinner. Re. 23,758, Dec. 29.

Darrow, Merritt I., Chicago, G. R. Biddinger, Bellwood, and W. J. Patterson, La Grange, assignors to Swift & Company, Chicago, Ill. Removing poultry gizzard linings. 2,660,756, Dec. 1.

Darsey, Van M., assignee: *See*—
Ulrey, David G.

Dart, Jack C.: *See*—
Kirkbride, Chalmer G., and Dart.
Savage, Reuben T., and Dart.

Dart, Jack C., Moylan, assignor to Houdry Process Corporation, Philadelphia, Pa. Catalytic conversion of hydrocarbons. 2,658,859, Nov. 10.

Dart Manufacturing Company, assignee: *See*—
Dart, William F.

Dart, William F., assignor to Dart Manufacturing Company, Mason, Mich. Measuring tape. 2,663,941, Dec. 29.

Darth, John H. H.: *See*—
Cohen, Henry, and Darth.

Darwin, Clifford, Paxton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slipping weft detector. 2,633,158, Mar. 31.

Darwin, Clifford, Paxton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for looms. 2,642,094, June 16.

Dary, Dorothee C., Sunnyvale, Calif. Set of nested chairs. 2,642,119, June 16.

Dascomb, Clair E., assignor to The Welch Grape Juice Company, Inc., Westfield, N. Y. Jar unscrambler and inverter. 2,663,401, Dec. 22.

Dasher, Don E., Birmingham, Mich. Rotary pump and motor hydraulic transmission. 2,648,952, Aug. 18.

Dashiell, Daniel H., assignor to The International Electronics Company, Philadelphia, Pa. Oscillator-amplifier circuits for magnetic recording and reproducing systems. 2,654,003, Sept. 29.

Daskam, Edward, Jr., Franklin Square, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Multivibrator circuits. 2,633,535, Mar. 31.

Dasse, Lester F.: *See*—
Myers, Claude R., Dasse, and Bassett.

D'Assis Fonseca, Evelyn C. M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Holding means for projectile fins. 2,661,689, Dec. 8.

Date, Roy M., assignee: *See*—
Date, Tod M.

Date, Tod M., Seattle, assignor of one-third to R. M. Date, Friday Harbor, Wash. Hoist. 2,626,505, Jan. 27.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,627,950, Feb. 10.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,633,352, Mar. 31.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Snubbing means for railway car truck springs. 2,638,853, May 19.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,643,874, June 30.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,643,876, June 30.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway cars. 2,650,719, Sept. 1.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction buffer for railway cars. 2,656,938, Oct. 27.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,658,747, Nov. 10.

Dath, George E., Mokena, and E. H. Lehman, assignors to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for trucks of railway cars. 2,643,875, June 30.

Daub, Rudolph, West Caldwell, N. J. Air cooling for internal-combustion engines. 2,650,578, Sept. 1.

Daubel, John, Chattaroy, Wash. Power operated push bar log turner. 2,639,738, May 26.

Dauben, Hyp J., Jr.: *See*—
Bartlett, Paul D., Dauben, and Schneider

Daubenspeck, Henry C., assignee: *See*—
Winder, Samuel E.

Daugherty, Clyde J., and T. F. Anderson, assignors to The Sanymetal Products Co., Inc., Cleveland, Ohio. Shower cabinet. 2,648,409, Aug. 11.

Daugherty, James G.: *See*—
Hadley, Raymond F., Daugherty, and Young.

Daugherty, Jesse: *See*—
Wigton, Walter B., and Daugherty.

Daugherty, Jesse, assignor, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Hydraulic table stop. 2,631,503, Mar. 17.

Daugherty, Jesse, Cincinnati, Ohio, assignor, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Machine tool. 2,635,930, Apr. 21.

Daugherty, Robert A.: *See*—
Magor, Stuart F., and Daugherty.

Daughraty, Charles H., East Chelsford, Mass. Scoring gauge for bullet holes. 2,637,556, May 5.

Daul, George C., J. D. Reid, and R. M. Reinhardt, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Spinnable carboxymethylated cotton fibers and their production. 2,663,615, Dec. 22.

Daun, Carl L., Milwaukee, Wis., assignor to Daun & Co., Chicago, Ill. Cooling and dispensing device. 2,638,758, May 19.

Daun & Co., assignee: *See*—
Daun, Carl L.

Dauphinee, George S., Brooklyn, assignor to W. B. Connor Engineering Corp., New York, N. Y. Air purifying and circulating device. 2,640,558, June 2.

Dauphinee, George S., Brooklyn, assignor to W. B. Connor Engineering Corp., New York, N. Y. Diffuser for air conditioning systems. 2,644,389, July 7.

Daust, Herbert, St. Louis, Mo. Bib and bottle holding device. 2,631,288, Mar. 17.

Daust, Herbert, St. Louis, Mo. Insulated handbag. 2,661,785, Dec. 8.

Dautrebande, Lucien, Brussels, Belgium, assignor to Aerosol Corporation of America, New York, N. Y. Apparatus for obtaining aerosols of superior quality. 2,642,150, June 16.

Dautrebande, Lucien, Washington, D. C., assignor to Aerosol Corporation of America, New York, N. Y. Separation of gas suspended dust particles. 2,663,382, Dec. 22.

Daven Company, The, assignee: *See*—
Coles, Arthur, Jr., and Hood.

Davenport, Edward J., Elkins Park, Pa., assignor to National Union Radio Corporation, Orange, N. J. Cathode-ray tube test device. 2,661,445, Dec. 1.

Davenport Machine Tool Co., Inc., assignee: *See*—
Brinkman, Earl W.

Davey, Clarence P., Oak Park, assignor to Eugene Co., Chicago, Ill. Slide rule indicator. Apr. 14.

Davey Compressor Company, assignee: *See*—
Carroll, Robert P.

Davey, Edward L., Hale, assignor to W. T. Glover pany Limited, Manchester, England. Gas-filled cable with paper and polystyrene insulation. Aug. 25.

Davey, James R., Franklin Township, Somerset N. J., assignor to Bell Telephone Laboratories porated, New York, N. Y. Hub telegraph 2,636,942, Apr. 28.

Davey, James R., assignor to Bell Telephone Lab Incorporated, New York, N. Y. Telegraph hu circuit. 2,634,333, Apr. 7.

Davey, James R., assignor to Bell Telephone Lab Incorporated, New York, N. Y. Electronic s loop telegraph repeater. 2,649,504, Aug. 18.

Davey, Leonard C., assignee: *See*—
Magoon, Osborn P.

Davey, Paul H., Kent, Ohio. Compressor 2,653,753, Sept. 29.

Davey, Paxman and Company Limited, assignee Allman-Ward, Frederick H.

David, Edward J.: *See*—
Salfisberg, Leroy L., and David.

David, Frank L., College Point, N. Y. Releasable 2,647,294, Aug. 4.

David, Otto: *See*—
Triebbnigg, Heinrich, and David.

David, Pierre, Pont-a-Mousson, assignor to Com Pont-a-Mousson, Nancy, France. Pipe joint. Oct. 27.

David, Vernon J., Durham, Kans. Chain link. July 14.

David, Vernon W.: *See*—
Airs, Raymond S., and David.

Davidson, Abraham G., Port Angeles, Wash., a H. Covington and E. Caulkins. Fish lure. May 5.

Davidson Corporation, assignee: *See*—
Dell, Edward F.

Davidson, Donald W., Jr., Sutter, Calif. Bel aircraft guns. 2,649,840, Aug. 25.

Davidson, Frank M., Glade, Kans. Swingable tached ladder. 2,657,940, Nov. 3.

Davidson, Franklin A., Statesville, N. C. Body easel. 2,627,139, Feb. 3.

Davidson, Guy C., Burbank, Calif. Water spr debris moving device. 2,638,730, May 19.

Davidson, Harold B., near Louisville, Ky. App circulating water. 2,637,531, May 5.

Davidson, Hugh R.: *See*—
Busse, Warren F., and Davidson.

Davidson, James R., assignor to Taylor I Companies, Rochester, N. Y. Time cycle 2,637,835, May 5.

Davidson, John B., Grosse Ile, Mich., assignor t Chemicals Inc. Manufacture of tetramethy 2,657,245, Oct. 27.

Davidson, John T., assignor to The Standard Company, Dayton, Ohio. Strip feeding 2,663,196, Dec. 22.

Davidson, John T., and P. G. Stimson, assigno Standard Register Company, Dayton, Ohio. ing apparatus. 2,650,090, Aug. 25.

Davidson, John T., and J. H. Kroemer, assigno Standard Register Company, Dayton, Oh feeding apparatus. 2,660,428, Nov. 24.

Davidson, Lawrence W., San Mateo, and W. San Francisco, Calif., assignors to American pany, New York, N. Y. Device for stacking able articles. 2,635,002, Apr. 14.

Davidson, Lloyd H., Connersville, Ind., assigno Manufacturing Corporation, New York, N. Y having improved means for facilitating ope singly or in multiple. 2,653,851, Sept. 29.

Davidson, Mary C., Washington, D. C. Articl 2,664,209, Dec. 29.

Davidson, Noland D., Ellisville, and E. J. Laurel, Miss.; said Henderson assignor of one F. Walters, Laurel, Miss. Lubricated 2,663,213, Dec. 22.

Davidson, Stanley, Sudbury, Ontario, Canada. magnetic induction method and apparatus fo subterranean electrically conductive bodies. Sept. 15.

Davidson, Trevor O.: *See*—
Atkinson, William P., and Davidson.

Davidson, Trevor O., assignor to Bucyrus-Erie South Milwaukee, Wis. Supporting propuls for draglines and the like. 2,660,253, Nov.

Davidson, Vernon F., assignor of one-half to R. Shelton, Wash. Cabinet with rotatable 2,629,643, Feb. 24.

Davidson, Wilbur L.: *See*—
Calhoun, James C., Davidson, and Hanser

Davies, David O., Edgware, assignor to Rolls-R ited, Derby, England. Hydraulic speed-sen trol system for prime movers. 2,651,261, S

Davies, Donald W.: *See*—
Newman, Edward A., Davies, and Braybrook.

Davies, H. Frank, Loveland, assignor to The Great Western Sugar Company, Denver, Colo. Bag packaging method and machine. 2,633,280, Mar. 31.

Davies, Herbert L., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,663,604, Dec. 22.

Davies, Herbert O., Coedpoeth, near Wrexham, North Wales, and J. A. Davies, Oswestry, England. Fireplace and guard therefor. 2,634,719, Apr. 14.

Davies, James R., and L. C. Starkweather, Bakersfield, Calif. Wrench for radiator caps. 2,625,848, Jan. 20.

Davies, John A.: *See*—
Davies, Herbert O. and J. A.

Davies, Joseph R., Chicago, Ill. Bias sisal buff 2,642,706, June 23.

Davies, Joseph R., Chicago, Ill. Method and apparatus for cooling buffs and polishing wheels. 2,658,316, Nov. 10.

Davies, Kenneth R., Radbourne, near Derby, and K. Herbstritt, Littleover, Derby, assignors to Rolls-Royce Limited, Derby, England. Hydraulic governor for gas turbine engine fuel systems. 2,651,517, Sept. 8.

Davies, Kenneth R., Radbourne, near Derby, and K. Herbstritt, Littleover, Derby, assignors to Rolls-Royce Limited, Derby, England. Hydraulic control means for engine fuel systems. 2,661,796, Dec. 8.

Davies, Kenneth R., Radbourne, near Derby, and K. Herbstritt, Littleover, Derby, assignors to Rolls-Royce Limited, Derby, England. Fuel system for gas turbine engines. 2,664,152, Dec. 29.

Davies Laboratories, Inc., The, assignee: *See*—
Pear, Charles B., Jr.

Davies, Leonard G., Great Bookham, England. Air distributor. 2,626,556, Jan. 27.

Davies, Leonard T., Higham, assignor to Colcrete Limited, Strood, England. Cement mixer. 2,664,277, Dec. 29.

Davies, Phineas: *See*—
Taylor, Arthur W. C., Davies, and Reynolds.

Davies, Ralph K., Berea, Ohio. Educational device. 2,651,115, Sept. 8.

Davies, Richard E., Ridgewood, and S. B. McFarlane, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Making emulsions of polymethyl vinyl ketone. 2,631,987, Mar. 17.

Davies, Robert H., Aurora, assignor to The Parker Appliance Company, Cleveland, Ohio. Sealing means for cooperatively assembled parts of valve or comparable assemblies. 2,638,243, May 12.

Davies, Robert H., Bedford, assignor to The Parker Appliance Company, Cleveland, Ohio. Valve means for controlling the filling and draining of tanks. 2,630,822, Mar. 10.

Davies, Robert H., Shaker Heights, and E. R. Sirotak, Brooklyn Village, assignors to The Baker-Raulang Company, Cleveland, Ohio. Electrically driven mechanism. 2,653,841, Sept. 29.

Davies, Robert R.: *See*—
Adams, Dennis A. W., Davies, and Wilson.

Davies, Walter R., Shakopee, assignor to Minneapolis-Moline Company, Hopkins, Minn. Corn husker having rolls of alternate metal and rubber sections. 2,645,228, July 14.

Davignon, Ermand H., assignor to Metals & Controls Corporation, Attleboro, Mass. Composite metal having precious metal surface and beryllium-copper base. 2,646,616, July 28.

Davis, Allan C., assignor to The Davis Caser Company, Baltimore, Md. Case filling machine. 2,656,081, Oct. 20.

Davis, Ariel R., Provo, Utah. Variable voltage transformer. 2,632,857, Mar. 24.

Davis, Arthur C., Burbank, Calif. Sound recording and reproducing apparatus. 2,646,989, July 28.

Davis, Arthur P., Stamford, Conn., and J. K. Macomber, Rockville Centre, N. Y., assignors to Arma Corporation. Gun fire control apparatus. 2,658,277, Nov. 10.

Davis, Benjamin H., Noank, assignor to The Standard Machinery Company, Mystic, Conn. Wire-spooling apparatus. 2,653,773, Sept. 29.

Davis, Bruce E., Rising Sun, Md., and H. Mabe, Peach Bottom, Pa. Saw sharpener. 2,638,018, May 12.

Davis Caser Company, The, assignee: *See*—
Davis, Allan C.

Davis, Charles A., assignor to The Ohio Brass Company, Mansfield, Ohio. Screw actuated valve with auxiliary threaded stem support. 2,643,849, June 30.

Davis, Charles B.: *See*—
Wister, Harry H. and J. W., and Davis.

Davis, Charles C., Los Angeles, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic transducer head. 2,640,886, June 2.

Davis, Charles G., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Insert assembly for leaf springs. 2,660,425, Nov. 24.

Davis, Charles S., Jr., New York, N. Y., and J. E. Rice, Jr., Pompton Plains, N. J., assignors to Curtiss-Wright Corporation. Apparatus for dressing gear teeth grinding wheels. 2,646,030, July 21.

Davis, Charles W., Grand Prairie, Tex. Electronically controlled relay. 2,624,784, Jan. 6.

Davis, Charles W., assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Crystal cap and holder. 2,647,210, July 28.

Davis, Chester, and N. A. Thacker, assignors to The National Cash Register Company, Dayton, Ohio. Transfer paper. 2,646,367, July 21.

Davis, Chester L., assignee: *See*—
Muffley, Leo W.

Davis, Christopher A.: *See*—
Lombard, Adrian A., Morley, Davis, and Wilkinson.
Oulianoff, George, and Davis.

Davis, Clade D., Bisbee, Ariz. Tray attachment for chairs or the like. 2,633,900, Apr. 7.

Davis, Clade D., Bisbee, Ariz. Safety device for high chairs or the like. 2,658,564, Nov. 10.

Davis, Clinton S., Chicago, Ill., assignor to Swain Nelson Company. Gun sight. 2,633,051, Mar. 31.

Davis, Clyde O., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive package. 2,649,046, Aug. 18.

Davis, Clyde W.: *See*—
Stanton, George W., Lefferdink, and Davis.

Davis, Daniel E., Dallas, Tex., assignor of fifty-eight per cent to M. D. Miller. Automatic door opener. 2,634,124, Apr. 7.

Davis, Dean H., Longmont, Colo. Apparatus for centrifugal separation. 2,654,535, Oct. 6.

Davis, Delbert A., assignor of one-half to H. N. Stamos, Centerville, Iowa. Aileron gauge. 2,645,858, July 21.

Davis, Donald K., Winona, Minn., and R. K. Rauh, assignors to Interstate Drop Forge Company, Milwaukee, Wis. Peripheral cutter for multilayer cables. 2,660,783, Dec. 1.

Davis, Doyle M., Corryton, and J. C. Hart, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Badge meter. 2,659,013, Nov. 10.

Davis, Edgar B., Tangerine, Fla. Absorbent holder. 2,655,281, Oct. 13.

Davis, Elbert, North Hollywood, and O. C. Stahl, assignors, by mesne assignments, to said O. C. Stahl, Los Angeles, Calif. Plastic resin tubing and making the same. 2,645,249, July 14.

Davis, Elwood A.: *See*—
Moody, John L., and Davis.

Davis, Ernest W., River Forest, Ill. Lubricant pump. 2,627,814, Feb. 10.

Davis, Ernest W., River Forest, Ill. Reciprocating pump with outlet valve having material cutting means. 2,627,818, Feb. 10.

Davis, Eugene L., Jr. Beach, and M. E. Kalen, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cake inserter. 2,642,655, June 23.

Davis, Floyd M., Los Angeles, Calif. Tent. 2,663,306, Dec. 22.

Davis, Francis W., Belmont, Mass. Power steering gear. 2,627,187, Feb. 3.

Davis, Francis W., Belmont, Mass. Power booster mechanism with poppet valve controls for automotive steering gears. 2,634,708, Apr. 14.

Davis, Francis W., Belmont, Mass. Wheel assembly for suitcases or the like. 2,661,220, Dec. 1.

Davis, Frank F., and S. G. Richmond, assignors to E. J. Longyear Company, Minneapolis, Minn. Core bit. 2,662,738, Dec. 15.

Davis, Frank G., Baltimore, Md. Portable rivet remover and setter. 2,661,112, Dec. 1.

Davis, Frank G., and M. M. Kennedy, Baltimore, Md. Vegetable slicing and dicing apparatus. 2,661,039, Dec. 1.

Davis, Frank L., College Point, N. Y. Stacking cot and litter construction. 2,640,996, June 9.

Davis, Frank R., Birmingham, assignor to The Armstrong Company, Detroit, Mich. Can-filling apparatus. 2,634,035, Apr. 7.

Davis, Franklin O., Trenton, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, Washington, D. C. Disulfide ring compounds and polymerization thereof. 2,657,198, Oct. 27.

Davis, Fred A., assignee: *See*—
Smith, Harry E., Jr.

Davis, Freeman H., Artesia, Calif. Grass edge cutter. 2,624,938, Jan. 13.

Davis & Furber Machine Company, assignee: *See*—
Koolstra, John A.

Davis & Geck, Inc., assignee: *See*—
Riall, Charles T.

Davis, George B., Jr., Washington, D. C. Automatic heater for coffee makers and the like. 2,625,642, Jan. 13.

Davis, George H., Detroit, Mich. Double-walled tumbler. 2,637,182, May 5.

Davis, George K., Jr., Long Beach, Calif. Brush. 2,654,905, Oct. 13.

Davis, H. F., Tractor Company, assignee: *See*—
Davis, Ray B.

Davis, Hamilton C., Diablo, assignor to Walnut Creek Canning Co., Walnut Creek, Calif. Pressure Cooker. 2,629,312, Feb. 24.

Davis, Harold C., Webster Groves, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Paper bag. 2,652,972, Sept. 22.

Davis, Harold D., Montebello, Calif. Line splicer. 2,652,273, Sept. 15.

Davis, Harold G., Denver, Colo. Waste receptacle. 2,644,737, July 7.

Davis, Harold S., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Conversion of ethylene oxide to valuable products. 2,636,906, Apr. 28.

Davis, Harry, assignee: *See*—
Kopf, Harold.

Davis, Harry I., assignor to Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic element. 2,649,375, Aug. 18.

Davis, Harry R., Beverly Hills, assignor of one-half to H. A. Sanders, Smith River, Calif.; J. C. F. Merrifield executor of said H. A. Sanders, deceased. Wood wall structure. 2,644,204, July 7.

Davis, Henry R., Jr., assignee: *See*—
Straw, Clayton.

Davis, Herbert L.: *See*—
Henderson, John, Bloch, and Davis.

Davis, Herbert L., and A. Bloch, Highland Park, N. J., assignors to Ethicon Suture Laboratories Incorporated. Making sutures. 2,640,752, June 2.

Davis, Herman: *See*—
Grimson, Herman, and Davis.

Davis, Howard, Long Branch, N. J., S. Kass, Rehovot, Israel, and J. F. Kelliher, Middletown, and L. A. Pick, Little Silver, N. J., assignors to the United States of America as represented by the Secretary of the Army. Position finding of electrical disturbances. 2,637,841, May 5.

Davis, Howard A., I. A. Wolff, and J. E. Cluskey, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Producing amylose films. 2,656,571, Oct. 27.

Davis, Howard G., Jr., Wellesley, W. L. Durette, Cambridge, and E. C. Johnson, Somerville, assignors to B. B. Chemical Co., Boston, Mass. Bonding a body of polyethylene to a surface and adhesives used therefor. 2,656,297, Oct. 20.

Davis, Howard L., Payette, Idaho. Carcass splitter. 2,637,354, May 5.

Davis, Hyman R., Jackson Heights, and C. F. Montross, assignors to The Lummus Company, New York, N. Y. Process and apparatus for clay contacting in the refining of lubricating oil. 2,651,602, Sept. 8.

Davis, Irving, Company, assignee: *See*—
Isaac, Joseph.

Davis, James A., Columbus, and L. W. Eastwood, Westerville, Ohio, assignors, by mesne assignments, to The Pennsylvania Salt Manufacturing Company. Flux for treating aluminum and aluminum alloys. 2,654,670, Oct. 6.

Davis, James E., Abilene, and A. Sandhofer, deceased, Cisco, Tex.; R. Sandhofer, administratix of said A. Sandhofer. Pumping mechanism. 2,625,882, Jan. 20.

Davis, James N., Elmont, N. Y., assignor to Sylvania Electric Products Inc. Deferred-action battery. 2,634,305, Apr. 7.

Davis, James R., Booneville, Ind. Mechanism for raising and lowering kitchen cabinets. 2,634,188, Apr. 7.

Davis, Jarrell B., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Portable jig boring fixture. 2,636,404, Apr. 28.

Davis, Jessie A., Foundation, Inc., assignee: *See*—
Davis, John H.

Davis, John F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyester resin compositions and preparing same. 2,652,382, Sept. 15.

Davis, John F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyester resin compositions and preparing same. 2,652,383, Sept. 15.

Davis, John H., assignor to Jessie A. Davis Foundation, Inc., Detroit, Mich. Screw pump. 2,647,467, Aug. 4.

Davis, John K., East Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Lens testing instrument. 2,624,237, Jan. 6.

Davis, John M., Chamblee, Ga. Centrifugal classifier. 2,642,991, June 23.

Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Loading and unloading apparatus. 2,645,186, July 14.

Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Pusher type automatic plating apparatus. 2,650,600, Sept. 1.

Davis, John V., C. W. Chill, and L. J. Pianowski, assignors to The Udylite Corporation, Detroit, Mich. Oscillating rail for work-immersion machines. 2,650,904, Sept. 1.

Davis, Joseph M., Tacoma, Wash. Curtain and drape support. 2,639,041, May 19.

Davis, Kingsbury H., Bernardsville, and A. C. Norwine, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice-operated system. 2,646,465, July 21.

Davis, Leland A., Montreal, Quebec, Canada. Dishwasher with a removable and split water deflector. 2,629,392, Feb. 24.

Davis, Lewis E., Burbank, Calif. Self-contained burglar alarm unit. 2,659,333, Nov. 17.

Davis, Lincoln K., Brockton, Mass. Prestressing structural members. 2,648,895, Aug. 18.

Davis, Loraine, Milwaukee, Wis. Cushion pad. 2,626,394, Jan. 27.

Davis, Loren A., assignee: *See*—
Morgan, Carl E.

Davis, Louis, Corpus Christi, assignor of twenty-se
one-half per cent to G. W. Harris, Bay City, Tex
pump. 2,630,070, Mar. 3.

Davis, Louis, Corpus Christi, assignor of twen
and one-half per cent to G. W. Harris, Bay Ci
Double-acting pressure fluid lift pump for oi
2,630,071, Mar. 3.

Davis, Louis F., Dallas, Tex., assignor to The Atla
fining Company, Philadelphia, Pa. Electrically
gas lift valve. 2,658,460, Nov. 10.

Davis, Luther, Jr., Newton Highlands, and P. B.
deceased (by L. C. K. Carwile, executrix), Ca
assignors to Raytheon Manufacturing Company
ton, Mass. Cap for magnetostrictive core lami
2,636,998, Apr. 28.

Davis, Michael, Brooklyn, N. Y., and W. Jindela
City, assignors to Protex Products Company, Inc.
City, N. J. Travel bag. 2,626,689, Jan. 27.

Davis, Nelson L., Chicago, Ill. Plug valve for con
the flow of solids laden liquid. 2,652,175, Sept

Davis, Oliver F.: *See*—
Belitz, Hans G., and Davis.

Davis, Oliver F., Troy, and H. G. Belitz, assig
The Commonwealth Engineering Company of Oh
ton, Ohio. Method and apparatus for conti
plating irregularly shaped objects. 2,638,423.

Davis, Oliver F., Troy, and H. G. Belitz, assignors
Commonwealth Engineering Company of Ohio,
Ohio. Apparatus for plating metal objects. 2,
Aug. 25.

Davis, Orris L.: *See*—
Cheney, Harry A., Fairbairn, and Davis.

Davis, Rachel D., Kinston, N. C. Speculum. 2,
Dec. 8.

Davis, Ralph A.: *See*—
Ruh, Robert P., and Davis.

Davis, Ralph B., Prestonsburg, Ky. Multiple me
spoon. 2,654,252, Oct. 6.

Davis, Ralph E.: *See*—
Meyer, Andre J., and Davis.

Davis, Ralph P., Squantum, assignor to W
Company, Boston, Mass. Mold supporting
2,651,822, Sept. 15.

Davis, Ralph P., Squantum, assignor to Walwor
pany, Boston, Mass. Casting apparatus. 2,
Dec. 1.

Davis, Ray B., Newton Center, assignor to H.
Tractor Company, Boston, Mass. Mower attachm
tractors. 2,663,133, Dec. 22.

Davis, Raymond C., Dayton, Ohio, assignor to
Motors Corporation, Detroit, Mich. Making a
T-joint. 2,642,652, June 23.

Davis, Raymond C., and J. T. Marvin, Dayto
assignors to General Motors Corporation, Detroi
Making grommets. 2,660,759, Dec. 1.

Davis, Richard A., Miami Beach, Fla. Moistu
trolled motor system for closing automobile w
2,640,958, June 2.

Davis, Richard H.: *See*—
Tochilin, Eugene, and Davis.

Davis, Robert L.: *See*—
Neahr, William R., and Davis.

Davis, Robert L., and W. R. Van Loo, assignors to
can Seating Company, Grand Rapids, Mich. Ch
port. 2,630,158, Mar. 3.

Davis, Robert O., and N. B. Osborne, assignors to
Manufacturing Company, Adrian, Mich. Me
preventing collapse of molded concrete produc
core is withdrawn. 2,646,607, July 28.

Davis, Rooney W.: *See*—
Derringer, Pete O., and Davis.

Davis, Rooney W., Webster Groves, assignor of
to H. C. Weeman, St. Louis, Mo. Method
an apparatus for steaming, forming, finishing,
storing garment pockets. 2,642,209, June 16.

Davis, Roy A., Leesburg, Fla. Shutter construct
operator. 2,645,828, July 21.

Davis, Roy C.: *See*—
Taylor, Raymond G., Jr., McElroy, and Dav

Davis, Roy C., assignor to The Guiberson Corp
Dallas, Tex. Load suspending device. 2,631,0
10.

Davis, Samuel: *See*—
Bruns, William H., and Davis.

Davis, Samuel J., and W. W. Thomason, Brownfi
Material spreading box. 2,641,477, June 9.

Davis, Walter C., Tredyffrin Township, Chester
and W. H. Bath, West Conshohocken, Pa., assi
The Sharples Corporation. Separation of liqu
solids. 2,658,620, Nov. 10.

Davis, Walter M., Jamaica Plain, Mass., assignor
santo Chemical Company, St. Louis, Mo. Ap
for densifying dry powdered solids. 2,633,074.

Davis, Walter M., Jamaica Plain, Mass., assignor
santo Chemical Company, St. Louis, Mo. Redu
density of aerogels and similar materials. 2,
Nov. 24.

Davis, Warren G., Madisonville, Ky. Electric
2,644,958, July 14.

Davis, William H., Bala Cynwyd, assignor to Sun
pany, Philadelphia, Pa. Preparation of aromati
carbons. 2,653,175, Sept. 22.

Davis, William L., Savannah, Ga., assignor to Union Bag & Paper Corporation, New York, N. Y. Packaging press. 2,625,310, Jan. 13.

Davis, William S., Philadelphia, Pa. Awning structure. 2,639,476, May 26.

Davis, William T.: *See*—
Hawie, Wadih F., and Davis.

Davison, Alan, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Display arrangement. 2,652,514, Sept. 15.

Davison, Alan, and L. J. Allen, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Circuit arrangement including low-frequency relaxation oscillators. 2,655,560, Oct. 13.

Davison, Alan, and R. Threadgold, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Electrical signaling system. 2,658,112, Nov. 8.

Davison Chemical Corporation, The, assignee: *See*—
Goodwin, Manfred E., and Simpson.
Woppman, Joseph G.
Young, Luther O.

Davison, Edward D., Waukegan, assignor of one-half to T. Polansek, Chicago, Ill. Wire stripper. 2,659,140, Nov. 17.

Davison, Fenton M., assignee: *See*—
Skelly, James J.

Davison, Frank, assignor to Industrial Engineering Ltd., Vancouver, British Columbia, Canada. Portable tree girdling machine. 2,632,487, Mar. 24.

Davison, Gordon W., Port Colborne, Ontario, Canada. Electrical dry shaver. 2,659,139, Nov. 17.

Davison, Richard: *See*—
Barradell-Smith, Richard, and Davison.

Davison, Richard, and R. Barradell-Smith, St. Helens, assignors to Pilkington Brothers Limited, Liverpool, Lancaster County, England. Apparatus for transmitting oscillatory motion of a known frequency and suppressing superimposed oscillatory motions of other frequencies. 2,637,168, May 5.

Davison, Talto, and T. Davison, Chicago, Ill., said T. Davison assignor to said T. Davison. Outboard motor control. 2,651,278, Sept. 8.

Davison, Tuovi: *See*—
Davison, Talto, and T. Davison.

Davisson, Jacob W.: *See*—
Shull, Gilbert M., Kita, and Davisson.

Davolt, Pembroke O., Longview, Wash. Parcel tie for automobiles. 2,635,796, Apr. 21.

Davoren, William F., Huntsville, Ala. Tablet container. 2,655,259, Oct. 13.

Davy, Lee G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of quinone. 2,624,747, Jan. 6.

Dawbarn, Waring L., Winchester, assignor to Arthur D. Little, Inc., Cambridge, Mass. Controlling pressure between bells of blast furnaces. 2,658,636, Nov. 10.

Dawbarn, Waring L., Winchester, assignor to Arthur D. Little, Inc., Cambridge, Mass. Washer for blast furnace gases. 2,663,557, Dec. 22.

Dawe, Albert J., assignor to Allen-Bradley Company, Milwaukee, Wis. Self-interlocking electromagnetic reversing switch. 2,633,487, Mar. 31.

Dawe, Albert J., assignor to Allen-Bradley Company, Milwaukee, Wis. Electrical switch. 2,650,971, Sept. 1.

Dawe's Products Company, assignee: *See*—
Freed, Myer.

Dawkins, Bernard W., Southport, England. Straight beam clamping and like means with adjustable and interchangeable pads. 2,639,745, May 26.

Dawson, Edward, New York, N. Y., assignor to The Sperry Corporation. Multiplying mechanism. 2,624,506, Jan. 6.

Dawson, Edward A., Greenwich, Conn. Rotary sliding vane pump. 2,631,546, Mar. 17.

Dawson, Harry: *See*—
Walsh, John, and Dawson.

Dawson, John H., assignor of one-half of H. C. McCabe, Rockville, Md. Airplane toy. 2,658,753, Nov. 10.

Dawson, John R., Sr., Hampton, Va. Buoyant aircraft with hydroskis. 2,646,235, July 21.

Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Vulcanizing. 2,626,430, Jan. 27.

Dawson, John W., Newton, F. A. Gross, Weston, and T. A. O. Gross, South Lincoln, assignors to Raytheon Manufacturing Company, Newton, Mass. Magnetron control circuits. 2,648,772, Aug. 11.

Dawson, Lewis J., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Device for preventing clogging in centrifugal pumps. 2,644,403, July 7.

Dawson, Orlie W., Ferndale, Mich. Tool having handle movable at right angles and dovetailed lock. 2,635,660, Apr. 21.

Dawson, Robert A. J., Houston, Tex. Tool carriage ring for pipe cleaning machines. 2,635,270, Apr. 21.

Dawson, Robert A. J., Houston, Tex. Deep water submersible barge. 2,653,452, Sept. 29.

Dawson, Robert A. J., Houston, Tex. Rowel type pipe cleaning tool. 2,657,409, Nov. 3.

Dawson, William O., East Paterson, and L. Sellet, Saddle River, N. J., assignors to Jacques Wolf & Co. Formaldehyde-dicyandiamine resins and the treatment of leather therewith. 2,637,622, May 5.

Daxelhofer, Jean P., Zurich, Switzerland. Apparatus for congelation of ground. 2,645,093, July 14.

Day, Carl L., and J. E. Freeze, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling head having overflow valve check means. 2,663,483, Dec. 22.

Day, Clarence P., assignor to The Parker Appliance Company, Cleveland, Ohio. Closure cap for tube fittings. 2,625,955, Jan. 20.

Day Company, The, assignee: *See*—
Osgood, Arthur B., and Swanson.

Day, Dewey D., assignor to The Murray Company of Texas, Inc., Dallas, Tex. Cotton gin. 2,658,239, Nov. 10.

Day, Emily N., Portland, Oreg. Breast pad holding garment. 2,661,470, Dec. 8.

Day, George W., Glen Ellyn, assignor to Borg-Warner Corporation, Chicago, Ill. Storm window. 2,654,128, Oct. 6.

Day, Harl S.: *See*—
Norquist, Victor C., and Day.

Day, J. H., Company, The, assignee: *See*—
Baechle, Walter.
Rechtin, Clarence R.
Rechtin, Clarence R., and Bruestle.

Day, Kenney M., Nevada City, Calif. Hardness tester. 2,628,495, Feb. 17.

Day, Lamar L., assignee: *See*—
Day, Leslie.

Day, Leslie, Chicago, Ill., assignor of one-half to L. L. Day, St. George, Staten Island, N. Y. Electrical control system for overheated bearings on trains. 2,629,047, Feb. 17.

Day & Night Manufacturing Company, assignee: *See*—
Cartter, William G., and Ewell.

Day, William P., Cleveland Heights, Ohio. Apparatus for road construction. 2,633,781, Apr. 7.

Day-Brite Lighting, Inc., assignee: *See*—
Biller, David J.

Dayless Mfg. Co., Inc., assignee: *See*—
Hoffman, Leslie B.

Daynie, Elie: *See*—
Bassot, André, Daynié, and de Sancy.

Daystrom Incorporated, assignee: *See*—
Falconer, Robert W.
Roensch, Burns, and Brown.
Royston, Marvin F.

Dayton Aircraft Products, Inc., assignee: *See*—
Matson, William U., and Barrett.
Sullivan, Mary R., and Houk.

Dayton, Benjamin B., assignor to Eastman Kodak Company, Rochester, N. Y. High vacuum diffusion pump. 2,639,086, May 19.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Drive mechanism for washing machines and the like. 2,629,469, Feb. 24.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Drive mechanism for clothes washing machines and the like. 2,645,110, July 14.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Cover construction for worktables. 2,646,328, July 21.

Dayton Embossed Products Corporation, assignee: *See*—
Coppock, Franklin E.

Dayton, Herbert P.: *See*—
McCulley, John H., and Dayton.

Dayton Malleable Iron Company, The, assignee: *See*—
Crome, Lester C.

Dayton Pump and Manufacturing Company, The, assignee: *See*—
Bergh, Charles J.
Wolfe, H. Hix.
Wolfe, H. Hix, and Haas.

Dayton Rubber Company, The, assignee: *See*—
Freelander, Abraham L.
Freedlander, Abraham L., and Bacon.
Huber, Walter E.
Lomazzo, Edmund J., and Maquat.
Rockoff, Joseph.
Waugh, Dale L.

Dayton, Russell W., Columbus, Ohio, assignor, by mesne assignments, to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Safety valve. 2,628,632, Feb. 17.

Dayton, Russell W., Columbus, Ohio, assignor, by mesne assignments, to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Spring loaded pop-safety valve. 2,643,671, June 30.

Dayton Taximeter Co., The, assignee: *See*—
Miller, Ralph A.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl halides. 2,630,418, Mar. 3.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Addition products. 2,630,441, Mar. 3.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with dialkyl esters of biphenyl dicarboxylic acid. 2,634,248, Apr. 7.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. 2-hydroxyethyl 2-phenylethyl sulfide as a fungicide. 2,642,373, June 16.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Morpholine derivatives. 2,644,819, July 7.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Resinous composition comprising a vinyl chloride polymer and a benzothiazylmercaptoacetic acid ester as a plasticizer. 2,647,877, Aug. 4.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with addition products of esters. 2,653,948, Sept. 29.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with cyanoethyl ethers of S-(2-arylethyl)-2-mercaptoethanols. 2,658,047, Nov. 3.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing adducts. 2,661,359, Dec. 1.

Dazzi, Joachim, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 2-(2-ethylhexyloxy) ethyl N-butyl phthalate and preparing same. 2,661,367, Dec. 1.

D'Azzo, Errol P., New York, N. Y. Means for securing awning fabric to awning rollers. 2,650,662, Sept. 1.

De Directie van de Staatsmijnen, assignee: *See*—
Driessen, Maximiliaan G.

De Directie van de Staatsmijnen in Limburg, assignee: *See*—
Fontein, Freerk J.
Visman, Jan.

De Directie van de Staatsmijnen in Limburg, handelend voor en namens de Staat der Nederlanden, assignee: *See*—
Goedkoop, Martinus L.

De Nederlandsche Centrale Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek, assignee: *See*—
Aten, Adriaan H. W., and Wiechers.

De Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten Behoeve van de Voeding, assignee: *See*—

De Nederlandsche Organisatie Voor Toegepast-Natuur-Wetenschappelijk Onderzoek Ten Behoeve Van Nijverheid, Handel en Verkeer, assignee: *See*—
Selling, Hendrik J.

Deaderick, James: *See*—
Thurnauer, Hans, and Deaderick.

Deahl, Thomas J., Orinda, F. H. Stross, and M. D. Taylor, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Resolution of mixtures comprising N-methylaniline and N,N-dimethylaniline. 2,651,606, Sept. 8.

Deakin, Alfred, Detroit, Mich. Height gauge. 2,626,463, Jan. 27.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Homing arrangement for selector switches. 2,624,807, Jan. 6.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Alternating current-direct current pulsing circuits for register senders. 2,636,946, Apr. 28.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay armature mounting and biasing. 2,641,665, June 9.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Multipotential type register controller. 2,654,000, Sept. 29.

Deal, Carl H., Jr.: *See*—
Nixon, Alan C., and Deal.

Deal, Raymond L., Hudson, Wis. Automatic fish set. 2,654,338, Oct. 6.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Roof construction for passenger-type railway cars. 2,625,890, Jan. 20.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Closure, particularly closures for sand boxes of vehicles. 2,627,958, Feb. 10.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Gallery construction for double-deck railway cars. 2,636,453, Apr. 28.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Railway car end buffer arrangement. 2,636,621, Apr. 28.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Resilient mounting for a plurality of machines. 2,637,278, May 5.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. End underframe weldment for railway cars of the passenger train type. 2,646,009, July 21.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Engine mounting means, especially means for mounting engines beneath railway passenger cars. 2,650,548, Sept. 1.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Rack for refrigerator car floors and similar purposes. 2,661,705, Dec. 8.

Dean, Charles W., assignor to Buckman Laboratories, Inc., Memphis, Tenn. Slime measuring unit. 2,660,884, Dec. 1.

Dean, Charlie, Charlotte, N. C. Hose nozzle support. 2,652,218, Sept. 15.

Dean, Fay W., Boonville, N. Y. Underground fireproof vault. 2,629,349, Feb. 24.

Dean, Fred, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Color from esters. 2,647,868, Aug. 4.

Dean, George A., Radburn, N. J. Knockdown lined container. 2,648,454, Aug. 11.

Dean, Gilbert O., Little Rock, Ark. Toilet kit. 2,[illegible] Apr. 21.

Dean, Maurice R., and D. R. de Boisblanc, Bartlesville, Okla., assignors to Phillips Petroleum Company. Liquid level measuring apparatus. 2,660,059, Nov. [illegible]

Dean, Paul E., Spartanburg, assignor of one-half to Lokey, Gaffney, S. C. Shuttle filling guide and [illegible] ing device. 2,625,960, Jan. 20.

Dean, Reeve W., East Aurora, assignor to Machine & Tool Works, Buffalo, N. Y. Machine [illegible] means. 2,639,796, May 26.

Dean, Reginald S., assignee: *See*—
Fox, Abraham L.
Suggs, Alfred M., and Dean.

Dean, Reginald S., Washington, D. C. Making formed articles. 2,646,396, July 21.

Dean, Walter, Hempstead, assignor to The Sperry Corporation, Great Neck, N. Y. Nonambiguous matching system. 2,647,257, July 28.

Dean, Walter B., Paris, France, assignor to The Budd Company, Philadelphia, Pa. Track-across-track [illegible] 2,631,547, Mar. 17.

Dean, Walter B., Paris, France, and D. L. Bu[illegible] Whitemarsh, assignor to The Budd Company, Philadelphia, Pa. Vehicle travel control means. 2,[illegible] Aug. 4.

Dean, Walter N.: *See*—
Johnstone, Charles W., Dean, and Mautner.

Dean, William H., assignee: *See*—
Smith, Robert L.

Dean, William W. H., Pointe Claire, Quebec, assignor to Radio Corporation of America. Peak indicator. 2,624,789, Jan. 6.

De Andrade Só, Hugo, Sao Paulo, Brazil. Gas [illegible] for stoves and the like. 2,643,943, June 30.

Deane, Charles W.: *See*—
Ledgett, Lowell A., Deane, and Mahoney.

De Anguera, Eva, assignee: *See*—
De Anguera, Philip.

De Anguera, Philip, Cincinnati, Ohio. Tie [illegible] machine and method. 2,636,525, Apr. 28.

De Anguera, Philip, assignor to Eva de Angue[illegible] cinnati, Ohio. Structural wood unit. 2,[illegible] Sept. 1.

De Anguera, Philip, Cincinnati, assignor to Gra[illegible] Dowel Service Company, Columbus, Ohio. Ma[illegible] cutting defective sections from lumber. 2,652,8[illegible] 22.

De Ano, John F., Melrose Park, Ill., assignor [illegible] Rauland Corporation. Sealing apparatus. 2[illegible] Oct. 27.

De Ano, John F., Melrose Park, Ill., assignor to [illegible] land Corporation. Image-reproducing device. 2[illegible] Nov. 8.

Deans, Sidney A. V.: *See*—
Hald, Jens G., Gad, and Deans.

Deans, Sidney A. V., Rosemount, Quebec, ass[illegible] Ayerst, McKenna & Harrison, Limited, St. [illegible] Quebec, Canada. Injection apparatus. 2,653,6[illegible] 29.

De Anthony, Robert P., Dayton, Ohio. Battery [illegible] 2,663,862, Dec. 22.

Dearborn Chemical Company, assignee: *See*—
Denman, Wayne L.
Gunderson, Lewis O.

Dearborn Motors Corporation, assignee: *See*—
Altgelt, Rudolph J.
Barna, Joseph A.
Bartling, Loren E.
Boll, John H., and Raught.
De Brabant, Hector M.
Frevik, Ralph C.
Garmager, Curt H.
Gladis, Cyril W.
Hanswirth, Vernon O.
Kincaide, Merrill C.
Lock, Douglas S., and Wilson.
McNally, Harold T.
Miller, Raymond J.
Peterson, Earl W.
Raught, Arthur V.
Rhoten, Carey M.
Richey, Clarence B.
Sawyer, Fredrick D.
Spedding, Raymond T.
Wechsler, Herman.
Wilson, Raymond W.

Deardorff, Clinton E., San Fernando, Calif., as[illegible] Bendix Aviation Corporation, South Bend, In[illegible] equalizer valve. 2,628,629, Feb. 17.

Deardorff, Clinton E., San Fernando, Calif., as[illegible] Bendix Aviation Corporation, South Bend, In[illegible] matic air bleed valve. 2,635,620, Apr. 21.

Deardorff, Clinton E., San Fernando, Calif., as[illegible] Bendix Aviation Corporation, South Bend, In[illegible] locking adjustable rod collar. 2,642,299, June[illegible]

Deardorff, Clinton E., San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Compound master cylinder unit for hydraulic systems. 2,642,720, June 23.

Deardorff, Clinton E., San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Bypass valve for hydraulic motors. 2,646,025, July 21.

Deardorff, Clinton E., San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure-responsive mechanism. 2,649,115, Aug. 18.

Deardorff, Clinton E., San Fernando, and J. B. Gunn, Van Nuys, assignors to Bendix Aviation Corporation, North Hollywood, Calif. Locking valve for hydraulic motors. 2,648,846, Aug. 11.

Deardorff, Clinton E., San Fernando, and J. B. Gunn, North Hollywood, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Explosion-energized source of hydraulic pressure fluid. 2,652,781, Sept. 22.

Dearing, Edmund R., Homewood, Ala., assignor to United States Steel Corporation. Baffle type silencer with a buffer chamber. 2,642,147, June 16.

Dearing Tool & Manufacturing Co., The, assignee: *See*—
Ackland, Edward B.

De Armas, Justo A., Habana, Cuba. Paint straining and brush cleaning device. 2,625,270, Jan. 13.

De Armas, Justo A., Havana, Cuba. Lens drilling machine. 2,657,596, Nov. 3.

Deatherage, William N., assignee: *See*—
Simons, Lowell W.

Deaton, William M., Amarillo, Tex., assignor to the United States of America as represented by the Secretary of Interior. Moisture content recorder for gases under pressure. 2,629,253, Feb. 24.

Deatrick, Arthur H., and A. J. Kish, Miami, Fla. Metering appliance with automatic solution shutoff device. 2,656,849, Oct. 27.

De Back, William: *See*—
Krueger, Frank W., and de Back.

De Back, William, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Nonagitating can handling apparatus. 2,629,482, Feb. 24.

De Back, William, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Rotary steam peeling machine. 2,638,137, May 12.

De Back, William, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Butt drive mechanism for pear peeling machines. 2,660,209, Nov. 24.

De Back, William, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Container filling machine. 2,663,480, Dec. 22.

Debaisieux, Alexandre: *See*—
Steichen, Ferdinand, and Debaisieux.

Debay, George C., Woodland Hills, Calif. Setter for bowling pins. 2,634,980, Apr. 14.

De Bay, Lucien L. C., Brussels, assignor to Les Glaceries De La Sambre, Societe Anonyme, Auvelais, Belgium. Process and machine for surfacing glass. 2,637,949, May 12.

De Becze, George I., Cincinnati, Ohio, assignor to Schenley Industries, Inc. Biosynthesized feed and making the same. 2,626,868, Jan. 27.

De Becze, George I., Cincinnati, Ohio, assignor to Schenley Industries, Inc. Making biosynthesized product. 2,636,823, Apr. 28.

De Bell, George W., Stamford, Conn. Making hollow plastic articles. 2,659,107, Nov. 17.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Sulfated N-hydrocarbon-substituted-d-hydroxycarboxylic amides. 2,632,766, Mar. 24.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. N-hydroxyalkyl-2-ketopiperazines. 2,633,467, Mar. 31.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. 4-N-substituted-2-ketopiperazines. 2,653,153, Sept. 22.

De Benneville, Peter L., Philadelphia, Pa., N. H. Leake, Bristol, Tenn., and L. H. Bock, Shelton, Wash., assignors to Rohm & Haas Company, Philadelphia, Pa. Alkylbenzylthiuronium salts. 2,640,079, May 26.

De Benneville, Peter L., Philadelphia, and V. C. Meunier, Flourtown, assignors to Rohm & Haas Company, Philadelphia, Pa. Condensation products of bis-aminotriazines. 2,653,143, Sept. 22.

De Beukelaer, Frank L.: *See*—
Young, Harland H., and De Beukelaer.

De Beurs, Pieter H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement comprising a cathode-ray tube. 2,644,909, July 7.

De Blieux, John D., Jacksonville, Fla. Bed cushion for automobiles. 2,648,072, Aug. 11.

De Boisblanc, Deslonde R.: *See*—
Dean, Maurice R., and de Boisblanc.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter calibrator. 2,629,053, Feb. 17.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Detonation meter. 2,633,738, Apr. 7.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Magnetic flowmeter. 2,637,207, May 5.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pressure balance indicator. 2,645,949, July 21.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Vacuum tube voltmeter. 2,658,180, Nov. 3.

De Boisblanc, Deslonde R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Noise suppression device. 2,663,765, Dec. 22.

De Boisblanc, Deslonde R., and R. S. Marsden, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Apparatus for producing a power function of an input voltage. 2,643,348, June 23.

De Boo, Jerome L., assignor to Teletype Corporation, Chicago, Ill. Floatingly mounted perforating apparatus. 2,648,385, Aug. 11.

De Boo, Jerome L., Chicago, and C. W. Swan, Skokie, assignors to Teletype Corporation, Chicago, Ill. Clutch. 2,624,434, Jan. 6.

De Bord, Harry, Winterset, Iowa. Spare tire holder. 2,645,394, July 14.

De Boy, Marvin F., Buffalo, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Cathode-ray tube support. 2,663,011, Dec. 15.

De Brabant, Hector M., Royal Oak, assignor to Dearborn Motors Corporation, Birmingham, Mich. Fabricating plow moldboards. 2,662,268, Dec. 15.

Debray, Henri: *See*—
Génin, Henri, and Debray.

Debrie, André V. L. C., Paris, France. Film magazine. 2,644,646, July 7.

Debrie, André V. L. C., Paris, France. Vertically adjustable supporting device. 2,655,334, Oct. 13.

Debrie, André V. L. C., Paris, France. Exposure and film-feeding control device for photographic cameras. 2,664,037, Dec. 29.

De Brouwer, Walter W., Modesto, Calif. Photographic easel. 2,633,058, Mar. 31.

De Bruyne, Anton L., Clinton, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuity, polarity, and breakdown test device. 2,628,999, Feb. 17.

Debs, Victor, Ridgewood, N. Y. Curve scriber. 2,650,429, Sept. 1.

Debs, Victor S., New York, N. Y. Multiple precision instrument and tool. 2,658,278, Nov. 10.

De Burgh, Albert R., Redondo Beach, Calif. Conveyer system. 2,640,580, June 2.

De Burgh, Albert R., Redondo Beach, Calif. Multiple cycle conveyer. 2,640,607, June 2.

De Burgh, Albert R., Redondo Beach, Calif. Conveyer system. 2,642,176, June 16.

Decatur Pump Company, assignee: *See*—
Burks, Arthur W.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

Deck, Philibert, Zurich, Switzerland. Control device for printing rollers in printing machines. 2,638,048, May 12.

Deckel, Friedrich W., assignee: *See*—
Gebele, Kurt.
Zwick, Kurt.

Deckel, Hans, assignee: *See*—
Gebele, Kurt.
Zwick, Kurt.

Decker, Clinton W., Pullman, Wash. Manufacture of frozen comestibles. 2,641,546, June 9.

Decker, Howard W., Batesville, Ind. Resilient reservoir with applicator closure. 2,643,408, June 30.

Decker, Jacob: *See*—
Kirby, Roy G., Morgan, and Decker.

Decker, Jacob, and B. A. Kearns, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Precision grinding machine. 2,641,876, June 16.

Decker, Moses O., Cleveland, Ohio. Fountain comb. 2,645,231, July 14.

Decker, Roy L., assignor of one-half to C. G. Smith, Seattle, Wash. Vacuum storage unit for ground coffee. 2,662,664, Dec. 15.

Decker, Verl C., Louisville, Ky., assignor to Metal Products Corporation, Miami, Fla. Storm window. 2,631,340, Mar. 17.

Decky Enterprises, Inc., assignee: *See*—
Calleo, John J.

De Cola, Rinaldo E., Park Ridge, assignor to Hazeltine Research, Inc., Chicago, Ill. Periodic-wave generator. 2,651,002, Sept. 1.

De Cola, Rinaldo E., Park Ridge, assignor to Hazeltine Research, Inc., Chicago, Ill. Energy-supply system. 2,658,163, Nov. 3.

De Conti, Maurice P., New Britain, Conn. Rotatable antenna for televisions. 2,642,754, June 23.

Decorated Metal Manufacturing Company, Inc., assignee: *See*—
Atwood, George D.
Atwood, Rawson.

Decorative Novelty Co., Inc., assignee: *See*—
Seewald, Monte.

Decorola Corporation, assignee: *See*—
Sprung Abraham.

De Coursey, Everson M., Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Clutch with over center spring levers. 2,626,032, Jan. 20.

De Craene, Edmond P.: *See*—
Cantalupo, Francis J., De Craene, Schmidt, Yant and Setka.
Magos, John P., Schmidt, and De Craene.

De Croes, George C.: *See*—
Bell, Alan, and De Croes.

Dedek, Frank G., assignor to Burroughs Corporation, Detroit, Mich. Photorecording means.. 2,652,754, Sept. 22.

Dedo, Homer H., Merced, Calif. Lumber receiving table for double-ended tenoner. 2,638,135, May 12.

Dedo, Homer H., Merced, Calif. Finger jointing press unit. 2,645,257, July 14.

Dedo, Homer H., Merced, Calif. Length-assorting and conveying apparatus for lumber after deknotting operations. 2,662,640, Dec. 15.

Dedoes, Arnold A., Berkley, Mich. Door latch. 2,657,085, Oct. 27.

Dee, Harley V., assignee: *See*—
Giorgi, Adelmo.

Dee, Leo H., Schenectady, N. Y., assignor to General Electric Company. Electronic motor control system. 2,656,500, Oct. 20.

Deem, Clark O.: *See*—
Trickett, Lawrence G., Jr., and Deem.

Deere & Company, assignee: *See*—
Altgelt, Herman E.
Andrews, Norman F.
Bohmker, Thomas W.
Borst, Walter J.
Bozeman, Virgil F., Sr.
Brown, Theophilus.
Brown, Theophilus, and Ickes.
Cook, Curtiss L., Young, and Edman.
Dort, Russell L.
Edwards, Curtis V.
Heinje, Robert F.
Johnson, Theodore W.
Lance, Orville P.
Lindeman, Jesse G.
Lindeman, Jesse G., and Edwards.
Morrison, Charles S.
Neighbour, Leonard B.
Neighbour, Leonard B., and Lance.
Newmaster, Walter H.
Oehler, William P.
Oehler, William P., and Youngberg.
Oerman, Orey W.
Ohlendorf, Emil F.
Paradise, Louis A.
Pasturczak, Stanley F.
Paul, Talbert W.
Pilcher, Harold W.
Roscoe, Merrill W.
Roscoe, Merrill W., and Beldin.
Scholfield, Keith R.
Silver, Walter H.
Silver, Walter H., and Cantral.
Silver, Walter H., and Cox.
Silver, Walter H., and Lohrman.
Walz, Claude W., and Clark.
Walz, Claude W., and Clausen.
Walz, Claude W., and Griff.
White, Charles H., and Oehler.
Young, Austin E.
Youngs, Alfred B.

Deere, John, Van Brunt Company, assignee: *See*—
Starr, John H.

Deere Manufacturing Co., assignee: *See*—
Blair, Cecil L., and Fox.
Grosvenor, Dale D.
Heinje, Robert F.
Hill, George B.
Jirsa, Emil F.
McClellan, Marcus E.
Newmaster, Walter H.
Orrick, Harry C., Jr.
Ross, James S.
Thomann, Fred A.
Zollars, Richard V., Lawson, and Berry.

Deering, Milliken & Co., Inc., assignee: *See*—
Rand, Henry J.

Deering Milliken Research Trust, assignee: *See*—
Anderson, Wilmer C.
Brink, Robert M.
May, John W.
Hare, Donald G. C.
Ingham, Robert M., Jr.
Janes, John R.
Klein, Norman E.
Savadelis, Ignatius C.
Smith, Philip N.
Strother, Fred P.

De Faymoreau, Etienne C.: *See*—
Clavier, André G., and de Faymoreau.

De Felice, Domenic: *See*—
Dykstra, Kenneth G., and De Felice.

De Feo, Angelo: *See*—
Ackerman, Edward, De Feo, and Francisco.

Deffenbaugh, John L., assignor to Caterpillar Tractor Co., Peoria, Ill. Wheel structure. 2,647,025, July 28.

Definance Metal Weatherstrip Company, assignee: *See*—
Haas, Glenn B.

De Florez Company, Inc., The, assignee: *See*—
Bruckmann, Paul M. W.
De Florez, Luis, Gore, and Bach.
De Florez, Luis, and Linderman.
De Florez, Peter, and Cashin.

De Florez, Luis, Pomfret, Conn., and G. B. Linderman, Jr., Washington, D. C., assignors, by mesne assignments, to The de Florez Company, Inc. Apparatus for applying jackets to books. 2,640,207, June 2.

De Florez, Luis, Pomfret, Conn., O. L. Gore, Douglaston, and E. Bach, Scarborough, N. Y., assignors, by mesne assignments, to The de Florez Company, Inc. Method and apparatus for building in the cases of books. 2,640,208, June 2.

De Florez, Peter, Oyster Bay, and F. J. Cashin, East Williston, assignors, by mesne assignments, to The De Florez Company, Inc. Incremental sanding apparatus for trimming book blocks. 2,651,150, Sept. 8.

De Forest, Taber, Northbrook, and H. N. Staats, Des Plaines, assignors to Magnaflux Corporation, Chicago, Ill. Detecting cracks in porous surfaces. 2,635,329, Apr. 21.

De Forest, Taber, Northbrook, and H. N. Staats, Des Plaines, assignors to Magnaflux Corporation, Chicago, Ill. Detecting cracks in porous surfaces. 2,636,127, Apr. 21.

Defourny, Noël, Herstal-lez-Liege, Belgium. Single trigger mechanism for double-barreled shotguns. 2,632,972, Mar. 31.

De France, Henri, and R. Bocquel, assignors to Society: "Tele-Industrie," S. A. R. L., Paris, France. Television recording. 2,638,498, May 12.

De France, Henri G., assignor to La Radio Industrie S. A., Paris, France. Communication system between two stations linked by television. 2,637,022, Apr. 28.

De France, Henri G., assignor to Society "La Radio-Industrie," S. A., Paris, France. System for the electromagnetic spotting of movable targets. 2,644,940, July 7.

De Gaal, Abris, Manhasset, N. Y. Leaf storage and supplemental apron for center extension tables. 2,631,075, Mar. 10.

De Garmo, Ernest P., assignor to The Regents of the University of California, Berkeley, Calif. Lemon clipper. 2,632,245, Mar. 24.

De Garmo, Oliver, St. Louis, and F. B. Zienty, Brentwood, assignors to Monsanto Chemical Company, St. Louis, Mo. 2,2,3,3,-tetrahalo-1,4-butanediol-dibenzoates. 2,648,702, Aug. 11.

De Garmo, Oliver, St. Louis, and D. B. Guthrie, Glendale, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of alpha-acetamido-beta-hydroxypropiophenones. 2,655,536, Oct. 13.

De Gasero, Charles, New Hyde Park, N. Y. Single reed cell block. 2,662,440, Dec. 15.

De Gear, Edward W.: *See*—
Livacich, John T., and De Gear.

De Gelder, Arthur L.: *See*—
Fontein, Freerk J., and de Gelder.

Degen, Alexander A. C., Harrow, England. Printing device in autographic register. 2,632,385, Mar. 24.

Degen, Wilhelm, Frankfurt am Main, Germany. Shaking device, especially internal shaker for compacting loose masses. 2,656,161, Oct. 20.

Degen, Wilhelm, Frankfurt am Main, Germany. Shaking device for layer and loose materials. 2,662,750, Dec. 15.

Degener, Richard K., Grosse Pointe Woods, assignors to American Metal Products Company, Detroit, Mich. Storage rack. 2,654,487, Oct. 6.

De Gier, Johannes, and J. Peper, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Forming a smooth surface on a substratum. 2,642,365, June 16.

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Indicating instrument with geared pointer and pointer stop therefor. 2,640,456, June 2.

Degnan, Leth L., and T. P. Buckman, Minneapolis, Minn. Reverse traverse drapery support. 2,627,915, Feb. 10.

Degnen, William J., Westfield, and W. B. Johnson, Far Hills, assignors to The M. W. Kellogg Company, Jersey City, N. J. Means for handling powdered solids. 2,630,352, Mar. 3.

Degnon, Julia S., Jamaica, N. Y. Headdress. 2,624,884, Jan. 13.

De Gonzalez, Carmen A., Caracas, Venezuela. Shoe polishing apparatus. 2,660,749, Dec. 1.

De Graff, James L., Jr., North Attleboro, Mass., assignor to Swank, Inc. Key ring hanger. 2,634,470, Apr. 14.

De Grandis, Joseph M., Macon, Ga. Waterproof plastic covered bust pad. 2,627,606, Feb. 10.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del. Certain oxyalkylated derivatives of fusible resins. 2,629,704, Feb. 24.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del. Certain oxyalkylated derivatives of fusible resins. 2,629,705, Feb. 24.

De Groote, Melvin, St. Louis, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Wilmington, Del. Certain oxyalkylated derivatives of fusible resins. 2,629,706, Feb. 24.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,901, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,902, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,903, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,904, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,905, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,906, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,907, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,908, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,909, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,910, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,911, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,912, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,913, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,914, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,915, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,916, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,917, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,918, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,919, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,920, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,921, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,922, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,923, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,924, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,925, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,926, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,927, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,928, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Breaking petroleum emulsions. 2,626,929, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Acidic fractional ester of a polycarboxylic acid with oxypropylated glucose. 2,626,935, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Oxypropylated allyl starch. 2,626,937, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Acidic fractional ester of a polycarboxylic acid with oxypropylated allyl starch. 2,626,938, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Mixtures of oxyalkylated alkyl phenol-aldehyde resins. 2,626,942, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Esters of polycarboxylic acids and oxypropylated 2,2'-methylenebis (4-methyl-6-tert-butylphenol). 2,626,958, Jan. 27.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Oxypropylated polyamide-polycarboxylic acid reaction product. 2,652,388, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Certain oxyalkylated derivatives of sucrose. 2,652,394, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Fractional esters of polyoxyalkylated furfurylamine. 2,652,407, Sept. 15.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Wilmington, Del. Oxyalkylation of the amides of secondary amines. 2,652,409, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Acidic esters of oxyalkylated tetramethyloicyclohexanol. 2,652,418, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Fractional esters of polyoxyalkylated p, p'-dihydroxydiphenyl - dimethyl - methane. 2,652,419, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Fractional esters of oxypropylated 4,4'-dihydroxydiphenyl sulfone. 2,652,420, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Fractional esters of polyoxyalkylated glyceryl ethers. 2,652,421, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Fractional esters of polyoxyalkylated glycerol ethers. 2,652,422, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Fractional esters of polyoxyalkylated glyceryl ethers. 2,652,423, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Acid fractional esters of oxypropylated hexanetriol-1,2,6. 2,652,424, Sept. 15.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation. Oxypropylated fractional esters of polycarboxylic acids. 2,652,425, Sept. 15.
De Haas, Max: *See*—
Wilhelm, Walter F., and De Haas.
De Haas, Max, Dayton, Ohio, assignor to The Monarch Machine Tool Company. Tailstock spindle clamping device. 2,636,579, Apr. 28.
De Hart, Daniel N., Kingsford, assignor of one-half to R. A. Kesler, Iron Mountain, Mich. Dump truck body return attachment. 2,631,888, Mar. 17.
De Hart, Edward S.: *See*—
Errig, William F., and De Hart.
De Haven, Robert H., assignor to Little Rock Basket Company, Little Rock, Ark. Manufacturing lined baskets. 2,653,639, Sept. 29.
De Havilland Aircraft Company Limited, The, assignee: *See*—
Halford, Frank B., and Moult.
De Havilland Engine Company Limited, The, assignee: *See*—
Halford, Frank B., and Cleaver.
Halford, Frank B., Cleaver, and Dove.
Dehmel, Richard C., Short Hills, N. J. Aircraft training apparatus with vertical air-speed indication and control. 2,628,434, Feb. 17.
Dehmel, Richard C., Short Hills, N. J. Apparatus for simulating radio navigation aids. Re. 23,627, Mar. 10.
Dehmel, Richard C., Short Hills, N. J. Simulated radio signal apparatus. 2,660,720, Nov. 24.
Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane cab. 2,629,500, Feb. 24.
Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane cab. 2,646,892, July 28
De Hoffmann, Felix, Buenos Aires, Argentina. Penholder. 2,659,482, Nov. 17.
Deibel, Raymond, East Aurora, assignor to Trico Products Corporation, Buffalo, N. Y. Liquid applying windshield cleaner. 2,632,911, Mar. 31.
Deich, Jerome: *See*—
Farkas, Martin D., and Deich.
Deichmann, Walter: *See*—
Gilbert, Herman W., and Deichmann.
Deissner, Douglas D., Spokane, Wash. Foldable wheel chair and steerable wheel attachment therefor. 2,649,309, Aug. 18.
De Jager, Frank: *See*—
Schouten, Jan F., and de Jager.
Schouten, Jan F., de Jager, and Greefkes.
De Jager, Frank, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric circuit-arrangement. 2,647,208, July 28.
De Jarnett, Frank D., Long Beach, assignor of one-half to P. A. Medearis, Torrance, Calif. Well pipe handling equipment. 2,643,005, June 23.
De Jen, Jean, Fairfield, Conn. Collapsible display and lecture stand. 2,638,300, May 12.
De Jouette, Marthe, Toulon, France. Motor-cultivator with trailing implement and operator seat. 2,659,287, Nov. 17.

De Juhasz, Kalman J., State College, Pa., assignor to The Texas Company, New York, N. Y. Fuel injection nozzle. 2,627,254, Feb. 3.
Dejur-Amsco Corporation, assignee: *See*—
Lindsay, Kenneth W., and Drewitz.
De Kadt, Jacques: *See*—
De Kadt, Maurits and J.
De Kadt, Maurits and J., assignors to Briam Industrial Corporation, New York, N. Y. Carpet sweeper. 2,625,698, Jan. 20.
De Kam, William G., assignor to Kent-Moore Organization, Inc., Detroit, Mich. Flywheel turning tool. 2,658,417, Nov. 10.
De Kam, William G., assignor to Kent-Moore Organization, Inc., Detroit, Mich. Internal wrench with fastener retention means. 2,660,080, Nov. 24.
De Kolb, Eric, assignor to Gourielli, Inc., New York, N. Y. Perfume applicator. 2,631,317, Mar. 17.
De Koning, Edwin W., Portland, Oreg. Trimmer saw. 2,661,778, Dec. 8.
Delacoste, Claude, Paris, and Y. Cornic, Asnieres, France, assignors, by mesne assignments, to Vinl-Cast, Inc., Akron, Ohio. Making hollow plastic articles. 2,624,072, Jan. 6.
De Lacotte, Robert H., and E. Teissier, Paris, France, assignors to Societe de Constructions Mecanique de Stains. Apparatus for converting tow to top. 2,635,295, Apr. 21.
Delafosse, Georges, Courbevoie, France. Binding means for containers. 2,654,926, Oct. 13.
De Lagabbe, Edmond, Paris, France. Variable pitch screw propeller. 2,648,390, Aug. 11.
Delagrange, Carl R.: *See*—
Johnson, Elmer L., and Delagrange.
De la Llana, Isaac P., Santurce, Puerto Rico, assignor to San Miguel & Compania, Inc. High-clearance crawler tractor. 2,651,378, Sept. 8.
Delamarre, Emile J., Neuilly-sur-Seine, and R. L. Bréjoux, Paris, France. Apparatus for the stabilization of ivory. 2,660,723, Dec. 1.
De La Mater, George B.: *See*—
Homeyer, August H., and De La Mater.
Delamere & Williams Company, Limited, assignee: *See*—
Williams, Victor G.
De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Heating plant. 2,642,850, June 23.
De Lancey, Ralph W., Yalesville, assignor to The Miller Company, Meriden, Conn. Firing head assembly for fuel burners. 2,663,365, Dec. 22.
De Lancey, Warren H., and E. E. Vincent, Springfield, Mass., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Variable capacity pump with dual discharge means. 2,651,994, Sept. 15.
De Lancey, Warren H., Springfield, Mass., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Adjustable variable displacement pump. 2,635,551, Apr. 21.
De Lancey, Warren H., and E. E. Vincent, Springfield, Mass., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Reversible variable capacity fluid pump. 2,628,567, Feb. 17.
Deland, Paul, Montreal, Quebec, Canada. Vending machine. 2,647,029, July 28.
Delaney, John E., Rhinebeck, assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Dial indicator gauge. 2,660,798, Dec. 1.
De Lange, Hendrik, Dz., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radar equipment. 2,654,083, Sept. 29.
De Langen, Lambertus H., Delft, Netherlands. Apparatus for imparting a vibrating movement to objects or matters. 2,663,554, Dec. 22.
Delano, James K., Rye, N. Y. Spark plug. 2,632,132, Mar. 17.
De Lano, Walter W., assignor to The Hamilton Tool Company, Hamilton, Ohio. Means for varying the circumference of printing cylinders. 2,659,306, Nov. 17.
Delany, John J., and E. C. Baisel, assignors to Delany Realty Corporation, New York, N. Y. Self-throttling valve. 2,638,929, May 19.
Delany Realty Corporation, assignee: *See*—
Delany, John J., and Baisel.
Delap, Joseph A.: *See*—
Slotter, Richard L., and Delap.
Delaplaine, John W.: *See*—
Ivey, Edwin H., Jr., and Delaplaine.
De Lateur, Joseph A., Denver, Colo. Automatically actuated trailer brake. 2,662,616, Dec. 15.
De Laubarede, Léonce K., Paris, France. Homogenizing device for extruding machines. 2,631,016, Mar. 10.
Delaune, Elaine T.: *See*—
Wilson, Samuel W., and Delaune.
Delaune, Paul, Sotteville, and R. Huet, Petit Quevilly, assignors to Societe Normande de Produits Chimiques, Paris, France. Preparation of aluminum triformate. 2,630,445, Mar. 3.
De Laval Separator Company, The, assignee: *See*—
Cook, James E.
Dron, Douglas W., and Lindsey.
Gilmore, Vincent J.
Spross, Hubert M.
Strezynski, George J.
Strezynski, George J., and Lawatsch.
De Laval Steam Turbine Company, assignee: *See*—
Nordström, Vilhelm F. A., and Morosoff.
Rank, David H.
Seinfeld, Ludwik R.
Sennet, Morgan B.
Waller, Carl R.
Delaware Engineering Corporation, assignee: *See*—
Moore, William E.
De Lay Industries, Inc., assignee: *See*—
De Lay, Manford S.
De Lay, Manford S., assignor to De Lay Industries, St. Louis, Mo. Load equalizing device. Re. 23,627, Sept. 1.
Delbrook, William H., Glendale, Calif. Electric setting device. 2,636,971, Apr. 28.
Del Camp, Scipione M., Maywood, assignor to Manufacturing Corporation, Chicago, Ill. Tube and socket mounting assembly. 2,646,460, July 7.
Delenk, Wolfram N., Lakewood, assignor to The Manufacturing Company, Cleveland, Ohio. surface-finishing tool. 2,654,978, Oct. 13.
Delf, George A., Creve Coeur, and G. A. Delf, City, Mo. Reversible-flow window fan. July 7.
Delf, Glenn A.: *See*—
Delf, George A. and Glenn A.
Delfra Products Co., Inc., assignee: *See*—
O'Farrell, Frank.
Delfs, Detlef: *See*—
Brüning, Eberhard, Delfs, and Spielberger.
Del'Homme, Daniel L., assignor to Reed Roller pany, Houston, Tex. Wear indicating device bits. 2,647,729, Aug. 4.
Delhomme, Valex J.: *See*—
Peters, Wilhelm F., and Riesinger.
Deline, Walter W., Denver, Colo. Pliers for split-shot fishing sinkers. 2,651,958, Sept. 1
Dell, Edward F., Chicago, Ill., assignor, by ments, to Davidson Corporation. Sheet means for printing presses. 2,647,462, Aug
Dell, Emory L., Jr., and T. M. Strickland, Way said Strickland assignor to said Dell, Jr. Ve mechanism. 2,634,772, Apr. 14.
Dellinger, Robert W., North Olmsted, assigno Yoder Co., Cleveland, Ohio. Inertia overcom for flying shears. 2,630,177, Mar. 3.
Delliveneri, Martin J., assignee: *See*—
Monahan, John A.
Dell, Russell H., assignor to Bostitch, Inc., S Conn. Finger grip for handles of tools. Oct. 20.
Del Mar, Bruce E., Los Angeles, assignor to De craft Company, Inc., Santa Monica, Calif. pressure change regulating instrument. Dec. 1.
Delmar Chemicals Limited, assignee: *See*—
Delmar, Geza S., and Macallum.
Delmar, Geza S., Baie d'Urfe, Quebec, and E. N. assignors to Delmar Chemicals Limited, Lac bec, Canada. Anticoagulant rodenticide. Sept. 8.
Delmonte, Julian: *See*—
Lancor, Joseph H., Jr., and Delmonte.
De Loi, Daniel J., Philadelphia, Pa. Instantan matic monitor. 2,664,503, Dec. 29.
De Lollis, Nicholas J., Arlington, Va., assign United States of America as represented by tary of Commerce. Preparing nickel powder surface area. 2,660,523, Nov. 24.
De Long, Herbert K., assignor to The Dow Che pany, Midland, Mich. Electrodeposition of alkaline cyanide bath. 2,654,702, Oct. 6.
De Long, Herbert K., assignor to The Dow Che pany, Midland, Mich. Treating electropl nesium castings. 2,661,329, Dec. 1.
Deloraine, Edmond M., Paris, France, assignor Telephone and Radio Corporation, New Y Fixed route vehicular location and communi tem. 2,636,113, Apr. 21.
Deloraine, Edmond M., Paris, France, and P. Cranford, N. J., assignors to Federal Tele Radio Corporation, New York, N. Y. Traffic tem. Re. 23,643, Apr. 14.
Deloraine, Edmond M., New York, N. Y., S. V Antwerp, Belgium, and B. Derjavitch, Par assignors to International Standard Electri tion, New York, N. Y. Communication syste constant amplitude pulses of opposite 2,629,857, Feb. 24.
Delorme, Lucien, assignor to Societe Anon Etablissements Ducellier, Paris, France. breaker of ignition systems for internal- engines. 2,649,515, Aug. 18.
Delpark Corporation, assignee: *See*—
Crane, Victor S., and Honan.
Delplanque, Marcel L. A., Paris, France. So ated duplicating machine. 2,660,112, Nov.
Del Signore, James R., assignor to Carrier C Syracuse, N. Y. Air conditioning unit, inc cooling means. 2,649,701, Aug. 25.
Delta Concrete Products Co., Inc., assignee: S Holland, Victor L.
Deltron Electric Products, Inc., assignee: *See*— Conrad, John F.

De Luca, Frank, Willimansett, assignor to American Bosch Corporation, Springfield, Mass. Fuel injection device. 2,628,570, Feb. 17.

De Lucia, John, Bronx, N. Y., and R. Eltonhead, Fort Lee, N. J., assignors to Interchemical Corporation, New York, N. Y. Azo pigment. 2,657,204, Oct. 27.

Del Valle, Guillermo A., Merchantville, and A. S. Jones, Palmyra, N. J., assignors to Radio Corporation of America. Motion-picture film handling apparatus. 2,658,954, Nov. 10.

De Marchi, Vincent S., assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill. Metallurgical process. 2,656,267, Oct. 20.

Demarco, Salvatore J., Jr.: *See*—
Tawney, Chester W., Demarco, and Herrick.

Demarest, Charles W., Culver City, and J. T. Willoughby, Manhattan Beach, assignors, by mesne assignments, to North American Aviation, Inc., Los Angeles, Calif. Adjustable seat. 2,637,369, May 5.

De Marinis, Frank, Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Manufacturing powdered metal. 2,655,716, Oct. 20.

De Mario, Joseph, Audubon, N. J. Lipstick assembly. 2,628,624, Feb. 17.

De Mart, Le Roy S., assignor to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower of the short-travel retracting type. 2,662,241, Dec. 15.

De Martini, Alfred E. F., Haddon Heights, N. J. Collapsible table and chair. 2,653,652, Sept. 29.

De Martini Macaroni Co., Inc., The, assignee: *See*—
Maldari, Donato.

De Masters, William S., Kansas City, Mo. Device for determining grade slopes. 2,632,958, Mar. 31.

Demay, Peter P., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Manually and fluid-pressure operated valve. 2,647,538, Aug. 4.

De Meerleer, Albert H.: *See*—
Schubert, Dale L., and De Meerleer.

De Mello, Alfred C., New Bedford, Mass. Adjustable fish-hook structure. 2,663,966, Dec. 29.

De Mello, Ruben, Sao Paulo, Brazil. Apparatus for manufacture of corrugated plywood. 2,640,517, June 2.

De Mello, Victor F. B., Sao Paulo, Brazil, and E. A. Hauser, Brookline, and T. W. Lambe, Cambridge, Mass., assignors to Research Corporation, New York, N. Y. Stabilization of soils. 2,651,619, Sept. 8.

De Mengel, Gaston P., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric wave generator. 2,627,032, Jan. 27.

De Ment, Jack, Portland, Oreg. Dental cement. 2,658,832, Nov. 10.

De Ment, Jack, Portland, Oreg., assignor to the United States of America as represented by the United States Atomic Energy Commission. Dispersing materials in water. 2,637,536, May 5.

Demerath, Le Roy: *See*—
Vail, Walter J. and R. B., Demerath, Dugin, and Nyberg.

De Merolis, Joseph, and A. Di Lizio, Philadelphia, Pa. Illuminated ornament for shoes. 2,632,093, Mar. 17.

De Merre, Marcel, assignor to Societe Generale Metallurgique de Hoboken, Hoboken-lez-Anvers, Belgium. Separation of nickel contained in nickeliferous cobalt alloys. 2,651,562, Sept. 8.

De Merre, Marcel, assignor to Societe Generale Metallurgique de Hoboken, Hoboken-lez-Anvers, Belgium. Separation of nickel from cobalt containing solutions. 2,624,702, Jan. 6.

De Mestral, George, Pragins, assignor to Tesa, S. A., Renens, Switzerland. Measuring instrument for determining the humidity of gaseous mixtures. 2,651,201, Sept. 8.

Demeulenaere, Marcel, New York, N. Y. Cash register. 2,657,854, Nov. 3.

De Michel, Frank, Chicago, Ill. Buffing pad cushion having passages for circulating cooling air through the cushion to the buffing pad. 2,650,385, Sept. 1.

De Milto, Jeanne, Philadelphia, Pa. Child's vehicle seat. 2,624,394, Jan. 6.

Deming, Andrew F., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Plural speed changer motor for phonograph turntables. 2,628,504, Feb. 17.

De Mint, Clyde S., West Union, Ohio. Building block. 2,633,014, Mar. 31.

De Miranda, Jacobus R.: *See*—
Cock, Ludolf J., Dammers, Boelens, and de Miranda.

Demitz, Roberts S., Fort Knox, Ky. Starter for small internal-combustion engines. 2,625,143, Jan. 13.

Demmer, Frank J., Sr., Johnstown, Pa. Portable live bait carrier and preserver. 2,636,308, Apr. 28.

Demmon, Harvey, and M. E. Houk, Pittsburgh, Pa., assignors to United States Steel Corporation. Apparatus for removing slabs from heating furnaces. 2,660,321, Nov. 24.

De Monsabert, Estelle S., New Orleans, La. Mattress cover. 2,639,444, May 26.

De Montebello, Roger L., Paris, France. Method and apparatus for providing from plane images the appearance of solid objects. 2,647,336, Aug. 4.

Demontvignier, Marcel, Jouy par Breuillet-Village, assignor to Societe n Responsabilite Limitee dite: Hewittic, Suresnes, France. Self-contained inverted rectifier. 2,652,528, Sept. 15.

Demorest, Dana J.: *See*—
Nye, Ralph D., and Demorest.

De Moss, Albert H.: *See*—
Huebsch, Monte F., and De Moss.

Dempsey, Oscar E., Tulsa, Okla., assignor, by mesne assignments, to Byron Jackson Co., Los Angeles, Calif. Hydraulic pump. 2,631,541, Mar. 17.

Dempsey, Oscar E., Tulsa, Okla., assignor, by mesne assignments, to Byron Jackson Co., Los Angeles, Calif. Fluid motor. 2,631,572, Mar. 17.

Dempsey, Oscar E., and J. B. Woods, Tulsa, Okla., assignors, by mesne assignments, to Byron Jackson Co., Los Angeles, Calif. Well installation for subsurface hydraulic pumps. 2,653,545, Sept. 29.

Dempster Brothers, Incorporated, assignee: *See*—
Dempster, George R., and Jones.
Jones, Harry W.
Jones, Harry W., and Glazer.

Dempster, George R., Knoxville, Tenn. Transporting and dumping equipment. 2,633,259, Mar. 31.

Dempster, George R., and H. W. Jones, assignors to Dempster Brothers Incorporated, Knoxville, Tenn. Fork truck having pivotally mounted extension for high level dumping. 2,639,829, May 26.

Dempster, Jane B.: *See*—
Auspos, Lawrence A., and Dempster.

De Muth, John J., Burbank, Calif., assignor to Radio Corporation of America. Photoelectric cell coupling circuit. 2,628,316, Feb. 10.

Denault, Clinton L., Sharpsville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flexible coupling. 2,632,317, Mar. 24.

Den Beste, Marion J., St. Paul, Minn., assignor to Rayette, Inc. Hair color-rinse concentrate. 2,643,211, June 23.

Dendy, Tally M., Jackson, Miss. Combined toothbrush and paste dispenser. 2,630,812, Mar. 10.
Tollenaar, Frederik D.

De Neergaard, Leif E., Manhasset, N. Y. Method and means for recording and reproducing displacements. 2,628,539, Feb. 17.

De Neergaard, Leif E., Buffalo, assignor to Actrol, Inc., Tuckahoe, N. Y. Frequency generator for machine control systems. 2,640,938, June 2.

Dengel, William E.: *See*—
Rich, Edward L., Bauer, and Dengel.

De Negre, Louis, assignor to The New Haven Clock and Watch Company, New Haven, Conn. Balance starter mechanism. 2,650,468, Sept. 1.

Denham, James E., Reseda, Calif. Ski practice board. 2,657,055, Oct. 27.

Den Hertog, Martinus, Onde-God, and C. de Zeeuw, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone trunk-supervision system. 2,636,945, Apr. 28.

Den Hertog, Martinus, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Device for indicating electric potentials. 2,637,018, Apr. 28.

Den Hertog, Martinus, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Voice-frequency code signaling system. 2,647,164, July 28.

Den Hertog, Martinus, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Cyclic pulse controlled telecommunication selection system. 2,664,467, Dec. 29.

Den Herder, Marvin J.: *See*—
Heard, Llewellyn, and Den Herder.

De Nie, Willem L. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Vinyl halide-vinylidene halide-acrylic ester tripolymers. 2,651,626, Sept. 8.

De Nisco, Daniele, Brooklyn, N. Y. Musical toy. 2,637,141, May 5.

Denison, Donald, Cornelius, assignor to Bates & Chard Company, North Plains, Oreg. Bark removing machine. 2,653,635, Sept. 29.

Denison, Edward L., assignee: *See*—
Blanchard, Donn C.
Ferreira, Charles W.

Denison Engineering Company, The, assignee: *See*—
Adams, Cecil E.
Adams, Cecil E., and Born.
Born, Ellis H., and Bonnette.
Mills, Howard V.
Renick, Wendell E.

Denison, George H., Jr.: *See*—
McLaughlin, Edward J., Denison, and Barusch.

Denison, Henry W., and L. E. Johnson, assignors to Denison-Johnson, Inc., Mankato, Minn. Fishing reel. 2,644,647, July 7.

Denison-Johnson, Inc., assignee: *See*—
Denison, Henry W., and Johnson.

Denison, Walter A., South Charleston, and W. N. Stoops, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Olefin-vinyl acetate copolymers and vinyl resins plasticized therewith. 2,657,188, Oct. 27.

Deniston, George L., Dayton, Ohio, assignor to Chadeloid Corporation, Wilmington, Del. Stain filler compositions and pigmented fillers therefor. 2,628,206, Feb. 10.

Deniston, George L., assignor to Chadeloid Corporation, Dayton, Ohio. Stain filler compositions and pigmented fillers therefor. 2,635,087, Apr. 14.

Deniston, George L., and O. W. Berglund, Dayton, Ohio, assignors to Chadeloid Corporation, Wilmington, Del. Stain filler sealer. 2,628,947, Feb. 17.

Denker, Charles T., and J. Kmit, Chicago, Ill. Emergency escape hatch. 2,631,032, Mar. 10.

Denker, Charles T., and J. R. Moore, Chicago, Ill. Oil burner. 2,660,230, Nov. 24.

Denkewalter, Robert G., Westfield, G. B. Hughey, Metuchen, and S. Kutosh, Kenilworth, assignors to Merck & Co., Inc., Rahway, N. J. Extraction of vitamin B_{12}-active compounds from aqueous solutions using solid trichlorophenol. 2,635,985, Apr. 21.

Denman, Earl W., Cranford, N. J. Humidifier. 2,628,084, Feb. 10.

Denman, Wayne L., Oak Park, assignor to Dearborn Chemical Company, Chicago, Ill. Treating waters, including boiler waters, and composition therefor. Re. 23,614, Jan. 13.

Denmil Supply Company, assignee: *See*—
Dennin, William W.

Dennen, Clifford J.: *See*—
Anderson, Carl N., Dennen, and Graeffinger.

Denney, Lee J., Nutley, H. G. Duhamel, Verona, and R. W. Engsberg, Nutley, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Telephone switching system with selection of local or trunk lines. 2,633,497, Mar. 31.

Denney, Robert R., Springfield, Ill. Bowling game apparatus with swingably supported pins. 2,626,153, Jan. 20.

Dennick, Kenneth R., New York, N. Y. Storage bin unloading apparatus. 2,663,594, Dec. 22.

Dennin, William W., Long Beach, assignor to Denmil Supply Company, Los Angeles, Calif. Coin control lock mechanism. 2,641,347, June 9.

Denning, Gabriel J., Hoxie, Kans. Mercury switch. 2,626,333, Jan. 20.

Denning, J. Wayne, Joliet, Ill. Grain bin. 2,635,302, Apr. 21.

Denning, Thomas J., Hudson, Colo. Cultivator. 2,646,738, July 28.

Dennington, Dan J., Jr., Texarkana, Tex. Coupling. 2,640,719, June 2.

Dennis, Franklin L., Clayton, W. H. King, and H. C. Myers, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of wax and asphalt from hydrocarbon oil. 2,642,379, June 16.

Dennis, William L., Detroit, Mich., assignor to General Motors Corporation, Dayton, Ohio. Window regulator. 2,624,570, Jan. 6.

Dennison, Edward S.: *See*—
Constantine, Leonard R., Evans, and Dennison.

Dennison, Lee B., Fernwood, Idaho. Forming imitation hand rift shingles. 2,646,093, July 21.

Dennison Manufacturing Company, assignee: *See*—
Bone, Arnold R.
Flood, Carl A.
Owen, Haddon S.
Sloan, Donald D.

Dennison & Sons, assignee: *See*—
Kraemer, Fred J., Jr.

Denny, George E.: *See*—
Lee, Joseph F., and Denny.

Denny, Reginald L., North Hollywood, Calif. Flare plane. 2,636,697, Apr. 28.

De Nooijer, Christiaan N. J.: *See*—
Koome, Jacob, and De Nooijer.

De Normanville, Edgar J., Ashridge Park, Berkhampstead, assignor of one-half to Auto Transmissions Limited, Coventry, England. Epicyclic power transmission mechanisms. 2,664,016, Dec. 29.

De Note, Frank J., assignor to The Bristol Machine Tool Company, Inc., Forestville, Conn. Gear-operated pancake-type wrench for use in confined spaces. 2,629,278, Feb. 24.

De Note, Frank J., assignor to The Bristol Tool Machine Company, Inc., Forestville, Conn. Gear operated pancake-type wrench for use in confined spaces. 2,664,020, Dec. 29.

Denovan, John J., Lachine, Quebec, and R. A. Denovan, Sherbrooke, Quebec, Canada. Nail extracting device. 2,650,061, Aug. 25.

Denovan, Robert A.: *See*—
Denovan, John J. and R. A.

De Noyers, Emil J.: *See*—
Minneci, Salvatore, and De Noyers.

Densmore, Neal W.: *See*—
Goodrich, Ross H., and Densmore.

Dent, Samuel G., Jr.: *See*—
Sprague, Robert H., Brooker, and Dent.

Dent, William C.: *See*—
Ballard, Alfred G., Dent, Broscomb, and Watt.

Dental Perfection Company, assignee: *See*—
Lochridge, Edwin H.
Noyes, Stanley E., and Lochridge.

Dentists' Supply Company of New York, The, assignee: *See*—
Brassie, Jerome E.
Lucia, Victor O.
Sharlip, Edgar Y., and Dunbrack.
Whiteley, Joseph O., Jr., and Fritz.

Dentler, Arnold E., La Grange, assignor to W. H. Inc., Chicago, Ill. Friction shock absorbing m for railway cars. 2,624,567, Jan. 6.

Dentler, Arnold E., Western Springs, assignor Miner, Inc., Chicago, Ill. Shock absorber for car trucks. 2,647,744, Aug. 4.

Denton, Bethel E., Merchantville, N. J., assignor Corporation of America. Automatic control form. 2,654,855, Oct. 6.

Denton, Charles B., and G. A. Terhune, Jr., assignors to Weston Electrical Instrument tion, Newark, N. J. Thermometer package. Apr. 28.

Denton, William I.: *See*—
Lukasiewicz, Sigmund J., and Denton.
Lukasiewicz, Sigmund J., Denton, and Pla

Denton, William I., Woodbury, and R. B. Bishop, field, N. J., assignors to Socony-Vacuum Oil Incorporated. Solvent extraction process. Feb. 24.

Den Uyl, Anthonie, Wallington, N. J. Combin brush construction. 2,629,122, Feb. 24.

Denver Chemical Manufacturing Company, The, *See*—
Beckley, John H.

Denzin, Edward C.: *See*—
Northrop, John K., Denzin, and Smith.

Deobald, Harold J.: *See*—
Belter, Paul A., Smith, Deobald, Singer, an

De Orlow, Stephen, Jackson, Mich. Brake 2,635,481, Apr. 21.

De Packh, David C., U. S. Navy, and J. E. H Washington, D. C. Coupling device for rela tatable coaxial cables. 2,641,744, June 9.

Depallens, Jules, Lausanne, Switzerland. F purifying a liquid or gaseous fluid. 2,641,364

De Palma, Amedeo, North Haven, assignor to Folding Box Company, Inc., New Haven, Con counting device for sheet handling machines. Oct. 27.

De Palma, Joseph, Amsterdam, N. Y. Sp 2,625,345, Jan. 13.

De Peau, William H., and H. M. Pomeroy, Harris Radio antenna. 2,638,545, May 12.

De Perales, Marta P., San Antonio, Tex. File 2,624,650, Jan. 6.

Depew, Daniel: *See*—
Parsons, George B., and Depew.

De Piccolellis, John, Boston, Mass., and W. gomery, assignors to Republic Steel Corporati land, Ohio. Warning apparatus for gas 2,637,019, Apr. 28.

De Pillot de Coligny, Guerric, Versailles, France, and device for focusing of radiations by mea tionary reflector and refractor gratings. May 19.

De Pillot de Coligny, Guerric, Versailles, France wave antenna. 2,663,016, Dec. 15.

De Pinto, Sergio, Staten Island, assignor of one S. and L. Mezzacappa, Staten Island, and one W. Auerbach, New York, N. Y. Cigarett 2,663,300, Dec. 22.

Depoilly, Paul, Flixecourt, assignor to Société d Frères, Société Anonyme, Paris, France. supply means for weft stop motions. 2,655,184

Depp, Wallace A., Mountainside, N. J., assigno Telephone Laboratories, Incorporated, New Y Multicathode glow discharge device. 2,658,16

De Pree, David O.: *See*—
Hill, Eugene F., and De Pree.

De Pree, Lee: *See*—
Barry, Arthur J., De Pree, and Hook.
Barry, Arthur J., Hook, and De Pree.

De Pue, Leland A., Takoma Park, Md. Arc wel trode. 2,636,101, Apr. 21.

Deputy, Marshall P., Council Bluffs, Iowa, as Uni-Drive Corporation, Omaha, Nebr. Plur feed and brake operating mechanism for motor 2,627,329, Feb. 3.

De Puy, Seymour M., Schenectady, N. Y., as General Electric Company. Thermally actua tric switch. 2,647,189, July 28.

Depweg, Leonard S., Hamilton, assignor to Av facturing Corporation, Cincinnati, Ohio. mechanism. 2,630,716, Mar. 10.

Depweg, Leonard S., Hamilton, assignor to Av facturing Corporation, Cincinnati, Ohio. Po unit for remotely controlled television 2,642,757, June 23.

De-Raef Corporation, assignee: *See*—
Murphy, Walter L.
Selman, Roland W., Jr., and Carson.

De Ragon, Paul O., Mertztown, Pa. Tractio 2,625,441, Jan. 13.

Derby, Ralph E., Salem, Mass. Removing the hogs. 2,654,122, Oct. 6.

Derby, Roland E.: *See*—
Runton, Leslie A., and Derby.

Derby, Roland E., Lowell, Mass. Apparatus for r oil from the solvent cleaning or scouring of ra wool fabric. 2,631,971, Mar. 17.

Derby Sealers, Incorporated, assignee: *See*—
Erhardt, Oscar P.
Krueger, Alfred P.

Derby, Wilfred, Boston, Mass. Equalizing support for ladders. 2,633,283, Mar. 31.

Derbyshire, Alfred, and J. F. Naylor, Newton-le-Willows, assignors to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Application of plastic substances to biscuits and the like articles. 2,657,646, Nov. 3.

Dereich, John E., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Siloxane compositions and making same. 2,637,719, May 5.

Dereich, John E., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Making a resinous siloxane and product. 2,648,654, Aug. 11.

De Reitzes-Marienwert, Maria, assignee: *See*— Alvarez, Octavio J.

Deremer, Floyd E., Detroit, assignor to Oldberg Manufacturing Company, Grand Haven, Mich. Silencer or muffler. 2,661,073, Dec. 1.

De Remer, J. G., Research Corporation, assignee: *See*— De Remer, Jay G.

De Remer, Jay G., Darien, Conn., assignor to J. G. De Remer Research Corporation, Union City, N. J. Combined washing and centrifugal drying machine. 2,652,710, Sept. 22.

De Remer, Kenneth R.: *See*— Johnson, Harwick, and De Remer.

De Rennaux, Stanley L., Clayton, Mo. Kitchen utility stool. 2,628,146, Feb. 10.

Der Gasparian, Miguir, administrator: *See*— Bracke, Oscar J. J., and Lens.

Derhammer, Cline R., East Cleveland, assignor to The Lakeside Steel Improvement Company, Cleveland, Ohio. Flame hardening apparatus. 2,629,589, Feb. 24.

Deri, Hubert B., Rye, N. Y., assignor to General Precision Laboratory Incorporated. Enclosed arc lamp. 2,629,836, Feb. 24.

De Ridder, Willem, The Hague, Netherlands. Dough measuring machine. 2,638,066, May 12.

Derjavitch, Boris: *See*— Deloraine, Edmond M., Van Mierlo, and Derjavitch. Van Mierlo, Stanislas, and Derjavitch.

Derkovitz, Martin J., Lancaster, N. Y. Fishing device. 2,638,696, May 19.

Derman, Harry, deceased, Great Neck, N. Y.; H., Sam, and Sidney Derman, executors. Garment hanger rack for doors. 2,633,998, Apr. 7.

Derman, Harry, deceased, Great Neck, N. Y.; H., Sam, and Sidney Derman, executors. Round folding supplemental table top. 2,634,183, Apr. 7.

Derman, Harry, deceased, Great Neck, N. Y.; H., S., and S. Derman, executors of said Harry Derman. Collapsible service table ensemble. 2,643,925, June 30.

Derman, Henrietta, executrix: *See*— Derman, Harry.

Derman, Sam, executor: *See*— Derman, Harry.

Derman, Sidney, executor: *See*— Derman, Harry.

Dermond, Lawrence C., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Throttle controlled starter switch. 2,650,988, Sept. 1.

Dermond, Lawrence C., and E. A. Kehoe, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Starter control system. 2,643,347, June 23.

De Rogatis, Gennaro, assignee: *See*— Gialanella, Joseph.

De Rosa, John A.: *See*— Snell, Chester A., Fain, and De Rosa.

De Rosa, John A., Brooklyn, and C. A. Snell, New York, N. Y., assignors to the United States of America as represented by the Secretary of the Army. Soldering flux. 2,658,846, Nov. 10.

De Rosa, Louis A., Bloomfield, N. J., assignor to International Telephone and Telegraph Corporation. Radio impulse system for oscillograph calibration. 2,662,977, Dec. 15.

De Rosset, Armand J., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for effecting gas-liquid mixing. 2,639,129, May 19.

Derr, Carl G.: *See*— Gilbert, Lemuel M., and Derr.

Derr, Louis, Jr., Battle Creek, Iowa. Paste applicator for wrapping paper. 2,639,689, May 26.

Derr, Willard A., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,653,188, Sept. 22.

Derr, Willard A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,653,998, Sept. 29.

Derr, Willard A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,654,805, Oct. 6.

Derr, Willard A., and M. E. Reagan, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Supervisory control system. 2,644,931, July 7.

Derringer, Pete O., St. Louis, and R. W. Davis, Webster Groves, assignors to Loose Leaf Metals Co., St. Louis, Mo. Link post construction for binders. 2,629,224, Feb. 24.

Derrington, Edward R., Montrose, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Sequential and differential valve actuation. 2,633,860, Apr. 7.

Derror, Fred L., and R. P. Gramly, assignors of one-half to Farm Tools, Inc., Mansfield, and one-half to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle mounted implement. 2,626,550, Jan. 27.

Derry, Bert E.: *See*— Cade, William M., and Derry.

Derry, Thomas S.: *See*— McNamee, Paul D., Fay, and Derry.

Der Yuen, Frank, Running Springs, assignor of one-half to Yee Sing Chun, Oakland, Calif. Container. 2,641,374, June 9.

De Salardi, Albert B., deceased, Wilkinsburg, Pa., M. De Salardi, administratrix. Helmet mounted pistol. 2,651,872, Sept. 15.

De Salardi, Mary, administratrix: *See*— De Salardi, Albert B.

De Salvo, Alfonso, Genoa, Italy. Self-propelled floating toy. 2,645,883, July 21.

De Sancy, Alain: *See*— Bassot, André, Daynié, and de Sancy.

De Santis, Fausto G., Quincy, Mass., and E. H. Wilcox, Washington, R. I., assignors, by mesne assignments, to Whitin Machine Works. Stop motion for drawing frames. 2,636,223, Apr. 28.

Desautels, Eli A.: *See*— Euler, George M., and Desautels.

Desbarat, Edward W., Montreal, Quebec, Canada. Saw attachment for drills and the like. 2,659,871, Aug. 25.

Desbrueres, Edmond-Pierre, Paris, France. Element for facilitating the assembly by bolts of constructional members. 2,633,175, Mar. 31.

Desch, Joseph R., assignor to The National Cash Register Company, Dayton, Ohio. Electronic impulse generator. 2,644,087, June 30.

Desch, Joseph R., assignor to The National Cash Register Company, Dayton, Ohio. Electronic counter. 2,644,110, June 30.

Desch, Joseph R., assignor to The National Cash Register Company, Dayton, Ohio. Electronic counter. 2,644,111, June 30.

Desch, Joseph R., assignor to The National Cash Register Company, Dayton, Ohio. Electronic counter. 2,644,112, June 30.

Deschamps, Desire J., Rutherford, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine fuel control. 2,641,237, June 9.

Deschmann, Heinrich, Vienna, Austria. Electrical generator with variable frequency and power transmission systems. 2,629,075, Feb. 17.

De Scranage, Candirus, New York, N. Y. Shower head curtain suspension adapter. 2,654,893, Oct. 13.

Desenberg, Josef, Rockford, Ill. Abrading machine. 2,629,975, Mar. 3.

De Shazo, Earl L., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for measuring the polarity of seismometers. 2,653,305, Sept. 22.

De Shazor, James C., Jr., Portland, Oreg. Closure for containers. 2,642,911, June 23.

De Shelly, Raymond, New York, N. Y. Refill cartridge. 2,629,489, Feb. 24.

Designers for Industry, Inc., assignee: *See*— Morton, George E.

Deslongchamps, Eudes, Caramat, Ontario, Canada. Raker gauge. 2,654,959, Oct. 13.

De Smidt, Woodrow A., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Electrical switch mounting enclosure. 2,645,743, July 14.

De Smidt, Woodrow A., Whitefish Bay, and L. H. Matthias, Fox Point, assignors to Allen-Bradley Company, Milwaukee, Wis. Circuit breaking operating lever. 2,645,688, July 14.

Desmond-Stephan Mfg. Co., The, assignee: *See*— Eaton, George.

Desmonds, Albert X., assignor to Scott & Williams, Inc., Laconia, N. H. Take-up for knitting machines. 2,641,117, June 9.

Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Quiet snap switch. 2,648,731, Aug. 11.

D'Esposito, Julian C., assignor to Container Corporation of America, Chicago, Ill. Bicycle wheel brace. 2,660,297, Nov. 24.

Desrochers, Fernand, assignor to Dominion Corset Company Limited, Quebec, Quebec, Canada. Brassière. 2,634,418, Apr. 14.

Des Roches, Emile, Vancouver, British Columbia, Canada. Circuit tester. 2,639,318, May 19.

Des Rosiers, John B., Providence, R. I. Multichamber pneumatic tire. 2,641,295, June 9.

Dessauer, John H., Pittsford, and M. A. Insalaco, assignors to The Haloid Company, Rochester, N. Y. Cyanine dye and making same. 2,653,152, Sept. 22.

Desseigne, Gérard, assignor to Etat Français (Ministere de la Defense Nationale) Represente par Monsieur l'Ingenieur en Chef, Directeur du Laboratoire Central des Poudres, Paris, France. Method of producing tetryl. 2,629,739, Feb. 24.

Dessert, Léo, Epinay, Marcel Abel, La Courneuve, and Georges Rua, Saint-Oeun, France. Centrifugally operated regulating device. 2,649,292, Aug. 18.

De Stadelhofen, Jean M., Berne, J. Müller-Strobel, J. Patry, and R. Strub, assignors to Albiswerk Zurich A. G., Zurich, Switzerland. Telephone subscriber set with side-tone reduction for central battery systems. 2,643,300, June 23.

De Stefano, Bartholomew, City Island, N. Y. Hedge clipper. 2,654,947, Oct. 13.

Destoumieux, Paul, Neuilly-sur-Seine, and M. Amirault, Anthony, France. Packing for use between rotatable and fixed parts. 2,646,296, July 21.

De Sylva, Oscar J., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Magnetic recording tape and making same. 2,633,431, Mar. 31.

De Tar, De Los F., Ithaca, and C. J. Le Pome, Kenmore, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of primary diamines. 2,640,080, May 26.

De Tar, Donald R., Stratford, assignor, by mesne assignments, to Winchester Electronics, Incorporated, Glenbrook, Conn. Connector with locking device. 2,633,482, Mar. 31.

De Tartas, Donald A.: *See*— Humfeld, George P., and de Tartas.

De Tartas, Donald A., Indianapolis, Ind., assignor to Radio Corporation of America. Plastic molding compositions. 2,636,869, Apr. 28.

Detch, Lewis, Pittsburgh, Pa. Cartridge fuse. 2,644,871, July 7.

Detch, Lewis, Pittsburgh, Pa. Cartridge fuse. 2,662,141, Dec. 8.

Determan, Joseph W., Oklahoma City, Okla. Dummy plug and detachable handle therefor. 2,629,761, Feb. 24.

Deters, Bruce A., Glendale, Calif., and W. W. Butler, Sidney, Nebr., assignors, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Back circulator device. 2,645,288, July 14.

Deters, John F.: *See*— Arnold, Robert C., and Deters. Arnold, Robert C., Lien, and Deters.

Dethlof, T. C., assignee: *See*— Glomb, John S.

Detienne, Adolphe, executor: *See*— France, Antoine.

Detje, Henry, Denver, Colo. Picture frame. 2,656,632, Oct. 27.

Detjen, Edgar W., assignor to Stoelting Brothers Company, Kiel, Wis. Washing aluminum kitchen utensils. 2,633,437, Mar. 31.

Detlefsen, Gustav C., assignor to Crane Co., Chicago, Ill. Diverter valve. 2,624,364, Jan. 6.

Detling, Kenneth D., Berkeley, and T. Skei, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Maintaining activity of cuprous oxide catalyst in oxidation of olefins. 2,659,758, Nov. 17.

Detrex Corporation, assignee: *See*— Dinley, Clarence F. Duncan, Ira J. Harris, Stanley A. Kearney, Thomas J., and McGregor.

Détrez, René, Nogent-sur-Marne, France. System for controlling the movements of hydraulically operated pistons. 2,644,309, July 7.

Détrez, René, Nogent-sur-Marne, France. Plural motor hydraulic device for controlling the movements in machines and apparatus for washing, filling, stoppering, capsuling, and labeling bottles. 2,644,310, July 7.

Détrez, René, Nogent-sur-Marne, France. Automatic loading device for bottles and the like containers. 2,648,419, Aug. 11.

Détrez, René, Nogent-sur-Marne, France. Machine for successively performing operations on vessels or other articles. 2,656,964, Oct. 27.

Détrez, René, Nogent-sur-marne, France. Fluid operated filling valve mechanism utilizing varying fluid pressures. 2,663,479, Dec. 22.

Detrick, Fred H.: *See*— Betsch, Carl L., and Detrick

Detrick, M. H., Company, assignee: *See*— Hazen, Frank D. Hosbein, Louis H. Hosbein, Louis H., and Ellman. Pollen, Charles F.

Detro Manufacturing & Sales Co., Inc., assignee: *See*— Wright, Charles C., and Dickerson.

Detroit Automotive Products Corporation, assignee: *See*— Romick, William L.

Detroit Controls Corporation, assignee: *See*— Carter, Franklyn Y. Dillman, Earnest J. Dillman, Earnest J., and Galley. Dillman, Earnest J., and Noakes. Landon, Walter S. Von Wangenheim, Adolf.

Detroit Edison Company, The, assignee: *See*— Gray, William C. Matthews, George A. Milby, William R., and Eslick. Mulavey, James E.

Detroit Gasket & Manufacturing Company, assignee: *See*— Davis, Charles G.

Detroit Hardware Manufacturing Company, assignee: *See*— Jewett, Deane N., and R. S.

Detroit Harvester Company, assignee: *See*— Downey, Louis W. McLeod, Stewart B. Preble, Norman H., and Goss. Sargent, Albert M. Votypka, John W.

Detroit Hoist and Machine Company, assignee: *See*— Martin, Henry F. Western, James A.

Detroit Lubricator Company, assignee: *See*— Dillman, Earnest J.

Detroit-Michigan Stove Company, assignee: *See*— Feder, Arthur G.

Detroit Power Screwdriver Company, assignee: *See*— Bailey, Roy W., and Faull.

Detroit Safety Clutch Corporation, assignee: *See*— Randall, Ralph R.

Detroit Steel Products Company, assignee: *See*— Anderson, Werner B. Kelly, Clyde W. Rockhoff, Bert E., and Mayer.

Detroit Stoker Company, assignee: *See*— Mosshart, Donald J.

Detroit Trust Company, coexecutor, assignee: *See*— McLeod, Roy D.

Dettmer, Edward V., Bay City, assignor to The Chemical Company, Midland, Mich. Apparatus for stretching film. 2,659,931, Nov. 24.

Dettmer, Edward V., Bay City, assignor to The Chemical Company, Midland, Mich. Heat sealing element for welding thermoplastic films. 2,664,611, Dec. 22.

De Turk, John E., Cambridge, and J. H. MacIlvaine, Boston, assignors to Raytheon Manufacturing Company, Newton, Mass. High-speed tape-handling mechanism. 2,656,129, Oct. 20.

Detwiler, Marshall L., Lancaster Township, Lancaster County, Pa. Fish gripper. 2,653,844, Sept. 29.

Detwiler, Tyson F., Upper Darby, Pa. Clasp. 2,643,426, June 30.

Deubel, Justin A.: *See*— Hotchkiss, Clifford, and Deubel.

Deubel, Justin A., assignor to Perfex Corporation, Milwaukee, Wis. Flame detector. 2,660,643, Nov. 24.

Deucher, Theodore F.: *See*— Harsant, Henry J., and Deucher.

Deutch, Siegfried: *See*— Ferda, Julius, and Deutsch.

Deutgen, Ragnar E., assignor to Aktiebolaget Electrolux, Stockholm, Sweden. Refrigerator. 2,639,593, May 26.

Deutsch, Daniel S.: *See*— Biko, Theodore R., and Deutsch.

Deutsch, Leo E., Hammond, Ind. Cycle. 2,629,247, Feb. 24.

Deutsch, Louis, Dearborn, and E. C. Busch, Detroit. Pipe clamp. 2,649,640, Aug. 25.

Deutsch, Martin K., Hamburg, and H. W. Fink, Hamburg-Volksdorf, assignors to Lehn & Fink Products Corporation. Quaternary ammonium compounds and producing the same. 2,653,156, Sept. 22.

Deutsch, Millard B., assignor to The Electric Company, Sheboygan, Wis. Self-feeding mechanism. 2,635,921, Apr. 21.

Deutsche Edelstahlwerke, assignee: *See*— Becker, Gottfried, and Steinberg.

Deutsche Gold- und Silber-Scheideanstalt vormals, assignee: *See*— Bretschneider, Otto. Holzmann, Hermann. Köhler, Franz. Wagner, Ernst.

Deutscher, Abe: *See*— Miller, Julius, and Deutscher.

Deutser, Alton J., and F. T. Crookshank, Houston, Tex., assignors to The Texas Company, New York, N. Y. Noncorrosive soluble oil containing a sulfonate. 2,626,240, Jan. 20.

De Val, Eugene J., Pitcairn, and O. Ackerlund, Wilkinsburg, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Lightning arrester. 2,660,680, Nov. 24.

De Vaney, Fred D., assignor to Erie Company, Hibbing, Minn. Cement manufacturing. 2,632,699, Mar. 24.

Feb. 3.

Devau, Joseph O., Derby Line, Vt. Pneumatic cuff and pocket cleaner. 2,625,703, Jan. 20.

Devau, Joseph O., Derby Line, Vt. Trouser pocket cleaner. 2,632,902, Mar. 31.

De Vau, Louis P., Cleveland Heights, and E. Ott, assignors to Republic Steel Corporation, Cleveland, Ohio. Universal contour generator. 2,660,673, Nov. 24.

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De Vault, Albert N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polymerization of saturated compounds with palladium oxide catalyst. 2,656,398, Oct. 20.

De Vault, Robert V., and R. J. Echerd, Bartlesville, assignors to American Enka Corporation. Apparatus for preparing freshly spun cake and aftertreatments. 2,645,434, July 14.

De Vault, Robert V., and R. J. Echerd, Jr., Asheville, assignors to American Enka Corporation, Enka, N. C. Inserting a cloth insert into a rayon cake before fluid treatment. 2,645,554, July 14.

Devaux, Lucien, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Facsimile telegraph transmitter. 2,640,875, June 2.

Devaux, Raymond H., Tangier, Morocco. Spark plug. 2,650,583, Sept. 1.

Devaux, Raymond H. P., Tangier, Tangier. Electric apparatus for decomposing liquids and its use as a gasoline economizer. 2,656,824, Oct. 27.

Deveau, Melvin J., Beverly, Mass. Knockdown bookholder. 2,648,931, Aug. 18.

De Vecchis, Ineo, Paris, France, and O. E. Ramuz, Lausanne, Switzerland, assignor of one-fourth to G. H. Montmartin, New York, N. Y. Treatment of bauxites. 2,637,628, May 5.

Development-Research Corporation, The, assignee: *See*—
Chester, Milton A.

Development Research, Inc., assignee: *See*—
Pyenson, Harry.
Soffer, Jack W.

Deverall, Charles N., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Evaporative cooler for condensing hot compressed gas. 2,661,933, Dec. 8.

Devere Company, assignee: *See*—
Goudie, Wayne F.
Hawkins, Albert O.

Devereaux, George B.: *See*—
Larson, Harold J., and Devereaux.

Deves, Anthony, Plainfield, Conn., and S. B. Radunz, Brooklyn, assignors to National Manufacturing Corporation, New York, N. Y. Adjustable hospital bed. 2,633,578, Apr. 7.

Deveson, Robert E., East Fremantle, Western Australia, Australia. Rack and pinion device. 2,631,466, Mar. 17.

De Vilbiss Company, The, assignee: *See*—
Gamble, Harold R.
Lammiman, Lewis W.
Peeps, Donald J.

De Vilbiss, John A., assignor to F. A. Meyer, St. Marys, Kans. Air conditioning apparatus. 2,631,833, Mar. 17.

De Vilbiss, John A., St. Marys, Kans. Evaporative cooler. 2,661,936, Dec. 8.

De Villota, Carlos, San Sebastian, Spain. Automatically reversible current-driven channel cleaner. 2,662,310, Dec. 15.

Devine, Lawrence V.: *See*—
Devine, Verbol J. and L. V.

Devine, Verbol J. and L. V., Kansas City, Mo. Core drilling apparatus. 2,660,402, Nov. 24.

Devine, William J., North Plainfield, and B. J. Carroll, Plainfield, N. J. Varicose vein stripper with flexible guide leader. 2,661,003, Dec. 1.

Devinney, Virginia, assignee: *See*—
Antle, John T., Jr.

De Vito, Angelo R.: *See*—
Allen, Edwin L., de Vito, and Muster.

De Vletter, Robbert, assignor to N. V. Lijempf, Leeuwarden, Netherlands. Preparing condensed milk and such products containing lactose. 2,641,549, June 9.

De Vlieg, Charles B., Farmington, Mich. Transmission unit. 2,638,010, May 12.

De Vlieg, Charles B., Farmington, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Apparatus for milling complex surfaces. 2,660,931, Dec. 1.

De Vlieg, Charles B., Farmington, H. R. De Vlieg, Grosse Pointe Woods, and C. R. De Vlieg, Birmingham, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Machine for forming predetermined irregular surfaces. 2,660,930, Dec. 1.

De Vlieg, Charles R.: *See*—
De Vlieg, Charles B., H. R., and C. R.

De Vlieg, Howard R.: *See*—
De Vlieg, Charles B., H. R., and C. R.

De Vlieg, Howard R., Grosse Pointe Woods, Mich. Presetting device for cutting tools. 2,652,634, Sept. 22.

De Vlieg, Howard R., Grosse Pointe Woods, Mich. Offset boring head. 2,654,610, Oct. 6.

Devlin, Paul A.: *See*—
Shokal, Edward C., and Devlin.

Devoe & Raynolds Company, Inc., assignee: *See*—
Greenlee, Sylvan O.

Devonshire, William H.: *See*—
Manney, Charles J., and Devonshire.

Devonshire, William H., Williamsville, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Tire chain fastener. 2,648,881, Aug. 18.

Devonshire, William H., Williamsville, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Traction chain. 2,663,346, Dec. 22.

Devore, Weber: *See*—
Green, Samuel G., D'Ardenne, Meinel, and Devore.

Dévot, André J., assignor to Tobe Deutschmann Corporation, Canton, Mass. Electrical fault finder. 2,651,752, Sept. 8.

De Vries, Machiel, Amsterdam, Netherlands. Sound filter for microphones and telephones. 2,645,301, July 14.

De Vries, Reinier P., Melrose, assignor to Revere Sugar Refinery, Boston, Mass. Drainage leaf attachment means for leaf type filters. 2,656,930, Oct. 27.

De Vry Corporation, assignee: *See*—
D'Arcy, Ellis W.
Krtous, George F.
Lang, John W., Jr.

De Waide, Hal, Seattle, Wash. Engine for transmitting forces developed therein. 2,658,486, Nov. 10.

Dewald, Roderich: *See*—
Tiedt, Friedrich, and Dewald.

De Wald, William E., Chicago, Ill. Helical shaft machine. 2,646,687, July 28.

Dewar, James R., Rochester, N. Y. Telephone pay station coin box system. 2,642,496, June 16.

Dewees, Alexander H., Detroit, Mich. Construction in upholstered article such as a seat. 2,638,154, May 12.

De Westfelt, Gerard P., New York, N. Y., assignor to The Sperry Corporation. Servomotor network. 2,629,077, Feb. 17.

De Wet, Charl L. R., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 2,634,229, Apr. 7.

Dewey and Almy Chemical Company, assignee: *See*—
Bailey, Herman H.
Casey, Francis B., Woodcock, and Wood.
Cooper, Henry E., and Shanklin.
Merrill, Edward W.
Shilling, William C., and Wright.

Dewey, Chalmers B., Manhasset, and N. C. Zatsky, Valley Stream, assignors to Reeves Instrument Corporation, New York, N. Y. Prepatch connector bay. 2,647,244, July 28.

Dewey, Gordon C.: *See*—
Smullin, Louis D., and Dewey.

Dewey, Gordon C., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Traveling wave tube. 2,643,335, June 23.

Dewhirst, Joseph F., Bridgeport, Conn. Engine stopping device for motor vehicles. 2,652,125, Sept. 15.

Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.
MacBain, Donald K.

De Wiess, Ferdinand A., New York, N. Y. Control lock. 2,631,704, Mar. 17.

De Witt, C. Harold, Santa Monica, Calif. Flush tank. 2,629,878, Mar. 3.

De Witt, Earl G.: *See*—
Shapiro, Hymin, and De Witt.

De Witt, Richard A., assignor to Automatic Poultry Feeder Company, Zeeland, Mich. Conveyer. 2,658,605, Nov. 10.

Dewrance & Co. Ltd., assignee: *See*—
Storey, James M.

Dewyer, Peter J., Libertyville, Ill. Taping machine. 2,648,382, Aug. 11.

Dexdahl, Inc., assignee: *See*—
Dahl, Norman C.

Dexdale Hosiery Mills, assignee: *See*—
Berger, Emil J., and Matthews.

Dexter, C. H., & Sons, Incorporated, assignee: *See*—
Osborne, Fay H.

Dexter, Carl J., Battle Ground, Ind. Liquid dispensing cup. 2,627,735, Feb. 10.

Dexter Folder Company, assignee: *See*—
Baker, Leonard.
Martin, George A.
Williams, Leo C.
Williams, Leo C., and Runge.

Dexter, Robert G., Lexington, assignor, by mesne assignments to Continental Elastic Corporation, New Bedford, Mass. Hank winding machine. 2,654,980, Oct. 13.

Dextran Limited, assignee: *See*—
Stacey, Maurice and Overend.

De Ybarrondo, Vincent C., San Fernando, Calif. Gas-liquid contact apparatus for removing contaminants from gases. 2,658,735, Nov. 10.

De Yo, Arthur C., Shaler Township, Allegheny County, assignor to Multi-Ring Brake Drum Corporation, Allison Park, Pa. Laminated brake drum. 2,661,820, Dec. 8.

Deyrup, Alden J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Modified ceramic enamel. 2,653,877, Sept. 29.

De Zeeuw, Constantinus: *See*—
Den Hertog, Martinus, and de Zeeuw.

D'Harlingue, Alfred E., assignor to Julia-Ann Memorial Company, St. Louis, Mo. Utility burner. 2,632,087, Mar. 17.

D'Heilly, Marcelle, Paris, France, assignor to Societe Anonyme de l'Ecluse, Tangiers, North West Africa. Card file box. 2,642,876, June 23.

Diack, Samuel L., Portland, Oreg. Collapsible bottle. 2,646,044, July 21.

Dial, Daniel F., Jr.: *See*—
Alcorn, Irwin W., and Dial.

Dial, Georges E., Dittisham, England. Anchor. 2,641,216, June 9.

Dial, James M., Orlando, Fla. Subcaliber attachment for barrels of guns. 2,641,860, June 16.

Diamond, Abraham: *See*—
Williams, Jack, and Diamond.

Diamond Alkali Company, assignee: *See*—
Banner, Robert G.
Brumbaugh, Chester C.
Cooper, Robert S.
Craig, Ralph W.
Danison, Robert C.
Dereich, John E.
Dunning, Clayton L.
Hirsch, Alfred.
Knuth, Emil H.
Perloff, John W., and Jacobson.
Perrin, Tom S.
Perrin, Tom S., and Banner.
Seyb, Leslie P., and Neros.

Diamond Crystal Salt Co., assignee: *See*—
Dunn, Joseph A., and Diamond.
Gilkey, William K., and Shuman.
Miller, Frank G.

Diamond, Emanuel, Philadelphia, Pa., assignor of one-half to C. Frankford, Havertown, Pa. Umbrella construction. 2,640,450, June 2.

Diamond Expansion Bolt Company, assignee: *See*—
Karitzky, John.
Scheffer, Harvey D. G.

Diamond, Horace W.: *See*—
Dunn, Joseph A., and Diamond.

Diamond, Hymen, assignee: *See*—
Klein, Howard F.

Diamond Match Company, The, assignee: *See*—
Olson, Eric P.
Wells, Roger.

Diamond, Milton, Trenton, N. J. Device for anchoring springs. 2,663,361, Dec. 22.

Diamond, Milton J., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Amplifying and triggering means for magnetic hardness testers. 2,645,341, July 14.

Diamond, Milton J., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Electronic hardness sorter. 2,647,628, Aug. 4.

Diamond Paper & Box Company, assignee: *See*—
Stopper, Charles A.

Diamond Power Specialty Corporation, assignee: *See*—
De Mart, Le Roy S.
Good, James A.

Diamond, Sylvan, Detroit, Mich. Armrest for automobiles. 2,642,926, June 23.

Diamond, William E., assignor to E. W. Sharpe, Corinth, Miss. Coating device for coating elongated objects. 2,649,757, Aug. 25.

Dian, Walter: *See*—
Harrison, Joseph R., Jr., and Dian.

Diaz, Arturo L. A.: *See*—
Cerna, Carlos G., and Diaz.

Diaz, Domingo O., assignor to N. Porter Saddle and Harness Company, Phoenix, Ariz. Saddle structure. 2,624,167, Jan. 6.

Diaz, Floyd C.: *See*—
Abbett, William A., Jr., and Diaz.

Di Bari, Joseph, Brooklyn, N. Y. Revolving tray for whiskey bottles and glasses. 2,624,651, Jan. 6.

Di Bartolomeo, Nicola, Brockton, Mass. Elevator safety brake. 2,634,829, Apr. 14.

Dibble, George C.: *See*—
Bishop, William J., and Dibble.

Dibble, Vaughan R., Tangerine, and V. R. Dibble, Jr., Eustis, assignors of one-third to E. J. Newhouse, Mount Dora, Fla. Air injector. 2,652,973, Sept. 22.

Dibble, Vaughan R., Jr.: *See*—
Dibble, Vaughan R., and V. R. Dibble, Jr.

Dibdin, Thomas J. R., Maghull, Liverpool, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Centrifugal pump. 2,649,050, Aug. 18.

Dibelka, Henry G., assignor to Auto Lamp Manufacturing Co., Chicago, Ill. Switch for use in turn-indicating signaling systems. 2,656,426, Oct. 20.

Di Blasi, Frank, Cedarwood Park, N. J. Fused circuit plug-in receptacle. 2,636,096, Apr. 21.

Dibos, Richard A.: *See*—
Affel, Herman A., Jr., and Dibos.

Dibrell, James W., Brooklyn, N. Y. Instrument for drawing ellipses and related figures. 2,645,854, July 21.

Dick, A. B., Company, assignee: *See*—
Johnson, Clyde W.
Klimkowski, Robert J.

Dick, Ernest L., Wichita, Kans. Adjustable tap holder. 2,625,402, Jan. 13.

Dick, George M., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Hydraulic support for log debarking drum. 2,630,153, Mar. 3.

Dick, James B., Birmingham, and H. Vanderburg, Brighton, Ala. Take-up attachment for steering idler arms. 2,631,864, Mar. 17.

Dick, John, Fresno, Calif. Vent cap. 2,629,456, Feb. 24.

Dick, John R.: *See*—
Killinger, Arden H., and Dick.

Dickas, Frederick D., assignor to The Sidney Machine Tool Company, Sidney, Ohio. Variable-speed mechanism. 2,630,718, Mar. 10.

Dickason, Nolan E., assignor to Hays Manufacturing Company, Erie, Pa. Machine for drilling, tapping, and inserting stops in a pipe. 2,647,419, Aug. 4.

Dicke, Allen A., assignee: *See*—
Dicke, Robert H.

Dicke, Allen A., Montclair, N. J. Operating l
for breech closing mechanisms. 2,648,153

Dicke, Oscar H., New Bremen, Ohio. Time sy
mechanism. 2,651,168, Sept. 8.

Dicke, Robert H., Cambridge, Mass., assignor,
assignments, to the United States of Americ
sented by the Secretary of War. Radio n
mitter. 2,624,836, Jan. 6.

Dicke, Robert H., Cambridge, Mass., assignor
assignments, to the United States of Americ
sented by the Secretary of War. Object det
tem. 2,624,876, Jan. 6.

Dicke, Robert H., Princeton, N. J. Method and
for counting selected electrical transients.
June 9.

Dicke, Robert H., Princeton, N. J. Sound rec
reproducing apparatus. 2,641,656, June 9.

Dicke, Robert H., Princeton, assignor of one-h
Dicke, Montclair, N. J. Power transmission.
Oct. 27.

Dickens, Le Roy L., De Ridder, La. Light
attachment for firearms. 2,657,303, Oct. 27.

Dickenson, Ralph W., Anaheim, Calif. Soil c
agents of desert plant origin and their use.
Nov. 10.

Dickerman, Fred N.: *See*—
Horne, Richard C., Roth, and Dickerman.

Dickerman, Harry K.: *See*—
Nyden, Robert, and Dickerman.

Dickerman, Hubert E., Springfield, Mass. Fe
ratus. 2,628,835, Feb. 17.

Dickerman, Hubert E., Springfield, assignor
Arms Corporation, Chicopee Falls, Mass. Ma
ing means. 2,630,175, Mar. 3.

Dickerman, Hubert E., Springfield, Mass. St
and reel apparatus. 2,633,304, Mar. 31.

Dickerson, Paul: *See*—
Wright, Charles C., and Dickerson.

Dickert, Joseph J., Jr.: *See*—
Hartough, Howard D., Dickert, and Meisel.

Dickert, Robert S.: *See*—
Gary, Charles V., and Dickert.

Dickey, Frank H., Berkeley, assignor to She
ment Company, Emeryville, Calif. Peresters
carboxylic acids. 2,661,363, Dec. 1.

Dickey, George D., assignee: *See*—
Sadtler, Philip B.

Dickey, John W.: *See*—
Aumick, K. Donald, and Dickey.

Dickey, John W., Newfield, N. Y., assignor to B
tion Corporation. Method and apparatus fo
ing the freezing point of liquids. 2,633,736

Dickey, John W., Newfield, N. Y., assignor to B
tion Corporation. Switch actuating
2,640,899, June 2.

Dickey, John W., Newfield, N. Y., assignor
Aviation Corporation. Engine-function switc
anism. 2,648,746, Aug. 11.

Dickey, John W., Newfield, N. Y., assignor to B
tion Corporation. Electrical heating system.
Dec. 29.

Dickey, John W., Newfield, E. E. Hood, Elmira
Gerwig, Elmira Heights, N. Y., assignors
Aviation Corporation. Freezemeter. 2,63
21.

Dickey, John W., Newfield, and E. E. Hood, El
assignors to Bendix Aviation Corporation. F
2,635,458, Apr. 21.

Dickey, John W., Newfield, and E. E. Hood, El
assignors to Bendix Aviation Corporatio
meter. 2,651,194, Sept. 8.

Dickey, Joseph B.: *See*—
Coover, Harry W., and Dickey.
Coover, Harry W., Jr., and Dickey.
Coover, Harry W., Jr., Dickey, and Shearer
Stanin, Theodore E., and Dickey.
Stanin, Theodore E., Dickey, and Coove
Straley, James M., and Dickey.

Dickey, Joseph B., assignor to Eastman Koda
Rochester, N. Y. Nuclear monohalogenated
4-β-fluoro-alkylamino-anthraquinone compo
process for their preparation. 2,624,746, Ja

Dickey, Joseph B., assignor to Eastman Koda
Rochester, N. Y. 1-hydroxy-4-β-cyanop
anthraquinone and preparing same. 2,659,7

Dickey, Joseph B., T. E. Stanin, and H. W.
assignors to Eastman Kodak Company, Roch
Solutions of polymers of acrylonitrile. 2,64
16.

Dickey, Joseph B., and T. E. Stanin, assigno
man Kodak Company, Rochester, N. Y.
isopropenyl esters. 2,646,437, July 21.

Dickey, Joseph B., and G. J. Taylor, Kings
assignors to Eastman Kodak Company, Roch
2.4 - bis(methylsulfonyl) - benzeneazo - n
alkyl-n-β-cyanoethylaniline compounds. 2,64
18.

Dickey, Joseph B., and H. W. Coover, Jr., a
Eastman Kodak Company, Rochester, N. Y
ization with alkyl phosphite catalysts.
Sept. 15.

Dickey, Joseph B., and E. B. Towne, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. 2-amino-5-nitrothiazole azo dye compounds. 2,659,719, Nov. 17.

Dickey, Joseph B., and E. B. Towne, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. 1,5-dihydroxy-8-halo-4-aminoanthraquinone compounds. 2,659,740, Nov. 17.

Dickey, Paul S.: *See*—
Rutherford, Victor S., Hornfeck, and Dickey.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,629,552, Feb. 24.

Dickhart, Dewey B.: *See*—
Fox, Gerald B., and Dickhart.

Dickie, Alan B., Bath, Somerset, England. Dial indicating mechanism for measuring instruments. 2,644,335, July 7.

Dickieson, Edward F., Jr., deceased, Detroit, Mich.; N. L. Dickieson, executrix, assignor to N. L. Dickieson. Refrigeration control mechanism. 2,626,506, Jan. 27.

Dickieson, Edward F., Jr., deceased, Detroit, Mich.; N. L. Dickieson, executrix, assignor to N. L. Dickieson. Apparatus for controlling refrigerating systems. 2,626,507, Jan. 27.

Dickieson, Nathalie L., executrix, assignee: *See*—
Dickieson, Edward F., Jr.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic multiplier. 2,641,407, June 9.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Controllable multivibrator circuit. 2,641,706, June 9.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Trigger circuit. 2,647,995, Aug. 4.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Automatic pressure measuring and indicating system. 2,651,204, Sept. 8.

Dickinson, Arthur H., Greenwich, Conn., B. E. Phelps, Wappingers Falls, and C. A. Bergfors, Yonkers, assignors to International Business Machines Corporation, New York, N. Y. Electronic dividing and multiplying apparatus. 2,624,508, Jan. 6.

Dickinson, Calvin L.: *See*—
Grondal, Bror L., and Dickinson.

Dickinson, Fairleigh S., Jr., Rutherford, N. J. Vial. 2,660,171, Nov. 24.

Dickinson, Floyd B., New Brunswick, N. J., assignor, by mesne assignments, to Elgin Manufacturing Company, Elgin, Ill. Automatic stoppering machine. 2,635,800, Apr. 21.

Dickinson, John T., Basking Ridge, assignor to The M. W. Kellogg Company, Jersey City, N. J. Fractionation of fatty materials. 2,660,590, Nov. 24.

Dickinson, Lee A., Ben Lomond, Calif. Safety switch. 2,659,791, Nov. 17.

Dickinson, Norman L., Basking Ridge, assignor to The M. W. Kellogg Company, Jersey City, N. J. Heat transfer between exothermic and endothermic reactions. 2,642,381, June 16.

Dickinson, Norman L., Basking Ridge, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of fatty acids from hydrocarbon solutions thereof. 2,660,601, Nov. 24.

Dickinson, Norman L., Basking Ridge, assignor to The M. W. Kellogg Company, Jersey City, N. J. Gasification of powdered caking type coal. 2,662,007, Dec. 8.

Dickinson, Robert C.: *See*—
Hobbs, Maurice H., Dickinson, and Idzkowski.
Rawlins, Herbert L., Dickinson, and Frink.

Dickison, William: *See*—
Fletcher, Lynn, and Dickison.

Dickover, Marion W.: *See*—
Rupp, John L., Dickover, Willihnganz, and Snyder.

Dickson, Benjamin A., Paoli, assignor to Terminal Warehouse Company, Philadelphia Pa. Lift truck and attachment therefor. 2,651,428, Sept. 8.

Dickson, John, assignor of one-half to W. J. Prendergast, Jr., Portland, Oreg. Silo charging and emptying machine. 2,649,215, Aug. 18.

Dickson, John B.: *See*—
Zeder, Henry H., Dickson, and Zeeb.

Dickson, John B., assignor to Chrysler Corporation, Highland Park, Mich. Electric light bulb unit. 2,645,736, July 14.

Dickson, Robert B., Cleveland, Ohio. Toy pistol. 2,641,242, June 9.

Dickson, Roy H., assignor to Control Forms, Inc., Cleveland, Ohio. Repair service manifolding set. 2,653,831, Sept. 29.

Dicoskey, John H., Pittsburgh, Pa. Christmas tree holder. 2,630,994, Mar. 10.

Dictaphone Corporation, assignee: *See*—
Petruschell, Lucius P.
Rescsanski, Joseph A., and Hopkins.
Trevitt, John H.
Yerkovich, Simon.

Dictavox Company, Inc., assignee: *See*—
Webb, Horace L.

Diderrich, George T., Milwaukee, Wis. Fishing rod or pole holder. 2,628,795, Feb. 17.

Diebold, Edward J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Series capacitor protection. 2,664,525, Dec. 29.

Diebold, Edward J., Ardmore, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Series capacitor protector. 2,664,526, Dec. 29.

Diebold, George L., assignor to Venus Foundation Garments, Inc., Chicago, Ill. Foundation garment. 2,659,889, Nov. 24.

Diebold, George L., assignor to Venus Foundation Garments, Inc., Chicago, Ill. Brassière. 2,663,872, Dec. 29.

Diebold, Incorporated, assignee: *See* —
Behrens, Herbert C.
Talmage, John H., and Finley.

Diebold, Pierre, Nancy, France. Feeder for bucket elevators. 2,633,225, Mar. 31.

Dieckhoff, Henry F., Brooklyn, N. Y. Supporting device. 2,630,286, Mar. 3.

Diederich, Joseph F., La Grange, Ill. Package for deodorants, statuaries, and the like. 2,628,713, Feb. 17.

Diedring, John H.: *See*—
Michel, Clarence A., Mead, Diedring, and Barcus.

Diefenderfer, William E.: *See*—
Radtke, Edward W., and Diefenderfer.

Diefenderfer, William E., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Blade retention means with increased stiffness. 2,628,688, Feb. 17.

Diefenderfer, William E., and A. N. Allen, Jr., Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Vane motor center post loading device. 2,628,685, Feb. 17.

Dieffenderfer, Daniel S., Easton, Pa., and A. L. M. Bixler, Milford, N. J., assignors to Riegel Paper Corporation, New York, N. Y. Producing porous paper. 2,635,958, Apr. 21.

Dieffenderfer, George H.: *See*—
Dieffenderfer, John E. and G. H.

Dieffenderfer, John E. and G. H., Constantine, Mich.; said G. H. Dieffenderfer assignor to said J. E. Dieffenderfer. Attaching means for electric connection boxes. 2,635,778, Apr. 21.

Diehl, Edward J., Silverton, assignor to Farspan Industries, Inc., Island Heights, N. J. Burner ignition and control system. 2,630,167, Mar. 3.

Diehl, Elias S., Bedford, Pa. Stone gathering machine. 2,640,306, June 2.

Diehl, John E., assignor to Stackpole Carbon Company, St. Mary's, Pa. Ammeter with swinging permanent magnet. 2,624,769, Jan. 6.

Diehl, John E., and P. Smisko, assignors to Stackpole Carbon Company, St. Marys, Pa. Electrical machine brush and prolonging its life. 2,656,475, Oct. 20.

Diehl, John M.: *See*—
Andersen, Gordon W., and Diehl.

Diehl, Karl L., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Fluid seal. 2,637,574, May 5.

Diehl, Philip A., assignor to The Norwalk Paper Box Company, Norwalk, Ohio. Utility case. 2,636,662, Apr. 28.

Diekman, George S., Aplington, Iowa. Collapsible hog cradle. 2,653,347, Sept. 29.

Diels, Albert F. M., assignor to Poudreries Reunies de Belgique, Societe Anonyme, Brussels, Belgium. Grenade fuse. 2,646,750, July 28.

Diels, Albert F. M., Balen-Wezel, assignor to Poudreries Reunies de Belgique S. A., Bruxelles, Belgium. Land mine. 2,661,690, Dec. 8.

Diels, Albert F. M., Balen-Wezel, assignor to Poudreries Reunies de Belgique S. A., Brussels, Belgium. Percussion device for land mines. 2,661,693, Dec. 8.

Diem, Bert, Glenview, Ill. Restaurant check having phosphorescent area for check total. 2,632,116, Mar. 17.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency electron discharge tube system. 2,643,332, June 23.

Diemer, Gesinus, and K. Rodenhuis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ultrahigh-frequency electric discharge tube. 2,663,822, Dec. 22.

Diener, Jack, Washington, D. C. Dental instrument. 2,655,726, Oct. 20.

Dierkes, Mary T., Long Beach, Calif. Proportioning divider. 2,645,021, July 14.

Diesbach, F. B., trustee, assignee: *See*—
Waechter, Harry J.

Diesel Oil Burner Corp. of N. Y., assignee: *See*—
Berger, Jack.

Diesel, Richard H., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Outside auxiliary door lock for automobiles. 2,644,709, July 7.

Diesel, Richard H., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Tumbler lock with freely rotating key plug. 2,648,972, Aug. 18.

Diesenhaus, Sidney: *See*—
Gellman, Abraham, and Diesenhaus.

Diesfeld, Gerhard J., deceased, by R. S. Diesfeld, executrix, Olean, N. Y. Lantern bracket. 2,655,337, Oct. 13.

Diesfeld, Rose S., executrix: *See*—
Diesfeld, Gerhard J.

Diessl, Ernst, Braunschweig, Germany. Electric plug and socket coupling. 2,663,007, Dec. 15.

Dieter, Louis V., assignee: *See*—
Hall, Charles G.

Dietert, Harry W., assignor to Harry W. Dietert Company, Detroit, Mich. Forming and testing specimens of molding material. 2,647,397, Aug. 4.

Dietert, Harry W., Detroit, Mich., W. P. Adair, Mayfield Heights, and E. C. Zirzow, Cleveland Heights, Ohio, assignors to Harry W. Dietert Company, Detroit, Mich. Hardness testing indicator. 2,643,460, June 30.

Dietert, Harry W., Company, assignee: *See*—
Dietert, Harry W.
Dietert, Harry W., Adair, and Zirzow.

Dieterich, Adolph, Brooklyn, N. Y. E-Z feeding baby spoon for liquid or medicines. 2,640,263, June 2.

Dieterich Products Corporation, assignee: *See*—
Dieterich, Richard E.
Lincoln, Wilbur C.

Dieterich, Richard E., Long Beach, assignor to Dieterich Products Corporation, Michigan City, Ind. Vehicle windshield shade. 2,628,124, Feb. 10.

Diethelm, Alois, Spokane, Wash. Turbine. 2,638,311, May 12.

Diethelm, John A., Victoria, Minn. Beet topper. 2,629,979, Mar. 3.

Dietler, Hans, assignor to Therma Fabrik für elektrische Heizung A. G., Schwanden, Switzerland. Motor-driven compressor. 2,629,542, Feb. 24.

Dietrich, Albert, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Knockdown arch structure. 2,647,475, Aug. 4.

Dietrich, Albert, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Sectional insulated floor. 2,663,915, Dec. 29.

Dietrich, Anselm F., West Long Branch, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for modifying the amplitude range of microwave signals. 2,652,540, Sept. 15.

Dietrich, Cornelius F., Southall, and H. J. Smith, assignors to Optical Measuring Tools Limited, Slough, England. Apparatus for optically gauging profiles. 2,628,528, Feb. 17.

Dietrich, Henry J., Thermal, Calif. Method and apparatus for making screens. 2,635,657, Apr. 21.

Dietrich, Howard H.: *See*—
Jorgensen, Clarence H., Nickel, Dietrich, and Worden.

Dietrich, Paul, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Plate cylinder for rotary printing machines. 2,627,229, Feb. 3.

Dietrich, Raymond W.: *See*—
Russell, Fred J., Dietrich, and Solovieff.

Dietrich, Robert L.: *See*—
Perry, Robert E., Ansel, and Dietrich.

Dietrich, Walter L.: *See*—
Collins, Frank W., and Dietrich.

Dietrich, Walter L., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Adjustable multiple circuit control switch. 2,642,503, June 16.

Dietrich, Walter L., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Hermetically sealed lever operated switch. 2,644,061, June 30.

Dietsch, Francis W., and C. W. Musser, Philadelphia, and A. M. Stott, Aldan-Clifton Heights, Pa. Kinetic torsion testing machine. 2,633,742, Apr. 7.

Dietsche, Oscar A., Los Angeles, Calif. Double point ignition distributor. 2,624,810, Jan. 6.

Dietz, Clifford H., assignor to Hall-Neal Furnace Company, Indianapolis, Ind. Forming a fin radiator assembly. 2,644,225, July 7.

Dietz, Edward A., Westfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Record-disk centering and clamping mechanism. 2,634,134, Apr. 7.

Dietz, John J., New Milford, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Strain-sensitive electrical device and system therefor. 2,629,038, Feb. 17.

Dietz, John J., New Milford, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Radiant heating system. 2,649,530, Aug. 18.

Dietz, Karl, Kronberg, Taunus, assignor to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius and Bruning, Frankfurt am Main Hochst, Germany. Self-hardening water-glass compositions. 2,662,022, Dec. 8.

Dietzgen, Eugene, Co., assignee: *See*—
Davey, Clarence P.

Di Federico, John, and N. S. Di Lorenzo, Southbridge, Mass. Pipe ash ejector. 2,649,762, Aug. 25.

Digby, James J., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,655,048, Oct. 13.

Digby, James J., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter drive. 2,660,891, Dec. 1.

Digby, Thomas J., New York, N. Y. Ammonia containing water heating unit. 2,645,209, July 14.

Di Gemma, Joseph P., Brooklyn, N. Y. Nonspilling paint palette. 2,633,656, Apr. 7.

Di Ghilini, Alexander E., administrator: *See*—
Di Ghilini, Ulrich L.

Di Ghilini, Leo E., administrator: *See*—
DiGhilini, Ulrich L.

Di Ghilini, Ulrich L., deceased, late of Beverly Hi
by A. E. and L. E. di Ghilini, administrator
Hills, Calif. Arm for recording and reprod
paratus. 2,643,886, June 30.

Di Giacinto, Joseph A., Tonghkenamon, Pa.,
Amabili, Hockessin, Del. Treating mushr
product. 2,635,051, Apr. 14.

Di Giorgio, Philip A., Schenectady, N. Y., now
of name P. D. George, assignor to Genera
Company. Thienyl-substituted polysiloxanes.
June 2.

Di Giorgio, Philip A., Schenectady, N. Y., now
of name P. D. George, assignor to Genera
Company. Organosilicon composition.
June 2.

Di Giorgio, Philip A., Schenectady, N. Y., now
of name Philip D. George, assignor to Genera
Company. Thienyl halosilanes. 2,645,644, J

Di Giovanna, Tigellia C., Brooklyn, N. Y. Holde
wool. 2,629,890, Mar. 3.

Dike, Howard R., Portland, Oreg. Press for
the surplus mercury from an amalgam.
Sept. 8.

Dikeman, Myron J., Grosse Pointe Woods, Mic
power drive and control unit. 2,644,561, July

Di Langiano, Louis T., Bronx, N. Y. Electrica
steering wheel. 2,652,476, Sept. 15.

Dileo, Dominick, Utica, N. Y. Plumbing tra
2,651,382, Sept. 8.

Dillone, Rocco, Red Bank, N. J. Speaker protect
for drive-in theaters. 2,661,505, Dec. 8.

Di Lizio, Alexander: *See*—
De Merolis, Joseph, and Di Lizio.

Dill, Everett C., Arlington, S. Dak., and L. W
Ilchester, Md., assignors to Westinghouse Ele
poration, East Pittsburgh, Pa. Blocking oscil
tem. 2,640,151, May 26.

Dill, Glenn A., El Dorado, Ark., assignor to J.
Houston, Tex. Pipe severing method and
2,629,445, Feb. 24.

Dill Manufacturing Company, The, assignee: *S*
Boyer, Ralph K.
Smoleny, George J.

Dillard, James, Cincinnati, Ohio. Bolt-hol
wrench. 2,659,258, Nov. 17.

Dillard, James E., Memphis, Tenn. Composite
2,625,838, Jan. 20.

Dillard, James E., Memphis, Tenn. Throttle contr
2,638,082, May 12.

Dille & McGuire Mfg. Co., assignee: *See*—
Knarzer, Herman C.

Diller, Alfred I., Bronx, N. Y. Lens grinding and
machine. 2,632,288, Mar. 24.

Dilliard, Paul D.: *See*—
Brenner, Ralph F., and Dilliard.

Dilling, Elmer D., and G. L. Frederic, Albany,
signors to the United Sttaes of America as re
by the Secretary of the Interior. Removing s
zirconium metal and alloys thereof. 2,653,134

Dillman, Earnest J., assignor to Detroit Lubric
pany, Detroit, Mich. Flow switch. 2,628,296

Dillman, Earnest J., assignor to Detroit Controls
tion, Detroit, Mich. Heating and cooling
2,631,781, Mar. 17.

Dillman, Earnest J., Detroit, Mich., assignor
Controls Corporation. Control device. 2,638
12.

Dillman, Earnest J., Detroit, Mich., assignor
Controls Corporation. Actuating mechanism.
Nov. 3.

Dillman, Earnest J., assignor to Detroit Cont
poration, Detroit, Mich. Refrigeration c
valve. 2,657,861, Nov. 3.

Dillman, Earnest J., and F. C. Galley, assignors
Controls Corporation, Detroit, Mich. Automat
erated valve. 2,631,598, Mar. 17.

Dillman, Earnest J., and T. E. Noakes, assignors
Controls Corporation, Detroit, Mich. Refrige
pansion valve and adjustment mechanism
2,663,502, Dec. 22.

Dillon, Vincent J., Jersey City, N. J. Visor
for automobile interior. 2,641,684, June 9.

Dillon, Wendell M., assignor to Watts Regulator
Lawrence, Mass. Control responsive to fl
2,631,601, Mar. 17.

Dills, Raymond L., Erie, Pa., assignor to Genera
Company. Oil flow control for dry sump
2,645,102, July 14.

Di Lorenzo, Giuseppe, Milan, Italy. Internal-co
pump. 2,662,487, Dec. 15.

Di Lorenzo, Norman S.: *See*—
Di Federico, John, and Di Lorenzo.

Di Loreto, Anthony W., Brewster, Ohio. Dash
strument drawer. 2,630,187, Mar. 3.

Dilts, Carl E., assignor of one-half to Joseph
Saginaw, Mich. Turning and boring machine.
Nov. 24.

Dilts, Carl E., assignor of one-half to J. H. Hoern,
Mich. Boring and turning machine. 2,641,14

Dilts, Lee E.: *See*—
Flaws, John Jr., and Dilts.

Dilworth, John P., Fishkill, assignor to The Texas Company, New York, N. Y. Grease containing diphenyl P-phenylene diamine and a phosphorus acid ester and making said grease. 2,663,691, Dec. 22.

Dilworth, John P., Fishkill, G. W. Eckert, Glenham, and W. J. Coppoc, Beacon, assignors to The Texas Company, New York, N. Y. Preparing alkali metal greases. 2,626,896, Jan. 27.

Dilworth, John P., Fishkill, G. W. Eckert, Glenham, and W. J. Coppoc, Beacon, assignors to The Texas Company, New York, N. Y. Preparing alkali metal greases. 2,626,898, Jan. 27.

Dilworth, John P., and C. H. Culnane, Fishkill, assignors to The Texas Company, New York, N. Y. Lubricating grease comprising a complex ester base and sodium myristate. 2,639,266, May 19.

Dimick, Daniel B., Wellesley, Mass. Lock joint cradle invert underdrain pipe. 2,648,200, Aug. 11.

Dimmick, Glenn L.: *See*—
Diddop, Mary E., and Dimmick.

Dimmick, Glenn L., and M. E. Widdop, Haddon Heights, N. J., assignors to Radio Corporation of America. Producing a light slit. 2,633,427, Mar. 31.

Dimmock, Norman A., Woking, assignor to Power Jets (Research and Development) Limited, London, England. Gaseous fluid flow system. 2,662,553, Dec. 15.

Dimond, Edwin G., Flint, Mich. Key holder. 2,625,190, Jan. 13.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic induction translator. 2,657,272, Oct. 27.

Dinerstein, Robert A., Park Forest, assignor to Standard Oil Company, Chicago, Ill. Aryl mercuric fungicide and using the same. 2,637,677, May 5.

Dinerstein, Robert A., assignor to Standard Oil Company, Chicago, Ill. Purification of straight-chain monohydric alcohols. 2,663,703, Dec. 22.

Dinerstein, Samuel: *See*—
Gibbs, Thomas B., Dinerstein, and Gilman.

Dinga, Emil W., Bayside, N. Y., assignor to Mergenthaler Linotype Company. Photocomposing machine. 2,624,798, Jan. 6.

Dingledy, David P., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Glass composition. 2,664,359, Dec. 29.

Dingley, Edward N., Jr., Arlington, Va. Magnetic tape recorder-reproducer. 2,656,419, Oct. 20.

Dingman, Thomas C., and J. W. Jamieson, assignors to Ford Motor Company, Dearborn, Mich. Door lock. 2,624,606, Jan. 6.

Dingman, Thomas C., and J. W. Jamieson, assignors to Ford Motor Company, Dearborn, Mich. Rotary type motor vehicle door lock. 2,634,148, Apr. 7.

Dings Magnetic Separator Co., assignee: *See*—
Injeski, Stanley G.

Dinham, Alfred T., Crabbs Cross, Redditch, assignor to Needle Industries Limited, Birmingham, and William Bywater Limited, Leeds, England. Barbed felting needle for use in needle looms or interlacing machines. 2,663,065, Dec. 22.

Dinkelkamp, Henry T., assignor to Stewart-Warner Corporation, Chicago, Ill. Valve mechanism for reciprocating fluid motors. 2,637,304, May 5.

Dinken, Jack M., New York, N. Y. Buffet counter and bar. 2,661,258, Dec. 1.

Dinley, Clarence F., assignor to Detrex Corporation, Detroit, Mich. Motor control for centrifuges. 2,648,806, Aug. 11.

Dinley, Clarence F., assignor to Detrex Corporation, Detroit, Mich. Solvent saver recovery apparatus. 2,663,950, Dec. 29.

Dinlocker, Charles A., and A. F. Steiert, Philadelphia, Pa. Alphabetical and numerical character. 2,655,750, Oct. 20.

Di-Noc Company, The, assignee: *See*—
Reese, Thomas S.

Dinsmore, Margaret, Summit, N. J., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Dinsmore. Spaced wall insulated container. 2,633,264, Mar. 31.

Dinstman, Hyman, assignor to I. D. Watch Case Co., Inc., New York, N. Y. Compass crystal for watches. 2,636,283, Apr. 28.

Dinstman, Hyman, assignor to I. D. Watch Case Co., Inc., New York, N. Y. Watchcase with cover. 2,636,338, Apr. 28.

Dinwiddie, James A., and C. J. G. Leesemann, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalyst for producing aromatic hydrocarbons. 2,632,739, Mar. 24.

Dion, Amedee, assignor to Dion Freres Inc., Ste-Therese de Blainville, Quebec, Canada. Flow apron for threshers. 2,646,802, July 28.

Dion Freres Inc., assignee: *See*—
Dion, Amedee.

Dion, Gerald J.: *See*—
Dion, Walter G., and G. J.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism for looms. 2,625,180, Jan. 13.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,649,865, Aug. 25.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms 2,649,866, Aug. 25.

Dion, Walter G., and G. J., Buffalo, N. Y. Sound and heating apparatus for drive-in theaters. 2,660,943, Dec. 1.

Dionisotti, Joseph, Monthey, Switzerland. Mining trepan. 2,648,524, Aug. 11.

Dionne, John C., Chicago, Ill. Apparatus for the detection of flaws. 2,657,355, Oct. 27.

Diotti, Giacinto, Torviscosa, Italy. Excavating and earth scattering machine. 2,627,681, Feb. 10.

Di Palo, Giuseppe, Turin, Italy. Fluid pressure operated rotary work or tool holder. 2,655,383, Oct. 13.

Di Perna, Joseph P., Fort Worth, Tex. Electrotherapeutic device. 2,624,342, Jan. 6.

Dirkes Industries, Inc., assignee: *See*—
Hinz, Theodore A.

Dirksen, Ole A., Spencer, Iowa. Grease gun. 2,650,744, Sept. 1.

Dirksen, Paul F.: *See*—
Squyer, Albert R., and Dirksen.

Di Rosa, Angel and C., and A. E. Hayes, Buenos Aires, Argentina. Pattern-controlled reproducing lathe. 2,624,378, Jan. 6.

Di Rosa, Carmelo: *See*—
Di Rosa, Angel and C., and Hayes.

Diratine, Philip H., Saratoga, and E. L. Dance, Pittsburg, Calif., assignors to The Dow Chemical Company, Midland, Mich. Making vinylidene chloride and vinyl chloride. 2,628,259, Feb. 10.

Discenza, Joseph: *See*—
Kellien, Saul, and Discenza.

Discount, Bernard, Jamaica, N. Y. Rotary filing apparatus. 2,651,305, Sept. 8.

Disera, Samuel J., Joliet, assignor of one-half to C. A. McClure, Chicago, Ill. Picnic cloth holder. 2,647,718, Aug. 4.

Diserens, John D., La Russell, Mo. Sack holder. 2,643,842, June 30.

Dishal, Milton, and J. S. Le Grand, Nutley, N. J., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Coupling circuits. 2,644,927, July 7.

Disinger, Claude: *See*—
Ulrich, Frederick, and Disinger.

Dissell, William F., Cleveland, Ohio. Rotary action pull toy. 2,632,283, Mar. 24.

Disston, Henry, and Sons, Inc., assignee: *See*—
Ackley, Richard E.
Bye, Norman C.

Di Stefano, Frank J., Brooklyn, N. Y. Chemical water heater. 2,636,489, Apr. 28.

Distillers Company Limited, The, assignee: *See*—
Archibald, William F.
Bellringer, Frederick J., Bewley, Snell, and Turck.
Cash, Wilfrid E., and Gell.
Coppock, Philip D., Mulligan, McCombie, and White.
Daglish, Anthony F., and Faulkner.
Gasson, Edward J., Millidge, and Webster.
Hadley, David J., and Heap.
Hall, Reginald H.
Hart, Kenneth C.
Hutchinson, Henry M.
Jacobs, David I. H., Hadley, and Heap.
Milne, John N., Faulkner, and Hollis.
Young, Donald P.

Ditisheim, Robert, La Chaux-de-Fonds, Switzerland. Alarm wrist watch. 2,644,294, July 7.

Ditlow, Harry G., Philadelphia, Pa. Portable clothes drier. 2,629,810, Feb. 24.

Ditta A. Gazzoni & Co., assignee: *See*—
Negri, Mario.

Ditter, Francis J., Minneapolis, Minn. Vane controlled stabilizing rigging for aircraft landing skids. 2,625,350, Jan. 13.

Ditting, Adolf, Zurich, Switzerland. Device for sharpening the blades of slicing machines for slicing eatables. 2,632,289, Mar. 24.

Dittman, Albert L., Jersey City, and J. M. Wrightson, North Bergen, assignors to The M. W. Kellogg Company, Jersey City, N. J. Manufacture of halocarbons. 2,636,908, Apr. 28.

Dittman, Leslie A., Corning, and P. E. Dittman, Manhasset, N. Y. Roll type paper dispensing cabinet. 2,657,873, Nov. 3.

Dittman, Paul E.: *See*—
Dittman, Leslie A., and P. E.

Dittmer, Raymond A., Detroit, assignor to Continental Motors Corporation, Muskegon, Mich. Carburetor. 2,627,852, Feb. 10.

Ditto, Clair R.: *See*—
Watson, Roger W., and Ditto.

Ditto, Incorporated, assignee: *See*—
Bruns, Herbert F.
Gullixson, Harold R., and Burns.
Levin, Carl A.
Levin, Carl A., and Quirk.
Levin, Carl A., and Smith.
Quirk, Robert W.
Smith, Ored L.

Diversey Corporation, The, assignee: *See*—
Dvorkovitz, Vladimir, and Swihart.
Hodgens, John G., Jr.
Swihart, John R.

Divette, Randolph E., Minneapolis, W. H. Gille, St. Paul, and W. L. Huntington, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Anti-backlash gearing. 2,655,050, Oct. 13.

Di Vincenzo, Casey, East Cleveland, Ohio. Clamp-on radiation fin. 2,624,555, Jan. 6.

Di Vincenzo, Casey, East Cleveland, Ohio. Carrier bracket for trucks. 2,637,474, May 5.

Diving Equipment and Supply Co., assignee: *See*—
Browne, Jack.

Divišek, Vladislav, assignor to Prototypa narodni podnik, Brno, Czechoslovakia. Shuttle feeler with weft cutter for replenishment looms. 2,661,027, Dec. 1.

Dixie Cup Company, assignee: *See*—
Carew, Herman, and Mack.

Dixie Mercerizing Company, assignee: *See*—
Luther, William F.

Dixie Wax Paper Company, assignee: *See*—
Bryce, William H.

Dixon, Charles H., assignor to Ex-Cell-O Corporation, Detroit, Mich. Mechanical coin-controlled device. 2,633,961, Apr. 7.

Dixon, Charles S., Oakland, Calif. Lifting tongs. 2,634,152, Apr. 7.

Dixon, Edward C., Rocky River, and W. E. Chilton, Cleveland, assignors to Continental Hospital Service, Inc., Lakewood, Ohio. Infant incubator. 2,624,333, Jan. 6.

Dixon, Howard B., and F. Almada, San Francisco, Calif. Collator sheet ejecting means. 2,624,571, Jan. 6.

Dixon, Ira W., Greenwood, S. C., and J. R. Pangle, Charlotte, N. C.; said Pangle assignor to said Dixon. Fiber separating machine. 2,635,297, Apr. 21.

Dixon, James K.: *See*—
Cowen, Frank M., and Dixon.

Dixon, James K., Riverside, and N. T. Woodberry, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Animalization of cellulose. 2,654,715, Oct. 6.

Dixon, James V.: *See*—
Dixon, Victor V. and J. V.

Dixon, Joseph, Crucible Company, assignee: *See*—
Hasselquist, Hugo S.

Dixon, Julian A.: *See*—
Charles, Frank R., and Dixon.

Dixon, Logan T., Elizabethtown, Ky. Protective cover. 2,648,932, Aug. 18.

Dixon, Thomas W., and L. W. Sproule, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Aromatic-free mineral oil rust inhibiting compositions. 2,637,703, May 5.

Dixon, Victor V., Lebanon, Oreg. Wrapper crimping apparatus. 2,627,711, Feb. 10.

Dixon, Victor V. and J. V., Lebanon, Oreg. Animated decoy and actuating means therefor. 2,663,108, Dec. 22.

Dixon, Walter J., U. S. Army, Fort Lee, Va. Permanently attached closure device for containers. 2,642,204, June 16.

Di Zazzo, Benedetti, Syracuse, N. Y. Fountain attachment for combs. 2,646,803, July 28.

Di Zazzo, Benedetti, Syracuse, N. Y. Hair trimming and shaving attachment for combs. 2,663,930, Dec. 29.

Doak Aircraft Company, Incorporated, assignee: *See*—
Doak, Edmond R.
Morris, Charles W., and Kent.
Ozenne, Gilbert J.

Doak, Edmond R., Los Angeles, assignor to Doak Aircraft Company, Inc., Torrance, Calif. Helicopter stabilizing device. 2,625,997, Jan. 20.

Doak, Edmond R., Los Angeles, Calif. Fruit gatherer. 2,643,754, June 30.

Doak, George O., and L. D. Freedman, Chapel Hill, N. C., assignors to the United States of America as represented by the Administrator of the Federal Security Agency. Preparation of organometallic compounds by reaction between dry diazonium compounds and metallic salts in organic solvents. 2,653,160, Sept. 22.

Doan, Jack P., Midland, Mich., assignor to The Dow Chemical Company. Extrusion of metal billets having a temperature gradient. 2,639,810, May 26.

Doan, Richard L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for hydrocarbon determination. 2,663,379, Dec. 22.

Doan, Robert B.: *See*—
Clarke, Edgar W., Doan, and Keenan.

Doane Agricultural Service, Inc., assignee: *See*—
Perkins, Bernon G.

Doba, Stephen, Jr., Whippany, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balanced diode clamper circuit for low-frequency restoration. 2,636,080, Apr. 21.

Doba, Stephen, Jr., Parsippany, and J. W. Rieke, Basking Ridge, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal generating device. 2,660,676, Nov. 24.

Dobbins, Walter J., 3rd, Little Falls, N. J., assignor to American Can Company, New York, N. Y. Tearing strip container with internal seal. 2,636,638, Apr. 28.

Dobbs, Frank G. and S. H., New York, N. Y. Foldable receptacle. 2,625,975, Jan. 20.

Dobbs, Stephan H.: *See*—
Dobbs, Frank G. and S. H.

Dobes, Joseph J., Oak Park, assignor to Co
Chicago, Ill. Electric applicator. 2,632,

Dobkin, Israel T., Pittsburgh, Pa. Can wit
penser. 2,664,223, Dec. 29.

Dobkowski, John J.: *See*—
Carver, Richard N., and Dobkowski.

Doblhoff, Friedrich L. U., St. Louis, Mo. D
secticides or fungicides and steam jet-dri
for performing same. 2,659,556, Nov. 17

Dobrinich, Charles A., Jr., Staunton, Ill.
attachment for bulldozers. 2,626,468, Ja

Dobrogowski, Daniel T., Milwaukee, R. M.
field, and R. H. Jones, West Allis, assignors
Stamping Company, Milwaukee, Wis. Aut
changer for various record sizes. 2,662,7

Dobrolet, Michael: *See*—
Robinson, John W., and Dobrolet.

Dobrowski, Allie P., Chicago, Ill. Manual
for combine table elevators. 2,654,206,

Dobry, Joseph F., Langhorne, Pa., assign
Blabon Corporation, Hutchinson Mills,
ratus and process of producing calendered
terials. 2,624,068, Jan. 6.

Doci, Andy: *See*—
Cline, Roscoe A., and Doci.

Dockins, James O., Stuttgart, Ark. Seed
grader. 2,628,718, Feb. 17.

Dodd, Arthur E., Edgewood, assignor to Wes
Brake Company, Wilmerding, Pa. Annun
2,625,597, Jan. 13.

Dodd, Arthur E., Edgewood, assignor to Wes
Brake Company, Wilmerding, Pa. Apparat
ing recurrent circuit operation. 2,659,880

Dodd, John A., Atlanta, Ga. Low-pressu
hydropneumatic tanks. 2,655,931, Oct. 20.

Dodd, Sidney R., West Caldwell, N. J., and
Merrick, assignors to Oakite Products, In
N. Y. Essentially non-aqueous acid emul
composition. 2,629,696, Feb. 24.

Dodds, Edwin M.: *See*—
Thorpe, Thomas C. G., and Dodds.

Dodds, John, Greenville, S. C. Self-wateri
2,629,204, Feb. 24.

Dodds, Robert B., Woodbridge, assignor to Th
Heating and Lighting Company, Inc., New
Grain aspirating machine. 2,645,345, Jul

Dodds, Robert B., Woodbridge, assignor to Th
Heating & Lighting Company, Inc., New
Flow control apparatus for bulk products
Sept. 22.

Dodds, Robert B., Woodbridge, A. N. Hibbs, M
and J. D. Napier, Hamden, Conn., assig
Safety Car Heating and Lighting Co
Method and apparatus for treating produc
destroying insect life, disintegrating, c
separating. 2,644,740, July 7.

Dodds, Robert B., Woodbridge, and A. N.
Carmel, assignors to The Safety Car Heati
ing Company, Inc., New Haven, Conn. M
2,651,470, Sept. 8.

Dodds, Wellesley J., Cranbury, N. J., assig
Corporation of America. Plural-beam
tube. 2,630,547, Mar. 3.

Dodegge, Carl, Maywood, Ill. Power-ope
trimmer. 2,658,273, Nov. 10.

Dodge, Adiel Y., Rockford, Ill. Transmission
Feb. 24.

Dodge, Adiel Y., Rockford, Ill. One-w
2,630,896, Mar. 10.

Dodge, Adiel Y., Rockford, Ill. Sprag type on
2,631,706, Mar. 17.

Dodge, Adiel Y., Rockford, Ill. Brake. 2,633

Dodge, Adiel Y., Rockford, Ill. Fan d
2,637,308, May 5.

Dodge, Adiel Y., Rockford, Ill. Control mea
motive vehicles. 2,640,372, June 2.

Dodge, Adiel Y., Rockford, Ill. Air-co
2,646,862, July 28.

Dodge, Adiel Y., Rockford, Ill. Brake. 2,648,

Dodge, Adiel Y., Rockford, Ill. Thermosta
trolled clutch and fan drive. 2,652,816, Se

Dodge, Adiel Y., Rockford, Ill. Variable
2,658,400, Nov. 10.

Dodge, Adiel Y., Rockford, Ill. Selective ge
sion. 2,658,405, Nov. 10.

Dodge, Allen A.: *See*—
Dodge, Milton L., and A. A.

Dodge, Howard M., Wabash, Ind., assignor to
Tire and Rubber Company, Akron, Ohio.
silient joints. 2,632,236, Mar. 24.

Dodge, Howard M., and C. Neff, Wabash, In
to The General Tire and Rubber Company,
Flailing type beater means for threshing
2,642,877, June 23.

Dodge, Lloyd L., assignor of one-half to Hig
facturing Company, Highland, Ill. Impreg
and making same. 2,637,665, May 5.

Dodge Manufacturing Corporation, assignee:
Bodie, Alexander T.
Firth, David.

Dodge, Milton L., and A. A., Newburyport, assignors to Compo Shoe Machinery Corporation, Boston, Mass. Shoe forming and pressing machine. 2,660,741, Dec. 1.
Dodge & Olcott, Inc., assignee: *See*—
Johnstone, Claude, and Schumm.
Dodge, Ralph O., West Los Angeles, assignor, by mesne assignments, to Wheelcraft Corporation, Azusa, Calif. Band clamp. 2,651,094, Sept. 8.
Dodge, Sherwood O., Medford, assignor to H. F. Livermore Corporation, Allston, Mass. Letoff drive rod arm. 2,664,113, Dec. 29.
Dodge, Thomas C., Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Automatic can distributor. 2,649,184, Aug. 18.
Dodge, Wesley J., Douglaston, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Drum lift for industrial trucks. 2,653,725, Sept. 29.
Dodington, Sven H. M., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Antenna system. 2,641,756, June 9.
Dodson, David A., Las Vegas, Nev. Safety razor. 2,647,308, Aug. 4.
Dodson, Jaydee I., Chicago, Ill., assignor to United States Steel Corporation. Thermocouple mounting for use in molten steel. 2,642,468, June 16.
Dodson, William C.: *See*—
Drum, Harry S., and Dodson.
Dodt, Elmer C., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Remote control for transmissions. 2,638,013, May 12.
Doe & Ingalls, Inc., assignee: *See*—
Quimby, Arthur G., and Venedam.
Doebell, Albert, Le Locle, Switzerland. Electromagnetically actuated friction coupling with servo-action. 2,649,941, Aug. 25.
Doebell, Albert, Le Locle, Switzerland. Electromagnetically actuated mechanical double-friction coupling. 2,658,593, Nov. 10.
Doebler, Paul E., Monroe, Ohio. Cover for toilet flush tanks. 2,637,360, May 5.
Doeg, Paul R., Lynbrook, and A. W. Croker, Valley Stream, assignors to The Peelle Company, Brooklyn, N. Y. Latch for counterbalanced elevator doors. 2,659,457, Nov. 17.
Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating unit mounting. 2,638,753, May 19.
Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Piston and rod connection. 2,644,731, July 7.
Doehlemenn, Ernst: *See*—
Kaess, Franz, and Doehlemann.
Kaess, Franz, Doehlemann, and Vogel.
Doehler-Jarvis Corporation, assignee: *See*—
Bartholomew, Howard W.
Maier, Herbert N.
Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Synthetic resins. 2,625,530, Jan. 13.
Doelter, Gandolph C., Paris, France, assignor to Vadolt Trust, Vaduz, Principality of Liechtenstein. Vapor recovery system for fuel tanks. 2,640,627, June 2.
Doelz, Melvin L., Glendale, Calif., assignor to Collins Radio Company, Cedar Rapids, Iowa. Filter using transverse supporting means. 2,656,516, Oct. 20.
Doepke, Charles Wm., Manufacturing Company, The, assignee: *See*—
Coursey, George E.
Doerfner, William H., and J. C. Helveston, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Ball nut and lever steering gear. 2,648,994, Aug. 18.
Doerfner, William H., and J. C. Helveston, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Ball nut and lever steering gear. 2,648,995, Aug. 18.
Doering, Charles, Chicago, Ill. Container brush and the like. 2,638,617, May 19.
Doering, Charles and H. H., and B. J. Skoglund, Chicago, Ill.; said Skoglund assignor to said C. and H. H. Doering. Apparatus for cutting and impressing substances. 2,643,495, June 30.
Doering, Henry H.: *See*—
Doering, Charles and H. H., and Skoglund.
Doering, William A., Palo Alto, and W. E. Koenig, Redwood City, assignors to S & W Fine Foods, Inc., San Francisco, Calif. Fruit transport device for pitting machines. 2,635,662, Apr. 21.
Doering, William V., and L. H. Knox, Katonah, assignors to Research Corporation, New York, N. Y. Photochemical preparation of tropilidenes. 2,647,081, July 28.
Doerman, Henry D.: *See*—
Nelson, Reuben F., and Doerman.
Doerr, Edward L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Surface-active products. 2,637,701, May 5.
Doerr, Edward L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of β,β'-bis(alkylmercapto)diethyl ether. 2,653,978, Sept. 29.
Doerr, Raymond S.: *See*—
Stinchcomb, Loid M., and Doerr.
Doerr, Richard L., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Composition of matter. 2,640,793, June 2.
Doerrfeld, Robert L., Ringwood, assignor, by mesne assignments, to Teletypesetter Corporation, Chicago, Ill. Tape controlled converter. 2,633,490, Mar. 31.
Doersein, Paul, Fairlawn, N. J. Toolholder. 2,659,962, Nov. 24.
Dofsen, Floyd J.: *See*—
Danielson, Elmer L., and Dofsen.
Doft, Max, assignee: *See*—
Hayes, Clyde B.
Doherty, Donald W., Crystal Lake, assignor to Queen Manufacturing Co., Inc., Chicago, Ill. Wire frame for garment hangers. 2,656,044, Oct. 20.
Doherty, Owen G., New York, N. Y., assignor, by mesne assignments, to Mergenthaler Linotype Company. Establishing bleed lines around designs on printing surfaces. 2,630,384, Mar. 3.
Doherty, Thomas J., and M. E. Curl, assignors to The Everglades Protective Syndicate, Inc., Palm Beach, Fla. Annunciator for games. 2,631,274, Mar. 10.
Doherty, William H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High efficiency radio-frequency power amplifier. 2,658,959, Nov. 10.
Döhler, Oskar: *See*—
Kleen, Werner, Döhler, and Huber.
Dohm, James, Trail, British Columbia, Canada. Audible signal apparatus. 2,659,071, Nov. 10.
Dohrer, Francis J., Seattle, Wash. Rotary plate electrical precipitator. 2,631,687, Mar. 17.
Dohrer, Francis J., Seattle, Wash. Centrifugal dust and cinder collector. 2,642,152, June 16.
Doig, James: *See*—
Watrous, David G., and Doig.
Doke, Ernest G., Winnetka, assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Adjacent floor and threshold plate structure for railway cars. 2,651,819, Sept. 15.
Dolan, George A.: *See*—
Smith, Harry B., and Dolan.
Dolan, Harry M., Manhasset, N. Y. Woman's confining garment. 2,633,574, Apr. 7.
Dolan, John M., Milwaukee, Wis., assignor to Joy Manufacturing Company. Control for turbine-driven compressors. 2,647,682, Aug. 4.
Dolan, Lawrence E.: *See*—
Michaelsen, William G. and C. W., Gerbode, and Dolan.
Dolan, Richard E., Sudbury, Mass. Furniture glide. 2,633,599, Apr. 7.
Dolan, Richard L., De Kalb County, assignor to Bowser, Inc., Fort Wayne, Ind. Dehydrator cartridge. 2,656,929, Oct. 27.
Dolar, Edward, Berwyn, Ill. Hinged closure. 2,660,329, Nov. 24.
Dolby, John W., assignor to Configured Tube Products Company, Chicago, Ill. Method of and means for forming an elongated opening in a pipe or the like. 2,653,664, Sept. 29.
Dolby, Thomas P., assignor to Instrument Springs Manufacturing Company, Elgin, Ill. Hairspring assembly. 2,649,684, Aug. 25.
Dolch, William C.: *See*—
Hodgson, Robert F., and Dolch.
Dolch, William C., Willoughby, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Hydraulic system and multipurpose control valve. 2,663,150, Dec. 22.
Dole, James, Engineering Co., assignee: *See*—
Martin, William M.
Martin, William M., and Post.
Dole Refrigerating Company, assignee: *See*—
Kleist, Herman W.
Dole Valve Company, The, assignee: *See*—
Ayton, Harvey S.
Bauerlein, Carl C.
Chace, Thomas B.
Drapeau, Harold B.
Drapeau, Harold B., and Wingerter.
Keller, Dan W., and Rimsha.
Mikeska, Peter L.
Rimsha, Victor E., and Goodrich
Dolezal, Frank O., San Francisco, Calif. Heat resistant radiator cap cover attachment. 2,661,859, Dec. 8.
Doležal, Richard, Ostrava, Czechoslovakia. Cooling wall for heated chambers. 2,641,205, June 9.
Dolgacius, Simonas, Chicago, Ill. Dropped gun stock for automatic guns. 2,627,132, Feb. 3.
Dolinsky, Alexander, Cleveland Heights, Ohio. Detector for counterfeit money. 2,640,279, June 2.
Doll, Brendan L.: *See*—
Doll, Martin and B. L.
Doll, M. Genevieve, Detroit, Mich. Maternity skirt. 2,661,468, Dec. 8.
Doll, Martin and B. L., assignors to Spaugh Paper Company, Incorporated, High Point, N. C. Pad. 2,656,291, Oct. 20.
Dollar, Robert, Company, The, assignee: *See*—
Wihtol, Weltis.
Dolman, Henry J., Staple Hill, Bristol, assignor to Brecknell, Munro & Rogers Limited, Bristol, England. Coin controlled apparatus. 2,635,731, Apr. 21.
Dolph, William B., Washington, D. C. Program control apparatus. 2,638,980, May 19.

Dolza, John, Fenton, G. Burrell, Lansing, E. B. Sherrick, Pontiac, and R. Schilling, Birmingham, assignors to General Motors Corporation, Detroit, Mich. V-8 engine. 2,632,340, Mar. 24.
Doman, Glidden S., Stamford, Conn., assignor to Doman Helicopters, Inc. Rotor head. 2,648,387, Aug. 11.
Doman Helicopters, Inc., assignee: *See*—
Doman, Glidden S.
Dombeck, Edward K., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,648,404, Aug. 11.
Dombrowski, Briney S., Seneca Falls, N. Y. Machine for coating rulers. 2,625,904, Jan. 20.
Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Frequency-interlace television system. 2,635,140, Apr. 14.
Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Frequency stabilized radio receiving system. 2,647,992, Aug. 4.
Dome, Robert B., Onondaga, N. Y., assignor to General Electric Company. Synchronizing circuit. 2,654,033, Sept. 29.
Dome, Robert B., and R. F. Foster, Syracuse, N. Y., assignors to General Electric Company. Load compensating network. 2,629,819, Feb. 24.
Domek, Daniel A., and E. N. Sorensen, Palatine, Ill. Rotary windshield wiper. 2,634,447, Apr. 14.
Domer, Victor J., Okeechobee, Fla. Turbine pump. 2,640,427, June 2.
Domeshek, Sol, Great Neck, N. Y. Multiplex picture projection apparatus. 2,660,087, Nov. 24.
Dominick, William E., Chicago, D. Nelson, Elmhurst, and K. F. Mattil, assignors to Swift & Company, Chicago, Ill. Lard crystal modification. 2,625,484, Jan. 13.
Dominick, William E., Chicago, and D. Nelson, Elmhurst, assignors to Swift & Company, Chicago, Ill. Lard crystal modification process. 2,625,485, Jan. 13.
Dominion Bridge Company Limited, assignee: *See*—
Braun, Leo.
Dominion Corset Company Limited, assignee: *See*—
Desrochers, Fernand.
Dominion Electric Corporation, assignee: *See*—
Hanner, George E.
Dominion Engineering Works Limited, assignee: *See*—
Lewis, Alfred H.
Dominion Textile Company Limited, assignee: *See*—
Kershaw, John G., and Fisher.
Domke, Garnetta, executrix: *See*—
Cumfer, Harry A.
Domries, Otto W., Anaheim, Calif. Disk harrow. 2,633,686, Apr. 7.
Don Manufacturing Company, assignee: *See*—
Copping, Bruce G.
Donahoe, Donald J. and P. J., Fort Dodge, Iowa. Temperature controlled water tank. 2,635,580, Apr. 21.
Donahoe, Paul J.: *See*—
Donahoe, Donald J. and P. J.
Donahue, Dennis A.: *See*—
Mills, Edward L., and Donahue.
Donahue, John F., Brooklyn, N. Y. Clothespin. 2,632,930, Mar. 31.
Donahue, Joseph F., assignor to General Building Materials, Inc., South Bend, Ind. Prefabricated bathroom structure. 2,644,203, July 7.
Donal, John S., Jr., Princeton, N. J., L. P. Smith, Ithaca, N. Y., and B. B. Brown, Lancaster, Pa., assignors to Radio Corporation of America. Tunable magnetron. 2,638,563, May 12.
Donald, James, M. W. Stimson, and R. Birza, assignors to Shwayder Bros., Inc., Denver, Colo. Luggage compartment liner. 2,649,939, Aug. 25.
Donald, James, M. W. Stimson, and R. Birza, assignors to Shwayder Bros., Inc., Denver, Colo. Luggage compartment cover. 2,649,940, Aug. 25.
Donald, William P., Cleveland, assignor to Wean Equipment Corporation, Euclid, Ohio. Branding sheet. 2,641,998, June 16.
Donaldson, Charles A., Del Rio, Tex. Underground prospecting system. 2,657,380, Oct. 27.
Donaldson, Charles A., San Antonio, Tex. Deep well camera. 2,632,801, Mar. 24.
Donaldson Company, Inc., assignee: *See*—
Beach, Silas H.
Donaldson, John M., Birmingham, Ala. Means for supporting metal clips. 2,650,978, Sept. 1.
Donaldson, Robert R., Jr., Forest Hills, assignor to Hagan Corporation, Pittsburgh, Pa. Pressure differential responsive device. 2,661,754, Dec. 8.
Donaldson, Walter E.: *See*—
Hanson, Alden W., and Donaldson.
Donath, Edwin W., and B. A. Ritzenthaler, assignors to Illinois Testing Laboratories, Inc., Chicago, Ill. Dewpoint measuring device. 2,649,707, Aug. 25.
Donath, George A., Los Angeles, Calif. Storage battery grid plate casting and trimming machine. 2,654,939, Oct. 13.
Donathan, Francis E., assignor to Superior Coach Corporation, Lima, Ohio. Push-out window structure. 2,660,274, Nov. 24.
Doncaster, Daniel P., Long Island City, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Record player. 2,646,283, July 21.
Dondero, John A., New York, N. Y. Building construction. 2,633,735, Apr. 7.
Don Dero, Sylvester F., Baldwin, assignor to Toys, Inc., Brooklyn, N. Y. Abacus. 2,655,
Donegan, Joseph W., New Brunswick, N. J., Allied Chemical & Dye Corporation, New York, N. Y. Method of processing carbonaceous materials and subsequent activation treatment. 2,624,712, Jan. 6.
Donegan, Joseph W., New Brunswick, N. J., Allied Chemical & Dye Corporation, New York, N. Y. Treating tar. 2,631,982, Mar. 17.
Donelian, Khatchik O., Fairlawn, N. J., assignor to United States of America as represented by the United States Atomic Energy Commission. Electromagnetic pump. 2,658,452, Nov. 10.
Doney, Roy N., Auburn, N. Y. Tire chain. 2,655,972, Oct. 20.
Doniak, Michael, Compton, Calif. Protecting heated cylinders and their bearings. 2,6
14.
Donkin, William H., Ealing, London, England, and Rexel Products of Canada Limited, Toronto, Canada. Dispenser for self-adhesive tape. 2,
June 2.
Donley, Hugh L.: *See*—
Wentworth, Chandler, and Donley.
Donley, Hugh L., and E. O. Kelzer, Princeton, assignors to Radio Corporation of America. Automatic frequency control. 2,639,376, May 19.
Donley, Robert P., assignor to Columbus Metal Specialty Inc., Columbus, Ohio. Turn signal. 2,639,
Donn, Heinz, Pforzheim, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Current supply circuit for television receivers. 2,663,805, Dec. 22.
Donnell, Conard E.: *See*—
Kennedy, Robert M., and Donnell.
Donnell, Kenneth B., Rochester, N. Y. Me
apparatus for manipulating fishlines. 2,
Aug. 4.
Donnell, Kenneth B., Rochester, N. Y. 2,647,341, Aug. 4.
Donnell, Robert, Midland, and J. R. Jennings, Fishing tool for wells. 2,663,370, Dec. 22.
Donnelley, R. R., & Sons Company, assignee: Borth, Paul F.
Kramer, Lawrence I.
Donnelly, Harold G., Dearborn, assignor to Wyers, Inc., Detroit, Mich. Bright nickel plating solution and process. 2,648,627, Aug. 11.
Donnelly, John H., assignor to Canada Dry, Incorporated, New York, N. Y. Faucet for mixing, and dispensing beverages. 2,645,
Donnelly, John H., New York, N. Y. Me
with rigidly connected reciprocating valve. Nov. 17.
Donofrio, Alfonso M., Toledo, Ohio, assign
assignments, to American Cyanamid Co
York, N. Y. Method of and apparatus for
liquid and semiliquid substances and the like. Jan. 6.
Donofrio, Alfonso M., assignor, by mesne as
McKay-Davis Chemical Corporation, T
Packaging equipment. 2,641,881, June 16
Donofrio, Alfonso M., Toledo, Ohio, assignor
Cyanamid Company, New York, N. Y.
fabricating capsules from elastic films. 2
22.
Donofrio, Alfonso M., Toledo, Ohio, assignor,
signments, to American Cyanamid Compar
N. Y. Apparatus for producing symmetri
ellipsoidal capsules. 2,663,130, Dec. 22.
Donogh, Andrew L., Brandon, Manitoba, C
and straw receiver and cooker. 2,624,482
Donoghue, Florence F., Worcester, K. E. Sm
J. D. Pigott, assignors to Draper Corpor
dale, Mass. Filling replenishing means
2,654,400, Oct. 6.
Donoghue, Florence F., Worcester, and H.
assignors to Draper Corporation, Hop
Loom knockoff means. 2,658,534, Nov. 10
Donohoe, James V.: *See*—
Boutros, Richard D., Donohoe, and Dyk
Donohoe, Martin A., Gates, assignor to Gl
Rochester, N. Y. Chuck and method
2,646,723, July 28.
Donohue, Anthony J., Merion, Pa. Coil for
ter heaters. 2,642,849, June 23.
Donohue, Joseph T., assignee: *See*—
Bianchi, Peter, and Rothwell.
Donovan, Cornelius J., New York, N. Y.
2,650,699, Sept. 1.
Donovan, Delbert, Detroit, Mich. Magnetic to
Mar. 31.
Donovan, Francis A.: *See*—
Cox, Charles W., Donovan, and Frantz.
Donovan, George L., Vancouver, British Colu
Paper clip for drawers. 2,633,615, Apr. 7.
Donovan, Marion, Saugatuck, Conn. F
2,627,974, Feb. 10.
Dons, Eddie M., Tulsa, and J. V. Stevens, Os
Pipe coupling. 2,626,820, Jan. 27.
Doolan, William, Washington, D. C. Safet
or control for elevators. 2,644,546, July
Doolan, William, Washington, D. C. Eleva
safety device. 2,644,547, July 7.

Doolen, Orville K.: *See*—
Wickerham, Warren E., and Doolen.

Dooley, Joseph A., Chicago, Ill. Baby bassinet rocking device. 2,633,580, Apr. 7.

Doolittle, Donald B., and J. R. Walden, assignors, by mesne assignments, to All American Engineering Company, Wilmington, Del. Planing surface for aircraft and hydrocraft. 2,647,709, Aug. 4.

Doolittle, Howard D., Stamford, assignor to Machlett Laboratories, Incorporated, Springdale, Conn. Envelope structure for electron tubes. 2,633,551, Mar. 31.

Doolittle, Howard D., Stamford, Conn., assignor to Machlett Laboratories, Incorporated. Ultrahigh-frequency tetrode. 2,646,470, July 21.

Doolittle, Howard D., W. A. Zarth, and R. H. Rheaume, Stamford, Conn., assignors to Machlett Laboratories, Incorporated. Electron tube. 2,655,614, Oct. 13.

Doolittle, Waddie W., Picayune, Miss., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Marine seismic surveying. 2,638,176, May 12.

Doonan, John J., assignor of one-half to S. S. Doonan, Brooklyn, Iowa. Mowing machine divider plate with divider rod attached thereto. 2,645,076, July 14.

Doonan, Sylvanus S, assignee: *See*—
Doonan, John J.

Doppleb, Herman A., assignor to The Hamilton Tool Company, Hamilton, Ohio. Cutoff cylinder. 2,632,510, Mar. 24.

Doquier, Eugen, Iserlohn, assignor to H. Hulter, Jr., Iserlohn, Westphalia, Germany. Hasp type case latch. 2,651,536, Sept. 8.

Doran, Elizabeth P.: *See*—
Doran, Harold C., and E. P.

Doran, Harold C., and E. P., Oakland, Calif. Doll stage construction. 2,637,138, May 5.

Doran, Joseph, St. Louis, Mo., assignor to J. J. Doran, Barrington, Ill. Fishing device. 2,641,861, June 16.

Doran, Joseph J., assignee: *See*—
Doran, Joseph.

Dorand, René, Versailles, and P. Gabriet, Boulogne-Billancourt, assignors, by mesne assignments to René Dorand, Versailles, France. Rotary-wing aircraft with jet-driven rotor. 2,650,666, Sept. 1.

Dordel, Walter R., West Hempstead, assignor to Casings, Inc., New York, N. Y. Metal casing for dry wall construction. 2,663,390, Dec. 22.

Dorel, Leroy, Hamilton, Ontario, Canada. Gauge block and holder. 2,642,668, June 23.

Doremus, John A., and H. C. Waterman, assignors to Motorola, Inc., Chicago, Ill. Remote-control and supervisory control system. 2,664,554, Dec. 29.

Dorenbaum, Philip, Providence, R. I. Holder for cards or memorandum pads. 2,655,700, Oct. 20.

Dorey, George B.: *See*—
Zimmer, Albert E., and Dorey.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car door latch. 2,624,293, Jan. 6.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Operating mechanism for sliding gates for hoppers of hopper type cars. 2,628,573, Feb. 17.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Head for gate operating mechanism for hopper cars. 2,628,574, Feb. 17.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Operating bar receiving head for shaft of gate operating mechanism for railway cars. 2,628,575, Feb. 17.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Ballast discharging car. 2,630,767, Mar. 10.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car. 2,630,768, Mar. 10.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car door latching mechanism. 2,630,771, Mar. 10.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Discharge outlet for railway cars. 2,638,060, May 12.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door closing means for load discharging cars. 2,640,437, June 2.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Outlet assembly for hopper type railway cars. 2,640,438, June 2.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper closure for hopper type railway cars. 2,640,439, June 2.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Closure for hopper of hopper type railway cars. 2,640,440, June 2.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door locking mechanism for hopper car doors. 2,641,199, June 9.

Dorey, George B., Montreal, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump door operating mechanism. 2,641,200, June 9.

Dorey, George B., Westmont, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Gate closing and locking mechanism for discharge outlets of car hoppers. 2,644,408, July 7.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Discharge outlet and closure assembly. 2,646,006, July 21.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper discharge outlet for railway cars. 2,646,007, July 21.

Dorey, George B., assignor to Continental Transport Appliances, Limited, Montreal, Quebec, Canada. Brake slack adjuster. 2,646,137, July 21.

Dorey, George B., assignor to Continental Transport Appliances, Limited, Montreal, Quebec, Canada. Brake slack adjuster. 2,646,138, July 21.

Dorey, George B., Westmount, Quebec, assignor to Continental Transport Appliances, Limited, Montreal, Quebec, Canada. Automatic slack adjuster. 2,646,139, July 21.

Dorey, George B., Westmount, Quebec, assignor to Continental Transport Appliances, Limited, Montreal, Quebec, Canada. Automatically operable slack adjuster for air brakes. 2,646,140, July 21.

Dorey, George B., Westmount, Quebec, assignor to Continental Transport Appliances, Limited, Montreal, Quebec, Canada. Spring mechanism for slack adjusters. 2,646,141, July 21.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Convertible railway car. 2,648,293, Aug. 11.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latching and closing means for railway car hopper doors. 2,651,266, Sept. 8.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latching means for hopper car doors. 2,651,267, Sept. 8.

Dorf, Charles J., Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Backfire arrester. 2,626,860, Jan. 27.

Dorfan, Morton I., Pittsburgh, Pa. Pneumatic conveyer suction hood. 2,637,600, May 5.

Dorff, C. J., Manufacturing Co., assignee: *See*—
Dorff, Conrad J.

Dorff, Conrad J., assignor to C. J. Dorff Manufacturing Co., Chicago, Ill. Flush tank valve. 2,646,069, July 21.

Dorff, Louis A., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Arrangement for single-channel time sharing. 2,662,974, Dec. 15.

Dorfman, Ben D., Washington, D. C. Electric timing device. 2,651,166, Sept. 8.

Dorfman, Hiller D., Beaver, and F. L. Gelzheiser, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,636,958, Apr. 28.

Dorfman, Hiller D., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,656,440, Oct. 20.

Dorfman, Irving, New York, N. Y., assignor to Federal Carton Corporation, North Bergen, N. J. Collapsible and reusable carton. 2,645,405, July 14.

Dorfman, Nathaniel G. A., New York, N. Y. Electronic code-typewriter system. 2,662,112, Dec. 8.

Dorgin, Abraham L., New York, N. Y. Water resistant inner sole. 2,635,363, Apr. 21.

Doric, Charles A., West Warwick, R. I. Collar stay. 2,654,889, Oct. 13.

Dorkins, Evan E., assignor to Ottawa Steel Products, Inc., Ottawa, Kans. Drop hammer and carriage therefor. 2,659,583, Nov. 17.

Dorkins, Evan E., assignor to Ottawa Steel Products, Inc., Ottawa, Kans. Self-propelled hydraulic hammer. 2,659,584, Nov. 17.

Dorland, Norman E., Kirkland, Wash. Apparatus for loading and unloading cargo vessels. 2,660,319, Nov. 24.

Dorman, Leonard M., Meadville, Pa., assignor to Talon, Inc. Stop for slide fasteners. 2,660,773, Dec. 1.

Dormeyer Corporation, assignee: *See*—
Kessel, Johannes B.
Schwaneke, Fred C.

Dornbush, Edward, Miami Beach, Fla. Broiling device. 2,646,495, July 21.

Dornbush, Edward, Miami Beach, Fla. Baking device. 2,650,553, Sept. 1.

Dorne, Arthur, Freeport, N. Y., assignor to United States of America as represented by the Secretary of War. Broad band antenna. 2,635,187, Apr. 14.

Dorne, Arthur, Freeport, assignor to Airborne Instruments Laboratory, Inc., Mineola, N. Y. Aircraft antenna. 2,636,987, Apr. 28.

Dorne, Arthur, Freeport, N. Y. Recessed slot antenna. 2,644,090, June 30.

Dorne, Arthur, and D. Lazarus, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Cavity antenna. 2,658,145, Nov. 3.

Dorne, Arthur, Mineola, N. Y., D. Lazarus, Chicago, Ill., and H. P. Minot, Belmont, Mass., assignors to United States of America as represented by the Secretary of War. Antenna mountable in small spaces. 2,659,003, Nov. 10.

Dorner, John A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for assembling flexible tubing upon mandrels. 2,645,004, July 14.

Dorner, Katherina, Philadelphia, Pa. Sanitary container. 2,627,996, Feb. 10.

Dornin, Florence L. T., executrix: *See*—
Dornin, George A.

Dornin, George A., deceased, Youngstown, by F. L. T. Dornin, executrix, assignor to G. A. Dornin, Jr., Warren, Ohio. Forming big end up ingots. 2,654,144, Oct. 6.

Dornin, George A., Jr., assignee: *See*—
Dornin, George A.

Dornte, Ralph W., Abington, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovering sulfuric acid from mixtures thereof with pyridine monocarboxylic acid bisulfates. 2,658,030, Nov. 3.

Dorogoff, Harry, Newark, N. J. Automobile compartment map holder. 2,631,390, Mar. 17.

Dorr Company, The, assignee: *See*—
Fischer, Anthony J., and Kivell.
Jukkola, Walfred W.
Knowles, John H., and Sutcliffe.
Roberts, Elliott J., Foley, and Wells.
Scott, Charles H.
Tarr, Donald T., Jr., and Fischer.
White, Frank S.
Wright, Orrin H., Weaver, and Fitch.

Dorr, Eleanor, assignee: *See*—
Hudlow, Clair W.

Dorr, James F., assignor of one-third to W. Seward, and one-third to M. W. Payne, San Jose, Calif. Intramedullary nail inserter. 2,638,092, May 12.

Dorsam, William J.: *See*—
Paine, Louis A., and Dorsam.

Dorscheid, George P., assignor to Frontier Industries, Inc., Buffalo, N. Y. Fluid pressure control valve. 2,663,316, Dec. 22.

Dorschner, Oskar, Bad Homburg vor der Hohe, W. Wenzel, Frankfurt am Main, and H. G. Kayser, Frankfurt am Main Eschersheim, assignors to Metallgesellschaft Aktiengesellschaft, Frankfurt am Main, Germany. Temperature control in the catalytic hydrogenation of carbon monoxide. 2,662,911, Dec. 15.

Dorsey, Joseph W.: *See*—
Liebman, Arno J., and Dorsey.

Dorsey, Roland L., Trenton, N. J., assignor to United States Steel Corporation. Guide for loading bundles. 2,633,306, Mar. 31.

Dorski, Julius: *See*—
Moss, Samuel, and Dorski.

Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Electrically insulated conductor and production thereof. 2,650,975, Sept. 1.

Dort, Russell L., Davenport, Iowa, assignor to Deere & Company, Moline, Ill. Corn harvesting attachment for vehicles. 2,647,353, Aug. 4.

Dorton, John M., Bonner Springs, Kans. Automobile seat structure. 2,644,505, July 7.

Dorton, John M., Bonner Springs, Kans. Floating motion cushion for vehicles and furniture. 2,644,509, July 7.

Dory, Daniel R., Milwaukee, Wis. Pusher for ice and snow. 2,639,454, May 26.

Dosberg, Harry E., Eggertsville, assignor to Ilac Products Corporation, Buffalo, N. Y. Apparatus for dispensing cloth towels. 2,653,693, Sept. 29.

Dosker, Cornelius D., assignor to Gamble Brothers, Inc., Louisville, Ky. Continuous planar type panel forming machine. 2,652,870, Sept. 22.

Dosker, Cornelius D., assignor to Gamble Brothers, Inc., Louisville, Ky. Processing wood. 2,653,890, Sept. 29.

Doss, Jerome E., Stuart, Fla. Fuse protected electrical outlet. 2,661,413, Dec. 1.

Doss, Raymond O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Curved windshield and wiper. 2,642,615, June 23.

Dos Santos, Alfred, and W. K. Mossman, Honolulu, Hawaii. Bung wrench. 2,643,566, June 30.

Dossie, Thomas J., New York, N. Y. Safety chuck key with ejector means. 2,660,081, Nov. 24.

Doster, Oscar: *See*—
Samuels, Benjamin L., and Doster.

Dostmann, William A., assignor to W. M. Langer and W. M. Langer, Jr., Berlin, N. J. Knitting method and apparatus. 2,635,442, Apr. 21.

Dotson, Homer, Ringling, Okla. Two-way plow attachment. 2,656,767, Oct. 27.

Dotson, Orrie E., assignor to Lisbon Machine Company, Incorporated, Lisbon, Ohio. Hoist. 2,642,266, June 16.

Dotson, Russell F., Atlanta, Ga. Fluid heater control apparatus. 2,628,033, Feb. 10.

Doty, Charles R., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Record controlled perforating machine. 2,637,399, May 5.

Doty, Charles R., Poughkeepsie, assignor to In
Business Machines Corporation, New York,
punching machine. 2,654,432, Oct. 6.

Doty, Clifford B.: *See*—
Lauer, Rodney E., and Doty.

Doty, De Verne V., Milton, and A. Long, Fra
Automatic poultry feeder. 2,640,462, Jun

Doty, William J., Port Richmond, N. Y. Dete
shaped handle for rimmed cans. 2,628,8

Doub, Leonard, assignor to Parke, Davis &
Detroit, Mich. Production of an aromatic
droxy acid. 2,640,854, June 2.

Double, Glenn O., Hillsdale, Mich. Sprinkler
bly. 2,634,163, Apr. 7.

Double, Walter F.: *See*—
Armington, Raymond Q., and Double.

Doubleday, George: *See*—
Bashford, Leslie A., and Doubleday.

Doucette, Adrian R., Swissvale, Pa., assignor
house Air Brake Company. Repeater ap
communication and signaling systems. 2,6
12.

Doucette, Edmund J., Long Branch, N. J.
sawhorse or trestle. 2,635,013, Apr. 14.

Doucette, Edmund J., Long Branch, N. J. Coll
horse or trestle. 2,664,319, Dec. 29.

Doucot, Roger, Ivry, assignor to Compagnie d
Signaux Westinghouse, Paris, France. Ap
metals distillation. 2,654,700, Oct. 6.

Doud, Edward, Richland, Wash., assignor to E
de Nemours & Company, Wilmington, Del.
ing of rayon cakes before centrifuga
2,647,038, July 28.

Doug, Joe V., Fresno, Calif. Guard for por
saws. 2,659,399, Nov. 17.

Doughboy Industries, Inc., assignee: *See*—
Grevich, John J.

Dougherty, James E.: *See*—
Reno, Michael W., and Dougherty.

Dougherty, James T., Canton, Ohio. Appara
method of making sand molds mechanically.
Apr. 28.

Dougherty, Patrick F., Chester Heights, and I
Parkland, assignors to Sun Oil Company, P
Pa. Cleaning refining equipment. 2,662,0

Dougherty, Patrick F., Chester Heights, and I
Parkland, assignors to Sun Oil Company, P
Pa. Cleaning refining equipment. 2,662,0

Dougherty, Richard H., Burbank, Calif., a
mesne assignments, to D. F. Campbell. Bu
with sequential rotating and tilting openi
ing movements. 2,655,942, Oct. 20.

Doughnut Corporation of America, assignee: S
Hunter, Herbert T., and Wilson.

Doughty, Robert T.: *See*—
Rasmussen, Carlton A., and Doughty.

Doughty, Robert T., assignor to General Mot
tion, Detroit, Mich. Internal-combustion
tiating system. 2,660,987, Dec. 1.

Douglas Aircraft Company, Inc., assignee: Se
Carhart, Nathan A., and Stoner.
Croshere, Austin B., Jr., Kleinhans, and
Del Mar, Bruce E.
Klemperer, Wolfgang B.
Mayo, Alfred M., and Walpole.

Douglas, Alvin P., Cleveland Heights, Ohio.
The Murray-Ohio Manufacturing Company.
for truing and tensioning of spokes of w
2,633,907, Apr. 7.

Douglas, Alvin P., Cleveland, and L. J. Wal
Heights, assignors to The Murray Ohio Ma
Company, Cleveland, Ohio. Removable sea
seat structure therefor. 2,631,654, Mar. 17.

Douglas, Alvin P., Cleveland, and L. J. Wal
Heights, assignors to The Murray Ohio Ma
Company, Cleveland, Ohio. Juvenile vehicle
and hanger assembly and manufacturing
2,633,371, Mar. 31.

Douglas, Alvin P., Cleveland, and L. J. Wal
Heights, assignors to The Murray Ohio Ma
Company, Cleveland, Ohio. Wheel. 2,64
30.

Douglas, Alvin P., Cleveland, and L. J. Wal
Heights, assignors to The Murray Ohio Ma
Company, Cleveland, Ohio. Steering gear m
juvenile vehicles. 2,660,448, Nov. 24.

Douglas, Alvin P., Cleveland, and L. J. Wal
Heights, assignors to The Murray Ohio Ma
Company, Cleveland, Ohio. Guided suspen
for bicycle steering wheels. 2,660,455, No

Douglas, Alvin P., Cleveland, and L. J. Wal
Heights, assignors to The Murray Ohio Ma
Company, Cleveland, Ohio. Baby walker.
Dec. 15.

Douglas, Aubrey, Saltford, Somerset, Englan
pulsion and boundary layer control means.
Nov. 3.

Douglas, Cecil J., Ruislip, assignor to C. A.
London, England. Electric motor-driven w
2,639,394, May 19.

Douglas, Donald J., Mendota Township, Dakota County, P. V. Palmquist, New Canada Township, Ramsey County, and J. D. Grove, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Lettering film. 2,647,848, Aug. 4.

Douglas, Donald J., Mendota Township, Dakota County, P. V. Palmquist, New Canada Township, Ramsey County, and J. D. Grove, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Lettering film. 2,647,849, Aug. 4.

Douglas, George A.: *See*—
Campbell, John S., Brown, and Douglas.

Douglas, George R.: *See*—
Holliday, Ivar M., Douglas, and Hanna.

Douglas, James K. and W. G., Shorewood, assignors to The Oilgear Company, Milwaukee, Wis. Pilot operated free return resistance valve. 2,656,854, Oct. 27.

Douglas, John F. H., Milwaukee, and C. T. Evans, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Alternating current electromagnet. 2,648,034, Aug. 4.

Douglas, Kenneth R., New York, N. Y. Automatic transmission. 2,634,626, Apr. 14.

Douglas, Peyton W., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry machine. 2,637,186, May 5.

Douglas, Peyton W., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry machine. 2,637,189, May 5.

Douglas, Samuel S., Oil City, Pa. Manipulator for metal coils. 2,630,931, Mar. 10.

Douglas Tool Company, assignee: *See*—
Pinto, Michael.

Douglas, William G.: *See*—
Douglas, James K. and W. G.

Douglas, William S., Astoria, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Pulse generator. 2,644,094, June 30.

Douglass Automatic Shoe Shining Co., assignee: *See*—
Douglass, Porter D.

Douglass, Emory W., Carlsbad, N. Mex., assignor to Potash Company of America, Denver, Colo. Apparatus for crystallizing chemical salts. 2,643,941, June 30.

Douglass, Emory W., and P. S. Dunn, Carlsbad, N. Mex., assignors to Potash Company of America, Denver, Colo. Heat exchanger for producing granular salt products. 2,662,742, Dec. 15.

Douglass, Ernest, Pomona, assignor to H. L. Hunsicker, Beverly Hills, Calif. Tire removing apparatus with circumferentially distributed thrust members. 2,647,564, Aug. 4.

Douglass, Porter D., Oakland, Calif., assignor to Douglass Automatic Shoe Shining Co. Shoe polishing device. 2,639,452, May 26.

Douglass, Robert S., Port Washington, N. Y. Optical device for golf instruction. 2,663,021, Dec. 22.

Douglass, Wallace C., Tuckahoe, N. Y. Cleaning and drying apparatus. 2,643,465, June 30.

Douglass, Walter, and A. C. Ellis, Middlesex, England. Flexible sleeve iris valve. 2,663,467, Dec. 22.

Douil, Robert M., and M. Radonich, assignors to Piling Limited, Montreal, Quebec, Canada. Cement applying apparatus. 2,644,725, July 7.

Douma, Tjiske, San Carlos, Calif., assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising an electric discharge tube having a liquid cathode. 2,653,278, Sept. 22.

Doumani, Thomas F.: *See*—
Coe, Clarence S., and Doumani.

Doumani, Thomas F., Los Angeles, and C. S. Coe, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Operating jet propulsion motors. 2,645,079, July 14.

Dourdeville, Theodore A., Holden, assignor to David Gessner Company, Worcester, Mass. Mechanism for maintaining alignment of an apron in a textile machine. 2,662,767, Dec. 15.

Doussain, Robert, Villeurbane, R. Bousson, and L. Perrie, Lyon, assignors to the Office National d'Etudes et de Recherches Aeronautiques, Paris, France. Variable pitch screw propeller articulated blade mounting. 2,660,252, Nov. 24.

Doussain, Robert, Vitry-sur-Seine, R. Bousson, Lyon, and L. Perrier, Seto, assignors to Office National d'Etudes et de Recherches Aeronautiques, Paris, France. Self-adjusting propeller blade. 2,645,295, July 14.

Douthett, Elwood M., Darby, Pa. Variable pitch propeller. 2,645,294, July 14.

Douthitt, Maurice V.: *See*—
Kraus, Edwin C., and Douthitt.

Doutt, Kingsley A., Detroit, Mich. Hydraulic flash welder control. 2,640,134, May 26.

Doutt, Kingsley A., Detroit, Mich. Upset cylinder stroke adjusting nut with self-compensating cam. 2,650,275, Aug. 25.

Douvan, Boris, Bayonne, N. J., assignor of one-half to George J. Kupchik, New York, N. Y. Automatic cutoff valve for fuel burners. 2,641,314, June 9.

D'Onville, Edmond L., assignor to Standard Oil Company, Chicago, Ill. Manufacture of hydrogen-carbon monoxide mixture. 2,635,952, Apr. 21.

Dove, Ernest B.: *See*—
Halford, Frank B., Cleaver, and Dove.

Dove, Fred, assignor of one-tenth to L. Alverson, Atlanta, Ga. Headlight lens. 2,632,095, Mar. 17.

Dover, Cherrietta, assignee: *See*—
Neal, William E.

Dow Chemical Company, The, assignee: *See*—
Adams, Jack J.
Amos, James L., and Miller.
Anderson, Arthur W., and Moeller.
Anderson, Raymond J.
Barrons, Keith C.
Barry, Arthur J., De Pree, and Hook.
Barry, Arthur J., and Gilkey.
Barry, Arthur J., Hook, and De Pree.
Barstow, Ormond.
Bauman, William C.
Bauman, William C., and McMaster.
Begin, Louis E.
Beman, Floyd L.
Bennett, Foster C.
Bennett, Wallis R., and Carmouche.
Britton, Edgar C., Alquist, and Kauer.
Britton, Edgar C., and Head.
Britton, Edgar C., and Petrie.
Bryner, Fred.
Cardwell, Paul H., and Braunlich.
Cardwell, Paul H., and Lunsford.
Chisholm, Douglas S., and Busk.
Coulter, Kenneth E.
Currie, Chester C.
De Long, Herbert K.
Dettmer, Edward V.
Dirstine, Philip H., and Dance.
Doan, Jack P.
Drake, Lewis R.
Drake, Lewis R., Stowe, and Broucek.
Dreisbach, Robert R., and Sterling.
Easley, John A., and Swayze.
Edmunds, Alvin M., and Sonnabend.
Fischback, Bryant C., and Harris.
Frevel, Ludo K., and Hedelund.
Frevel, Ludo K., and Kressley.
Griess, Gerald A., and Strandskov.
Griess, Gerald A., and Teot.
Guebert, Kenneth W.
Hanson, Alden W., and Donaldson.
Hanson, William J., and Nex.
Head, James D.
Hoogsteen, Harold M., and Peterson.
Hunter, Melvin J., and Servais.
Hunter, Ralph M., Blue, and Neipert.
Huscher, Myron E., Long, and Moore.
Irons, Carroll R.
Johnson, Julius E., Jr.
Lang, John L.
Le Fevre, Walter J., and Moll.
Leontis, Thomas E., and Busk.
Leontis, Thomas E., and Pashak.
Mason, Robert S., Graham, and Hearns.
McMaster, Elmer L., Wheaton, and Skidmore.
Meyer, Frederick J.
Moll, Harold W.
Moyle, Clarence L.
Moyle, Clarence L., and Wolf.
Mullison, Wendell R.
Noddings, Charles R., Waldron, and Corey.
Perry, Robert E., Ansel, and Dietrich.
Pye, David J., and West.
Raynor, Richard N., and Stewart.
Reilly, John H.
Roche, Arthur F., and Price.
Rogers, Jack A.
Roth, Harold H., and Smith.
Rubens, Louis C., and Boyer.
Ruh, Robert P.
Ruh, Robert P., and Davis.
Saunders, William P., and Strieter.
Saunderson, Jason L., Caldecourt, and Peterson.
Sexton, Arthur R., and Britton.
Slagh, Harold R.
Smith, William N.
Sonnabend, Lawrence F., and Edmunds.
Staehling, Edward C.
Stanton, George W., and Lefferdink.
Stanton, George W., Lefferdink, and Davis.
Stanton, George W., Lefferdink, and Spence.
Stoesser, Wesley C., and Sommerfield.
Swezey, Arthur W.
Teot, Arthur S., and Wiggins.
Thurber, William S.
Tolkmith, Henry.
Vander Weele, John C., Britton, and White.
Van Horn, John C., Ohlmann, Klinger, and Wright.
Wehr, Henry W., and Nagle.
Werkema, Thomas E.
Wheaton, Robert M., and Harrington.
White, Halbert C.
White, Halbert C., and Wysong.
Wiggins, Glenn C.
Young, David C.
Zemba, John W.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J.
Barry, Arthur J., and Gilkey.
Clark, Harold A.

Dow Corning Corporation, assignee: *See*—Continued.
Currie, Chester C.
Hoffman, Kenneth R.
Hunter, Melvin J.
Hunter, Melvin J., and Rauner.
Hunter, Melvin J., and Smith.
Hyde, James F.
Maneri, Remo B.
Ruh, Robert P., and Gordon.
Sommer, Leo H.
Speier, John L.
Speier, John L., Jr.
Warrick, Earl L.

Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Wand rest for vacuum cleaners. 2,634,451, Apr. 14.

Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Portable room humidifier. 2,639,905, May 26.

Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Supporting device involving an elastic member. 2,645,340, July 14.

Dow, Doris B., administratrix, trustee, assignee: *See*—
Dow, John A.

Dow, Harold T., Elma, N. Y. Leaf spring assembly. 2,649,296, Aug. 18.

Dow, Harold T., Elma, N. Y. Leaf spring assembly. 2,649,297, Aug. 18.

Dow, John A., deceased, Huntington Woods, Mich., D. B. Dow, administratrix of said John A. Dow, assignor to D. B. Dow, Royal Oak, Mich., as trustee. Heat-treating element for heat-treating furnaces. 2,638,889, May 19.

Dow, John A., deceased, Huntington Woods, Mich.; D. B. Dow, administratrix of said John A. Dow, assignor to D. B. Dow, Royal Oak, Mich., as trustee. Heat-treating apparatus. 2,639,138, May 19.

Dow Manufacturing Company, assignee: *See*—
Copping, Bruce G.

Dow, Walter K., Longmeadow, Mass. Gauge. 2,642,670, June 23.

Dowd, Laurence E., assignor to Transparent Package Company, Chicago, Ill. Packaging material. 2,627,471, Feb. 3.

Dowd, Laurence E., assignor to Transparent Package Company, Chicago, Ill. Packaging material and making. 2,627,483, Feb. 3.

Dowdall, John F., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon acyl sulfuric acids. 2,628,253, Feb. 10.

Dowden, Dennis A.: *See*—
Charlton, Francis R., and Dowden.

Dowden, Ernest J., Ames, Iowa. Speed registering device. 2,657,749, Nov. 3.

Dowell, George D., assignor to Hanes Hosiery Mills Company, Winston-Salem, N. C. Stocking. 2,640,339, June 2.

Dowless, William B., Abbottsburg, N. C. Oil burner for tobacco drying and curing means. 2,663,364, Dec. 22.

Dowling, Arthur P., assignor to Rock Island Millwork Company, Rock Island, Ill. Device for testing hot flow. 2,660,051, Nov. 24.

Dowling, Basil B., Skokie, Ill., assignor to International Minerals & Chemical Corporation. Purification of tyrosine. 2,661,371, Dec. 1.

Dowling, John J.: *See*—
Dumble, Paul E. and W. J., and Dowling.

Dowlong Manufacturing Co., assignee: *See*—
Haley, Patrick M.

Downes, William A., Old Mystic, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Apparatus and method for testing the accuracy of synchros. 2,625,599, Jan. 13.

Downey, Francis P., Kenedy, Tex. Conveyer coupling. 2,630,341, Mar. 3.

Downey, George T., S. N. Rosengren, and R. E. Forrester, assignors to Aero Supply Mfg. Co. Inc., Corry, Pa. Fluid filter. 2,638,228, May 12.

Downey, Louis W., assignor to Detroit Harvester, Company, Detroit, Mich. Power take-off attachment for motor vehicles. 2,656,728, Oct. 27.

Downey, Michael J., San Francisco, Calif. Traffic signal. 2,656,815, Oct. 27.

Downey, Paul M., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Hydroxy aliphatic derivatives of symmetrical di-aromatic thioureas. 2,624,762, Jan. 6.

Downey, Paul M., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Hydroxy substituted aliphatic ether derivatives of nitrogen heterocyclics. 2,642,430, June 16.

Downey, Paul M., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Mercapto azine derivatives. 2,651,630, Sept. 8.

Downey, Reginald L., Syracuse, N. Y., assignor to General Electric Company. High-frequency coupling device. 2,647,947, Aug. 4.

Downey, Richard M., North Judson, Ind., assignor to United States Gypsum Company, Chicago, Ill. Method and apparatus for fiberizing molten material. 2,646,593, July 28.

Downey, William F., assignor to Hercules Powder Company, Wilmington, Del. Higher alkyl ketene dimer emulsion. 2,627,477, Feb. 3.

Downey, William H. J., Wilmington, Del. Com
closet and clothes hamper. 2,636,800, Apr.

Downie, Frank D.: *See*—
Long, John B., and Downie.

Downing, Donell F., Glen Ellyn, assignor to A.
& Company, Melrose Park, Ill. Anch
2,627,637, Feb. 10.

Downing, Eric W., Handsworth Wood, Birmi
signor to Joseph Lucas Limited, Birmingham
Apparatus for controlling the injection of
to internal combustion engines. 2,655,907, Oc

Downing, John: *See*—
Brown, Russell J., Downing, and Groombr
Hodge, Arthur, Drewitt, and Downing.

Downing, John, and J. G. N. Drewitt, Spondon, n
England, assignors to British Celanese Limite
facture of cellulose ethers. 2,644,818, July

Downing, John, and J. G. N. Drewitt, Spondon, n
England, assignors to British Celanese Limi
verting fibrous cellulose into an easily powde
2,663,907, Dec. 29.

Downing, John, and J. G. N. Drewitt, Spondon, n
England, assignors to British Celanese Limite
facture of water-soluble cellulose ethers.
Dec. 29.

Downingtown Manufacturing Company, assigne
Ellis, Enright A.
McArn, Theodore A.

Downs, Bernard I., Forestville, assignor to T
Radiator Company, Hartford, Conn. Hanger
tors. 2,632,632, Mar. 24.

Downs, George W., Jr.: *See*—
Eckart, Carl H., and Downs.

Downs, Jack E., Schenectady, N. Y., assignor
Electric Company. Feedwater heater arrang
steam turbine power plants. 2,644,308, July

Downward, Elwood W.: *See*—
Schulte, Mike T., Litchy, and Downward.

Dowson, Arthur G., London, England, assignor
& Company Incorporated, Newark, N. J. El
sparking plugs and their manufacture. 2,642
16.

Dowty Equipment Limited, assignee: *See*—
Bowers, Eric H.
Carey, Frederick H.
Cussons, Richard C.
Knights, Richard N., and Frye.
Snell, Maurice S.

Doye, Robert H., Jr., Kansas City, Kans. Ciga
timing indicator. 2,649,753, Aug. 25.

Doyen, Juan A., Los Alamos, N. Mex. Vacuum
trol. 2,646,781, July 28.

Doyen, Richard G.: *See*—
Weller, Edward F., Jr., and Doyen.

Doyle, Charles C., Willoughby, Ohio. Heating-c
pliance. 2,639,364, May 19.

Doyle, Dewey I., Sr., assignor to Doyle Vacuu
Co., Grand Rapids, Mich. Vacuum cleaner
and handle coupling. 2,659,616, Nov. 17.

Doyle, Edward J., assignee: *See*—
Swift, Walter S.

Doyle, Frank B., Raymond, Ill., assignor to
Corporation. Puffing gun. 2,627,221, Feb.

Doyle, Frank B., Raymond, Ill., assignor to
Corporation. Two-stage condenser. 2,643,05

Doyle, Frank B., Raymond, Ill., assignor to
Corporation. Three-stage condenser. 2,643,
23.

Doyle, Irving W., Massapequa, assignor to Fairc
cra and Instrument Corporation, Jamaica, N.
film magazine for cameras. 2,651,964, Sept.

Doyle, James F., Forest Hills, assignor to Ark
Bag Company, New York, N. Y. Mak
2,660,100, Nov. 24.

Doyle, Joseph C., assignor to Kee Lox Man
Company, Rochester, N. Y. Carbon paper
manifolding typewriters. 2,631,868, Mar. 17.

Doyle, Joseph C., assignor to Kee Lox Manufactu
pany, Rochester, N. Y. Carbon paper pack for
ing typewriters. 2,664,301, Dec. 29.

Doyle, Mary B., Omaha, Nebr. Automobile
starting mechanism. 2,650,987, Sept. 1.

Doyle, Philip C., Rocky River, Ohio, and K.
Mount Lebanon, Pa., assignors to The Sta
Company, Cleveland, Ohio. Mastic tile co
filler, a binder, a vegetable oil pitch, and wa
2,635,054, Apr. 14.

Doyle, Sebastian B., Miami, Fla. Speed contr
nism for automobiles. 2,663,313, Dec. 22.

Doyle, Thomas J., Milton, assignor to Tubular
Stud Company, Quincy, Mass. Die quenching
2,662,537, Dec. 15.

Doyle Vacuum Cleaner Co., assignee: *See*—
Doyle, Dewey I., Sr.

Doyle, William L. H., and G. C. Riegel, Peori
signors to Caterpillar Tractor Co., San Lean
Forming valve guides. 2,632,235, Mar. 24.

Dozier, Daniel C., Norfolk, Va. Jet-prope
2,643,882, June 30.

D'Ozouville, François, Paris, France, assignor
S. A., Emsallah, Tangier. Remote control
multiple-speed gear boxes. 2,641,637, June 9.

Dr. Ing. h. c. F. Porsche K. G., assignee: *See*—
Rabe, Karl.

Drabkin, Marvin L.: *See*—
Hess, Howard V., Arnold, and Drabkin.
Drackett Company, The, assignee: *See*—
Aue, Lester A., and Boylan.
Drackley, Frank, Whiting, Ind., assignor to Inland Steel Company. Method of and apparatus for removing slag from center hole of ingot soaking pits. 2,643,203, June 23.
Drager, Otto H., assignee: *See*—
Tietze, Hermann.
Dragert, Clarence H., Dallas, Tex. Container and treating apparatus for sour crude oils. 2,632,562, Mar. 24.
Dragon, Peter F.: *See*—
Jacobs, Mayhelt, and Dragon.
Drain, Herbert D., assignor to Walter E. Selck and Co., Chicago, Ill. Sink mounting. 2,627,609, Feb. 10.
Drain, Herbert D., assignor to Walter E. Selck and Company, Chicago, Ill. Sink mounting. 2,628,365, Feb. 17.
Drain, Herbert D., assignor to Walter E. Selck and Co., Chicago, Ill. Template. 2,652,866, Sept. 22.
Drain, Percy J., Roseville, near Sydney, New South Wales, assignor to G. E. Tidbury, Alexandria, near Sydney, New South Wales, Australia. Ironing press apparatus for clothes, textile fabrics, or the like. 2,656,626, Oct. 27.
Drake, Claud E., Brentwood, Mo. Carbide tipped planer saw. 2,659,397, Nov. 17.
Drake, Cyril F., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Metallization of nonmetallic surfaces. 2,639,997, May 26.
Drake, Earl D., assignor to Gibson Refrigerator Company, Greenville, Mich. Refrigerator cabinet. 2,634,879, Apr. 14.
Drake, Edward P.: *See*—
Stowell, Clifford P., Drake, and Humphrey.
Drake, Edward P., Glendale, assignor to Zila Manufacturing Corporation, Los Angeles, Calif. Hand implement for making hooked fabrics. 2,635,567, Apr. 21.
Drake, Edward P., Glendale, and R. S. Mark, Arcadia, assignors to Clary Multiplier Corporation, San Gabriel, Calif. Calculating machine. 2,629,550, Feb. 24.
Drake, Enoch H., Marshall, Mich. Onion digging and harvesting machine. 2,651,157, Sept. 8.
Drake, Frederick H., and J. E. Johanson, assignors to Aircraft Radio Corporation, Boonton, N. J. Antivibration mounting. 2,634,069, Apr. 7.
Drake, George L.: *See*—
Reeves, Wilson A., Drake, and Hoffpauir.
Drake, George L., Jr., and J. D. Guthrie, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Further aminized aminoalkylated celluloses by reacting with ethylenimine. 2,650,241, Oct. 20.
Drake, Harcourt C., Hempstead, N. Y., assignor to Sperry Products, Inc., Danbury, Conn. Ultrasonic rail flaw detector search unit. 2,628,335, Feb. 10.
Drake, Harold E., Fostoria, Ohio. Grinding machine. 2,656,987, Oct. 27.
Drake, John A., Los Angeles, assignor to Marquardt Aircraft Company, Van Nuys, Calif. Temperature control system having means to measure turbine inlet temperature indirectly. 2,641,105, June 9.
Drake, John A., Los Angeles, assignor to Marquardt Aircraft Company, Van Nuys, Calif. Pressure control device. 2,645,240, July 14.
Drake, John E., Glen Rock, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Door-controlled railway-control apparatus. 2,637,009, Apr. 28.
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for forming flat glass. 2,631,410, Mar. 17.
Drake, Leonard C., Wenonah, and R. L. Smith, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reforming catalyst and preparing the same. 2,658,931, Nov. 10.
Drake, Lewis R., assignor to The Dow Chemical Company, Midland, Mich. Chlorophenoxyacetaldehydes. 2,629,741, Feb. 24.
Drake, Lewis R., S. C. Stowe, and K. F. Broucek, assignors to The Dow Chemical Company, Midland, Mich. Recovery of hydrogen cyanide. 2,634,823, Apr. 14.
Drake, Lewis R., S. C. Stowe, and K. F. Broucek, assignors to The Dow Chemical Company, Midland, Mich. Recovery of hydrogen cyanide. 2,634,824, Apr. 14.
Drake, Lewis R., S. C. Stowe, and K. F. Broucek, assignors to The Dow Chemical Company, Midland, Mich. Recovery of hydrogen cyanide. 2,634,825, Apr. 14.
Drake, Nathan L., College Heights, Md., W. J. Shenk, Cleveland, Ohio, and C. M. Eaker, Affton, Mo., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,627,487, Feb. 3.
Drake, Nathan L., College Heights, Md., and S. Melamed, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,627,489, Feb. 3.
Drake, Nathan L., College Heights, Md., and S. Melamed, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,653,895, Sept. 29.
Drake, Robert W., Tulsa, Okla. Heat exchanger cleaning device. 2,634,164, Apr. 7.
Drake, Robert Z., Omaha, Nebr. Apparatus for handling and storing lumber. 2,635,729, Apr. 21.
Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Pattern controlled drive mechanism for machines for operating upon warps. 2,654,138, Oct. 6.
Drake, Vasili S., San Diego, Calif. Propeller template. 2,636,280, Apr. 28.
Drake, Willard M., Jr., Haddonfield, N. J. Flowmeter. 2,648,981, Aug. 18.
Drapal, Othmar L.: *See*—
Hansen, Kurt H. E., Drapal, Hintzmann, and Wegler.
Drapeau, Harold B., Oak Park, assignor to The Dole Valve Company, Chicago, Ill. Thermostatic valve. 2,656,113, Oct. 20.
Drapeau, Harold B., Oak Park, and R. B. Wingerter, assignors to The Dole Valve Company, Chicago, Ill. By-pass thermostatic valve. 2,656,982, Oct. 27.
Drapeau, Joseph E., Jr., Calumet City, and N. B. Barber, Jr., Chicago, Ill., said Drapeau, Jr., assignor to The Glidden Company, Cleveland, Ohio. Producing brass powder. 2,645,573, July 14.
Draper, Charles S., Newton, and Y. T. Li, Cambridge, Mass., assignors to Research Corporation, New York, N. Y. Control system. 2,628,606, Feb. 17.
Draper Corporation, assignee: *See*—
Berry, Edward J.
Berry, Edward J., and Allenson.
Budzyna, Walter J., and Banks.
Budzyna, Walter J., and Flamand.
Cadorette, George.
Consoletti, Paul C.
Donoghue, Florence F., Sanderson, and Pigott.
Donoghue, Florence F., and Thibault.
Flamand, Maurice R.
Jackson, Joseph B., and Moon.
Larson, Francis F.
Nichols, Edward C.
Rickenback, William.
Rogers, Leonard M.
Draper, William H., Jr., Watertown, Mass. Adjustable holding device. 2,646,903, July 28.
Draves, Lehi A., Nucla, Colo. Reversible ditching plow. 2,649,793, Aug. 25.
Dravinski, John T.: *See*—
Hohmann, Richard K., and Dravinski.
Dravo Corporation, assignee: *See*—
Liebman, Arno J., and Dorsey.
Drawag A. G., assignee: *See*—
Rudolf, Emil.
Draxler, Karl J., Los Angeles, Calif. Sliding table top. 2,650,641, Nov. 17.
Dray, Walter L., and F. V. Kuzmitz, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel metering system for gas turbine engines. 2,628,472, Feb. 17.
Drayer, Cleon E., Fort Lauderdale, Fla., assignor, by mesne assignments, to Akron Plating Company, Akron, Ohio. Tool for forming loops in wire leaders. 2,631,617, Mar. 17.
Drechsel, Erhart K.: *See*—
Schaefer, Frederic C., and Drechsel.
Drees, Joseph M., Saratoga, Calif. Machine for washing dishes and the like. 2,654,379, Oct. 6.
Dreese, George A., New Lexington, Ohio. Telescopic multiple-socket wrench. 2,660,082, Nov. 24.
Dreher, George C., Short Hills, N. J. Mouth mirror. 2,625,858, Jan. 20.
Dreher, John A., Trucksville, Pa. Article packaging machine. 2,637,959, May 12.
Dreibelbis, Logan L., San Juan, Tex., assignor to The M. W. Kellogg Company, Jersey City, N. J. Pulse jet engine with spontaneously ignitable fuel and oxidizer. 2,647,364, Aug. 4.
Dreier, Ray, Chicago, Ill. Bottle opener with skirt deforming means. 2,624,219, Jan. 6.
Dreier, Victor G.: *See*—
Miller, Charles A., Dreier, and Gilchrist.
Dreisbach, Paul F.: *See*—
Crossley, Moses L., and Dreisbach.
Dreisbach, Robert H., assignor to The Magnavox Company, Fort Wayne, Ind. Dual stylus phonograph pickup. 2,634,336, Apr. 7.
Dreisbach, Robert H., assignor to The Magnavox Company, Fort Wayne, Ind. "Wow" analysis apparatus. 2,653,019, Sept. 22.
Dreisbach, Robert R., and G. B. Sterling, assignors to The Dow Chemical Company, Midland, Mich. Self-extinguishing alkenylbenzene copolymer composition. 2,658,877, Nov. 10.
Drelich, Arthur H.: *See*—
Simon, Simon A., and Drelich.
Dremann, Walter J., North Warren, and R. E. Dunham, assignors to Sun Ray Electric, Inc., Warren, Pa. Self-ballasting gaseous discharge lamp. 2,648,029, Aug. 4.
Dremel, Albert J., Racine, Wis. Motor-driven screw driver. 2,654,407, Oct. 6.
Drenkard, Adam, Jr.: *See*—
Kimball, Vernon R., and Drenkard.

Dressel, Arthur, Great Neck, N. Y., and A. J. Albrecht, West New York, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Stereotype plate clamp. 2,645,177, July 14.
Dressel, Jack, Jr.: *See*—
Spoon, Walter O., and Dressel.
Dresser Equipment Company, assignee: *See*—
Bennett, John D.
Coberly, Clarence J.
McArthur, Ralph F.
Slater, Willard R.
Dresser Industries, Inc., assignee: *See*—
Bryant, Lorton W.
Houghton, Carl R.
Newell, Frederick T.
Rathman, Gilbert.
Risley, Roger E.
Risley, Roger E., and Hoke.
Risley, Roger E., and Kish.
Dresser Operations, Inc., assignee: *See*—
Reeder, William H., III.
Trumpler, William E.
Dresser, Thorpe, Whiting, and R. B. Smith, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Gas generation. 2,625,465, Jan. 13.
Dressler, Howard V.: *See*—
Sax, Henry V., and Dressler.
Dressler, Robert, Elmont, and A. A. Chesnes, Elmhurst, assignors, by mesne assignments, to Paramount Pictures Corporation, New York, N. Y. Crystal light valve for sound-on-film recording. 2,649,507, Aug. 18.
Drew, E. F., & Co., Inc., assignee: *See*—
Corso, Joseph V., and Ulmer.
Molteni, Henry A., Masarky, and Barsky.
Valko, Emery I., and Kamlet.
Ulmer, Richard C.
Drew, Harry A., West New York, N. J., assignor to Victor Industries Corporation, Brooklyn, N. Y. Collapsible tube capping mechanism. 2,656,065, Oct. 27.
Drew, Harry G. R., Thornton Heath, England. Artificial femoral head having an X-ray marker. 2,650,588, Sept. 1.
Drew, John, Kent, assignor to National Rubber Machinery Company, Akron, Ohio. Garbage grinder control mechanism. 2,642,232, June 16.
Drew, John, Kent, assignor to National Rubber Machinery Company, Akron, Ohio. Garbage grinder control mechanism and control means therefor. 2,657,397, Nov. 3.
Drew, Willis P., La Grange, Ill., assignor to Arkell Safety Bag Company, New York, N. Y. Method of and machine for forming linings. 2,655,080, Oct. 13.
Drewes, Menke, Jr., assignor to Payswell Products Corporation, Chicago, Ill. Motor-driven compressor unit. 2,629,539, Feb. 24.
Drewitt, James G. N.: *See*—
Downing, John, and Drewitt.
Hodge, Arthur, Drewitt, and Downing.
Drewitz, Edwin: *See*—
Lindsay, Kenneth W., and Drewitz.
Drews, Ralph M., Cleveland, and H. L. Farling, Garfield Heights, assignors to Republic Steel Corporation, Cleveland, Ohio. Pickling. 2,653,115, Sept. 22.
Drexler, Murray, assignee: *See*—
Morin, Louis H.
Drey, Norman W., University City, Mo. Preserving and presenting a urine sample for analysis thereof. 2,652,314, Sept. 15.
Dreyer, Theodore F., Newark, N. J. Piston actuated valve for fluid motors. 2,658,485, Nov. 10.
Dreyfus, Felix W., New Orleans, La. Mixer apparatus. 2,635,859, Apr. 21.
Dreyfus, Jean A., Geneva, Switzerland. Electromechanical relay. 2,661,412, Dec. 1.
Dreyfus, Ludwig: *See*—
Hogël, Lennart K. G., and Dreyfus.
Dreyfus, Ludwig, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric eddy current furnace. 2,662,161, Dec. 8.
Dreyfuss, Henry, Pasadena, Calif., W. Winterbottom, New York, N. Y., and K. L. Maier, Philadelphia, Pa., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control panel. 2,655,176, Oct. 13.
Dreyfuss, Paul D.: *See*—
Gaspar, Bela, and Dreyfuss.
Dreyfuss, Paul D., Van Nuys, assignor, by mesne assignments, to B. Gaspar, Beverly Hills, Calif. Production of color photographic images. 2,653,874, Sept. 29.
Drezner, John J., assignor to United Specialties Company, Chicago, Ill. Forming filter housings. 2,641,826, June 16.
Drieschman, Donald F.: *See*—
Sorg, Harold E., Eaves, and Drieschman.
Drieschman, Donald F., Los Altos, and E. F. Wesenberg, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,644,907, July 7.
Driessen, Antje G., administrator: *See*—
Driessen, Maximiliaan G.
Driessen, Maximiliaan G., deceased, Pittsburgh, Pa., by A. G. Driessen, administrator, Amsterdam, Netherlands, assignor to De Directie van de Staatsmijnen, Washington, D. C. Separation of suspension of solid matter in liquids. 2,654,479, Oct. 6.
Driffill, Hubert J.: *See*—
Lentz, Marshall E., Anderson, and Driffill.
Drill, Richard J., East Orange, N. J. Infant tie support. 2,647,714, Aug. 4.
Drillick, Jacob H., Brooklyn, N. Y., assignor to typograph Corporation, Dover, Del. Compotus. 2,663,232, Dec. 22.
Drilling Equipment Mfg. Co., assignee: *See*—
Christensen, Byron C.
Drinka, Joseph J.: *See*—
Nystrom, Karl F., Green, and Drinka.
Drinkard, William E., Birmingham, assignor Corporation, Highland Park, Mich. Crank tion kit. 2,656,000, Oct. 20.
Drisch, Nicolas, Paris, France, assignor, by m ments, to Textile and Chemical Researc Limited, St. Peter Port, Guernsey, Chan Production of cellulose xanthogenate c 2,643,999, June 30.
Drisch, Nicolas, and R. Fays, assignors, by siguments, to Societe Novacel, Paris, Fran retractile articles. 2,645,818, July 21.
Driscoll, Paul A., assignor to Bendix Aviati tion, South Bend, Ind. Automatic brake 2,657,773, Nov. 3.
Driscoll, William V., Ashland, N. Y. Smol waste eliminator. 2,632,376, Mar. 24.
Driskill, Jess L., Spearfish, S. Dak. Dual bed. Apr. 21.
Dritz, Arthur, Brooklyn, assignor to John D New York, N. Y. Doorstop. 2,626,826, Jan
Dritz, John, & Sons, assignee: *See*—
Dritz, Arthur.
Driver, John W., assignee: *See*—
Vodra, Richard J.
Driver, Wilbur B., Company, assignee: *See*—
Allen, Victor O.
Platt, Stephen A.
Driver, Wilfred D., Thessalon Township, Onta Folding bed. 2,634,434, Apr. 14.
Drnek, John L., assignor to Barber-Colma Rockford, Ill. Motor control. 2,654,859, O
Drobney, Joseph A.: *See*—
Gelzheiser, Francis L., and Drobney.
Drobney, Joseph A., Duquesne, and P. W. Br Falls, assignors to Westinghouse Electric East Pittsburgh, Pa. Circuit breaker. 2,6 22.
Drohomer, Alex, Santa Ana, Calif. Clipper for lawn mowers. 2,641,893, June 16.
Dron, Douglas W., Poughkeepsie, N. Y., and F. Jr., Fredericksburg, Va., assignors to Th Separator Company, New York, N. Y. vegetable and animal oils. 2,644,004, June
Dron, Douglas W., Poughkeepsie, N. Y., and F. Jr., Fredericksburg, Va., assignors to Th Separator Company, New York, N. Y. R tallic contaminants from hydrogenated oils. Sept. 1.
Dronoff, Jean, Rye, N. Y. Buckle. 2,640,2
Dros, Albert A., Eindhoven, Netherlands, assig ford National Bank and Trust Company, Har as trustee. Hot-gas reciprocating engine plurality of closed thermodynamic cycles ar simultaneously and which includes a compre 2,643,507, June 30.
Drosdat, Herbert, assignee: *See*—
Spalding, Clarence A.
Droste, Paul F., Glen Ellyn, Ill., and H. J. Hi Millvale, Pa.; C. R. Hill, administratrix, National Cylinder Gas Company, Chicago, I tus and method for filling containers wi mined quantities of gas. 2,645,907, July 21
Drott, Edward A., Milwaukee, Wis. Thrust t device for material handling equipment. Jan. 20.
Drouin, Pierre A., Paris, France. Variable comparator. 2,640,966, June 2.
Drout, William M., Jr., Linden, N. J., assignor Oil Development Company. Purification of distillation. 2,647,861, Aug. 4.
Drout, William M., Jr., Linden, N. J., assignor Oil Development Company. Extractive di alcohols obtained from olefins. 2,663,679, D
Drout, William M., Jr., Linden, C. S. Carlson H. W. Scheeline, West Orange, and P. V. Westfield, N. J., assignors to Standard Oil D Company. Purification of crude aliphati 2,638,440, May 12.
Drout, William M., Jr., Clark Township, Un and W. G. Emerson, Jr., Elizabeth, N. J., Standard Oil Development Company. Exces ess for the manufacture of esters. 2,645,66
Drow, Donald F., Los Angeles, Calif., assigno assignments, to Minneapolis-Honeywell Reg pany. Thermostatic device. 2,643,825, Ju
Drow, Donald F., Los Angeles, assignor, by m ments, to Minneapolis-Honeywell Regulato Flow control and shutoff valve for pil 2,657,006, Oct. 27.
Droz, Marcel E., Pleasantville, N. Y., assig United States of America as represented by tary of the Navy. Range and altitude ca use with echo ranging training equipment. Feb. 10.

Druck, Maurice, Long Beach, N. Y. Curtain. 2,639,767, May 26.

Drueck, Fred, Jr., Chicago, Ill., assignor to Chicago Cardboard Company. Folding display rack. 2,661,176, Dec. 1.

Druey, Jean, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. 4,4-disubstituted 3-amino-5-halogen-pyrazoles. 2,636,039, Apr. 21.

Druey, Jean, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. α-aroyl-β-trichlormethyl-ethylenes. 2,659,757, Nov. 17.

Druey, Jean, Riehen, and P. Schmidt, Therwil, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 5-hydroxy-4 : 7-phenanthrolines and the preparation thereof. 2,640,830, June 2.

Drum Corporation, The, assignee : *See*—
Drum, Vern R.
Guimond, Charles W.
Vengris, Michael P.

Drum, Harry S., and W. C. Dodson, Abington, assignors to Smith, Drum & Company, Philadelphia, Pa. Machine for processing thermoplastic hosiery. 2,651,932, Sept. 15.

Drum Parts, Inc., assignee : *See*—
Kohout, Frank J.
Kojan, John J.

Drum, Vern R., Marine City, assignor to The Drum Corporation, Richmond, Mich. Paint tray. 2,659,917, Nov. 24.

Drumboy, Inc., assignee : *See*—
Negola, Carmine.

Drummond, William : *See*—
Peters, William and Drummond.

Drummond, William D., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Power-lift for agricultural implements. 2,634,662, Apr. 14.

Drummondville Cotton Company Limited, assignee : *See*—
Johnson, Roland, and Kolb.

Drury, Carroll H. : *See*—
Flanders, Ernest V., and Drury.

Drury, Herbert R., Laguna Beach, Calif. Centrifugal separator. 2,647,686, Aug. 4.

Drury, Lawrence G., Newton, Mass. Device for teaching vernier reading. 2,632,963, Mar. 31.

Drury, Lawrence G., Newton, Mass. Educational device for reading micrometers. 2,635,356, Apr. 21.

Drustrup, Thomas G., Groton, Conn., assignor to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Crystalline β-ionone. 2,638,483, May. 12.

Druz, Walter S. : *See*—
Roschke, Erwin M., and Druz.
Stroh, Walter J., and Druz.

Druz, Walter S., Chicago, Ill., assignor to Zenith Radio Corporation. Signal slicing circuits. 2,632,049, Mar. 17.

Dry, Claud J. : *See*—
Orcutt, Dale C., and Dry.

Dryden, Horace W., Modesto, Calif. Fowl marker. 2,637,922, May 12.

Dryden, Horace W., Modesto, Calif. Incubator with automatic temperature and humidity control. 2,646,930, July 28.

Dryden, Horace W., Modesto, Calif. Chicken wing marker. 2,654,169, Oct. 6.

Dryden, Ian G. C., London, England. Coating with a coal extract and baking. 2,654,676, Oct. 6.

Dryden, Ian G. C., Wallington, and J. H. McKee, Ashted, assignors to C. U. R. A. Patents Limited, Leatherhead, Surrey, England. Uniting solids with the aid of binding and adhesive agents. 2,652,354. Sept. 15.

Dry-Freeze Corporation, assignee : *See*—
Colton, Ralph F.

Dryg, Donald W., Minneapolis, Minn., assignor to General Mills, Inc. Gyratory drive for sifters. 2,634,617, Apr. 14.

Dry Ice Converter Corporation, assignee : *See*—
Pritchard, Levi T.

Drying Systems, Inc., assignee : *See*—
Burgess, Russell H.

Dualex Corporation, assignee : *See*—
Durkee, James D.

Dualoc Engineering Co., assignee : *See*—
Schoenrock, Otto R.

Duane, John J., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Dehalogenating halogenosilanes. 2,646,441, July 21.

Duarry-Serra, Juan, Barcelona, Spain. Rubberizing hollow articles of fibrous material. 2,661,306, Dec. 1.

Dubach, Lena E., Kansas City, Mo. Folding tray. 2,626,845, Jan. 27.

Dubach, Lena E., Kansas City, Mo. Telescoping support for a tray having a tiltable head. 2,628,142, Feb. 10.

Dubberley, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Piston assembly for reciprocating compressors. 2,663,601, Dec. 22.

Dubbs, Carbon C., Orange, Calif. Process and apparatus for molding concrete products. 2,650,409, Sept. 1.

Dubbs, Carbon C., Orange, Calif. Molding concrete products. 2,650,412, Sept. 1.

Dube, John B., Dallas, Tex. Producing lightweight aggregates. 2,639,269, May 19.

Dube, John B., Dallas, Tex. Apparatus for producing lightweight aggregates. 2,642,273, June 16.

Dube, John B., Dallas, Tex. Insulated container for perishable substances. 2,647,653, Aug. 4.

Duberstein, Samuel, Brooklyn, N. Y., assignor to American Sundries Company, Inc. Dual-purpose vaporizer. 2,624,924, Jan. 13.

Dubied Machinery Company, assignee : *See*—
Sandri, John G.

Dubiell, Edward J., assignor to H. L. Judd Company, Wallingford, Conn. Curtain rod. 2,652,156, Sept. 15.

Dubin, Serrol, and J. Goldberg, Cleveland, Ohio. Tire display. 2,660,823, Dec. 1.

Du Bois, Adrien S., Jersey City, N. J., and E. I. Valko, New York, N. Y., assignors to Onyx Oil & Chemical Company, Jersey City, N. J. Aromatic nitrogen compounds. 2,636,036, Apr. 21.

Dubois, André J. : *See*—
Pouradier, Jacques J. L., and Dubois.

Dubois, Georges, assignor to A. Schild S. A., Granges, Switzerland. Self-winding watch mechanism. 2,645,895, July 21.

Dubois, Robert : *See*—
Arbelt, Pierre, Dubois, and Lambert.

Du Bois, Robert F. : *See*—
Dudis, Charles G., and Du Bois.

Du Bois, Robert C., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure sensitive resistor. 2,656,444, Oct. 20.

Dubpernell, George, Watertown, Conn., and S. M. Martin, Glen Ridge, N. J., assignors to United Chromium, Incorporated, New York, N. Y. Electroplating barrel. 2,624,728, Jan. 6.

Du Brow, Paul L., Chicago, and J. Harwood, Western Springs, assignors to Armour and Company, Chicago, Ill. Preparation of unsymmetrical secondary amines. 2,627,526, Feb. 3.

Dubsky, Arthur, assignee : *See*—
Wiessner, Robert.

Dubusc, Roger P., Boulogne, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France. Scribable coating composition. 2,662,828, Dec. 15.

Ducasse, Vidal, Winston-Salem, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Fixture for testing card potentiometers. 2,641,631, June 9.

Ducharme, William G., Hartford, Conn. Padlock having gravity actuated detent. 2,659,228, Nov. 17.

Duckett, Edward J., and G. A. Klotzbaugh, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Secrecy transmission system. 2,660,666, Nov. 24.

Duckitt, Harry : *See*—
Stevens, Sydney A., and Duckitt.

Duckstein, William F., assignor to The Maytag Company, Newton, Iowa. Collector ring assembly. 2,634,358, Apr. 7.

Duclos, Marc, Rolle, Switzerland. Gauge. 2,651,112, Sept. 8.

Ducommun, Georges, assignor to Ebauches S. A., Grenchen, Switzerland. Winding and setting mechanism for watch or clock movements. 2,655,784, Oct. 20.

Duda, A., & Sons, assignee : *See*—
Duda, John, A., Jr., and F.

Duda, Andrew, Jr. : *See*—
Duda, John, A., Jr., and F.

Duda, Ferdinand : *See*—
Duda, John, A., Jr., and F.

Duda, John, A., Jr., and F., assignors to A. Duda & Sons, Oviedo, Fla. Apparatus for harvesting crops. 2,647,525, Aug. 4.

Duda, Michael, Newark, N. J. Nursery lamp. 2,638,530, May 12.

Dudgeon, John E., Omaha, Nebr. Thermal regulator for flush tanks. 2,632,460, Mar. 24.

Dudis, Charles G., assignor to The National Cash Register Company, Dayton, Ohio. Printing wheel device. 2,663,257, Dec. 22.

Dudis, Charles G., and R. F. Du Bois, assignors to The National Cash Register Company, Dayton, Ohio. Printing plate inker. 2,654,340, Oct. 6.

Dudley, Carl W., Beverly Hills, Calif. Tray support. 2,644,660, July 7.

Dudley, Charlie H., and E. R. McGrath, Asheboro, N. C. Machine for marking the locations of traffic stripes on highways. 2,633,382, Mar. 31.

Dudley, Darle W., South Peabody, Mass., assignor to General Electric Company. Thrust bearing. 2,659,635, Nov. 17.

Dudley, Frank E., Philadelphia, Pa. Tube expanding. 2,649,889, Aug. 25.

Dudley, John S., Douglas, and C. D. Brandt, assignors to Whitin Machine Works, Whitinsville, Mass. Mechanism for bodily rotating silver cans in fixed orientation. 2,657,435, Nov. 3.

Dudnikov, Mitchell, Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Manufacturing phthalocyanines. 2,657,213, Oct. 27.

Duell, Morgan V. : *See*—
Boden, George, and Duell.

Dueringer, Walter E., Shaker Heights, Ohio, assignor to Bailey Meter Company. Recording apparatus. 2,631,917, Mar. 17.

Dueringer, Walter E., Shaker Heights, Ohio, assignor to Bailey Meter Company. Chart pad for recording meters. 2,631,919, Mar. 17.

Duerkoppwerke Aktiengesellschaft, assignee : *See*—
Nicolay, Karl.

Duerksen, Abraham J., Bridgeport, assignor of one-half to G. A. Duerksen, Alliance, Nebr. Ratchet wrench device for use on nuts or bolts in normally inaccessible locations. 2,658,416, Nov. 10.

Duerksen, George A., assignee : *See*—
Duerksen, Abraham J.

Duerr, Charles, Glendale, assignor to Jacoby-Bender, Inc., New York, N. Y. End clasp for bracelets or the like. 2,624,092, Jan. 6.

Duerr, Herman H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing tricolor separations. 2,628,901, Feb. 17.

Duerr, Herman H., H. W. Morreall, Jr., and H. C. Harsh, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Multicolor negative film with integral masking images. 2,629,657, Feb. 24.

Duesel, Bernard F. : *See*—
Feinstone, Wolffe H., and Duesel.

Duesenberg, Denny D., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston ring. 2,642,323, June 16.

Duetser, Alton J., Northville, Mich., and F. T. Crookshank, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Noncorrosive soluble oil containing active sulfur. 2,655,478, Oct. 13.

Du Fault, Homer D., Easthampton, assignor to Heatbath Appliances, Inc., Indian Orchard, Springfield, Mass. Gas burner secondary air-feed ring and baffle. 2,642,131, June 16.

Duff, Alexander G., Toronto, Ontario, Canada, assignor to Remington Rand Inc., New York, N. Y. Consecutive numeral punching mechanism. 2,640,538, June 2.

Duffin, George F. : *See*—
Kendall, John D., and Duffin.

Duffy, C. Hugh, assignee : *See*—
Roberts, William C., and Duffy.

Duffy, Cyrus P., Brooklyn, N. Y. Dishwashing apparatus. 2,626,622, Jan. 27.

Duffy, Edward F., assignor to La Crosse Trailer Corporation, La Crosse, Wis. Self-adjusting tractor-trailer draft device. 2,640,710, June 2.

Duffy, Edward K., assignor to Rome Cable Corporation, Rome, N. Y. High-voltage sparker for self-supporting cable with bare messenger. 2,635,136, Apr. 14.

Duffy, Edward W. : *See*—
Nies, Brainard W., and Duffy.

Duffy, Frank A., Jr., Kansas City, Mo. Electrical conduit bending and straightening device. 2,659,410, Nov. 17.

Duffy, James J., and J. Corngold, Los Angeles, Calif. Convertible chair. 2,657,736, Nov. 3.

Duffy, Joseph S. : *See*—
Erhardt, John E., Jr., and Duffy.

Duffy, Owen E. : *See*—
Roberts, William C., and Duffy.

Dufour, Adrien L., Dijon, France. Onion trimming machine. 2,651,344, Sept. 8.

Dufour, Bradford E., Pawtucket, R. I. Mop assembly. 2,631,324, Mar. 17.

Dufour, Raymond J., Wheaton, Ill. Remote meter registration device. 2,633,296, Mar. 31.

Dufourd, Andrew J., Los Angeles, Calif., and F. A. Lovshin, Shelton, Conn., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Loom shuttle box with electric switch loom control. 2,625,183, Jan. 13.

Dugan, Edd, Davidson, Okla. Cotton stripper. 2,655,780, Oct. 20.

Dugan, James N., Cincinnati, Ohio. Awning structure. 2,627,309, Feb. 3.

Duggan, James J., Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Liquid proportioner. 2,629,448, Feb. 24.

Duggan, Joseph J., Wollaston, Mass. Fish cutting machine. 2,654,119, Oct. 6.

Dugin, Leo J. : *See*—
Vail, Walter J. and R. B., Demerath, Dugin, and Nyberg.

Dugin, Leo J., assignor to National Autostitch Corporation, Chicago, Ill. Removable staple drive guide for staple driving implements. 2,645,773, July 21.

Duhamel, Howard G. : *See*—
Denney, Lee J., Duhamel, and Engsberg.

Duhamel, Howard G., Verona, N. J., E. O. Campbell, Flushing, N. Y., and R. A. Reed, Rutherford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Party-line telephone system. 2,633,496, Mar. 31.

Duhaime, Edward J., Brooklyn, and F. J. Musacchia, Jamaica, N. Y. Combined cigarette container and ash tray. 2,629,388, Feb. 24.

Duhn, Jens W., Pleasant Ridge, assignor to Chrysler Corporation, Highland Park, Mich. Heater. 2,631,517, Mar. 17.

Duintjer Wilkens Meihuizen & Co., assignee : *See*—
van der Mark, Gerrit, and K.

Duis, Glenn A., and G. S. Park, assignors to Anthony Company, Streator, Ill. Vehicle lift gate. 2,654,491, Oct. 6.

Duke, Harry, W. B. Greenwood, and J. Thoma
Salem, N. C., assignors to Western Electri
Incorporated, New York, N. Y. Magneti
polarity testing device. 2,644,919, July 7.

Duke, Harvie J., Butler, assignor to Monroe
Machine Company, Orange, N. J. Autom
scheduling means for listing calculating
2,658,669, Nov. 10.

Duke, Ivan A., Epsom, Auckland, New Zealan
post. 2,641,448, June 9.

Duke, James B., Medulla, and W. M. Houston
Fla., assignors to Attapulgus Minerals &
Corporation. Concentration of phosp
2,661,842, Dec. 8.

Duke, James L., Shreveport, La. Adjusta
2,634,740, Apr. 14.

Duke, Marshall W. : *See*—
Baggett, John L., and Duke.

Duke, Olin D., Guymon, Okla. Stock feeder.
Sept. 8.

Duke, Samuel, Chicago, Ill. Folding w
2,625,207, Jan. 13.

Duke, Vernon J., Rockville Centre, N. Y.,
Radio Corporation of America. Synchroni
2,626,390, Jan. 20.

Dukert, Andrew A. : *See*—
White, Ben F., Cushman, and Dukert.

Dukes, Charles F., Hoboken, and L. Godwi
Ga. Debarker and sprayer. 2,645,058, July

Dukes, Lester C., Seattle, Wash. Fishing reel
Oct. 27.

Dulak, August, West, Tex. Swimming pool
vice. 2,646,889, July 28.

Dulak, John T. : *See*—
Rack, Edward R., Duncan, and Dulak.

Duley, Roscoe A., La Mesa, and M. E. Hosler
Calif. Syringe supporting and identi
2,659,485, Nov. 17.

Dull, Marshall L., Wilmington, Del., assign
matic, Incorporated. Method and device fo
lateral movement to an automobile. 2,639,

Dulle, William J., Kansas City, Mo. Lamp s
2,634,864, Apr. 14.

Dulleck, Albert C., Los Altos, Calif. Concre
stake therefor. 2,637,889, May 12.

Dulligan, John H., South Gate, Calif.
2,661,540, Dec. 8.

Dulligan, John H., South Gate, Calif. He
hole gauge. 2,661,541, Dec. 8.

Dullinger, Emil J., Oakesdale, Wash. Motor-d
currying brush. 2,649,597, Aug. 25.

Du Mais, Leo J., assignor to Da-Lite Scree
Inc., Chicago, Ill. Picture screen stand.
Nov. 17.

Dumas, Albert S., Salem, Mass., assignor to
Machinery Corporation, Flemington, N.
machine. 2,645,921, July 21.

Dumas, Jacques, assignor to Etablissements E
Paris, France. Antitank mines. 2,656,792

Dumble, Paul E., Elmsford, W. J. Dumble, Ne
J. J. Dowling, Bellerose, assignors to James
& Co., New York, N. Y. Lounge bed w
back. 2,660,734, Dec. 1.

Dumble, William J. : *See*—
Dumble, Paul E. and W. J., and Dowling.

Du Mond, Jesse W. M., assignor to California
search Foundation, Pasadena, Calif. I
gauge. 2,655,044, Oct. 13.

Du Mont, Allen B., Laboratories, Inc., assign
Baracket, Albert J.
Casey, Robert F.
Cavanagh, Robert T.
Christaldi, Peter S.
Dyne, James H., and Baker.
Geohegan, William A.
Giordano, Americo F.
Grace, Francis C., and Artman.
Grunwald, Werner J.
Hoagland, Kenneth A.
Hulst, George D.
Leighton, Herndon W.
Maron, Meyer.
Marsh, Clee O., Jr.
Mensch, Harvey P.
Olson, Alton L.
Pohle, Eric.
Schmidt, Fred W., Jr.
Seldin, Leon.
Smith, Harry R.
Smith, Harry R., and Ruston.
Talamini, Arthur J., Jr.
Talamini, Arthur J., Jr., and Palmer.

Dumore Company, The, assignee : *See*—
Steibel, James P.

Dumousseau, Claude : *See*—
Touraton, Emile, and Dumousseau.
Touraton, Emile, Piquet, and Dumousseau

Dunasky, Joseph E. : *See*—
Craig, John J., Dunasky, Morgan, and F

Dunasky, Joseph E., Cleveland, and A. L. Foo
Heights, assignors to Arthur G. McKee
Cleveland, Ohio. Furnace feeding apparatu
Apr. 28.

Dunavant, Lee R., Seattle, Wash. Liquid metering apparatus. 2,649,713, Aug. 25.
Dunbar, James Y., United States Navy. Synchronous augmenter for resojet motors. 2,628,471, Feb. 17.
Dunbar, Norman R., Downey, assignor to Eldon Manufacturing Co., Los Angeles, Calif. Container and seal. 2,655,282, Oct. 13.
Dunbrack, Alvin P.: *See*—
Sharlip, Edgar Y., and Dunbrack.
Duncan, Angus W., assignor to The Mining Engineering Company Limited, Worcester, England. Scraper chain conveyer. 2,633,230, Mar. 31.
Duncan, Angus W., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Conveyer belt driving unit. 2,639,802, May 26.
Duncan, Angus W., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Belt conveyer driving unit. 2,649,188, Aug. 18.
Duncan, Arlis M., Pasadena, Calif. Transfer chute for connection between dry cleaning and solvent recovery machines. 2,659,224, Nov. 17.
Duncan, Daniel D., Glendale, Calif. Machine for operating a piercer-carrying plunger both to piece and advance the work being operated on. 2,627,923, Feb. 10.
Duncan, Donald F., Inc., assignee: *See*—
Stivers, Norman J., and Ennis.
Duncan Electric Manufacturing Company, assignee: *See*—
Holmes, Henry B., and Road.
Paine, Louis A., and Dorsam.
Road, Richard A., and Coleman.
Duncan, Forrest M., Long Island City, assignor, by mesne assignments, to Champion Implement Corporation, New York, N. Y. Motor operated spray device. 2,654,636, Oct. 6.
Duncan, George D., Jr., Fulton, Mo. Timber-moving saw attachment for tractors. 2,662,561, Dec. 15.
Duncan, George R., assignor to Zero Manufacturing Company, Washington, Mo. Spreader for milk can filling means. 2,639,851, May 26.
Duncan, Harry H., Milan, Tenn., and J W Volner, Chandler, Ariz. Auxiliary spacer for dual tire wheel assemblies. 2,649,338, Aug. 18.
Duncan, Ira J., assignor to Detrex Corporation, Detroit, Mich. Composition and method for removing hardened silicone resin glazes from metal surfaces. 2,662,837, Dec. 15.
Duncan, Owen G., Racine, Wis. Nonspillable vent plug for storage batteries. 2,660,611, Nov. 24.
Duncan Parking Meter Corporation, assignee: *See*—
Broussard, Robert F.
Duncan, Richard L., U. S. Navy. Indicator. 2,639,686, May 26.
Duncan, Robert C., Chevy Chase, Md. Fair-lead for mine anchors. 2,631,819, Mar. 17.
Duncan, Robert J.: *See*—
Rack, Edward R., Duncan, and Dulak.
Duncan, Robert K.: *See*—
Anderson, Leslie J., and Duncan.
Duncan, Robert K., Woodburn, Ind., assignor to Radio Corporation of America. Electroacoustical signal transducer. 2,647,162, July 28.
Duncan, Russell F., Berea, Ohio, assignor to Ferro Corporation. Ceramic pigment and manufacture of same. 2,644,767, July 7.
Duncan, Theodore R., North Hollywood, assignor to Mattel Creations, Inc., Culver City, Calif. Musical toy vehicle. 2,630,655, Mar. 10.
Duncan, Theodore R., North Hollywood, Calif. Music box comb and sounding board construction. 2,647,427, Aug. 4.
Duncan, Theodore R., Hollywood, assignor to Mattel Creations, Inc., Culver City, Calif. Making melody combs. 2,649,652, Aug. 25.
Duncan, Thomas P., Jr., Newport News, Va. Flexible sprinkler unit. 2,628,865, Feb. 17.
Duncan, Thomas W., and A. C. Rosencranz, Evansville, Ind., assignors to Seeger Refrigerator Company, St. Paul, Minn. Automatic defrosting evaporator. 2,654,226, Oct. 6.
Dunegan, Harry C., Garden City, N. Y., assignor to the United States of America as represented by the Secretary of the Air Force. Ceramic composition. 2,631,940, Mar. 17.
Dunér, Edwin: *See*—
Malmvik, Elof, and Dunér.
Dungan, Raymond M., and R. I. Hakomaki, Minneapolis, Minn., assignors to General Mills, Inc. Balloon and inflating same. 2,635,835, Apr. 21.
Dungan, Theodore A.: *See*—
Olsen, John C., and Dungan.
Dungler, Julien, Basel, Switzerland. Conveying means for webs or sheets. 2,640,277, June 2.
Dungler, Julien, Basel, Switzerland. Apparatus for continuously treating lengthy cellulose material. 2,641,850, June 16.
Dungler, Julien, Basel, Switzerland. Combination dyeing and squeezing device for cloth-dyeing machines. 2,641,917, June 16.
Dungler, Julien, Basel, Switzerland. Web feed means for rotary printing machines. 2,649,044, Aug. 18.
Dunham Company, The, assignee: *See*—
Kraus, Raymond M.
Dunham, Elmer J.: *See*—
Backofen, E. Ryan, Dunham, and Skellenger.
Dunham, Elmer J., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Dual wheel drive with lubricating means. 2,638,173, May 12.
Dunham, George W., Westport, Conn. Shuttleless loom which pneumatically projects weft thread. 2,637,349, May 5.
Dunham, George W., Westport, Conn., assignor to Savage Arms Corporation, Utica, N. Y. Lawn mower construction. 2,646,658, July 28.
Dunham, James V., Jenkintown, Pa. Subcaliber adapter. 2,654,318, Oct. 6.
Dunham, Le Roy S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Air-depolarized primary cell. 2,644,025, June 30.
Dunham, Le Roy S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Primary battery. 2,650,947, Sept. 1.
Dunham, Robert E.: *See*—
Dremann, Walter J., and Dunham.
Dunham, Robert W., Drexel Hill, Pa., assignor to General Electric Company. Two-way rotary motion shock resisting device. 2,631,690, Mar. 17.
Dunham, Ronald B., Birmingham, Mich. Fish lure. 2,646,642, July 28.
Dunham, Thomas M., assignor to Aurora Equipment Company, Aurora, Ill. Bead construction. 2,657,775, Nov. 3.
Dunham, Thomas M., Batavia, assignor to Aurora Equipment Company, Aurora, Ill. Shelf attaching and supporting means. 2,639,043, May 19.
Dunhill, Alfred, Limited, assignee: *See*—
Smyth, Herbert C. H.
Dunkelberger, Milton S., Dayton, Ohio. Electric motor. 2,630,464, Mar. 3.
Dunkelberger, Milton S., Dayton, Ohio. Combined housing and flexible flashlight support. 2,648,762, Aug. 11.
Dunkelow, Henry J., assignor to Twin Disc Clutch Company, Racine, Wis. Adjustable cam operated clutch. 2,641,345, June 9.
Dunkelow, Henry J., assignor to Twin Disc Clutch Company, Racine, Wis. Control valve. 2,655,167, Oct. 13.
Dunlap, Arthur H., and F. S. and W. C. Boldrin, Seattle, Wash.; said F. S. and W. C. Boldrin assignors to said Dunlap. Machine and method for producing corner beads for use in dry-built construction. 2,649,890, Aug. 25.
Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Textile bobbin. 2,624,525, Jan. 6.
Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Textile bobbin. 2,626,764, Jan. 27.
Dunlap, Henry F.: *See*—
Glanville, Charles R., Dunlap, and Shuler.
Dunlap, Robert D.: *See*—
Simons, Joseph H., and Dunlap.
Dunlap, Samuel D. J., Detroit, Mich. Means for securing conductors to outlet boxes. 2,652,269, Sept. 15.
Dunlap, William C., Jr., Schenectady, N. Y., assignor to General Electric Company. Stabilizing semiconductor material. 2,639,246, May 19.
Dunlap, William C., Jr., Schenectady, N. Y., assignor to General Electric Company. Germanium photocell. 2,644,852, July 7.
Dunlevy, Ralph, H. Frick, and J. H. Shoemaker, assignors to Kolene Corporation, Detroit, Mich. Apparatus and method for processing of steel strip continuously. 2,635,062, Apr. 14.
Dunlevy, Ralph, H. Frick, and J. H. Shoemaker, assignors to Kolene Corporation, Detroit, Mich. Processing of steel strip continuously. 2,635,063, Apr. 14.
Dunlevy, T. Ross, assignee: *See*—
Hannah, Philip.
Dunlop, Andrew P., Riverside, and S. Swadesh, Maywood, assignors to The Quaker Oats Company, Chicago, Ill. Preparation of 3-pyridols from 2-acylfurans. 2,636,882, Apr. 28.
Dunlop, Andrew P., Riverside, and S. Swadesh, Broadview, assignors to The Quaker Oats Company, Chicago, Ill. Preparation of 2-acylpyrroles from 2-acylfurans. 2,655,512, Oct. 13.
Dunlop, James, Philadelphia, Pa. Multiple tap resistance unit and making the same. 2,627,008, Jan. 27.
Dunlop Rubber Company Limited, assignee: *See*—
Brierley, Paul.
Butler, Henry J.
Tibenham, Frederick J.
Trevaskis, Henry.
Trevaskis, Henry W.
Dunlop Tire and Rubber Corporation, assignee: *See*—
Anderson, John, and Goy.
Dibdin, Thomas J. R.
Kendall, Charles E., and Landau.
McChesney, Cuyler S.
Dunman, Thomas E., Pawhuska, Okla. Holder for parallel groove clamps. 2,632,218, Mar. 24.
Dunmire, Robert W., North Canton, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Forming airplane canopies. 2,648,099, Aug. 11.
Dunn, Carroll N., Washougal, Wash. Transformer gin. 2,625,371, Jan. 13.
Dunn, Celia, San Francisco, Calif. Typewriter guide. 2,659,978, Nov. 24.
Dunn, Charles I., Chicago, Ill. Fishing reel. 2,634,920, Apr. 14.

Dunn, Charles W., assignor of forty per cent to J. W. Williamson, Lovington, N. Mex. Can tapper and liquid dispenser unit. 2,660,338, Nov. 24.
Dunn, David L., Seattle, Wash. Flour sifter vibrated by electric motor having an unbalanced shaft. 2,664,201, Dec. 29.
Dunn, Elman R., and D. F. Price, assignors to Landis Tool Company, Waynesboro, Pa. Apparatus for grinding noncylindrical surfaces. 2,654,189, Oct. 6.
Dunn, George E., assignor to Universal Products Company, Inc., Dearborn, Mich. Universal joint. 2,625,018, Jan. 13.
Dunn, George E., assignor to Universal Products Company, Inc., Dearborn, Mich. Universal joint. 2,636,362, Apr. 28.
Dunn, George W., Berea, Ohio. Depth control device for fishing tackle. 2,648,929, Aug. 18.
Dunn, Guy A., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Fruit processing machine. 2,657,725, Nov. 3.
Dunn, Henry M., and D. Oles, assignors to Choldun Manufacturing Corporation, New Haven, Conn. Fluid separating and preserving means for apparatus for cleaning vehicle radiators or the like. 2,655,161, Oct. 13.
Dunn, Holbert E., Crafton, Pa., and J. Strauss, assignors to Vanadium Corporation of America, New York, N. Y. Magnesium alloys and making the same. 2,656,269, Oct. 20.
Dunn, James H.: *See*—
Miller, Leo A., Dunn, and Neher.
Dunn, James H., C. M. Neher, and P. W. Trotter, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Manufacture of chloroprene. 2,635,122, Apr. 14.
Dunn, James M., Sandpoint, Idaho. Well construction. 2,646,129, July 21.
Dunn, James P., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fastening device for bubble cap assemblies. 2,653,018, Sept. 22.
Dunn, Jerry J., Ellwood City, and W. O. Clinedinst, Pittsburgh, Pa., assignors to United States Steel Corporation. Method and means for increasing bending fatigue strength of rotary steel drill pipes. 2,641,488, June 9.
Dunn, John F., Dos Palos, Calif. Water heater. 2,659,804, Nov. 17.
Dunn, John W., Alhambra, assignor to Cal-Alloy Castings, Inc., Glendale, Calif. Venetian blind tilter. 2,634,809, Apr. 14.
Dunn, John W., Alhambra, assignor to Cal-Alloy Castings, Inc., Glendale, Calif. Venetian blind. 2,643,712, June 30.
Dunn, Joseph A., and H. W. Diamond, assignors, by mesne assignments, to Diamond Crystal Salt Co., St. Clair, Mich. Production of salt brine. 2,641,537, June 9.
Dunn, Joseph L., Randolph Township, Montgomery County, Ohio. Electrical splice box. 2,659,765, Nov. 17.
Dunn, Joseph W., Los Angeles, Calif. Adjustable marking rule. 2,659,980, Nov. 24.
Dunn, Parker S.: *See*—
Douglass, Emory W., and Dunn.
Dunn, Rayburn W., assignor to The Regents of the University of California, Berkeley, Calif. Multiple extraction apparatus. 2,620,376, Mar. 3.
Dunn, Robert C.: *See*—
Byler, Raymond E., and Dunn.
Dunn, Robert U., Phillips, Tex., assignor to Phillips Petroleum Company. Control apparatus. 2,652,846, Sept. 22.
Dunn, Roland H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,649,580, Aug. 18.
Dunn, Ulysses S., Chicago, Ill. Forming wound magnetic cores. 2,655,717, Oct. 20.
Dunn, William D., Linden, N. J. Cigarette package and matchbook holder. 2,640,588, June 2.
Dunn, William J., assignor to The H. B. Smith Company, Incorporated, Westfield, Mass. Push nipple. 2,643,646, June 30.
Dunn, William T.: *See*—
Bucy, Roy T., Syrovy, and Dunn.
Syrovy, Augustin J., Dunn, and Bucy.
Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,211, Jan. 6.
Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch construction. 2,632,541, Mar. 24.
Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,635,477, Apr. 21.
Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,635,725, Apr. 21.
Dunn Worsted Mills, assignee: *See*—
Birtwell, William C.
Dunn, Zessie M., Oklahoma City, and J. E. Streit, El Reno, Okla. Surgical glove-dusting machine. 2,633,824, Apr. 7.
Dünnebier, Kurt, administrator: *See*—
Winkler, Richard, and Dünnebier.
Dünnebier, Max: *See*—
Winkler, Richard, and Dünnebier.
Dunnegan, Ted, Jr., and H. M. Ogle, Schenectac
assignor to General Electric Company. Strip
apparatus and saturable reactor control
2,661,009, Dec. 1.
Dunning, Clayton L., Fairport Harbor, assigno
mond Alkali Company, Cleveland, Ohio. Obta
chlorine gas from a gaseous mixture compr
mental chlorine as a principal component the
23,690, July 28.
Dunning, Ethel S., St. Paul, Minn. Scarf
2,660,731, Dec. 1.
Dunning, Harry C., Columbus, Ohio. Radial cy
gine. 2,638,876, May 19.
Dunning, John W., Lakewood, assignor to The V.
son Company, Cleveland, Ohio. Cooking o
vegetable seeds and nuts. 2,629,722, Feb. 2
Dunning, Robert M., assignor to Waldorf Paper
Company, St. Paul, Minn. Apparatus for fold
pers. 2,660,099, Nov. 24.
Dunning, Robert M., assignor to Waldorf Paper
Company, St. Paul, Minn. Roll support.
Nov. 24.
Dunnington, Edwin T., Indianapolis, Ind. Chain
2,642,102, June 16.
Dunnock, William M., Baltimore, Md. Clothe
and tightener. 2,626,763, Jan. 27.
Dunod, Jean, Paris, France. Loom for circular
2,624,367, Jan. 6.
Dunod, Jean, Paris, France. Weft replenishi
ratus for circular looms. 2,624,368, Jan. 6.
Dunod, Jean, assignor to Qualitex-Société Dun
Paris, France. Arrangement for the forma
beating up of the wefts in circular weavi
2,659,393, Nov. 17.
Dunsheath, Thomas J., assignor to Magnaflux
tion, Chicago, Ill. Electrical contact. 2,639,
19.
Dunston, James M., Jeffersonville, Ind. Convert
and liquid fuel-burning stove. 2,653,596, Se
Duntley, Seibert Q., Cambridge, Mass., assigno
eral Electric Company. Measuring visibility.
Dec. 8.
Duo-Vent Vacuum Closure Company, assignee:
Jesnig, Charles J.
Dupasquier, Joseph H., Oregon City, Oreg., as
Crown Zellerbach Corporation, San Francis
Dripless steam shower pipe. 2,642,314, June
Duplan Corporation, The, assignee: *See*—
Branan, Wiley M., Burrows, and Mackey.
Burrows, Lawton A., Cavanaugh, and Nagle
Carnahan, James E.
Cline, Edward T., and Stevenson.
Cochran, John K.
Culhane, Paul J., and Rothrock.
England, David C.
Graham, Boynton.
Gregory, Walter A.
Gresham, William F.
Hansley, Virgil L., and Hilts.
Jennings, Andrew B.
Lipscomb, Robert D.
Loving, Frank A., Jr.
Maynard, John T.
McAlpine, Harry, and Hoerig.
McClellan, William R., and Stevenson.
Merner, Richard R.
Murray, Otis W.
Werntz, James H.
Dupler, Paul E.: *See*—
Arthur, Paul, Jr.
Willis, Hilary B., and Dupler.
Dupler, Raymond R., Toledo, Ohio. Mounting
globe made up of hemispherical sections.
Feb. 17.
Dupler, Raymond R., Toledo, Ohio. Indirectly il
globe assembly. 2,641,683, June 9.
Dupler, Raymond R., Toledo, Ohio. Mounting
illuminated globes. 2,660,661, Nov. 24.
Duplex Electric Company, Inc., assignee: *See*—
Ellithorpe, Clarence D.
Du Pont, E. I., de Nemours and Company, assign
Albisetti, Charles J., Jr.
Albisetti, Charles J., Jr., and Fisher.
Alderson, Thomas.
Alles, Francis P., and Saner.
Anderson, Frederick E.
Arnold, Herrick R., and Carnahan.
Auspos, Lawrence A., and Dempster.
Baldwin, Robert H.
Balthrop, Edward S., Jr.
Banigan, Thomas F.
Barbaras, Glen D.
Barney, Arthur L.
Barney, Arthur L., and Pinkney.
Barry, Arthur W.
Barry, Arthur W., and Chance.
Beaman, Ralph G.
Beatty, William R., and Short.
Bechtold, Max F.
Beekley, John S.
Benning, Anthony F.
Benson, Richard E.
Berry, Kenneth L.
Billica, Harry R.

Du Pont, E. I., de Nemours and Company, assignee: *See*— Continued.
Bittles, James A., Jr.
Blaker, Robert H.
Blume, Roe C.
Blume, Roe C., and Swezey.
Bostwick, Charles O.
Boyer, Mahlon R.
Boyer, Mahlon R., and Grumbine.
Bradley, Harris W., and Livingston.
Bristol, John E., and Turnbull.
Bristol, John E., Harrington, and Turnbull.
Brooks, Richard E., Chance, Crim, and Strain.
Brooks, Richard E., and Schreyer.
Brooks, Richard E., and Smook.
Brooks, Robert A.
Brubaker, Merlin M.
Brubaker, Merlin M., and MacDonald.
Bruner, Walter M.
Bruner, Walter M., and Kvalnes.
Bruner, Walter M., and Lehr.
Bryant, Harold W.
Bullitt, Orville H., Jr.
Cairns, Theodore L., and Sauer.
Calhoun, James J., and Cook.
Carnahan, James E.
Carnahan, James E., and Sampson.
Catlin, Willard E.
Cavanaugh, Robert M., Flack, and Weir.
Cole, Paul M.
Coursen, David L., and Loving.
Davis, Clyde O.
Davis, Eugene L., Jr., and Kalen.
De Tar, De Los F., and Le Pome.
Deyrup, Alden J.
Doud, Edward.
Elseman, Bernhardt J., Jr.
Ellis, Howard, and Wilson.
Engelhardt, Vaughn A.
Ernsberger, Maurice L., and Hill.
Evans, John L., and Micucci.
Ewing, Alvin L.
Farlow, Mark W., and Herrick.
Fireatine, John C.
Fogg, Robert E.
Foster, Robert E., and Schroeder.
Fuller, Mack F., and Van Fossen.
Gary, Hugh W., and Theobald.
Gibson, Joseph W., Jr.
Gilbert, Harvey N.
Goebel, Max T.
Gottlieb, Hans B.
Green, Larry Q.
Green, Ralph V., and Jensen.
Gresham, William F.
Gresham, William F., and Bell.
Gresham, William F., and Hill.
Griffith, Andrew S., Jr.
Grigsby, William E.
Haag, Ivan L.
Hager, Glenn F.
Hartig, Martval J. P.
Heller, George W.
Hermann, Edward C.
Herring, Henry H., Jr.
Hiller, Lejaren A., Jr.
Hitt, Otha A., and Kinchif.
Hofrichter, Charles H., Jr.
Howard, Edward G., Jr.
Hughes, Jesse E., Kemp, and Pyle.
Iler, Ralph K.
Iler, Ralph K., and Wolter.
Irwin, Carl F.
Jennings, Andrew B.
Johnson, Charles R., and Schmidt.
Johnson, Paul R.
Joyce, Robert M.
Killian, Donald B., and Reidinger.
Kimball, Warren T.
Kinraide, William T. R.
Kinraide, William T. R., and Eberlin.
Kirby, James E.
Kraft, Frederick G.
Kranz, William.
Kunze, Walter G., and Evans.
Kvalnes, Hamline M.
Lane, Frank W.
Laucius, Joseph F., and Speck.
Lawson, William D.
Leibu, Henry J.
Lewis, Ernest D., and Luckring.
Lewis, Hamilton.
Lewis, Thomas G.
Lichtenberg, Edward N.
Linch, Adrian L.
Little, Ernest L., Jr.
Livingston, Herbert K.
Londergan, Thomas E., and Schmitz.
Lontz, John F.
Lontz, John F., and Raasch.
MacDonald, Robert N.
MacDonald, Robert N., and Tullock.
Magat, Eugene E.
Maloney, Norvin G.

Du Pont, E. I., de Nemours and Company, assignee: *See*— Continued.
Marsh, Frank D
Martin, Elmore L.
Martone, Thomas A., Jr.
Marvel, Carl S.
McCormack, William B.
McDonald, Robert E.
McGraw, Frank C., and Pinkney.
McKinney, Robert W.
Meunier, Paul L., and Summerill.
Meunier, Paul L., and Wygand.
Mighton, Harold R.
Miller, Henry C., and Rothrock.
Millhiser, Frederick R.
Morgan, Paul W.
Morrel, Victor M.
Nadler, Martin L.
Naylor, Marcus A., Jr.
Nebel, Richard W.
O'Brien, William R., and Scantling.
Overman, Joseph D.
Paeplow, Earl W., and Kiachif.
Patten, Stanley H.
Patterson, Hugh T.
Pavlic, Albert A.
Pedersen, Charles J.
Persak, Kenneth J.
Peterson, Russell W.
Piccard, John A.
Pike, Ralph E.
Pinkney, Paul S.
Pinkney, Paul S., and Wiley.
Pollman, Ralph C.
Pollock, Frank S., Jr.
Raasch, Maynard S., and Tullock.
Railing, Wilford E.
Rarick, Morgan J.
Ray, Linton G., Jr.
Richards, John C.
Richardson, Graham M.
Rigby, George W.
Robertson, Andrew.
Rodman, Ernest A.
Rogers, Arthur O.
Rollings, Robert C.
Roseveare, William E.
Rothrock, George M.
Sanders, Paul A., and Vincent.
Sawyer, Roscoe H.
Scheiderbauer, Robert A.
Schmitt, Robert A., Swed, and Williams.
Schreyer, Ralph C.
Schroeder, Herman E.
Schweitzer, Carl E.
Searle, Norman E.
Searle, Norman E., and Todd.
Shands, Frederick L.
Shivers, Joseph C., Jr.
Smith, James S.
Speck, Stanley B.
Sprauer, Jerome W.
Stallmann, Otto, and Langerak.
Stamatoff, Gelu S.
Stilmar, Frederic B.
Strain, Daniel E.
Straw, Harry A.
Swanson, Merrill E.
Swed, James P.
Tabet, Georges E.
Todd, Charles W.
Torrence, Maynard F.
Trepagnier, Joseph H.
Ulvad, Bernhard.
Umberger, Jacob Q.
Verbanc, John J.
Vinton, William H.
Vinton, William H., and Firestine.
Walker, Kenneth E.
Walsh, Robert H., and Pockman.
Warburton, Ryland R.
Wayne, Winston J.
Weaver, Clay.
Webb, Irving D.
Webb, Irving D., and Borcherdt.
Webster, Lawrence J.
Weinmayr, Viktor.
Werntz, James H.
White, Clayton F. A., and Hill.
Whitman, Nelson.
Wilkins, John P., and Wittbecker.
Williamson, Thurmond A.
Winberg, Hillmer E.
Youngquist, Orrin G., Smook, and Brooks.

Du Pont, Francis G., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Transient force measuring device. 2,642,741, June 23.

Dupont, Louis E., Carlsbad, N. Mex., J. R. Archer, East Point, Ga., and W. F. Carter, Columbia Park, Ohio, assignors to International Minerals & Chemicals Corporation, Chicago, Ill. Purifying phosphate rock containing iron impurities. 2,629,650, Feb. 24.

Du Pont, Preston E., Kansas City, Mo. Transportation fare apparatus. 2,659,470, Nov. 17.

Dupre, Henry P., Astoria, N. Y., assignor to Burndy Engineering Company, Inc. Swivel for positive initial grips. 2,624,602, Jan. 6.

Dupre, Henry P., Croton-on-Hudson, N. Y., assignor to Burndy Engineering Company, Inc. Socket having a locking tab with a gradually sloping camming surface. 2,625,578, Jan. 13.

Dupre, Henry P., Croton-on-Hudson, N. Y., assignor to Burndy Engineering Co. Inc. Detachable connector having two-point support. 2,644,146, June 30.

Dupre, Henry P., Croton-on-Hudson, N. Y., assignor to Burndy Engineering Company, Inc. Wedge type wire connector. 2,648,883, Aug. 18.

Dupre, Henry P., Croton-on-Hudson, N. Y., assignor to Burndy Engineering Company, Inc. Power-operated tool with automatic control valve system. 2,649,076, Aug. 18.

Dupre, Henry P., Croton-on-Hudson, and I. F. Matthysse, New York, N. Y., assignors to Burndy Engineering Company, Inc. Indentable jack-type connector. 2,659,876, Nov. 17.

Dupree, William H., Jr., Pine Bluff, Ark. Signal lamp unit for automobiles. 2,650,028, Sept. 1.

Dupuy, Guillaume M., Shanghai, China. Valved pipe fitting. 2,641,485, June 9.

Dupy, Olin L., assignor of ten per cent to W. E. Beatty, Los Angeles, Calif. Wattmetric regulator for prime mover dynamo plants. 2,632,856, Mar. 24.

Dupy, Olin L., Los Angeles, Calif. Direct current motor control. 2,635,218, Apr. 14.

Dupy, Olin L., Los Angeles, Calif. Direct current motor control. 2,635,220, Apr. 14.

Durabla Manufacturing Co., assignee: *See*— Blackford, Raymond H.

Durable Mat Company, assignee: *See*— Schuyler, Fred B.

Dura Bond Bearing Co., assignee: *See*— Fowle, John M., and Muchmore.

Durakool, Inc., assignee: *See*— Weimer, Glen L.

Durand, Donat J., Bluefield, W. Va. Combination mother's pull and brake arrangement for tricycles. 2,645,505, July 14.

Durand & Huguenin A. G., assignee: *See*— Glenz, Karl.

Du Rant, John W., Kingstree, S. C. Storage and vaporizing apparatus for liquefied petroleum gas mixtures. 2,651,921, Sept. 15.

Durant, Leslie B., and W. E. Padel, assignors to Alexander Shipyard, Inc., New Orleans, La. Barge for offshore well drilling. 2,639,588, May 26.

Durant, Lyndon A., assignee: *See*— Summers, William J.

Durant, Lyndon A., assignor to Royal Patent Corporation, Chicago, Ill. Shuffleboard type game apparatus. 2,645,492, July 14.

Durant, Lyndon A., assignor to General Patent Corporation, Chicago, Ill. Pocketed ball game apparatus. 2,660,434, Nov. 24.

Durant, Lyndon A., assignor to General Patent Corporation, Chicago, Ill. Ball delivery device for ball game apparatus. 2,660,435, Nov. 24.

Durant, Lyndon A., assignor to General Patent Corporation, Chicago, Ill. Projecting device for pin ball amusement apparatus. 2,663,568, Dec. 22.

Durant, Lyndon A., and M. P. Wolverton, assignors to General Patent Corporation, Chicago, Ill. Bowling pin elevating and resetting mechanism. 2,652,557, Sept. 15.

Durant, Wilbur G., Pasadena, assignor, by mesne assignments, to Transicold Corporation, Los Angeles, Calif. Refrigeration and air conditioning equipment. 2,660,865, Dec. 1.

Durcholz, Arlene, administratrix: *See*— Brown, Gerald O., and Durcholz.

Durcholz, Henry E.: *See*— Brown, Gerald O., and Durcholz.

Durdin, Augustus C., III, Rockford, Ill., assignor to Graver Tank & Mfg. Co., Inc. Liquid treatment tank with a solids impeller means having a normally submerged drivewheel. Re. 23,714, Sept. 29.

Duren, Robert B., Oakland Park, Fla. Therapeutic heater. 2,627,018, Jan. 27.

Durette, William L.: *See*— Davis, Howard G., Jr., Durette, and Johnson.

Durex Products, Incorporated, assignee: *See*— Young, Thomas.

Durez Plastics & Chemicals, Inc., assignee: *See*— Less, Frank W., Roeck, and Searer.

Durfee, Benjamin M.: *See*— Lake, Clair D., Wilson, Platt and Durfee. Wilson, Lawrence A., and Durfee.

Durham, Arthur S., Pico, Calif. Means including a winding shaft and a roller for mounting and collapsing tubular containers. 2,639,059, May 19.

Durham Edwin, Westfield, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Moisture condensation determining apparatus. 2,636,927, Apr. 28.

Durham, Edwin, Westfield, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Apparatus for separating moisture from a vapor. 2,649,928, Aug. 25

Durham, Hobart N., Munsey Park, N. Y. Testing and training apparatus. 2,659,164, Nov. 17.

Durham, James B., Fort Payne, Ala. Brake anchor tool. 2,655,720, Oct. 20.

During, William J., Jr.: *See*— During, William J., Sr., and W. J. During.

During, William J., Sr., and W. J. During, Jr., ville, N. Y. Pressure cooker closure. 2,636, 28.

Durkee, James D., Fairlington, Va., assignor t Corporation. Printing telegraph system. Nov. 10.

Durkee, James D., Fairlington, Va., assignor t Corporation. Printing telegraph system. Nov. 10.

Durkee, James D., Fairlington, Va., assignor t Corporation. Printing telegraph system. Nov. 10.

Durkee, John W., North Wilmington, Mass. stretching apparatus. 2,653,410, Sept. 29.

Durkin, Patrick, Chicago, Ill. Ground brake. Sept. 1.

Durkin, William J., Swarthmore, and D. N. Prospect Park, assignors to Westinghouse Ele poration, East Pittsburgh, Pa. Gas turbine a 2,643,085, June 23.

Duro Co., The, assignee: *See*— Rogers, Walstine C.

Duro Metal Products Co., assignee: *See*— Hess, Theophil A.

Du Rocher, Gideon A., Grosse Pointe Farms, as Essex Wire Corporation, Detroit, Mich. D signal system for vehicles. 2,659,838, Nov.

Du Rose, Arthur H., Euclid, assignor to The Chemical Company, Cleveland, Ohio. Brig plating. 2,635,076, Apr. 14.

Du Rose, Arthur H., Euclid, and J. D. Little, Ba assignors to The Harshaw Chemical Compar land, Ohio. Laminated coating. 2,658,266, N

Du Rostu, Georges L., assignor to Societe Anony Citroen, Paris, France. Cooling and lubric rangement for valve guides and stems of th gines. 2,658,491, Nov. 10.

Duro-Test Corporation, assignee: *See*— Williams, Rollo G.

Dürr, Walter, L. Huber and F. Haag, Uberlingen, to Heizmotoren-Gesellschaft, Uberlingen am Germany. Burner device having heat exchang flow control means for maintaining pyrophori therein. 2,644,512, July 7.

Durrschmidt, Paul, Munich, Germany. Tufting 2,649,064, Aug. 18.

Durston, David S., assignor of one-half to Samuel & Sons Limited, London, England. Electr clutch and brake device. 2,646,145, July 21.

Duschinsky, Robert, Essex Fells, assignor to La Roche Inc., Nutley, N. J. α-(2-thienyl) be and producing the same. 2,640,835, June 2.

Duschinsky, Robert, Essex Fells, assignor mann-La Roche Inc., Nutley, N. J. α,α-diphenylacetic acid derivatives and prepa 2,642,433, June 16.

Duschinsky, Robert, Essex Fells, assignor to La Roche Inc., Nutley, N. J. Pyridindoles a facture. 2,642,438, June 16.

Duschinsky, Robert, Essex Fells, assignor to La Roche Inc., Nutley, N. J. Substituted acid esters. 2,658,067, Nov. 3.

Dusenberry, John W.: *See*— Martiniak, Leonard J., and Dusenberry.

Dusin, James, and L. J. Negrilla, Chicago, as Jewel Tea Co., Inc., Barrington, Ill. Conta assembly for bagging machines. 2,630,085, M

Duskey, Edmund L., Western Springs, assigno Products Company, Chicago, Ill. Dough rolli 2,633,815, Apr. 7.

Duskin, Morris L., Chicago, Ill. Clothing bag. May 5.

Duskin, Morris L., Chicago, Ill. Stud asse luggage. 2,654,453, Oct. 6.

Duskin, Morris L., Chicago, Ill. Luggage 2,655,747, Oct. 20.

Dusseault, John L., Chelmsford, assignor to P tection Corporation, Lowell, Mass. Filler fo 2,651,448, Sept. 8.

Dussich, Manlio, V. V., Verona, N. J. Cigaret device. 2,653,613, Sept. 29.

Dustex Corporation, assignee: *See*— Bowers, Frank, and Brookman.

Dustman, William S.: *See*— Riley, Joseph J., and Dustman.

Dutcher, Harold W., assignor of twenty-five to H. R. Morgan, San Antonio, Tex. Powe shears. 2,652,626, Sept. 22.

Dutcher, Harris A., Bartlesville, Okla., and C man, Etter, Tex., assignors to Phillips Petro pany. Process and apparatus for convertin materials. 2,631,967, Mar. 17.

Dutra, Frank A., Wyckoff, N. J., assignor to We tric Company, Incorporated, New York, N. Y ing terminal. 2,626,973, Jan. 27.

Dutro, Lyle V.: *See*— Dutro, Orville V. and L. V., and Nameth.

Dutro, Lyle V., La Canada, and J. F. Nameth, L Calif., assignors to The McBee Company, At Shear assembly. 2,659,436, Nov. 17.

Dutro, Orville V., La Canada, and J. F. Nameth, Los Angeles, Calif., assignors to The McBee Company, Athens, Ohio. Punch press for notching. 2,647,579, Aug. 4.

Dutro, Orville V. and L. V., La Canada, and J. F. Nameth, Los Angeles, Calif., assignors to The McBee Company, Athens, Ohio. Printing, punching, and cutting machine. 2,655,098, Oct. 13.

Dutschke, Kurt, Zirndorf, near Nürnberg, Germany. Test device. 2,645,753, July 14.

Dutterer, Rex J. L.: *See*—
Phillips, Harold P., and Dutterer.

Dutterer, Rex J. L., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug and manufacture therefor. 2,634,716, Apr. 14.

Dutton, Herbert J.: *See*—
Schwab, Arthur W., and Dutton.

Dutton, Oscar B., Redondo Beach, Calif., assignor to Radio Corporation of America. Frequency discriminator. 2,654,841, Oct. 6.

Duus, Ray, Beverly Hills, Calif. Liquid meter. 2,644,333, July 7.

Duval, Montague H., Westport, Conn. Method and apparatus for conditioning baked products. 2,638,685, May 19.

Duval, Philippe C., Paris, France. Combined illuminator and reflector. 2,652,480, Sept. 15.

Duval, Raymond, Versailles, France, assignor to General Electric Company. Blocking-layer rectifier. 2,656,494, Oct. 20.

Duvall, Harvey H.: *See*—
Jones, Glenn M., and Duvall.

Duvall, James B., St. Louis, Mo. Fishing reel. 2,629,197, Feb. 24.

Duvall, Thure C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Manufacture of air-laid felts. 2,624,079, Jan. 6.

Duvall, Thure C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Dispersing and felting fibers and mill. 2,646,381, July 21.

Duwe, Albert J.: *See*—
Wagner, Robert S., Himes, and Duwe.

Duxbury, John H., Middleton Junction, Manchester, England. Belt pulley. 2,631,461, Mar. 17.

Duyck, Georges, Tangier, Morocco. Manufacturing electromagnets. 2,648,124, Aug. 11.

Duyvené de Wit, Erik, Amsterdam, Netherlands. Apparatus for making coffee and like infusions. 2,638,840, May 19.

Dvonch, William, and C. L. Mehltretter, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Electrolytic preparation of periodate oxypolysaccharides. 2,648,629, Aug. 11.

Dvorak, Lewis H., Jacksonville, Fla. Dental matrix instrument. 2,647,315, Aug. 4.

Dvorkovitz, Vladimir, Chicago, and J. R. Swihart, Chicago Heights, Ill., assignors to The Diversey Corporation. Etching aluminum and aluminum base alloys. 2,650,875, Sept. 1.

Dvornikoff, Michael N., St. Louis, and E. J. Young, Valley Park, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of O,O-dialkyl O-para nitrophenyl thiophosphate esters. 2,663,721, Dec. 22.

Dvorsky, Alexander L.: *See*—
Palo, Maurice, and Dvorsky.

Dvorsky, Frank, New York, N. Y. Telescopically adjustable lamp standard. 2,636,112, Apr. 21.

Dwinell, Dwight J.: *See*—
Gartner, Stanley J., Swasey, and Dwinell.

Dwyer, F. W., Mfg. Co., assignee: *See*—
Dwyer, James G.

Dwyer, James G., Deerfield, Ill., assignor to F. W. Dwyer Mfg. Co. Manometer. 2,662,409, Dec. 15.

Dwyer, James J.: *See*—
Speed, William C., and Dwyer.

Dyal, Jesse D., assignee: *See*—
Clair, Louis C.

Dyche, Howard E., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stall warning apparatus for airplanes. 2,635,152, Apr. 14.

Dyche, Howard E., Jr., Pittsburgh, Pa., and G. P. Cardwell, Detroit, Mich., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stall warning apparatus for airplanes. 2,638,579, May 12.

Dyck, David, Hudson Bay, Saskatchewan, Canada. Valve removing tool. 2,632,238, Mar. 24.

Dye, Clara E., Shreveport, La. Wall fountain syringe. 2,642,869, June 23.

Dye, Glen M.: *See*—
Sardeson, Robert, and Dye.

Dye, William H., Tulsa, Okla. Oil well pumping equipment. 2,634,682, Apr. 14.

Dyer, Alvin C., Shaker Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Resistance unit and element thereof. 2,647,978, Aug. 4.

Dyer, Charles D., Chicopee, Mass. Booster for air brake systems. 2,648,489, Aug. 11.

Dyer, Charles W., assignee: *See*—
Johnson, Donald U.

Dyer, Clarence A., Glenside, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Primary electrolytic cell or group of cells. 2,647,155, July 28.

Dyer, Dora F., Astoria, and H. A. Coe, Port Washington, N. Y. Mitt for detachable cleaning pads. 2,651,071, Sept. 8.

Dyer, Edwin F.: *See*—
Smolak, George and Dyer.

Dyer, George W., Bakersfield, Calif. Wrench. 2,653,500, Sept. 29.

Dyer, Harry B.: *See*—
Hall, Arthur L., and Dyer.

Dyer, John, Tucson, Ariz. Refrigerator condensing unit cooler. 2,655,795, Oct. 20.

Dyer, John R., Jr.: *See*—
Murray, William S., and Dyer.

Dyer, John W.: *See*—
Short, Brooks H., and Dyer.

Dyer, John W., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Temperature responsive motor speed control. 2,630,556, Mar. 3.

Dyer, John W., Pendleton, and R. A. Wilkins, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition timer. 2,640,116, May 26.

Dyer, Lloyd W., and W. F. Born, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus duct for electrical distribution systems. 2,653,991, Sept. 29.

Dyer, Lyman L., Dallas, Tex. Container. 2,653,038, Sept. 22.

Dyer, Richard F., Kingsport, Tenn. assignor to Eastman Kodak Company, Rochester, N. Y. Fluid-operated rapid traverse mechanism for winding strand material. 2,646,228, July 21.

Dyke, Edwin, Brookfield, and R. Y. Hoffman, Jr., Northbrook, assignors to Motorola, Inc., Chicago, Ill. Apparatus for selectively interconnecting wave guides. 2,629,048, Feb. 17.

Dyken, Charles P., Saukville, Wis. Wrapping machine. 2,641,414, June 9.

Dykman, Milton: *See*—
Boutros, Richard D., Donohoe, and Dykman.

Dykstra, Kenneth G., Albion, N. Y., and D. De Felice, Morristown, N. J. Obtaining volatile flavors. 2,641,550, June 9.

Dyment Company, The, assignee: *See*—
Hessdoerfer, Carl.

Dynamatic Corporation, assignee: *See*—
Jaeschke, Ralph L.

Dyne, James H., Packanack Lake, and C. M. Baker, assignors to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Cathode-ray tube coating apparatus. 2,660,978, Dec. 1.

Dynoflow Solder Corporation, assignee: *See*—
Philippi, George J.

Dyrkacz, Wasil W.: *See*—
Mohling, Gunther, and Dyrkacz.

Dysarz, Charles E., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Wheel carrier. 2,640,636, June 2.

Dyson, James, Aldermaston, England, assignor to Associated Electrical Industries Limited. Optical system for increasing the working distances of microscope objectives. 2,661,658, Dec. 8.

Dzaack, Walter J., Glenshaw, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating device. 2,624,829, Jan. 6.

Dziengiel, John S., Jr., Whiting, Ind. Angular and cross cutting power saw. 2,655,955, Oct. 20.

E. A. Laboratories, Inc., assignee: *See*—
Aufiero, John M.
Nielsen, Richard C., and Nielsen.

E. C. H. Will Linlermaschinenfabrik, assignee: *See*—
Meffert, Emil K. E.

EGA Electric Limited, assignee: *See*—
Kilminster, George.

EL-CU-S. P. AZ. Elettro Cucitrice Industriale Portatile: *See*—
Cerioni, Giuseppe R.

E. R. A. Patents Limited, assignee: *See*—
Busemann, Felix.
Needham, James C., and Orton.

"EST"-Etablissement Sciences Techniques, assignee: *See*—
Bonmartini, Giovanni.

ETA AG., Ebauches-Fabrik, assignee: *See*—
Stamm, Heinrich.

EVG Entwicklungs- und Verwertungsgesellschaft m. b. H., assignee: *See*—
Eisenburger, Kuno.

E-Z Mills, Inc., assignee: *See*—
Hatay, Charles G.

E Z Paintr Corporation, assignee: *See*—
Nash, Paul F.

Eaby, Le Roy, assignor to Armstrong Cork Company, Lancaster, Pa. Making mottled plastic sheet material. 2,625,712, Jan. 20.

Eachus, Iredell, Jr., Cynwyd, assignor to Macbeth Arc Lamp Co., Philadephia, Pa. Electrical control system. 2,637,831, May 5.

Eacrett, Clifford B., Sherman Oaks, Calif. Coffee balance. 2,636,724, Apr. 28.

Eade, Carleton W., Milldale, Conn., and W. W. Schug, Hudson, N. Y., said Eade assignor, by mesne assignments, to The Dalemill Company, Waterbury, and said Schug assignor, by mesne assignments, to Emhart Manufacturing Company, Hartford, Conn. Blank forming apparatus. 2,657,403, Nov. 3.

Eadie, Edward M., Jr., Westfield, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 2,658,179, Nov. 3.

Eager, Herbert H., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Means for engaging and disengaging rotary cutters. 2,629,441, Feb. 24.

Eagle, John H., Rochester, assignor to Eastman Kodak Company, Rochester, N. Y. Mirror mount. 2,625,359, Jan. 13.

Eagle Lock Company, The, assignee: *See*—
Zavoico, Stephen V.

Eagle Manufacturing Company, assignee: *See*—
Baehr, Herman W.

Eagle Rule Mfg. Corp., assignee: *See*—
Gasstrom, Herman M., and J. E.

Eagle, Pennie S., Detroit, Mich. Liquid applicator. 2,647,273, Aug. 4.

Eagle-Picher Company, The, assignee: *See*—
Chubb, Melvin F.
Holmes, Odis L.
Milone, Louis J.

Eagle, Sam, Richmond, and J. W. Scott, Jr., Berkeley, assignors to California Research Corporation, San Francisco, Calif. Regeneration of solid adsorbents. 2,628,933, Feb. 17.

Eagle Signal Corporation, assignee: *See*—
Pearson, Frank A.

Eaglesfield, Charles C., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric pulse code modulation system of communication. 2,640,965, June 2.

Eagleson, Freeman T., Jr., Columbus, Ohio. Repeating type elastic band projector. 2,625,147, Jan. 13.

Eaker, Charles M.: *See*—
Drake, Nathan L., Shenk, and Eaker.

Eakin, Lourie L., Ventura, Calif. Vehicle-mounted hoisting apparatus. 2,639,825, May 26.

Eakin, Lourie L., Ventura, Calif. Vehicle loading and unloading apparatus. 2,662,654, Dec. 15.

Eakin, Robert T., Ferndale, Mich., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rock drill bit. 2,634,954, Apr. 14.

Eakins, William V., Buffalo, N. Y. Electrical terminal detecting signal. 2,646,018, July 21.

Eames, Charles, West Los Angeles, Calif., assignor, by mesne assignments, to Herman Miller Furniture Company, Zeeland, Mich. Furniture shock mount construction. 2,649,136, Aug. 18.

Eames, James O.: *See*—
Sanford, Roy S., and Eames.

Eames, Walter R., Jr., Hazel Park, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Hydraulic power system. 2,658,341, Nov. 10.

Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical elevator system having selective control of response to calls. 2,624,425, Jan. 6.

Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selectively zoned elevator system. 2,642,158, June 16.

Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving stairway handrail control. 2,646,868, July 28.

Eames, William F., Westfield, and W. H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic amplifier circuits for applying reversible direct-current voltage to inductive loads. 2,629,847, Feb. 24.

Earing, Mason H.: *See*—
Ash, Arthur B., and Earing.

Earl, Allan G.: *See*—
Reid, John, and Earl.

Earl, Charles W., and W. H. Middleton, Seminole, Tex. Paraffin cleaner. 2,655,996, Oct. 20.

Earl, Howard D., Buffalo, and M. J. Pifer, Williamsville, assignors, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Radio-frequency transformer. 2,630,560, Mar. 3.

Earle, Clarence E., Washington, D. C., and C. A. Covington, Alexandria, Va. Automatic electrical and mechanical coupling. 2,631,185, Mar. 10.

Earle, Clarence E., Washington, D. C., and C. A. Covington, Alexandria, Va. Fluid valve. 2,644,480, July 7.

Earle, Edwin L., and R. P. Arthur, Chicago, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company. Crossbar system switchboard construction. 2,627,554, Feb. 3.

Earle, Guyon L. C., Forest Hills, N. Y. Combination space and water heater and incinerator unit. 2,638,891, May 19.

Earle Hardware Manufacturing Company, assignee: *See*—
Heizmann, Charles L.

Earle, Hilton H., Jr.: *See*—
Planfetti, John A., Melvin, and Earle.

Earle, Norman E., Groveland, and E. E. Leidich, Merrimac, Mass., assignors to Western Electric Company, Incorporated, New York, N. Y. Contact fixture. 2,663,844, Dec. 22.

Earle, Ralph H., Wauwatosa, J. F. Kuzela, Milwaukee, and W. O. Schultz, Marshfield, assignors to McGraw Electric Company, Milwaukee, Wis. Electrical switch 2,626,332, Jan. 20.

Earle, Wilton R., Burtonsville, Md., and K. H. Washington, D. C., assignors to the United America as represented by the Administra Federal Security Agency. Single tissue cel procedure. 2,658,021, Nov. 3.

Early, Thomas A., Jr.: *See*—
Barkalow, Clare E., and Early.

Earnest, William K., Portland, Oreg., and E. Tacoma, Wash., assignors to The Pennsyl Manufacturing Company, Philadelphia, Pa. production of chlorates. 2,628,935, Feb. 17.

Earnshaw, Spencer A., Los Angeles, Calif. M applying material to walls. 2,639,942, May

Earnshaw, Spencer A., Los Angeles, Calif. M applying material to walls. 2,639,943, May

Earp, Charles W., London, England, assignor national Standard Electric Corporation, N. Y. Radio direction finder. 2,651,774, S

Earp, Charles W., and R. F. Cleaver, London assignors to International Standard Electri tion, New York, N. Y. Combined radio di distance finding system. 2,640,191, May 26

Easley, John A., and H. E. Swayze, assignors t Chemical Company, Midland, Mich. Etching. June 2.

Easley, John A., and H. E. Swayze, assignors t Chemical Company, Midland, Mich. Etching. June 2.

Easley, John A., and H. E. Swayze, assignors t Chemical Company, Midland, Mich. Etching. June 2.

Easley, John A., and H. E. Swayze, assignors t Chemical Company, Midland, Mich. Etching. June 2.

Easley, John A., and H. E. Swayze, assignors t Chemical Company, Midland, Mich. Etching. June 2.

Easlick, Lloyd H., Flourtown, assignor to P pender Company, Philadelphia, Pa. Expa 2,629,104, Feb. 24.

Easter, Edward R.: *See*—
Helms, Leroy J., Easter, and Reinig.

Easter, John W., Acton, London, assignor to C pany Limited, London, England. End con tubular lamps. 2,642,521, June 16.

Easterday, Horace H., Thermal, Calif. Rubber 2,646,606, July 28.

Easterday, Russell S., Cleveland Heights, assig F. C. Thornton Company, Cleveland, Ohio. S for containers. 2,625,295, Jan. 13.

Easterlin, Philip R., Valley Stream, assign Western Union Telegraph Company, New Telegraph repeater switching system. Mar. 3.

Eastern Industries, Incorporated, assignee: *See* Barker, John L.

Eastern Laboratories, Inc., assignee: *See*— Bucknell, William H., and Miessner.

Eastern Malleable Iron Company, assignee: Pelcin, Albert L.
Spann, Lawrence R., and Tarbos.

Eastern Metals Research Co. Inc., assignee: Cook, William J.

Eastern Research Laboratories, Inc., assignee: Gregory, John J.

Eastern Stainless Steel Corporation, assignee: Clingan, Irvine C.

Eastern Steel Products Limited, assignee: *See* Whittey, George J.

Eastern Tool & Die, Inc., assignee: *See*— Amand, Raymond H., and Buchwalder.

Eastern Tool & Mfg. Co., assignee: *See*— Anderson, Carl E.

Eastern Venetian Blind Company, The, assigne Rosenbaum, Harry S.

Eastland, Cyril J., E. P. Taylor, and H. O. Bethnal Green, London, assignors to Allen Limited, London, England. Heterocyclic pol bis-quaternary ammonium salts and prepa 2,662,083, Dec. 8.

Eastman, Byron L., Nevada City, Calif. Valve. Mar. 31.

Eastman, Don L., Watertown, assignor to Th dum Company, Niagara Falls, N. Y. Scou ment. 2,650,158, Aug. 25.

Eastman, Du Bois, Whittier, Calif., assignor t Company, New York, N. Y. Separation o oxide from gaseous mixtures. 2,632,316, M

Eastman, Du Bois, Scarsdale, and L. P. Gau Vernon, assignors to The Texas Company, N. Y. Catalytic synthesis of hydrocarbons. Mar. 17.

Eastman, Fred C., Marblehead, Mass., assigno Shoe Machinery Corporation, Flemington, N for disposing of ejected cartridge cases. July 28.

Eastman, Fred C., Marblehead, Mass., assigno Shoe Machinery Corporation, Flemington, sewing machine. 2,647,478, Aug. 4.

Eastman, Fred C., Marblehead, Mass., assigno Shoe Machinery Corporation, Flemington, sewing machine needle. 2,656,804, Oct. 27

Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,662,492, Dec. 15.

Eastman, Fred L., assignor to Compco Corporation, Chicago, Ill. Film-retaining device for reels. 2,653,775, Sept. 29.

Eastman, Harlan J., and J. G. Jackson, assignors to Eastman Oil Well Survey Company, Denver, Colo. Well caliper. 2,645,027, July 14.

Eastman, James M., assignor to Bendix Aviation Corporation, South Bend, Ind. Control for internal-combustion engines. 2,651,297, Sept. 8.

Eastman Kodak Company, assignee: *See*—
Allen, Charles F. H., and Burness.
Allen, Charles F. H., and Laakso.
Ames, Stanley R.
Altman, Fred E.
Aubert, Per, Jeffreys, and Knott.
Aubert, Per, and Knott.
Baxter, Ernest L.
Bell, Alan.
Bell, Alan, and De Croes.
Bell, Alan, and Knowles.
Bell, Alan, and Shields.
Bell, Alan, and Thompson.
Bennett, Harold F., Young, and Hoag.
Brannock, Kent C.
Brooker, Leslie G. S., and Heseltine.
Brooker, Leslie G. S., and White.
Caldwell, John R.
Carroll, Burt H.
Christiansen, William S., and Rissberger.
Clark, George R., and Miller.
Condax, Louis M.
Coney, Charles H.
Coover, Harry W., and Dickey.
Coover, Harry W., Jr.
Coover, Harry W., Jr., and Dickey.
Coover, Harry W., Jr., Dickey, and Shearer.
Damschroder, Rudolph E.
Damschroder, Rudolph E., and Yutzy.
Davis, Harry I.
Davy, Lee G.
Dayton, Benjamin B.
Dickey, Joseph B.
Dickey, Joseph B., and Coover.
Dickey, Joseph B., and Stanin.
Dickey, Joseph B., Stanin, and Coover.
Dickey, Joseph B., and Taylor.
Dickey, Joseph B., and Towne.
Dyer, Richard F.
Eagle, John H.
Egan, John F.
Egan, John F., and Jones.
Estes, Cameron B.
Fairbanks, Henry N.
Fay, Howard G.
Fitch, Harold L.
Fowler, William F., Jr., and Spear.
Fox, Arthur B.
Fuerst, Carl C.
Fuller, Richard N.
Gerhardt, James S.
Gearhart, William M., and Pugh.
Graham, Bruce, Vittum, and Weissberger.
Gray, Glen G.
Hagemeyer, Hugh J., Jr.
Hagemeyer, Hugh J., Jr., and Anderson.
Hasche, Rudolph L.
Heseltine, Donald W.
Haseltine, Donald W., and Brooker.
Henn, Richard W.
Henn, Richard W., and Piper.
Hiatt, Gordon D., and Williams.
Hill, George D., and Damschroder.
Hill, Hubert M.
Hodges, Howard T.
Hull, David C., and Hagemeyer.
Hull, David C., and Saunders.
Hunt, Clayton E., Jr.
Hutchison, Miller R., Jr.
Jeffreys, Roy A., and Knott.
Johnson, Merriam E.
Jones, Jean E.
Jungjohann, Vernon H.
Kenyon, William O., Waugh, and Taylor.
Kesel, Robert E., and Robinson.
Keyes, Grafton H., and Brooker.
Knott, Edward B., and Brooks.
Knott, Edward B., and Williams.
Kuhrt, Noel H.
Léauté, Jean, and Vandamme.
Leavitt, Roger P., and White.
Lowe, Wesley G., and Hamshire.
Lowe, Wesley G., Minsk, and Kenyon.
Malm, Carl J., and Blanchard.
McCrossen, Fred C., Parmerter, and Weissberger.
Mench, John W., and Lounsbery.
Merritt, Ernest R.
Mihalyi, Joseph.
Mihalyi, Joseph, and Bing.
Minsk, Louis M., and Chechak.
Morey, Donald R., and White.
Morrison, Charles A., and Brown.

Eastman Kodak Company, assignee: *See*—Continued.
Murray, Alexander.
Murray, Luther T.
Nadeau, Gale F., and Starck.
Nadeau, Gale F., and White.
Nagel, Gerhard R.
Neighbors, Roscoe F.
Nosco, Louis C.
O'Dell, James R.
Parks, William A.
Parsons, William F., and Little.
Parsons, William F., and Poling.
Pouradier, Jacques J. L., and Dubois.
Rasch, Arthur A., Henn, and Crabtree.
Reynolds, Delbert D., and Kenyon.
Richardson, Winfield S.
Richter, George A., and MacClaren.
Richtmyer, Morse A.
Robeson, Charles D.
Rosenburgh, Norman J.
Russell, Harold D., and Halst.
Salminen, Ilmari E., and Allen.
Salo, Martin, and Vivian.
Sawdey, George W.
Schade, Willy E.
Scharf, Philip T., and Keenan.
Schnetzer, George W., Jr.
Schubert, Alvin E.
Schulken, Roger M., Jr., and Boy.
Smith, Robert C.
Spence, John, and Carroll.
Sprague, Robert H., Brooker, and Dent.
Stanin, Theodore E., Coover, and Dickey.
Stanin, Theodore E., and Dickey.
Stanin, Theodore E., Dickey, and Goover.
Steuber, Albert H.
Straley, James M.
Straley, James M., and Dickey.
Straley, James M., and Harris.
Tamblyn, John W., and Schulken.
Tarkington, Ralfe G., and Lowe.
Thompson, Russell G.
Tuttle, Clifton M., and Klauss.
Tuttle, Clifton M., and O'Neil.
Tuttle, Fordyce E.
Tuttle, Fordyce E., and Bornemann.
Tuttle, Fordyce E., and Newcomb.
Ulmschneider, Lawrence A.
Urbach, Franz.
Waugh, George P., and Kenyon.
Weisler, Leonard.
Weissberger, Arnold.
Weissberger, Arnold, and Thirtle.
Weissberger, Arnold, Thirtle, and Bent.
Wengel, Raymond W.
White, William M., and Leavitt.
Wight, Wayne K.
Wiitala, Edwin S., and Rogers.
Wittel, Otto.
Young, D'Arcy A., Jr., and Fox.

Eastman, Lewis A., Wyandotte, Mich. Fire escape device. 2,656,967, Oct. 27.

Eastman Oil Well Survey Company, assignee: *See*—
Brady, Edward F.
Collins, Charles P., and Brokaw.
Eastman, Harlan J., and Jackson.
Goble, Ralph W.
Jackson, John G.
MacLagan, Allan R.

Easton, Edgar D., assignee: *See*—
Oppenlander, Furlys F., and Boles.

Easton, Rufus, Schenectady, and T. Y. Wilson, Albany, N. Y., assignors to Continuous Metalcast Co., Inc., Wilmington, Del. Pouring box for continuous casting machines. 2,659,121, Nov. 17.

East Rutherford Syringes, Inc., assignee: *See*—
Kolodny, Samuel, Micel, and Krueger.

Eastwood, La Verne W.: *See*—
Davis, James A., and Eastwood.

Eastwood, Sylvander C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Gas manufacture. 2,662,006, Dec. 8.

Easy Power, Incorporated, assignee: *See*—
Wagner, Arthur W.

Easy Washing Machine Corporation, assignee: *See*—
Chapin, Bryan W.
Douglas, Peyton W.
France, Martin L., and Landwier.
Glassey, Philip P.
Heagerty, Donald D.
Keiper, Francis P.
Landwier, William G.
Ostberg, Erik.
Rauscher, Elbridge F.
Rogers, John P.
Scheele, Charles C.
Simpson, Harold N.
Walker, Willard R.
Williams, Earl C.

Eaton, Arthur C., Mount Pleasant, Mich. Air cooled air compressor. 2,663,492, Dec. 22.

Eaton, Charles A., Atlantic City, N. J. Arrangement for flexible stuffing boxes. 2,624,599, Jan. 6.

Eaton, George, assignor to The Desmond-Stephan Mfg. Co., Urbana, Ohio. Grinding wheel dresser. 2,638,887, May 19.

Eaton, Gerald L., Lansdowne, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Coke-oven by-product recovery. 2,649,403, Aug. 18.

Eaton, Gerald L., Lansdowne, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Coke-oven by-product recovery. 2,649,405, Aug. 18.

Eaton, James E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Dielectric antenna. 2,648,002, Aug. 4.

Eaton, John S.: *See*—
Woolslayer, Homer J., Iddings, and Eaton.

Eaton Laboratories, Inc., assignee: *See*—
Gever, Gabriel.
Gever, Gabriel, and O'Kaefe.
Hayes, Kenyon J.
Ward, William C.
Ward, William C., and Gever.

Eaton, Lewis B., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Web feeding means for container forming apparatus. 2,636,730, Apr. 28.

Eaton, Lewis B., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container forming apparatus. 2,655,979, Oct. 20.

Eaton Manufacturing Company, assignee: *See*—
Eames, Walter R., Jr.
Findley, Howard J.
Hedlund, Oscar.
Horan, Ralph P.
Oldberg, Sidney.
Russell, Robert C.
Schneider, Andrew.
Schultz, Arthur D., and Schwendler.
Sieggreen, Richard L.
Simons, Homer C.
Turkish, Michael C.
Winther, Anthony.
Winther, Anthony and M. P.
Winther, Martin P.
Winther, Martin P., A. Winther, and Gill.

Eaton, Warren S., Los Angeles, Calif. Frequency selector. 2,632,521, Mar. 24.

Eaton, William, Glen Head, N. Y. Making fabric covered buckles. 2,624,089, Jan. 6.

Eaton, William W., Milford, Conn., and H. T. Olson, Baldwin, assignors to Remington Rand Inc., New York, N. Y. Document feed means for flow film photographic apparatus. 2,632,360, Mar. 24.

Eaves, Ausie C., Brawley, Calif., assignor to Ralston Purina Company, St. Louis, Mo. Feed preservation. 2,659,161, Nov. 17.

Eaves, Hubert H.: *See*—
Sorg, Harold E., Eaves, and Drieschman.

Eaves, William C., Elyria, Ohio. Heating device for window cleaners. 2,627,011, Jan. 27.

Ebaloy, Incorporated, assignee: *See*—
Wilcox, Raymond J., and Vihtelic.

Ebauches S. A., assignee: *See*—
Ducommun, Georges.
Haidégger, Hans.

Ebbs, William, and J. L. Harden, Plainview, Tex. Siphon retainer. 2,652,849, Sept. 22.

Ebco Manufacturing Company, assignee: *See*—
Benua, Louis P., Coulter, and Orthoefer.

Ebel, Francis L., Stanmore, and A. J. Maisey, Southall, assignors to The Fairey Aviation Company Limited, Hayes, England. Visible indicator. 2,644,939, July 7.

Ebel, Friedrich, Mannheim-Feudenheim, assignor to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen am (Rhine), Rheinland-Pfalz, Bundesrepublik, Germany. 4-hydroxy-7,8-phthaloyl-cinnolines and preparing same. 2,663,708, Dec. 22.

Ebel, Robert H., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Purification of mercaptothiazoles. 2,658,864, Nov. 10.

Eberhard, Everett, Haddonfield, N. J., assignor to Radio Corporation of America. Pulse width discriminator. 2,648,766, Aug. 11.

Eberhardt, Arthur, assignor to Collins Radio Company, Cedar Rapids, Iowa. Variable intermediate frequency transformer. 2,648,825, Aug. 11.

Eberhardt, Daniel A., St. Louis, Mo. Adjustable clothes hanger. 2,643,802, June 30.

Eberhart, Dale R., Middlesex, and N. K. Barabutes, New Brunswick, N. J., assignors to American Cyanamid Company, New York, N. Y. Diaminofluorene derivatives. 2,662,913, Dec. 15.

Eberl, James J.: *See*—
Caldwell, Carlyle G., White, George, and Eberl.

Eberl, James J., Chester, and A. R. Ingram, Glenshaw, Pa., assignors to Johnson & Johnson. Adhesive for plaster of Paris for bandage use. 2,655,148, Oct. 13.

Eberle, George A., and E. S. Zuchowski, Inglewood, and F. V. Maltble, Whittier, Calif., assignors to North American Aviation, Inc. Profiling machine. 2,624,242, Jan. 6.

Eberle, Jack F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst and preparing same. 2,656,322, Oct. 20.

Eberle, Julian J., Wauwatosa, assignor to T Company, Milwaukee, Wis. Loading 2,627,960, Feb. 10.

Eberle, Julian J., Wauwatosa, assignor to T Company, Milwaukee, Wis. Feed and cont nism. 2,630,750, Mar. 10.

Eberlein, Friedrich, Stuttgart-Riedenberg, a Henkel & Cie, G. m. b. H., Dusseldorf-Holth many. Squeezer extractor washing machine. Aug. 11.

Eberlin, Walter C.: *See*—
Kinraide, William T. R., and Eberlin.

Eberly, James: *See*—
Bender, Joseph, Jr., Eberly, and Tipple.

Eberly, Kenneth C., Akron, and C. E. Best, Uni signors to The Firestone Tire & Rubber Comp Ohio. Preparation of methylstannic acid. Jan. 27.

Eberly, Kenneth C., Akron, and R. J. Reid, Ca assignors to The Firestone Tire & Rubber Akron, Ohio. 1,2,5,6-tetrachloro-1,5-cyc 2,626,961, Jan. 27.

Eberly, Kenneth C., Akron, and R. J. Reid, Ca assignors to The Firestone Tire & Rubber Akron, Ohio. Preparation of 2,3-dichloro-1, by dehydrochlorination of 1,2,3,4-tetrach 2,626,964, Jan. 27.

Eberman, Joseph W.: *See*—
Fleming, Frank E.

Ebers, Jewell J., assignor to The Ohio State Research Foundation, Columbus, Ohio. V inductively-tuned oscillator. 2,651,738, Sep

Ebers, Jewell J., Whippany, N. J., assignor to phone Laboratories, Incorporated, New Y Semiconductor signal translating device. Oct. 13.

Ebersole, George B., Westfield, assignor to The Wilcox Company, Rockleigh, N. J. Separa method and apparatus for moisture carryin 2,658,615, Nov. 10.

Eberspacher, J., assignee: *See*—
Kohlmann, Hans, and Zellbeck.

Ebert, Edward A., Snyder, assignor to The Ru litzer Company, North Tonawanda, N. Y. phonograph. 2,644,565, July 7.

Ebert, James P., assignor, by mesne assignme telle Development Corporation, Columbus, trography. 2,647,464, Aug. 4.

Ebert, Max E.: *See*—
Schoenster, Peter J., and Ebert.

Ebert, Robert J.: *See*—
Bath, Cyril J., and Ebert.

Ebert, Walter A., Dormont, and R. A. Conn Township, Allegheny County, assignors Laughlin Steel Corporation, Pittsburgh, P mill turn-up guide. 2,653,497, Sept. 29.

Eberz, William F., Altadena, Calif., assignor Corporation, Wilmington, Del. Reagent con and apparatus. 2,633,472, Mar. 31.

Ebin, Benjamin, New York, N. Y. Meat broil tus. 2,655,096, Oct. 13.

Eble, Thomas E.: *See*—
Hanson, Frederick R., and Eble.

Ebsworth, Richard H., Laguna Beach, Calif. transmission. 2,656,736, Oct. 27.

Eby, Hugh H., Inc., assignee: *See*—
Ritter, Edwin E.
Ward, Charles J.

Eby, Ivan D., New York, N. Y. Pressure respo for determining the depth of liquids. Nov. 10.

Eby, Lawrence T.: *See*—
Mikeska, Louis A., and Eby.

Eby, Thomas J., assignee: *See*—
Martin, Arthur E., and Eberman.

Eccleston, Paul H.: *See*—
Vordahl, Milton B., Grace, and Eccleston.

Eccleston, Paul H., Ilion, N. Y., assignor to Arms Company, Inc., Bridgeport, Conn. A testing and adjusting gun sights. 2,641,056

Ecco, Inc., assignee: *See*—
Pond, Cecil E.

Echerd, Ray J., Jr.: *See*—
De Vault, Robert B., and Echerd.

Echlin, Beryl G., assignee: *See*—
Echlin, John E.

Echlin, John E., assignor to B. G. Echlin, Conn. Shelf partition. 2,626,063, Jan. 20.

Echlin, John E., New Haven, E. A. Nordberg and E. J. Sambrook, Hamden, assignors to E facturing Company, New Haven, Conn. Swit circuits for automobiles or the like. 2,626,3

Echlin Manufacturing Company, assignee: *See*—
Echlin, John E., Nordberg, and Sambrook.

Eck, Floyd R., Des Plaines, assignor to Admi tion, Chicago, Ill. Solenoid. 2,627,544, Feb

Eck, Floyd R., Des Plaines, assignor to A poration, Chicago, Ill. Refrigerant testi 2,641,929, June 16.

Eck, Floyd R., Des Plaines, Ill., assignor to M ucts Corporation, Detroit, Mich. Shelf an for refrigerator cabinets. 2,658,727, Nov. 1

Eck, Floyd R., Des Plaines, Ill., assignor to Motor Products Corporation, Detroit, Mich. Swinging refrigerator shelf. 2,658,811, Nov. 10.

Eck, Floyd R., Des Plaines, Ill., assignor to Motor Products Corporation, Detroit, Mich. Refrigerator cabinet structure. 2,660,505, Nov. 24.

Eck, Floyd R., Des Plaines, and W. L. Chambers, Chicago, Ill., assignors to Motor Products Corporation, Detroit, Mich. Cabinet door structure. 2,640,230, June 2.

Eck, John C.: *See*—
Porter, Frank, and Eck.

Eck, John R.: *See*—
Thomas, Charles A., and Eck.

Eck, Robert N., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical stepping control system. 2,634,376, Apr. 7.

Eckardt, Rudolf H., Nutley, N. J. Attachment for sewing machines. 2,625,127, Jan. 13.

Eckart, Carl H., San Diego, and G. W. Downs, Jr., Pasadena, Calif., assignors to the United States of America as represented by the Secretary of Navy. Echo ranging ssytem. 2,629,084, Feb. 17.

Eckart, De Merle E., Abilene, and J. R. Rosenleaf, Enterprise, Kans. Bedpan device. 2,632,185, Mar. 24.

Eckart, De Merle E., Abilene, and J. R. Rosenleaf, Enterprise, Kans. Mattress with reinforced opening. 2,654,898, Oct. 13.

Eckbreth, Walter M., Monongahela, assignor of one-third to J. H. Cromling, Bonola, Pa. Amusement device. 2,664,053, Dec. 29.

Eckels, August E., Jr.: *See*—
Eckels John F., and A. E.

Eckels, John F., and A. E., Jr., Baltimore, Md. Extruder head. 2,650,551, Sept. 1.

Eckerd, James W.: *See*—
Mulcey, Paul A., Eckerd, and Small.

Eckers, Carl G., assignor of one-half to Aktiebolaget Separator, Stockholm, Sweden, and one-half to Imperial Chemical Industries, Limited, London, England. Recovering protein from protein containing material. 2,628,002, Feb. 10.

Eckert, Charles F., Westwood, N. J., assignor to United States Rubber Company, New York, N. Y. Addition of alkali-metal silicofluorides to latex. 2,653,918, Sept. 29.

Eckert, Clarence J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Substage illuminator for microscopes. 2,636,976, Apr. 28.

Eckert, Clyde V., Seattle, Wash. Trailer stand. 2,634,941, Apr. 14.

Eckert, Ernst R. G., Lakewood, and T. W. Zobel, Dayton, Ohio, assignors to the United States of America as represented by the Secretary of the Air Force. Interference—Schlieren apparatus with simplified compensation principle. 2,655,074, Oct. 13.

Eckert, George W.: *See*—
Dilworth, John P., Eckert, and Coppoc.

Eckert, George W., Glenham, assignor to The Texas Company, New York, N. Y. Lubricating greases thickened with calcium silicate. 2,656,315, Oct. 20.

Eckert, George W., Glenham, assignor to The Texas Company, New York, N. Y. High-temperature sodium myristate grease containing N,N'diphenyl para-phenylene diamine. 2,663,690, Dec. 22.

Eckert, James E.: *See*—
Werenfels, Peter H., and Eckert.

Eckert, John P., Jr., J. C. Sims, Jr., and H. F. Welsh, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Pulse recording apparatus. 2,625,607, Jan. 13.

Eckert, John P., Jr., and H. F. Welsh, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Flip-flop circuit. 2,629,825, Feb. 24.

Eckert, John P., Jr., and J. W. Mauchly, assignors, by mesne assignments, to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Memory system. 2,629,827, Feb. 24.

Eckert, John P., Jr., Gladwyne, and J. W. Mauchly, Ambler, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Signal responsive device. 2,646,501, July 21.

Eckert, John P., Jr., Gladwyne, and J. W. Mauchly, Ambler, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Signal processing apparatus. 2,655,598, Oct. 13.

Eckert, Lewis W., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Fire-resistant coating composition. 2,632,741, Mar. 24.

Eckert, Lewis W., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Fire-resistant coating composition and making the same. 2,632,742, Mar. 24.

Eckert, Lewis W., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Fire-resistant coating composition for fiberboard and the like. 2,632,743, Mar. 24.

Eckert-Mauchly Computer Corporation, assignee: *See*—
Bonn, Theodore H., and Wendell.
Eckert, John P., Jr., and Mauchly.
Eckert, John P., Jr., and Welsh.
Eckert, John P., Jr., Sims, and Welsh.
Gordon, Bernard M.

Eckert, Samuel B., Haverford, Pa. Internal-combustion engine. 2,648,228, Aug. 11.

Eckert, William F., Mauch Chunk, Pa. Self-sharpening safety razor. 2,640,258, June 2.

Eckhardt, Owen S.: *See*—
Lawrence, Ray V., and Eckhardt.

Eckhardt, Owen S., and I. E. Knapp, Columbia, Miss., assignors to Leach Brothers, Inc. Recovering rosin. 2,642,425, June 16.

Eckhardt, Owen S., Columbia, Miss., D. F. Cook, South Bend, Ind., and I. E. Knapp, Columbia, Miss., assignors to Leach Brothers, Inc. Treatment of resin acid-fatty acid mixtures. 2,659,718, Nov. 17.

Eckhoff, Robert H., assignee: *See*—
Bourne, Gordon F., and Kennedy.

Eckhoff, Robert H., trustee, assignee: *See*—
Danforth, Richard S.

Eckles, Harry L., New Orleans, La. Attachable and detachable handle closure combination. 2,645,408, July 14.

Eckles, Howard W.: *See*—
Lindberg, Caryl A., and Eckles.

Eckles, Howard W., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Switch. 2,625,630, Jan. 13.

Eckles, Howard W., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Protected switch. 2,662,143, Dec. 8.

Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,630,824, Mar. 10.

Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Proportional reset response fluid relay. 2,633,858, Apr. 7.

Eckstein, Arnold, McHenry, assignor to Ace Engineering Company, Chicago, Ill. Valve construction. 2,626,635, Jan. 27.

Eckstein, Ernest E., Elgin, Oreg. Automatic tong extracting and resetting mechanism. 2,656,212, Oct. 20.

Eckstein, George R.: *See*—
Catlin, Robert T., Cummings, Eckstein, and Hickman.

Eckstein, Karl J., assignee: *See*—
Parry, Robert D.

Eckstrom, Albert W., Buffalo, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for concentrating a solution and separating crystals therefrom. 2,631,926, Mar. 17.

Eclipse Air Brush Co., assignee: *See*—
Beach, Howard W.

Eclipse Fuel Engineering Co., assignee: *See*—
Stadler, Albert.

Ecoff, Francis A., Richmond Heights, Mo., assignor to American Car and Foundry Company, New York, N. Y. Rail car panel. 2,657,645, Nov. 3.

Econaway Manufacturing Company, assignee: *See*—
Dain, William D.

Econometal Corporation, assignee: *See*—
Ahrens, Gerhard W.

Economics Laboratory, Inc., assignee: *See*—
Borell, George L., and Nystuen.

Economy Engineering Company, The, assignee: *See*—
Batchelder, James W.

Economy Faucet Company, assignee: *See*—
Gordinier, Ralph E.

Economy Fuse and Manufacturing Co., assignee: *See*—
Laing, Gordon F.

Economy Pumps, Inc., assignee: *See*—
Morey, Carl.

Ecremeuses Melotte Societe Anonyme, assignee: *See*—
Henrard, Fernand J. J.

Ecusta Paper Corporation, assignee: *See*—
Heygel, Paul R.
Schur, Milton O., and Levy.

Edberg, Arthur R.: *See*—
Schmidt, Frederick W., Moore, and Edberg.

Eddington Metal Specialty Company, assignee: *See*—
Czarnecki, Walter V., Jr. and C. M.

Eddison, William B.: *See*—
Pomeroy, Jack L., and Eddison.

Edds, William, assignee: *See*—
Teall, Oliver E.

Eddy, Allan F.: *See*—
Eddy, Robert F. and A. F.

Eddy, Robert F., Barrington, W. F. Stecker, Cranston, and R. L. Carney, Jr., Scituate, R. I., assignors to Morrison Warp Company. String package. 2,633,310, Mar. 31.

Eddy, Robert F. and A. F., San Marino, Calif. Automatic frozen confection making apparatus. 2,625,120, Jan. 13.

Eddy, William C., assignor to Television Associates, Inc., Michigan City, Ind. Endless coil magazine and container. 2,631,034, Mar. 10.

Eddy, William C., assignor to Television Associates, Inc., Michigan City, Ind. Compression type endless film reel. 2,631,035, Mar. 10.

Eddy, William C., assignor to Television Associates, Inc., Michigan City, Ind. Endless film magazine. 2,656,184, Oct. 20.

Eddy, William C., assignor to Television Associates, Inc., Michigan City, Ind. Container for endless film reels. 2,657,047, Oct. 27.

Eddystone Machinery Company, assignee: *See*—
Aulen, Walter E.

Edeborg, Oscar F., assignor to Art Metal Construction Company, Jamestown, N. Y. Adjustable side bar for posting trays. 2,625,162, Jan. 13.

Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Louisville, Ky. Evaporator for uniform pressure absorption type refrigerators. 2,641,003, June 9.

Edelberg, Vladimir, Tunis, Tunisia. Automatic control of slips of drill pipe strings of sounding holes. 2,662,737, Dec. 15.

Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Eccentric and follower mechanism. 2,654,266, Oct. 6.

Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Attaching thread for glass bowls. 2,661,966, Dec. 8.

Edelfelt, Ivan H., and D. E. Garr, Schenectady, N. Y., assignors to General Electric Company. Fuel metering system. 2,627,718, Feb. 10.

Edelheit, Sol, Forest Hills, N. Y. Quick-release tie rack. 2,633,995, Apr. 7.

Edelman, Norman B., Philadelphia, Pa. Artificially curled feather. 2,630,947, Mar. 10.

Edelmann, E., & Co., assignee: *See*—
Edelmann, Robert B.
Reifenberg, Karl.

Edelmann, Robert B., assignor to E. Edelmann & Co., Chicago, Ill. Battery service kit. 2,646,873, July 28.

Edelson, Leon, Elkins Park, Pa. Lighter construction. 2,641,118, June 9.

Edens, Robert L., Tulsa, Okla. Testing apparatus for clutch plates. 2,655,809, Oct. 20.

Eder, Louise J., executrix, assignee: *See*—
Eder, Mathias L.

Eder, Mathias L., Canton, Ohio, L. J. Eder, executrix of said M. L. Eder, deceased, assignor to L. J. Eder, Canton, Ohio. Ferrous alloys. 2,644,747, July 7.

Ederer, Lothar A., assignor to R. J. Ederer Company, Chicago, Ill. Net finishing machine. 2,630,772, Mar. 10.

Ederer, Lothar A., Chicago, assignor to Keal Products, Inc., Evanston, Ill. Fish classifying means. 2,643,481, June 30.

Ederer, Lothar A., Chicago, assignor to Keal Products, Inc., Evanston, Ill. Fish trapping apparatus. 2,663,117, Dec. 22.

Ederer, R. J., Company, assignee: *See*—
Ederer, Lothar A.
Sonnberger, Rudolph.

Edgar, Albert C., Palos Heights, Ill., assignor to Wilson & Co., Inc. Coating for food containers. 2,646,358, July 21.

Edgar, Albert C., Palos Heights, Ill., assignor to Wilson & Co., Inc. Coated food containers. 2,655,451, Oct. 13.

Edgar, Charles C., Lawrence, Kans. Seal. 2,628,116, Feb. 10.

Edgar, John A.: *See*—
Woods, Harold A., and Edgar.

Edgar, William S. W., Jr., assignor to The Western Union Telegraph Company, New York, N. Y. Electronic code telegraph reading and repeating system. 2,641,641, June 9.

Edgar, William S. W., Jr., assignor to The Western Union Telegraph Company, New York, N. Y. Electronic code telegraph reading and repeating system. 2,641,651, June 9.

Edge, Stanley H., assignor to Clayton Dewandre Company Limited, Lincoln, England. Hydraulic control device. 2,661,597, Dec. 8.

Edgemond, John W., Jr.: *See*—
Carroll, Ellsworth W., Edgemond, and Jespersen.

Edgerton, William H., Huntington Woods, assignor to Parke, Davis & Company, Detroit, Mich. Chloramphenicol esters and obtaining same. 2,662,906, Dec. 15.

Edhardt, Gösta E., Malmo, Sweden. Folding wheelbarrow. 2,660,446, Nov. 24.

Edholm, Harald, Solsidan, Saltsjobaden, Sweden. Container for storing oil and like fluids. 2,661,062, Dec. 1.

Edi Holding, Inc., assignee: *See*—
Spierer, Edward D.

Edinburg, Murray W., Worcester, Mass. Direct writing electrocardiograph. 2,646,336, July 21.

Edinburgh Corporation, assignee: *See*—
Sippel, Theodore C.

Edison, Thomas A., Incorporated, assignee: *See*—
Dann, Charles W., and Somers.
Dietz, Edward A.
Dietz, John J.
Dunham, Le Roy S.
Fritzinger, George H.
Kelly, Frederick G.
Kobler, Richard.
Moulton, Joseph D.
Moulton, Joseph D., Schweitzer, and Briggs.
Odell, Carl H.
Somers, Richard M.
Stamper, Willson Y.

Edler, Earline L., Buffalo, N. Y. Glove. 2,655,662, Oct. 20.

Edman, John H.: *See*—
Cook, Curtiss L., and Young, and Edman.

Edmond, Charlie R., Cincinnati, Ohio. Marker type projectile. 2,629,600, Feb. 24.

Edmonds, Garfield J., Philadelphia, Pa. Machine for skinning vegetables and the like. 2,642,107, June 16.

Edmonds, Harvey A., assignor to Swift & Comp
cago, Ill. Bag opening process and machine,
movable bag opening arms. 2,649,235, Aug.

Edmonds, Lee O.: *See*—
Himel, Chester M., and Edmonds.

Edmund, Joseph L.: *See*—
Russell, John, Edmund, and Felker.

Edmunds, Alvin M.: *See*—
Sonnabend, Lawrence F., and Edmunds.

Edmunds, Alvin M., and L. F. Sonnabend, assigno
Dow Chemical Company, Midland, Mich. Self-
furan resin compositions using a mixture o
sulfonyl chloride and trichloroacetic acid as
2,655,491, Oct. 13.

Edmunds, Edward, Jr.: *See*—
Martin, Tom E., and Edmunds.

Edmunds, Edward, Jr., Albuquerque, N. Mex., as
Phillips Petroleum Company. Drying a
nitrate and like materials. 2,653,391, Sept. 2

Edmunds, Ernest R.: *See*—
Gence, Frank C., Edmunds, and Panzarella.

Edmunds, William H., Havertown, assignor to
cuit Breaker Company, Philadelphia, Pa.
plate. 2,648,742, Aug. 11.

Edsall, William S., Boston, and P. C. Hitchcock,
assignors to The Chase-Shawmut Company,
port, Mass. Thermal protector for conducto
tion. 2,645,690, July 14.

Edsall, William S., Boston, Mass., and K. W
Hampton, N. H., assignors to The Chase-Shaw
pany, Newburyport, Mass. Current-limitin
protective device. 2,647,970, Aug. 4.

Edson, James O., Warren Township, Somerset
N. J., assignor to Bell Telephone Laboratori
porated, New York, N. Y. Quantized pulse tra
with few amplitude steps. 2,625,604, Jan. 13.

Edson, Robert C., Livingston, N. J., assignor to
phone Laboratories, Incorporated, New Yor
Sealed wave guide window. 2,637,776, May

Edson, Robert C., Livingston, N. J., assignor to
phone Laboratories, Incorporated, New Yor
Power line carrier telephone system. 2,654,80

Edstrom, Gunnar G., assignee: *See*—
Johansson, Karl L. B.

Edwal Laboratories, Inc., The, assignee: *See*—
Pfeifer, George T.

Edward Valves, Inc., assignee: *See*—
MacGregor, David.

Edwarde, Leo K., Piedmont, Calif. Toilet ball
tuating linkage. 2,627,608, Feb. 10.

Edwards, Andrew W.: *See*—
Wallace, James M., and Edwards.
Wallace, James M., Edwards, and Kraft.

Edwards, Andrew W., East McKeesport, assignor
inghouse Electric Corporation, East Pittsbu
Automatic reclosing circuit breaker. 2,656,43

Edwards, Andrew W., and J. M. Wallace,
Keesport, assignors to Westinghouse Electric
tion, East Pittsburgh, Pa. Line-sectionalizer
2,644,114, June 30.

Edwards, Arnold D., Jacksonville, Fla. Plan
2,638,713, May 19.

Edwards, Arthur H.: *See*—
McCarthy, George D., and Edwards.

Edwards, Charles N., Washington, D. C., as
Hispeed Equipment, Inc., New York, N. Y.
for drying filmlike materials. 2,645,031, July

Edwards, Charles R., deceased, by F. R. Edwa
utrix, Houston, Tex. Inside pipe cutter.
June 2.

Edwards, Charles R., deceased, Houston, Tex.;
wards, executrix of C. R. Edwards. Pipe
means. 2,647,727, Aug. 4.

Edwards Company, Inc., assignee: *See*—
Fish, George R.
Verkuil, Leo L.

Edwards, Curtis V.: *See*—
Lindeman, Jesse G., and Edwards.

Edwards, Curtis V., Yakima, Wash., assignor,
assignments, to Deere & Company, Moline, Il
harvester. 2,633,685, Apr. 7.

Edwards, Curtis V., assignor to Edwards Equipm
pany, Yakima, Wash. Cultivating device.
Oct. 13.

Edwards, Edward V.: *See*—
Garoff, Kenton, and Edwards.

Edwards, Elwart H., Jr., Leeds, Ala. Disposable
syringe and package containing the same.
Jan. 13.

Edwards Equipment Company, assignee: *See*—
Edwards, Curtis V.

Edwards, Ernest L., Utica, N. Y. Dispensing
boxes containing granular materials. 2,630,25

Edwards, Frances R., executrix: *See*—
Edwards, Charles R.

Edwards, George S., assignor to Valley Mecha
Inc., Greencastle, Pa. Incubator. 2,654,345

Edwards, Greene B., Jr., Tuskegee, Ala. Table
flashlight. 2,638,583, May 12.

Edwards, Harold L.: *See*—
Freling, Norman N., and Edwards.
Vesper, Daniel M., and Edwards.

Edwards, Harry D., assignor to Ilford Limited, Il
land. Methine dyestuffs. 2,638,473, May 12.

Edwards, Herbert C., Canal Fulton, assignor to The Timken Roller Bearing Company, Canton, Ohio. Mechanism for feeding cylindrical articles into a centerless grinder. 2,638,723, May 19.

Edwards, James H., Evanston, Ill. Turbine heater. 2,643,091, June 23.

Edwards, James R.: *See*—
Quear, Eugene C., Shaw, and Edwards.

Edwards, John M.: *See*—
Corteggiano, William L., Vore, and Edwards.

Edwards, Jonathan, San Diego, Calif. Electronic ripple suppression filter. 2,629,014, Feb. 17.

Edwards, Jones B., Charlotte, N. C. Precalculation selector. 2,627,373, Feb. 3.

Edwards, Lee A., Sheffield, Ala., assignor to Tennessee Valley Authority. Production of lightweight aggregate from molten slag. 2,643,485, June 30.

Edwards, Leonard A., East Hampton, N. Y. Collapsible luggage carrier for automobiles. 2,654,516, Oct. 6.

Edwards, Lewis W. *See*—
Charlton, Edward J., and Edwards.

Edwards, Lois, assignee: *See*—
Galuska, Charles W.

Edwards Manufacturing Co., The, assignee: *See*—
Richmond, Sam.

Edwards, Marion T.: *See*—
Morrow, James E., and Edwards.

Edwards, Martha F., executrix: *See*—
Edwards, Walter S.

Edwards, Martin A.: *See*—
Ogle, Hugh M., Garr, and Edwards.

Edwards, Miles L., assignor to Weyerhaeuser Timber Company, Longview, Wash. Hydraulic log barking apparatus. 2,630,848, Mar. 10.

Edwards, Miles L., Longview, Wash. Vapor separating pump. 2,660,120, Nov. 24.

Edwards, Miles L., Portland, Oreg. Mixing valve. 2,655,316, Oct. 13.

Edwards, Paul G., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unbalanced-to-ground two-to-four-wire connection. 2,629,024, Feb. 17.

Edwards, Paul G., Verona, and A. V. Wurmser, Mount Bethel, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coding and signaling system. 2,651,678, Sept. 8.

Edwards, Raleigh M., Sacramento, Calif. Sprinkler head. 2,647,014, July 28.

Edwards, Ray C., Glen Rock, N. J. Apparatus for manufacturing helically finned tubes. 2,635,571, Apr. 21.

Edwards, Ray C., Glen Rock, N. J. Method and apparatus for making finned tubes. 2,661,525, Dec. 8.

Edwards, Robert A., Schenectady, N. Y., assignor to General Electric Company. Number converter. 2,657,856, Nov. 3.

Edwards, Robert B.: *See*—
Smeltzer, Raymond F., Edwards, Baker, and Burton.

Edwards, Thomas: *See*—
Greenland, Leonard S., and Edwards.
Thomas, Lawrence S., and Edwards.

Edwards, W., & Co. (London) Limited, assignee: *See*—
Mansfield, Ernest J.

Edwards, Walter S., deceased, New Haven, Conn., M. F. Edwards, executrix of said W. S. Edwards. Swinging door control. 2,650,386, Sept. 1.

Edwards, William D.: *See*—
Lucas, Guy L., Edwards, and Chaffin.

Edwards, William E., assignor to Sutcliffe Speakman & Company Limited, Leigh, England. Rotating bed adsorber. 2,639,000, May 19.

Edwards, William F. M., Esher, assignor to Filter Tips Limited, Pall Mall, England. Manufacture of filter tip and like composite cigarettes. 2,649,761, Aug. 25.

Edwin, Emil, Oslo, Norway. Producing pig iron. 2,661,278, Dec. 1.

Efferson, George M., Baton Rouge, La., assignor to Standard Oil Development Company. Reactor having nonplugging valve nozzle. 2,643,183, June 23.

Efficient Equipment, Inc., assignee: *See*—
Kaplan, Hyman C.

Eftihios, Kosmas, New Orleans, La. Method and apparatus for releasing frozen confections from molds. 2,637,668, May 5.

Eftihios, Kosmas, New Orleans, La. Apparatus for releasing frozen confections from molds. 2,649,764, Aug. 25.

Efurd, Euland A.: *See*—
Efurd, Robert L., Jr., and E. A. Efurd.

Efurd, Robert L., Jr., and E. A. Efurd, Shreveport, La. Pole gaining machine. 2,642,903, June 23.

Egan, James R., Waukesha, Wis. Magazine multiple tool handle. 2,635,661, Apr. 21.

Egan, John F., assignor to Eastman Kodak Company, Rochester, N. Y. Document-actuated device for effectively delaying a switching interval. 2,649,517, Aug. 18.

Egan, John F., and G. S. Jones, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for handling and photographically copying documents. 2,632,643, Mar. 24.

Egbert, Robert B.: *See*—
Landau, Ralph, and Egbert.

Egbert, Robert B., Roslyn Heights, assignor to Chempatents, Inc., New York, N. Y. Manufacture of ethylene oxide. 2,653,952, Sept. 29.

Egee, Walter W.: *See*—
Bartholomew, Robert J., and Egee.

Egee, Walter W., Yeadon, assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Bobbin drive for winding machines. 2,650,035, Aug. 25.

Egee, Walter W., Yeadon, and J. W. Bennett, assignors to Fletcher Works Incorporated, Philadelphia, Pa. Machine for applying a treating liquid to yarns. 2,649,756, Aug. 25.

Eger, Ernst, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Resilient tire. 2,650,633, Sept. 1.

Eger, Ernst, Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Antiskid chain attachment. 2,664,133, Dec. 29.

Eger, Henry J.: *See*—
Snyder, Jacob R., and Eger.

Eggenberger, Hans: *See*—
Von Allmen, Samuel, and Eggenberger.

Eggenberger, Markus A., Schenectady, N. Y., assignor to General Electric Company. Hydraulic regulator with stabilizing device. 2,635,639, Apr. 21.

Egger, Léon, assignor to Societe Savoisienne de Constructions Electriques, Aix-les-Bains, France. Safety device for transformers with oil reservoir. 2,639,309, May 19.

Egger, Léon J., assignor to Societe Savoisienne de Constructions Electriques, Aix-les-Bains, France. Safety device for transformers with expansion tanks. 2,639,308, May 19.

Eggers, Charles E., assignee: *See*—
Bauer, Arthur G.

Eggers, Charles E., Great Neck, N. Y. Extension cord plug with replaceable fuse element. 2,640,125, May 26.

Eggers, Charles E., Great Neck, N. Y. Fuse adapter plug. 2,640,126, May 26.

Eggerss, Hans A., assignor to Continental Can Company, Inc., New York, N. Y. Combined wire bail and handgrip for containers. 2,659,928, Nov. 24.

Eggert, Floyd H., Kenosha, Wis. Preparing antigen-rich bacterial toxins and toxoids. 2,635,984, Apr. 21.

Eggert, Walter S., Jr.: *See*—
Watter, Michael, and Eggert.

Eggleston, Ira S., St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Power-driven diverter attachment for conveyers. 2,649,187, Aug. 18.

Eggleston, Ira S., St. Paul, and C. R. Boller, North St. Paul, assignors to Standard Conveyor Company, St. Paul, Minn. Stoppage cause locator for conveyers. 2,629,486, Feb. 24.

Eggleston, Russell S., Buffalo, N. Y. Pipe lighting attachment for lighters. 2,629,999, Mar. 3.

Egglestone, Robert W., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Space heating means for dynamo-electric machines. 2,647,215, July 28.

Eggleton, Cecil E., assignor to Glit-O-Ring, Inc., Minneapolis, Minn. Jewelry cleaner. 2,627,276, Feb. 3.

Egli, Ernst, assignor to Maschinenfabrik Rüti A. G., vormals Caspar Honegger, Ruti, Switzerland. Weaving shuttle with round bobbin. 2,643,685, June 30.

Eglitis, Victors, Chicago, Ill. Mobile digging and pickup device for loosening and conveying material. 2,634,962, Apr. 14.

Egly, William D., South Bend, and C. W. Harris, Elkhart, Ind. Propulsion means for garden hose. 2,660,471, Nov. 24.

Egoroff, Leo: *See*—
Penkoff, Theodore, and Egoroff.

Ehat, Raphael F., San Francisco, Calif. Light signal test circuit for photocells. 2,632,358, Mar. 24.

Ehemann, John W.: *See*—
Glass, Marvin I., Ehemann, and Kraus.

Ehle, George E.: *See*—
Stauffer, Christian M., and Ehle.

Ehle, George E., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Shoe stiffener and making same. 2,639,240, May 19.

Ehlers, Russell W., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Army. Armored garment. 2,640,987, June 9.

Ehlinger, Arnold H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Compressor sealing arrangement. 2,660,367, Nov. 24.

Ehlinger, Marcel: *See*—
Mercier, Ernest, and Ehlinger.

Ehlke, Edward C., assignor to A. P. Controls Corporation, Milwaukee, Wis. Sealed valve. 2,659,569, Nov. 17.

Ehlke, Glenn H., Chicago, Ill. Loose-leaf binder. 2,661,004, Dec. 1.

Ehmann, Leslie G., assignor to Hyster Company, Portland, Oreg. Material handling device for industrial trucks. Re. 23,694, Aug. 4.

Ehmann, Leslie G., assignor to Hyster Company, Portland, Oreg. Side grip drum handling means for lift trucks. 2,663,442, Dec. 22.

Ehrat, Kurt, assignor to E. Gretener, Zurich, Switzerland. Device for producing current impulse combinations. 2,629,012, Feb. 17.

Ehrbar, Edward J., Cleveland, Ohio, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Lightning arrester. 2,650,325, Aug. 25.

Ehrbar, Edward J., and R. W. Cronshey, assignors to The Radiart Corporation, Cleveland, Ohio. Antenna. 2,650,983, Sept. 1.

Ehrenberg, Harry L., Little Rock, Ark. Portable and collapsible baby bed. 2,634,432, Apr. 14.

Ehrenberg, Werner, Hayes, and W. E. Spear, London, England. X-ray tube. 2,651,727, Sept. 8.

Ehrenreich, A. & Cie., assignee: *See*—
Latzen, Josef.

Ehrenreich, Stella, and S. Stettner, New York, N. Y. Bed supported holder for slippers and the like articles. 2,643,397, June 30.

Ehret, Robert J., and W. Moore, Jr., Philadelphia, Pa., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,653,279, Sept. 22.

Ehret, Yale W., Elkhart, Ind., assignor to The Adlake Company. Baggage rack. 2,639,817, May 26.

Ehret, Yale W., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Push-out sash. 2,641,031, June 9.

Ehrhardt, Earl V., Altadena, Calif. Holder for fabric, namely diapers. 2,660,772, Dec. 1.

Ehrlich, Joseph R., New York, N. Y. New and improved solutions of zein and making same. 2,657,148, Oct. 27.

Ehrsam, J. B., & Sons Manufacturing Co., The, assignee: *See*—
Kelley, Hugh.
Rosenleaf, John R.
Skillman, Edward.

Eich, Elizabeth A., administratrix: *See*—
Eich, Frank A.

Eich, Frank A., deceased, Melrose, Mass., by E. A. Eich, administratrix, Melrose, and L. G. Miller, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel seat fitting machine. 2,639,448, May 26.

Eichelman, Francis J., Brookfield, assignor to National Cylinder Gas Company, Chicago, Ill. Cutting torch tip, including high and low velocity preheat passages. 2,655,206, Oct. 13.

Eichelman, Frank J., Brookfield, assignor to National Cylinder Gas Company, Chicago, Ill. Gas pressure regulator. 2,651,147, Sept. 8.

Eichenbaum, Herman, Rockville Centre, N. Y. Umbrella and manufacturing the same. 2,654,380, Oct. 6.

Eichenberg, Robert, assignor to McEvoy Company, Houston, Tex. Valve. 2,653,789, Sept. 29.

Eichenlaub, George E., Beaumont, Tex. Self-adjusting cross bridge. 2,624,080, Jan. 6.

Eicher, William F., Westfield, and L. H. Schwartz, Maplewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Transmission delay measuring system. 2,626,306, Jan. 20.

Eichholzer, Jakob: *See*—
Staubli, Heinrich H., and Eichholzer.

Eichhorn, Robert L., Evansville, Ind., assignor to International Harvester Company. Refrigerating coil mounting in cabinet. 2,654,231, Oct. 6.

Eichler, Edwin H., Dundee, Ill. Canning whole food articles. 2,664,358, Dec. 29.

Eichmann, Theophil, Berne, Switzerland, assignor to G. B. Scarlett, Kennett Square, Chester County, Pa. Method and apparatus for maintaining temperature and humidity constant. 2,657,543, Nov. 3.

Eichner, Ferdinand R., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Hollow rivet. 2,635,501, Apr. 21.

Eichorn, Robert N.: *See*—
Wagner, John L., Webb, and Eichorn.

Eickemeyer, Ludwig: *See*—
Gottlieb, Joseph, Woessner, and Eickemeyer.

Eickstaedt, Edwin A. C.: *See*—
Lendved, John W., and Eickstaedt.

Eidal, Roy M., Albuquerque, N. Mex. Rod bending machine. 2,661,787, Dec. 8.

Eide, Ole J., J. A. Johnson, and C. F. Milkwick, Anaconda, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Dispensing apparatus. 2,625,952, Jan. 20.

Eidman, Albert W., South Euclid, and A. H. Wilkelis, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread advancing reel. 2,651,828, Sept. 15.

Eiffert, Otto H., and H. S. Thomas, Jr., assignors to Sargent & Greenleaf, Inc., Rochester, N. Y. Combination lock with tumbler upsetting mechanism. 2,625,032, Jan. 13.

Eiffert, Otto H., and H. S. Thomas, Jr., Rochester, N. Y., assignors, by mesne assignments, to H. C. Miller, Fairfax, Va. Combination padlock. 2,658,373, Nov. 10.

Eight Point Trailer Corporation, assignee: *See*—
Jurgens, Herman E.

Eiler, Joseph C., and W. E. Lyon, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread. 2,626,649, Jan. 27.

Eilersgaard, Asger, Los Angeles, Calif. Washing machine provided with detergent lubricating means. 2,631,447, Mar. 17.

Eilertsen, Adolph, Brooklyn, N. Y. Garter supporter. 2,627,639, Feb. 10.

Eimar Corporation, assignee: *See*—
Brereton, Gilbert.

Eimco Corporation, The, assignee: *See*—
Hendrickson, Donald E., Royle, and Schwa
Royle, Edwin B.
Schwartz, Daniel M.

Eimermann, Lloyd R., assignor to Perflex C
Milwaukee, Wis. Diaphragm valve. 2,635,6

Einhorn, Nathan, Philadelphia, Pa. Adjusta
scraper. 2,655,721, Oct. 20.

Einstein, Howard C., deceased, Detroit, M
Franklin, executor of said H. C. Einstein
lically operated mechanism for raising d
bodies. 2,650,859, Sept. 1.

Eisaman, Leo C.: *See*—
Breeden, Francis C., and Eisaman.

Eisbein, Walter, Stuttgart Bad Cannstatt, Ger
veloping apparatus. 2,657,618, Nov. 3.

Eisele, Andrew, Detroit, Mich. Bore gauge.
Oct. 6.

Eiseman, Bernhardt J., Jr., assignor to E. I
de Nemours & Company, Wilmington, Del.
tinguishing composition of CBr_2F_2 or C
containing CF_4 as a propellant. 2,653,130,

Eisen, John B.: *See*—
Bjorksten, Johan A., and Eisen.
Schlatter, Carl, Eisen, and Jefferson.

Eisenbart, Henry L., Fowler, Kans. Drawbar
device. 2,641,926, June 16.

Eisenberg, Irwin M., Stewartsville, Irwin, Pa
to Westinghouse Air Brake Company.
brake equipment. 2,637,602, May 5.

Eisenburger, Kuno, Wels, assignor to EVG Ent
und Verwertungsgeselischaft m. b. H., Gr
Austria. Welding head for simultaneously
series of spot welds according to the double sp
2,661,416, Dec. 1.

Eisendrath Glove Company, assignee: *See*—
Kuh, William H.

Eisenhauer, Ida J., assignee: *See*—
Stover, Ancil C.

Eisenbauer, Leigh E.: *See*—
Stover, Ancil C.

Eisenbauer Manufacturing Company, The,
See—
Stover, Ancil C.

Eisenhauer, William W., assignee: *See*—
Stover, Ancil C.

Eisenhood, Otis W., assignee: *See*—
Houston, Fred K.

Eisenhood, Sara J., assignee: *See*—
Houston, Fred K.

Eisenhuth, Carl H., Thermal, Calif. Wa
2,625,111, Jan. 13.

Eisenkraemer, Arthur, Westbury, assignor to En
dio and Phonograph Corporation, New Y
Mounting means for television pictu
2,654,880, Oct. 6.

Eisenstein, Edward, Los Angeles, Calif. Intr
tachment. 2,656,835, Oct. 27.

Eisler, Charles, South Orange, N. J. Contin
crack-off machine. 2,641,870, June 16.

Eisler, Joseph D.: *See*—
Silverman, Daniel, Eisler, and Lash.

Eisler, Paul, assignor to Hermoplast Limite
England. Electrical connecting strip. 2,634,
Eisler, Paul, London, England. Electrical resist
conductor. 2,662,957, Dec. 15.

Eisman, Harry M., assignor to Chart Aluminu
Corp., Meriden, Conn. Ladder. 2,632,592.

Eisner, Edwin J., Kansas City, Mo. Translatin
for beam-type weighing scale. 2,659,594, N

Eisner, Harold, Au Marronier, Prangins, assig
mann R. Raz-Ammann's Wwe. & Co., Thun, S
Antiskid attachment. 2,632,491, Mar. 24.

Eisner, Harold, Au Marronier, Prangins, S
Antiskid tread surface. 2,652,876, Sept. 22.

Eisner, Harold, Prangins, Switzerland. Remo
skid device for vehicle wheels provided wit
tires. 2,661,042, Dec. 1.

Eisner, Robert S., Red Bank, and M. R. Galle, L
N. J.; said Galle assignor to said Eisner.
brush with short bristles. 2,633,589, Apr. 7.

Eissmann, Oswald E., Richmond, Va., assignor
can Machine Development Corporation. Sep
paratus. 2,643,768, June 30.

Eitel, Jay M., Los Altos, Calif. Control mec
electrically driven apparatus. 2,627,560, Fe

Eitel-McCullough, Inc., assignee: *See*—
Drieschman, Donald F., and Wesenberg.
Eitel, William W., and McCullough.
Eitel, William W., McCullough, and Sorg.
Norton, Robert L.
Preist, Donald H.
Preist, Donald H., and Ballou.
Sorg, Harold E., Eaves, and Drieschman
Williams, Paul D.

Eitel, William W., Woodside, and J. A. McCull
brne, assignors to Eitel-McCullough, Inc.,
Calif. Electron tube. 2,629,066, Feb. 17.

Eitel, William W., Woodside, J. A. McCullough
and H. E. Sorg, Redwood City, assignors t
Cullough, Inc., San Bruno, Calif. Ultrahigh
generator and electron tube. 2,654,844, Oct

Eltel, William W., Jr., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Optical system for image intensifiers. 2,648,776, Aug. 11.

Elco Products Company, assignee: *See*—
Duskey, Edmund L.
Kollman, Jack.

Ekeberg, Johan, Oslo, Norway. Sofa adapted to be converted into two superposed beds. 2,627,612, Feb. 10.

Ekholm, Herbert W., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam safety connector structure. 2,642,161, June 16.

Ekins, William J. S., Cleveland, Ohio. Calking gun assembly. 2,626,731, Jan. 27.

Ekler, Kurt: *See*—
Schloen, John H., and Ekler.

Eklund, Henrik J., Wausau, and C. W. Miller, Eland, assignors to D. J. Murray Manufacturing Co., Wausau, Wis. Mechanical log barker. 2,625,968, Jan. 20.

Ekman, Reinhold V.: *See*—
Berg, Claes, Carlsson, and Ekman.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Railway truck. 2,636,450, Apr. 28.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Disk brake. 2,655,227, Oct. 13.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Self-energizing brake. 2,655,228, Oct. 13.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Disk brake mechanism. 2,655,229, Oct. 13.

Eksergian, Rupen, Media, and M. Watter, assignors to The Budd Company, Philadelphia, Pa. Vertically extended dead light panel of passenger railway cars. 2,646,008, July 21.

Eksten, Carl E., Jr., Henrietta, assignor to Taylor Instrument Companies, Rochester, N. Y. Sphygmomanometer. 2,630,796, Mar. 10.

Ekstrand & Tholand Inc., assignee: *See*—
Kuzmick, Jerome F.

Ekström, Karl H. R., and C. G. Lundin, Ekskilstuna, assignors to Christian Berner Aktiebolag, Gothenburg, Sweden. Machine for sorting, according to color, differently colored bottles and similar objects. 2,627,975, Feb. 10.

Elam, Jess L., assignor to Builders Ornamental Iron Company, Chicago, Ill. Collision unit. 2,645,267, July 14.

Elarde, Paul F., Westchester, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic measuring device. 2,656,504, Oct. 20.

Elastic Stop Nut Corporation of America, assignee: *See*—
Lindahl, Carl.

Elastomer Chemical Corporation, assignee: *See*—
Schwencke, Edmund H.

Elberta Crate & Box Company, assignee: *See*—
Simmons, Jack W.

Elbon, Arthur B., St. Petersburg, Fla. Shear cut band saw. 2,628,644, Feb. 17.

Elco Tool and Screw Corporation, assignee: *See*—
Larson, Walter G., and Broberg.

Elder, Albert V., Portland, Oreg. Extensible rack. 2,651,558, Sept. 8.

Elder, John C., Penn Township, Allegheny County, Pa. Game piece moving means. 2,658,757, Nov. 10.

Elderkin, James K.: *See*—
Mascuch, Joseph J., and Elderkin.

Eldon Manufacturing Co., assignee: *See*—
Dunbar, Norman R.

Eldorado Mining and Refining (1944) Limited, assignee: *See*—
Green, Donald T.

Eldred, John W., Columbus, Ohio. Burner and burner control system for glass burn-off machines. 2,629,205, Feb. 24.

Eldredge, Elmer E., Plymouth, Wis., assignor to The Borden Company, New York, N. Y. Natural cheese package. 2,635,049, Apr. 14.

Eldridge, John C., Bridgewater, and F. A. Flaherty, Boston, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Last slip for removing shoes from lasts. 2,658,004, Nov. 3.

Eldridge, Tauslas I., Jr., Brookline, and W. H. Young, Willow Grove, Pa., and F. G. MacRae, La Grange, Ill., assignors to Electric Service Manufacturing Company, Philadelphia, Pa. Expulsion type lightning arrester. 2,664,518, Dec. 29.

Eldsden, Herbert E., assignor to Sendel Limited, Dublin, Ireland. Index file. 2,641,260, June 9.

Electraulic Presses Limited, assignee: *See*—
Towler, John M., and F. H.

Electric Controller & Manufacturing Company, The, assignee: *See*—

Electric Auto-Lite Company, The, assignee: *See*—
Launder, James M.
Dyer, Alvin C.
Leitch, John D.
Leitch, John D., and Smith.
Myles, Asa H.
Schurr, Charles A.
Widdows, Richard G.

Electric Furnace Company, The, assignee: *See*—
Kerr, Elmer L.

Electric Game Company, The, assignee: *See*—
Fisher, William.

Electric & Musical Industries Limited, assignee: *See*—
Broadway, Leonard F., Barford, and Pearce.
Cork, Edward C.
Faudell, Leslie C.
Henson, Alec F.
Holman, Herbert E.
Huntley, Keith G.
Johnson, Charles A.
Leyton, Eric M.
Lubszynski, Hans G.
Lubszynski, Hans G., and Webley.
McGee, James D.
McGee, James D., White, Lubszynski, Webley, and Huntley.
Pearce, Albert F., and Barford.
Sommer, Alfred.
Vanderlyn, Philip B.
White, Eric L. C.

Electric Service Manufacturing Company, assignee: *See*—
Eldridge, Tauslas I., Jr., Young, and MacRae.

Electric Sorting Machine Company, assignee: *See*—
Cox, David C.
Smith, Benjamin F.

Electric Sprayit Company, The, assignee: *See*—
Deutsch, Millard B.

Electric Steam Cleaner Manufacturing Corporation, assignee: *See*—
Hackman, William C.

Electric Storage Battery Company, The, assignee: *See*—
Bradley, James C.
Lighton, Lester E.
Linn, George W.
Smith, William W.
Stoertz, Howard.

Electrical Engineers Equipment Co., assignee: *See*—
Hoye, Peder B.

Electrical Products Corporation, assignee: *See*—
Brown, Ralph.
Owen, Harold R., and Brown.

Electrical Testing Laboratories, Inc., assignee: *See*—
Little, William F.

Electric Eye Equipment Company, assignee: *See*—
Frisbie, Stewart E., Smiley, and Frommer.

Electro-Mecanique de l'Aveyron, S. A., assignee: *See*—
Bessiere, Pierre E.

Electro-Chemical Engineering & Mfg. Co., assignee: *See*—
Lantz, Willard J., and Walters.

Electrographic Corporation, assignee: *See*—
Bungay, George W.
Grumbache, Edward S.
Reilly, Frank E.
Snelson, Howard J.

Electro-Hydraulics Limited, assignee: *See*—
Bryan, George W.
Caldwell, Harry B., and Hancock.
Hadekel, Ruben.
Mackie, Harry.

Electrol Burner Manufacturing Co., Inc., assignee: *See*—
Andler, Robert F.

Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.
Ashton, Benjamin N., and Barkow.
Ashton, Benjamin N., Frain, and Rawding.

Electroline Manufacturing Company, assignee: *See*—
Morgenstern, Joseph, and Morgenstern.

Electrolux Corporation, assignee: *See*—
Borkoski, Leon P.
Borkoski, Leon P., and Lampe.
Brown, Charles L., Jr.
Cranmer, George H.
Currivan, John J.
Fadner, Glenn R.
Lampe, Robert C.
Lofgren, Gustaf E., Lampe, and Ferraris.
Price, Theodore R., and Brown.
Wahlberg, Eric C.

Electrom, assignee: *See*—
Vintennon, André L.

Electronatom Corporation, assignee: *See*—
Yadoff, Oleg.

Electronic Associates, Inc., assignee: *See*—
Gordon, Lloyd L.

Electronic Engineering Company of Sioux Falls, a division of The Iseman Corporation, assignee: *See*—
Nelson, Gorman R.

Electronic Secretary, Inc., The, assignee: *See*—
Zimmermann, Joseph J.

Electronic Switch and Signal Company, assignee: *See*—
Richards, Harry W.

Electronics Enterprises, assignee: *See*—
Hall, Willard C.

Electronics Research, Inc., assignee: *See*—
Raburn, Louis E., and Anderson.

Electronoid Corporation, assignee: *See*—
Fisher, Frederick C.

Electrons, Incorporated, assignee: *See*—
Smith, Earle K.

Electro-Plastic Fabrics, Incorporated, assignee: *See*—
Beaver, Richard W., and Sweeny.

Electro Refractories & Abrasives Corporation, assignee: *See*—
Roble, Norman P.

Electro-Snap Switch & Mfg. Co., assignee: *See*—
Se Bastian, Ford.

Electrotext Corp., assignee: *See*—
Casper, Louis.

Electro Voice, Incorporated, assignee: *See*—
Wiggins, Alpha M.

Electro-Watt Electrical and Industrial Management Co., Ltd., assignee: *See*—
Cho, Chi Liang.

Elegar, Augustus G., Arlington, Va. Apparatus for controlling humidity. 2,624,420, Jan. 6.

Elektro-Mechanik G. m. b. H., assignee: *See*—
Grebe, Otto.
Grebe, Otto, and Sussebach.

Elektrokemisk A/S, assignee: *See*—
Sejerated, Johannes, and Böckman.

Elenbaas, Willem, D. Kolkman, and A. A. Hurx, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, as trustee. Starting strip connection for discharge lamps. 2,663,823, Dec. 22.

Elersich, Frank E., North Hollywood, Calif. Ball collecting trough for pool tables. 2,640,697, June 2.

Elersich, Frank E., North Hollywood, Calif. Mechanically operated cue. 2,658,756, Nov. 10.

Elfsuede, Inc., assignee: *See*—
Abeles, Ernest A.

Elgar, Everett C., assignor to Canadian General Electric Company, Limited, Toronto, Ontario, Canada. Electric radiant heat drier. 2,656,449, Oct. 20.

Elgin, Joseph C., Princeton, N. J., and E. F. Sverdrup, assignors to U. S. Rubber Reclaiming Company, Inc., Buffalo, N. Y. Extrusion apparatus utilizable for reclaiming rubber. 2,653,348, Sept. 29.

Elgin, Joseph C., Princeton, N. J., and E. F. Sverdrup, assignors to U. S. Rubber Reclaiming Company, Inc., Buffalo, N. Y. Reclaiming apparatus and method. 2,653,349, Sept. 29.

Elgin, Joseph C., Princeton, N. J., and E. F. Sverdrup, assignors to U. S. Rubber Reclaiming Co., Inc., Buffalo, N. Y. Reclaiming scrap vulcanized material using an olefin as reclaiming agent. 2,653,914, Sept. 29.

Elgin, Joseph C., Princeton, N. J., and E. F. Sverdrup, assignors to U. S. Rubber Reclaiming Co. Inc., Buffalo, N. Y. Reclaiming rubber and reclaimed rubber products. 2,653,915, Sept. 29.

Elgin, Joseph C., Princeton, N. J., and E. F. Sverdrup, assignors to U. S. Rubber Reclaiming Co., Inc., Buffalo, N. Y. Reclaiming scrap vulcanized material. 2,653,916, Sept. 29.

Elgin Manufacturing Company, assignee: *See*—
Baldwin, Harold R.
Dickinson, Floyd B.

Elgin National Watch Company, assignee: *See*—
Favret, Maxime.

Elgin Softener Corporation, assignee: *See*—
Mansen, Harry.

Elgin Sweeper Company, assignee: *See*—
Mott, Carl W.

Elias, Frederick, Woodbourne, N. Y. Radiograph calculator. 2,639,091, May 19.

Elias, Peter, Cambridge, Mass. Computing device. 2,661,152, Dec. 1.

Elias, William, West Goshen Township, Chester County, and H. J. Merrion, Malvern, Pa., assignors, by mesne assignments, to American Home Products Corporation, New York, N. Y. Penicillin compositions. 2,656,299, Oct. 20.

Eliasen, Ernst A. B., and K. H. F. Jensen, London, England. Telegraphic code translator. 2,643,292, June 23.

Eliason, Joseph B., Minneapolis, Minn. Distance and angle measuring device. 2,647,322, Aug. 4.

Elion, Gertrude B.: *See*—
Hitchings, George H., and Elion.

Eliot, Samuel, Newton, Mass. Tool with extension spaced from head. 2,627,078, Feb. 3.

Eliot, Theodore Q.: *See*—
Steitz, Alfred, Jr., Grekel, Eliot, and Weaver.

Eliot, Theodore Q., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Purification of amyl alcohols. 2,635,072, Apr. 14.

Eliot, Theodore Q., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Distillation process for separating butyraldehyde from ethyl acetate. 2,638,442, May 12.

Eliot, Theodore Q., Tulsa, Okla., and J. C. Weaver, Jr., Brownsville, Tex., assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Distillation of cyclopentanone from 2-methyl-1-butanol and 3-methyl-1-butanol. 2,662,847, Dec. 15.

Eliot, Warner A., New Canaan, Conn., and W. H. Erikson, Rochester, N. Y., assignors to Stromberg-Carlson Company. Method and means for obtaining a predetermined phase shift characteristic. 2,657,276, Oct. 27.

Eliot, William M., Houston, Tex. Car parking system and structure. 2,663,435, Dec. 22.

"Elipson" S. A., assignee: *See*—
Léon, Joseph.

Eljer Company, assignee: *See*—
Gulick, David E.

Elkes, Peter J., High Point, N. C. Shoe press. 2,663,885, Dec. 29.

Elkind, Vincent T.: *See*—
Strong, James S., Craig, and Elkind.

Elkington, James E., San Francisco, Calif. Flu
snap-acting gate valve. 2,646,075, July 21.

Elkins, Douglas A., Salt Lake City, Utah. R
and motor hydraulic transmission. 2,645,9

Elkins, Douglas A., Salt Lake City, Utah. Va
rotary pump and motor hydraulic tr
2,645,903, July 21.

Elkins, Frank S., Passaic, N. J., assignor to Ur
Rubber Company, New York, N. Y. Coating
2,632,422, Mar. 24.

Elkins, Hervey B.: *See*—
Clay, John P., and Elkins.

Elkins, John L., Long Beach, Calif. Rotata
ground clamp. 2,642,560, June 16.

Elkins, Lloyd E.: *See*—
Evans, John R., Elkins, and Klinzing.

Elle, August P., Chicago, Ill. Walking rack.
Apr. 14.

Elle, Herbert J., Chicago, Ill. Adjustable stir
ing saddles. 2,655,778, Oct. 20.

Ellenberger, Francis R., Cedar Grove, N. J.,
General Electric Company. Plastic ro
2,630,868, Mar. 10.

Eller, Lee, assignor of one-half to A. E. Rain
Wash. Pulley. 2,632,333, Mar. 24.

Eller, Robert L., Spokane, Wash. Hydraulic p
tor. 2,662,484, Dec. 15.

Ellerbeck, Grant C., San Leandro, Calif.,
Friden Calculating Machine Co., Inc. De
marker. 2,628,031, Feb. 10.

Ellerbeck, Grant C., Hayward, Calif., assignor
Calculating Machine Co., Inc. Tabulation c
dent to indexing a multiplication factor.
Apr. 7.

Ellerbeck, Grant C., Hayward, Calif., assignor
Calculating Machine Co., Inc. Dividen
mechanism. 2,653,762, Sept. 29.

Ellerbeck, Grant C., San Leandro, Calif., assigno
Calculating Machine Co., Inc. Duplex regist
ing machines. 2,656,104, Oct. 20.

Ellern, Herbert, Ferguson, assignor to Unive
Corporation, St. Louis, Mo. Composition fo
paper match splints. 2,647,048, July 28.

Ellett, Alec S. J.: *See*—
Zozulin, Igor V., Okulitch, Volkoff, Ok
Ellett.

Ellett, Alexander, River Forest, Ill., assignor
Radio Corporation. Blanking arrangemen
scription television receivers. 2,649,498, A

Elliff, Orla S., assignor to The Meeker Com
Joplin, Mo. Key retainer. 2,624,192, Jan.

Ellinger, Leo P., assignor to The British O
pany Limited, London, England. Purificati
ical compounds. 2,641,616, June 9.

Elliwood, George G., assignee: *See*—
Shine, Thomas.

Elliot, Rand, New York, and E. A. Weissman
N. Y. Collapsible table. 2,635,842, Apr. 21

Elliot, William H., Whitefish Bay, assignor
Hammer, Inc., Milwaukee, Wis. Electronic
trol system. 2,641,735, June 9

Elliot, William H., Whitefish Bay, assignor
Hammer, Inc., Milwaukee, Wis. Peaked
cuit. 2,660,670, Nov. 24.

Elliott, Charles H., assignor to Reed Roller Bi
Houston, Tex. Applying hard surfacing
metal bodies. 2,626,221, Jan. 20.

Elliott, Chester C., Piqua, Ohio. Septic tank.
Mar. 17.

Elliott Company, assignee: *See*—
Baker, Virgil H.
Constantine, Leonard R., Evans, and Denn
Langworthy, Coartland H.

Elliott, Edwin S., Petersburg, Va., assignor
Powder Company, Wilmington, Del. Heat
kali-metal carboxymethyl cellulose and pr
2,639,239, May 19.

Elliott, George, Rochester, N. Y., assignor to
Carlson Company. Telephone reverting c
2,659,769, Nov. 17.

Elliott, George, Rochester, N. Y., assignor to
Carlson Company. Ringing control circui
phone systems. 2,659,770, Nov. 17.

Elliott, Harmon P., Watertown, Mass. Combi
moistening and stencil-blotting apparatus.
Nov. 3.

Elliott, Harmon P., Watertown, Mass. Bed a
address printing machine. 2,639,662, May

Elliott, Harold V., Anderson, Ind., assignor
Motors Corporation, Detroit, Mich. Elec
nection for distributors. 2,651,025, Sept. 1.

Elliott, Harold V., Anderson, Ind., assignor
Motors Corporation, Detroit, Mich. Igni
2,657,556, Nov. 3.

Elliott, Irwin, Croton-on-Hudson, assignor of
C. G. Papalexis and G. C. Papalexis, Br
Machine for producing extruded units. 2,66
24.

Elliott, Harold V., Anderson, Ind., assignor to
tors Corporation, Detroit, Mich. Circu
2,664,480, Dec. 29.

Elliott, James P.: *See*—
Hudgins, Peter D., and Elliott.

Elliott, John H., assignor to Hercules Powder Company, Wilmington, Del. Textile material sized with zirconium salts of water-soluble carboxyalkyl cellulose. 2,650,887, Sept. 1.

Elliott, John R.: *See*—
Boldebuck, Edith M., Elliott, and Roedel.
Perl, Martin L., and Elliott.

Elliott, Lacester, Springfield, Ill. Fly-ash handling apparatus. 2,627,827, Feb. 10.

Elliott, Lauren F., assignor to Weltronic Company, Detroit, Mich. Electrical timing apparatus. 2,656,461, Oct. 20.

Elliott, Lee, Bakersfield, Calif. Turret unit. 2,651,973, Sept. 15.

Elliott, Martin A., E. L. Clark, and H. H. Storch, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Production of hydrocarbon synthesis gas from coal. 2,634,286, Apr. 7.

Elliott, Marvel A., Erie, Pa., assignor to General Electric Company. Piston wrist pin assembly. 2,664,327, Dec. 29.

Elliott, Morris R., and G. L. Turner, assignors to Clark Equipment Company, Buchanan, Mich. Brake mechanism and handle construction. 2,651,379, Sept. 8.

Elliott, Olin S., Greenville, S. C. Gauge means for fitting screens to card cylinders. 2,652,633, Sept. 22.

Elliott, Richard L., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electronic tube base and the like. 2,627,536, Feb. 3.

Elliott, Robert A., Fallston, N. C. Pole climbing device. 2,654,638, Oct. 6.

Elliott, Robert R., Sr., Pawtucket, R. I., assignor, by mesne assignments, to Whitin Machine Works. Textile roll assembling and disassembling apparatus. 2,644,226, July 7.

Elliott, Thomas J., assignor to Harris-Seybold Company, Cleveland, Ohio. Sheet delivery mechanism. 2,657,052, Oct. 27.

Elliott, W. C., executor: *See*—
Elliott, Wordsworth M.

Elliott, William J., Sr., assignor of fifty per cent to E. L. McNeely, Baltimore, Md. Projector for simulated basket ball games. 2,658,495, Nov. 10.

Elliott, William S.: *See*—
Coales, John F., Elliott, Hill, Hersom, and Tindale.

Elliott, William S., Borehamwood, England. Light beam stabilizing system. 2,659,828, Nov. 17.

Elliott, Wordsworth M., deceased, Durango, Colo.; W. C. Elliott, executor of said W. M. Elliott. Foot massager. 2,663,293, Dec. 22.

Elliotte, Marion A., Grafton, N. Y. Vacuum street cleaner. 2,663,894, Dec. 29.

Ellipse Corporation, assignee: *See*—
Rhine, Marvin L.

Ellis, Alexander C.: *See*—
Douglass, Walter, and Ellis.

Ellis, Amy S., Runcorn, and R. B. Mooney, Liverpool, England, assignors to Imperial Chemical Industries Limited. Production of ammonium uranium fluoride. 2,650,153, Aug. 25.

Ellis, Arthur M., Knoxville, Tenn. Separable button attaching device. 2,644,209, July 7.

Ellis, Billie D.: *See*—
Croake, William D., and Ellis.

Ellis, Calvin L., Clay, N. Y., and R. W. Elsner, Phoenix, Ariz., assignors to General Electric Company. Signal generation apparatus. 2,660,615, Nov. 24.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Surfacing machine. 2,633,675, Apr. 7.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Apparatus for collecting and preserving blood. 2,647,514, Aug. 4.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Means for controlling edging machines. 2,653,427, Sept. 29.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Ophthalmic instrument. 2,663,219, Dec. 22.

Ellis, Charles E., Mahwah, N. J. Adjustable pole pitch dynamoelectric machine. 2,629,063, Feb. 17.

Ellis, David G., assignor to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition of nickel. 2,662,853, Dec. 15.

Ellis, Earl G., assignor to Mid-Continent Supply Company, Inc., Fort Worth, Tex. Low-pressure alarm signal. 2,633,098, Mar. 31.

Ellis, Enright A., Villanova, assignor to Downingtown Manufacturing Company, Downingtown, Pa. Paper stock pulper. 2,641,971, June 16.

Ellis-Foster Company, assignee: *See*—
Hammer, Irving P., and Rust.
MacKenzie, Charles A., and Rust.
Rust, John B.
Rust, John B., and Canfield.
Rust, John B., and Joy.
Rust, John B., and MacKenzie.
Rust, John B., and Spialter.
Wells, Franklin B.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Dry battery cell. 2,625,575, Jan. 13.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Deferred action type battery. 2,640,863, June 2.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Magnesium-cuprous chloride reserve battery. 2,655,551, Oct. 13.

Ellis, Guy P., Lake Charles, La. Rotary jar. 2,636,718, Apr. 28.

Ellis, Herbert B.: *See*—
Conzelman, John E., Jr., Ellis, and O'Brien.

Ellis, Howard, Greenville, and A. K. Wilson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 2,658,810, Nov. 10.

Ellis, Robert, Bronx, N. Y. Flexible magnetic closure. 2,627,097, Feb. 3.

Ellis, Richard G., assignor to General Cement Mfg. Co., Rockford, Ill. Display card. 2,647,640, Aug. 4.

Ellis, Sidney G., Princeton, N. J., assignor to Radio Corporation of America. Focusing of electron optical apparatus. 2,627,589, Feb. 3.

Ellis, Sidney G., Princeton Junction, N. J., and P. C. Stevenson, Berkeley, Calif., assignors to Radio Corporation of America. Method and apparatus for separation of colloids in a colloid solution. 2,648,636, Aug. 11.

Ellis, Walter E., Los Angeles, Calif. Trailer steering hitch. 2,653,032, Sept. 22.

Ellis, William H., Lovelaceville, Ky. Well strainer. 2,624,411, Jan. 6.

Ellison Bronze Company, Inc., assignee: *See*—
Hanssen, Petter M.

Ellison, John A. T., Seattle, Wash. Sales stimulating panel. 2,626,389, Jan. 20.

Ellison, John A. T., Seattle, Wash. Parking meter control system. 2,656,908, Oct. 27.

Ellison, John A. T., Seattle, Wash. Flexible toll barrier. 2,663,103, Dec. 22.

Ellison, Lynn E., Crystal Lake, and R. R. Proctor, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Electronic torquemeter and horsepower indicator. 2,640,352, June 2.

Ellison, Lynn E., Crystal Lake, assignor to The Pure Oil Company, Chicago, Ill. Electronic pressure indicator. 2,662,408, Dec. 15.

Elliston, Mary W., Chicago, assignor of one-half to Edith K. Weinstein, Highland Park, and one-half to Leroy A. Kling, Evanston, Ill. Fishing reel. 2,637,418, May 5.

Ellithorpe, Clarence D., Milford, Conn., assignor to Duplex Electric Company, Inc., New York, N. Y. Retractable sidewalk teller system. 2,656,013, Oct. 20.

Ellman, Louis: *See*—
Hosbein, Louis H., and Ellman.

Ellström, Axel S., Skutskar, assignor to Söderhamns Verkstäder Aktiebolag, Söderhamn, Sweden. Saw frame. 2,624,205, Jan. 6.

Ellsworth, Allan R., Los Angeles, Calif. Phonograph record. 2,631,859, Mar. 17.

Ellsworth, Harold I., Portland, Oreg. Corner cushioning packaging device. 2,631,723, Mar. 17.

Ellsworth, Ransom C.: *See*—
Champlin, Charles L., Ellsworth, and Hickin.

Ellsworth, Ransom C., assignor to The Ohio Boxboard Company, Rittman, Ohio. Sealed container. 2,649,239, Aug. 18.

Ellsworth, Ransom C., assignor to The Ohio Boxboard Company, Rittman, Ohio. Sealed container. 2,651,450, Sept. 8.

Ellsworth, Ransom C., assignor to The Ohio Boxboard Company, Rittman, Ohio. Carton construction. 2,656,092, Oct. 20.

Ellsworth, Walter E.: *See*—
Meyrick, Harold A., and Ellsworth.

Ellwood, Walter B.: *See*—
Brown, John T. L., and Ellwood.

Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Machine for manufacturing switches. 2,648,167, Aug. 11.

Ellwood, William P., assignee: *See*—
Stover, Ancil C.

Elly, Joyce: *See*—
Hohenstein, Walter P., Haward, and Elly.

Elmendorf, Armin, Winnetka, Ill. Cylindrical container. 2,630,934, Mar. 10.

Elmendorf, Arthur R., Woodbridge, assignor to The Safety Car Heating and Lighting Company, Inc., New Haven, Conn. Electric light fixture shade and chassis construction. 2,643,328, June 23.

Elmer, Antone D., assignee: *See*—
Anderson, Edwin F.

Elmer, Florence G., assignee: *See*—
Anderson, Edwin F.

Elmer, Otto C., Fishkill, assignor to The Texas Company, New York, N. Y. Adducts of thianaphthene-1-1-dioxide. 2,664,426, Dec. 29.

Elmer, William B., Boston, Mass. Luminaire for street lighting. 2,647,202, July 28.

Elmer, William B., Lakewood, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Battery container. 2,641,625, June 9.

Elo, Arpad, assignor to Perfex Corporation, Milwaukee, Wis. Diaphragm assembly. 2,632,475, Mar. 24.

Elöd, Egon, Badenweiler, Germany. Producing dicyandiamide-urea-formaldehyde impregnating agents. 2,662,071, Dec. 8.

Eloranta, Valto K., Boston, Mass., assignor to the United States of America as represented by the Secretary of the Army. Helmet for protection against low-temperatures. 2,642,574, June 23.

Eloranta, Valto K., Boston, assignor to Polaroid Corporation, Cambridge, Mass. Sunshield with depending visor. 2,638,593, May 19.

Elox Corporation of Michigan, assignee: *See*—
McKechnie, Ian C.

Elsaesser, Frank S., Cincinnati, Ohio. Support for use in cutting radishes. 2,630,850, Mar. 10.

Elsaesser, Frank S., Cincinnati, Ohio. Hamburg steak patty forming machine. 2,634,458, Apr. 14.

Elsaesser, Frank S., Cincinnati, Ohio. Nozzle for extruding devices. 2,635,561, Apr. 21.

Elsaesser, Frank S., Cincinnati, Ohio. Sheet transfer means. 2,643,880, June 30.

Elsaesser, Frank S., Cincinnati, Ohio. Machine for making Hamburg steak patties. 2,657,423, Nov. 3.

Elsberg, John, New York, N. Y. Plier vise. 2,642,766, June 23.

Else, Arthur W., Milwaukee, Wis. Packing gland. 2,624,601, Jan. 6.

El Shayeb, Ahmed M., Cairo, Egypt. Mixing valve faucet. 2,663,317, Dec. 22.

Elsheimer, Roscoe: *See*—
Kerr, Charles E., and Elsheimer.

Elsholz, Walter F., Caldwell, Idaho. Carbon saver. 2,631,256, Mar. 10.

Elsner, Edwin C., Glendale, Calif. Rope and cable joint. 2,651,824, Sept. 15.

Elsner, Edwin C., Glendale, Calif. Buckle with swingable release member. 2,653,365, Sept. 29.

Elsner, Edwin C., Glendale, Calif. Hook fastener. 2,653,368, Sept. 29.

Elsner, Frank, Hanover, Pa. Paster and holddown means for labeling machines. 2,655,896, Oct. 20.

Elsner, Ralph W.: *See*—
Ellis, Calvin L., and Elsner.

Elström, Sven E.: *See*—
Haglund, Didrik W., and Elström.

Elswick, John E.: *See*—
Johnston, Samuel S., and Elswick.

Elswick, William R.: *See*—
Plesset, Ernst H., Elswick, and Palmer.

Elsworth, John V., Watertown, N. Y., assignor to The New York Air Brake Company. Pressure compensated circuit failure protection device. 2,660,481, Nov. 24.

Elsworth, John V., Watertown, N. Y., assignor to The New York Air Brake Company. Pressure compensated circuit failure protection device. 2,660,482, Nov. 24.

Eltgroth, George V., Philadelphia, Pa. Frequency selective network. 2,633,529, Mar. 31.

Eltonhead, Robert: *See*—
De Lucia, John, and Eltonhead.

Elvis, Wilfred H., assignor, by mesne assignments, to Concentric Manufacturing Co. Limited, Birmingham, England. Pie and like molding machine. 2,625,892, Jan. 20.

Elwell, Edwin L., Lineboro, Md., assignor to Eskimo Pie Corporation, Bloomfield, N. J. Apparatus for making composite ice-cream confections. 2,649,744, Aug. 25.

Elwell, William R.: *See*—
Walaven, George M., and Elwell.

Elwert, Otto: *See*—
Kopf, Johann, Schnürle, and Elwert.
Schnürle, Adolf, Kopf, Elwert, and Hörz.

Elwert, Otto, and A. Schnürle, deceased, Stuttgart, Germany; said Elwert assignor to said Schnürle; G. Schnürle, sole heir of said A. Schnürle. Two-stroke cycle engine with supercharging injection pump. 2,642,854, June 23.

Elwood, Julius G., Gary, Ind., assignor to United States Steel Corporation. Protective circuits for electromagnets. 2,636,079, Apr. 21.

Elwood Research Company, a division of Chiselhurst, Inc., The, assignee: *See*—
Arnold, John W.
Stiehs, Wilhelm.

Ely, Otis G.: *See*—
Smith, Marsden C., and Ely.

Emanuel af Geijerstam, Eric O., Stockholm, assignor to Aktiebolaget Enköpings Verkstader, Enkoping, Sweden. Method and apparatus for discontinuous drying using a heating and a cooling cycle. 2,649,789, Aug. 25.

Emanuel, Vincent, Monrovia, assignor to Grant Oil Tool Company, Los Angeles, Calif. Rotary underreamer. 2,630,300, Mar. 3.

Emarco Corporation, assignee: *See*—
Cline, Harold A.

Emard, Paul Charles, Lyons, assignor to Compagnie Generale d'Electricite, Paris, France. Machine for making coaxial cables. 2,638,859, May 19.

Emberson, Keith L., assignor to Wingfoot Corporation, Akron, Ohio. Divided seat construction. 2,633,185, Mar. 31.

Emblem, Harold G., St. Helens, England, C. Shaw, Johannesburg, Transvaal, Union of South Africa, and W. E. Langrish-Smith, Burwash Common, England, said Emblem assignor to said Shaw and said Langrish-Smith. Liquid composition comprising a lower alkoxy silane. 2,660,538, Nov. 24.

Embshoff, George F., Hamilton County, assign
tutum Divi Thomae Foundation, Cincin
Ultraviolet lamp. 2,625,670, Jan. 13.

Emelin, Arthur C.: *See*—
Miller, Samuel, and Emelin.

Emérlat, Raymond, Paris, assignor to Societe
Leclanche, Chasseneuil-du-Poitou, France.
and insulating flat dry cells. 2,645,676, July

Emerol Manufacturing Co., Inc., assignee: *See*
Pierce, Clayton B.
Pierce, William C.

Emerson Electric Manufacturing Company, Th
See—
Eckles, Howard W.
Korski, Frank S.
Lindberg, Caryl A., and Eckles.

Emerson, John H., Arlington, Mass. Appara
ducing artificial respiration. 2,637,318, Ma

Emerson, John R., Flint, assignor to Gene
Corporation, Detroit, Mich. Antista
2,657,038, Oct. 27.

Emerson, Nellie, Youngstown, Ohio. Woma
garment. 2,651,047, Sept. 8.

Emerson, Paul D., Media, assignor, by mesne a
to The Chemstrand Corporation, Philad
Fluid treating apparatus for strands. 2,66
29.

Emerson, Paul D., Media, assignor, by mesne a
to The Chemstrand Corporation, Philad
Fluid treating apparatus for strands. 2,66
29.

Emerson Radio and Phonograph Corporation
See—
Eisenkramer, Arthur.

Emerson-Scheuring Tank and Manufacturing
Inc., assignee: *See*—
Scheuring, Charles E.

Emerson, William G., Jr.: *See*—
Drout, William M., Jr., and Emerson.

Emerson, William G., Jr., Somerville, and J
Union, N. J., assignors to Standard Oil I
Company. Extractive distillation purificat
tone. 2,662,848, Dec. 15.

Emerson, William S., and R. I. Longley, Jr., D
assignors to Monsanto Chemical Company, St
5-N-butoxy-1-hexyl adipate and method for
same. 2,624,753, Jan. 6.

Emerson, William S., and R. I. Longley, Jr., D
assignors to Monsanto Chemical Company
Mo. Preparation of keto aldehydes. 2,624,

Emerson, William S., and R. I. Longley, Jr., D
assignors to Monsanto Chemical Company
Mo. Plasticized vinyl halide. 2,637,714,

Emerson, William S., and R. A. Heimsch, Da
assignors to Monsanto Chemical Company
Mo. N-carboxyalkyl-α-amino toluic acids and
esters. 2,642,456, June 16.

Emerson, William S., and R. A. Heimsch, Da
assignors to Monsanto Chemical Company
Mo. Dialkyl ar-carboxydihydrocinnamates.
June 16.

Emerson, William S., and R. I. Longley, Jr., D
assignors to Monsanto Chemical Company
Mo. Preparation of ether-alcohols. 2,658,

Emery, Alfred H., assignor to Standard Gag
Inc., Poughkeepsie, N. Y. Shockproof di
gauge. 2,663,945, Dec. 29.

Emery, Charles B., River Forest, Ill., assignor
Electric Company, Incorporated, New Y
Torque testing device. 2,648,219, Aug. 11.

Emery, Charles W.: *See*—
Parker, Charles L. Y., Emery, and Smith

Emery Industries, Inc., assignee: *See*—
Goebel, Charles G.

Emery, James R., Jr., Teaneck, N. J. Pri
2,637,336, May 5.

Emery, Neville R., and P. O. Robards, Chicag
by mesne assignments, to Burgess-Mannin
Libertyville, Ill. Air distribution system.
Sept. 22.

Emery, Raymond W.: *See*—
Schaefer, Frederick R., and Emery.

Emery, William R., and E. Courtright, She
Lift attachment for farm tractors. 2,628,0

Emhart Manufacturing Company, assignee: *Se*
Ardell, Edgar.
Baker, Theodore C.
Claughsey, Charles F.
Currivan, John F.
Eade, Carleton W., and Schug.
Fischer, Paul E., and Ardell.
Giffen, James L.
Holstebroe, Kaye, and Ardell.
Holstebroe, Kaye, Ardell, and Wimmer.
Honiss, William T.
Jenett, Henry.
Kimball, Wallace D.
Merrill, Donald G.
Peller, Karl E.
Rideout, Arthur E., Ardell, and Mosley.
Rideout, Arthur E., Holstebroe, and Joh
Ross, Alexander H.
Rowe, George E.
Russell, Alan W.

Emig, Frank R., assignor to The Ohio Injector Company, Wadsworth, Ohio. Fluid motor. 2,638,877, May 19.
Emig, William G.: *See*—
Carter, Robert W., Currier, Emig, and Glentzer.
Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Book and binder therefor. 2,638,902, May 19.
Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Portable punching machine. 2,638,986, May 19.
Emmert, Lorenzo S., Elkhart, Ind. Construction unit. 2,637,265, May 5.
Emmett, Gertrude M. and M. W., Los Angeles, Calif. Ironing board cover. 2,644,257, July 7.
Emmett, John, assignee: *See*—
Emmett, Thomas D.
Emmett, Milton W.: *See*—
Emmett, Gertrude M., and M. W.
Emmett, Milton W., assignor to Holdfast Tool Co., Inc., Los Angeles, Calif. Adjusting means for slidable side jaw wrenches. 2,654,282, Oct. 6.
Emmett, Robert A., Jr.: *See*—
Burnight, Thomas R., and Emmett.
Emmett, Robert A., Jr., U. S. Navy. Test instrument for blind landing system. 2,624,872, Jan. 6.
Emmett, Robert A., Jr., U. S. Navy. Blind landing system. 2,644,155, June 30.
Emmett, Sophia, assignee: *See*—
Emmett, Thomas D.
Emmett, Thomas D., Knoxville, assignor of fifteen per cent to S. Emmett, fifteen per cent to T. Emmett, Jr., and fifteen per cent to J. Emmett, Fountain City, Tenn. Cement finishing knee board. 2,627,301, Feb. 3.
Emmett, Tom, Jr., assignee: *See*—
Emmett, Thomas D.
Emmi, James: *See*—
Tauscher, Vernon A., Slater, and Emmi.
Emmons, Joseph V., Shaker Heights, assignor to The Cleveland Twist Drill Company, Cleveland, Ohio. Wood bit. 2,652,083, Sept. 15.
Empire Box Corporation, assignee: *See*—
Hall, Maynard G.
Empire Brush Works, Inc., assignee: *See*—
Gantz, Harry, Schwartz, and Iasillo.
Empkie, Frederic D., Jr., Sioux City, Iowa, assignor to Container Corporation of America, Chicago, Ill. Can carrier. 2,637,476, May 5.
Emrick, Melvin H., Jamaica, N. Y. Forward and reverse belt drive for tapping attachments. 2,660,068, Nov. 24.
Emrick, Melvin H., Jamaica, N. Y. Jaw control for chuck devices. 2,662,774, Dec. 15.
Emro Manufacturing Company, Incorporated, assignee: *See*—
Pessina, Joseph G.
Emsco Derrick & Equipment Company, assignee: *See*—
Newcomb, Leroy, and Ashton.
Emsco Manufacturing Company, assignee: *See*—
Ashton, Albert A.
Emshwiller, John P., Riverdale, Md. Bearing pile. 2,631,435, Mar. 17.
Emshwiller, John P., Riverdale, Md. Mechanism for interlocking pile tubes to submerged structures from above the surface. 2,658,550, Nov. 10.
Emsig Manufacturing Company, assignee: *See*—
Dangelmajer, Charles.
Sucher, Joseph R.
Troll, William A.
Emslie, Alfred G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving object pulse echo selection circuit for radar systems. 2,646,561, July 21.
Emslie, Alfred G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio object-location system for moving target indication. 2,646,562, July 21.
Emslie, Alfred G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic oscillator synchronizing circuit. 2,659,009, Nov. 10.
Emslie, Alfred G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving object radio pulse-echo system. 2,659,076, Nov. 10.
Emslie, Alfred G., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving target radio pulse echo system. 2,659,077, Nov. 10.
Emulsol Corporation, The, assignee: *See*—
Epstein, Albert K., and Shaffer.
Enamel Products Company, The, assignee: *See*—
Taylor, Ralph E.
Enchelmaier, William F., Cedar Grove, N. J. Making brushes. 2,659,632, Nov. 17.
Enders, August, Aktiengesellschaft, assignee: *See*—
Adamy, Kurt, and Bätz.
Enders, William C., Oklahoma City, Okla. Nesting type store service carrier. 2,644,695, July 7.
Endicott, Charles O., and W. W. Houser, Sr., Huntington, Oreg. Automatic extinguishing and disposing ash tray for automobiles. 2,660,180, Nov. 24.
Endlich, Barbara T., Brooklyn, N. Y. Pattern tracing board. 2,652,267, Sept. 15.
Endo Products, Inc., assignee: *See*—
Kaye, Irving A.
Endrich, Karl, Zollikon, near Zurich, Switzerland. Appliance on typewriting, calculating, or bookkeeping machines for positioning and adjusting a top sheet in front of one or more basic sheets. 2,649,950, Aug. 25.
Endriss, Charles R., Kansas City, Mo. Game apparatus. 2,630,322, Mar. 3.
Endsley, Louis E., Pittsburgh, Pa., assignor to The Frost Railway Supply Co., Detroit, Mich. Railway car springs. 2,656,180, Oct. 20.
Endsley, William H., Sulphur Springs, Tex. Mud gun. 2,661,983, Dec. 8.
Endter, Waldemar A., Long Beach, Calif. Door latching mechanism. 2,625,420, Jan. 13.
Endter, Waldemar A., Long Beach, Calif. Keeper mechanism. 2,642,301, June 16.
Endzweig, Leopold: *See*—
Kwasnik, Irving, and Endzweig.
Enfield, John W., Chico, Calif. Pocket container for cigarettes. 2,658,468, Nov. 10.
Engberg, Donald W., St. Paul, and W. A. Norton, Mahtomedi, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Roll of adhesive tape. 2,651,408, Sept. 8.
Engel, Charles F., St. Louis, Mo. Cutting duct sections. 2,648,381, Aug. 11.
Engel, David, Uniontown, Pa. Combined vacuum sealed window and Venetian blind housing. 2,658,570, Nov. 10.
Engel, Edward M.: *See*—
Paffen, Fred W., and Engel.
Engel, Ernst, New York, N. Y. Garment. 2,643,385, June 30.
Engel, Fiesco B.: *See*—
Currier, Leslie A., and Engel.
Osgood, Robert C., and Engel.
Engel, G. Curtis: *See*—
Corradini, Robert E., Lynch, Bonomi, and Engel.
Engel, John P., Miller Place, assignor to Sapolin Paints, Inc., New York, N. Y. Fume disposal system. 2,656,008, Oct. 20.
Engel, William, Detroit, assignor to No-Sag Spring Company, Warren Township, Mich. Spring supporting clip. 2,652,885, Sept. 22.
Engel, Willem F., and H. Hoog, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Preparation of impregnated type tungsten and molybdenum catalysts. 2,650,906, Sept. 1.
Engel, Willem F., and P. Krijger, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of molded alumina carrier and catalyst. 2,662,860, Dec. 15.
Engelder, Arthur E., Morenci, Ariz. Anesthesia apparatus. 2,641,253, June 9.
Engelder, Arthur E., Douglas, Ariz. Face mask. 2,625,155, Jan. 13.
Engelhard, Charles, Incorporated, assignee: *See*—
Anderson, Edward P.
Engelhard, William E., North Arlington, N. J. Electric switch. 2,626,311, Jan. 20.
Engelhard, William E., North Arlington, N. J. Switch control mechanism. 2,629,005, Feb. 17.
Engelhardt, Adolph, Bismarck, N. Dak. Rotatably adjustable camera back. 2,625,864, Jan. 20.
Engelhardt, Carl F.: *See*—
Wilkening, Frederick W., Braendel, and Engelhardt.
Engelhardt, Carl F., Yeadon, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring construction. 2,635,933, Apr. 21.
Engelhardt, Robert L., Van Nuys, assignor to General Controls Co., Glendale, Calif. Ice detecting system. 2,632,308, Mar. 24.
Engelhardt, Vaughn A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkoxypentadienoate polymer compositions. 2,647,106, July 28.
Engelhardt, Vaughn A., Claymont, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing 2,3-butadienylamines. 2,647,147, July 28.
Engelman, Abel, assignee: *See*—
Abler, Julius.
Engelman, Herman C., Staten Island, N. Y., assignor to Pausin Manufacturing Company, Inc., Newark, N. J. Coupling means for detachably joining pipes. 2,627,429, Feb. 3.
Engelmann, Herbert F., Mountain Lakes, assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Radio frequency antenna. 2,654,842, Oct. 6.
Engelke, Edmund H., Annapolis, Md. Stop shoulder for recoilless rifle ammunition. 2,651,972, Sept. 15.
Engelson, George E., Kenherma, and R. N. Second, North Reading, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Production of calcium fluoride and silica. 2,631,083, Mar. 10.
Engemann, Herbert H., Cleveland Heights, Ohio. Automatic tappet. 2,630,792, Mar. 10.
Engemann, Herbert H., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Automatic tappet. 2,633,112, Mar. 31.
Engemann, Herbert H., Cleveland, Ohio. Slide binder. 2,639,531, May 26.
Engert, George A., North Hoosick, N. Y. Cylinder mold for papermaking machines. 2,641,972, June 16.

Engh, Walter B., Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Burner and chimney for incandescent mantle lamp. 2,661,418, Dec. 1.
Enghauser, Winford L., Cincinnati, Ohio. Cam operated self-closing gate. 2,628,441, Feb. 17.
Enghauser, Winford L., Cincinnati, Ohio. Automatic gate operating mechanism. 2,661,556, Dec. 8.
Engineered Plastics, Incorporated, assignee: *See*—
Foote, Richard L.
Engineered Products Company, The, assignee: *See*—
Comey, Charles S., and Saxton.
Engineering Controls, Inc., assignee: *See*—
Harbert, Lloyd C., and Corey.
Engineering Development Company, Incorporated, The, assignee: *See*—
Parsons, Critchell.
Wagner, George P.
Engineering Development Corporation, assignee: *See*—
Kittelson, Le Roy O.
Engineering Laboratories, Incorporated, assignee: *See*—
Green, William G.
Wofford, Custer A.
Engineering Research Associates, Inc., assignee: *See*—
Field, William J., and Perkins.
Gutterman, Robert P.
Perkins, Robert L.
Engineering and Research Corporation, assignee: *See*—
Barret, William M.
Clements, Clarence J., Jr.
Marchant, Lee L.
Weick, Fred E.
Engineering Research Inc., assignee: *See*—
Merz, Max.
England, John W., Iowa Falls, Iowa. Twine holder having a twine guiding notch. 2,628,856, Feb. 17.
England, David C., Marshallton, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacturing caprolactam. 2,634,269, Apr. 7.
Englander Company, Inc., The, assignee: *See*—
Ory, Edward W.
Piliero, James.
Englander, Imre A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Thermostatically controlled fan. 2,661,148, Dec. 1.
Engle, Byron, Washington, D. C. Positioning structure for revolver holsters. 2,641,395, June 9.
Engle, Merlin E., St. Paul, Minn. Marble game. 2,655,380, Oct. 13.
Engle, Raymond: *See*—
Smith, Leland I., and Engle.
Englemann, Max: *See*—
Leitz, Ernst, Jr., Englemann, and Bröhl.
Engler, Howard G., Short Hills, assignor to Engler Instrument Company, Jersey City, N. J. Hub odometer. 2,638,274, May 12.
Engler Instrument Company, assignee: *See*—
Engler, Howard G.
Englert, Henry O., Auburn, Wash. Wreath forming machine. 2,634,532, Apr. 14.
English, Alexander L., Schenectady, N. Y., assignor to General Electric Company. Nozzle structure for elastic fluid turbines. 2,631,005, Mar. 10.
English, Chester A., Niles, Ohio, assignor to General Electric Company. Apparatus for forming a ribbon of glass. 2,643,486, June 30.
English, Charles L., Tulsa, Okla., assignor, by mesne assignments, to Byron Jackson Co., Los Angeles, Calif. Rotary pump. 2,657,638, Nov. 3.
English Electric Company Limited, The, assignee: *See*—
Brownhill, Frank D., and Wolff.
Hughes, John O. P., and Wolff.
Kinsella, John, and Robertson.
Page, Frederick W., and Hooker.
Sterland, Ernest G.
English Electric Valve Company Limited, assignee: *See*—
Lines, Albert W.
Kompfner, Rudolf.
Randall, John T., and Boot.
Rollin, Bernard V.
English, James, Winsted, Conn. Balance mechanism for watches and clocks. 2,651,170, Sept. 8.
English, James F., Jr., Lakewood, and A. J. Hornfeck, Lyndhurst, Ohio, assignors to Bailey Meter Company. Magnetic fluid clutch. 2,650,684, Sept. 1.
English, Joseph R., Erie, Pa. Combined indicating plate and pull wire. 2,659,335, Nov. 17.
English, Ray H.: *See*—
Ornitz, Martin N., and English.
English, William W., Westport, Conn. Slide fastener. 2,643,432, June 30.
Englund, Gösta R., Stockholm, Sweden. Slip feeler control mechanism in cash registers. 2,631,530, Mar. 17.
Engsberg, Ralph W.: *See*—
Denney, Lee J., Duhamel, and Engsberg.
Engstrand, John A.: *See*—
Maxwell, Wilber A., and Engstrand.
Engstrom, Dorothy, administratrix: *See*—
Engstrom, Gustav.
Engstrom, Ivan.
Engstrom, Gustav, deceased, East McKeesport, Pa., F. M. Engstrom, administratrix. Rotary steam drier. 2,648,914, Aug. 18.
Engstrom, Ivan, deceased, by D. Engstrom, adm
Chicago, Ill. Adding machine. 2,634,056,
Engstrom, John R.: *See*—
Gibbon, John H., Jr., Malmros, Engstrom,
Malmros, Gustav V. A., Barber, and Eng
Engstrom, John R., Endicott, assignor to I
Business Machines Corporation, New York,
paratus for indicating variable conditions
2,651,195, Sept. 8.
Engström, Nils O. H.: *See*—
Georgii, Hans P., and Engström.
Engstrom, Vincent C.: *See*—
Barrlum, Thomas C., Burke, and Wiser an
Engstrom, William A., assignor to Continer
Corporation, Muskegon, Mich. Centrifugal s
device. 2,633,348, Mar. 31.
Engstrum, Paul, assignor to Paul Engstrum
Inc., Washington, D. C. Valve assembly.
Sept. 22.
Engstrum, Paul, Associates, Inc., assignee: A
Engstrum, Paul.
Enjar Wheels, Limited, assignee: *See*—
MacLean, James M.
Enlow, Charles C., Huntingburg, Ind.
2,635,327, Apr. 21.
Enna Limited, assignee: *See*—
Robb, William C.
Ennis, Thomas H.: *See*—
Stivers, Norman J., and Ennis.
Enoch, Duard W., assignor to Interstate Ba
poration, Kansas City, Mo. Means for cont
ing, feeding, and sheeting of dough. 2,642,0
Enochian, Samuel H., Kenmore, assignor to
ucts Corporation, Buffalo, N. Y. Wiper blad
windshields. 2,658,223, Nov. 10.
Enochs, Jerome D., Bronx, and R. M. Brow
assignors to Jaymar Specialty Company
N. Y. Hammer action for musical
2,641,153, June 9.
Enos, John P., Union, assignor to The Sing
turing Company, Elizabeth, N. J. Attachm
ing stitched hems. 2,627,239, Feb. 3.
Enos, Louis H., Montclair, N. J., assignor
Wright Corporation. Rubber filleted pro
2,631,678, Mar. 17.
Enos, John P., Union, assignor to The Sing
turing Company, Elizabeth, N. J. Sewing
tachment for basting. 2,642,021, June 16.
Enos, John P., Union, assignor to The Si
facturing Company, Elizabeth, N. J. Sew
presser-foot. 2,652,016, Sept. 15.
Enos, John P., Union, assignor to The Singer
ing Company, Elizabeth, N. J. Ornamental
tachment for sewing machines. 2,655,119,
Ens, Emil J.: *See*—
Magnus, Finn H., and Ens.
Ensey, Clayton, Rockville, Ind. Pressure-rel
for automobile bodies. 2,641,501, June 9.
Ensign Carburetor Company, assignee: *See*—
Ensign, Harold W.
Ensign, Elbert E., Ypsilanti, and R. A. Van Pa
City, assignors to Ford Motor Company, Dea
Precision casting process. 2,654,925, Oct. 1
Ensign, Harold W., Fullerton, assignor to
buretor Company, Huntington Park, Calif.
sure regulator with tight shutoff action.
Aug. 4.
Ensign Ribbon Burners, Inc., assignee: *See*—
Shottenfeld, Richard.
Enslein, Kurt, Rochester, N. Y., assignor to
Carlson Company. Method and apparatu
alignment of television receivers. 2,648,7
Enslein, Vincent W., Cincinnati, Ohio. Fo
the blind. 2,651,926, Sept. 15.
Ensminger, Arthur A.: *See*—
Russell, Frank C., and Ensminger.
Ensminger, Harry, Millburn, assignor to C
Equipment Company, Newark, N. J. Fire
discharge device. 2,655,219, Oct. 13.
Ensminger, Stanley W.: *See*—
Goett, John J., and Ensminger.
Enterprise Aluminum Company, The, assignee
Lewis, Thomas W.
Enterprise Machine Parts Corporation, assign
Hazen, Lysle L.
Enterprise Manufacturing Co. of Pennsylvan
signee: *See*—
Hess, Frederick P.
Enterprise Railway Equipment Company, assi
Batho, William F., and Wallace.
Dorey, George B.
Zimmer, Albert E.
Zimmer, Albert E., and Dorey.
Enterprise Wheel & Car Corporation, assignee
Jones, Frank A.
Enthone, Incorporated, assignee: *See*—
Meyer, Walter R.
Springer, Richard, and Meyer.
Entwisle, Grace L., administratrix: *See*—
Kumpf, August D.
Entwistle, Donald, Coventry, assignor to Cou
ited, London, England. Bonding of text
rubber. 2,643,207, June 23.

Entwistle, George, and H. J. Voss, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Composition of matter. 2,636,859, Apr. 28.

Enyeart, Harold F.: *See*—
Kaatz, Herbert W., and Enyeart.

Enyeart, Harold F., and H. W. Kaatz, Elyria, Ohio. Pump control. 2,635,546, Apr. 21.

Enzinger, Leonhard, Brooklyn, N. Y., and H. N. Padowicz, Livingston, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Cable positioning mechanism. 2,634,921, Apr. 14.

Enzler, Paul R., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Making switch contact. 2,646,613, July 28.

Epelboin, Israël, assignor of one-half to Centre National de la Recherche Scientifique, Paris, France. Manufacturing laminated cores for electromagnets. 2,658,264, Nov. 10.

Eplett, Albert D., Stratford, and F. H. Hopkins, Fairfield, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure relief valve. 2,641,278, June 9.

Epperson, Robert T., Ponca City, Okla. Butter dish with pat slicing means. 2,650,428, Sept. 1.

Epperson, William H., Coral Gables, assignor to Aeronautical Communications Equipment, Inc., Miami, Fla. Impedance matching network. 2,657,362, Oct. 27.

Eppinger, Louis J., Detroit, Mich. Fish lure. 2,638,698, May 19.

Eppinger, Louis J., Detroit, Mich. Fish lure. 2,657,495, Nov. 3.

Eppink, George, Talmadge Township, Ottawa County, Mich. Material elevator attachment for ladders. 2,626,683, Jan. 27.

Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Folding machine. 2,648,078, Aug. 11.

Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying pressure to shoe bottoms. 2,630,380, Sept. 1.

Epps, Peterson A., Jr., Richmond, Va. Bobby pin holder. 2,624,346, Jan. 6.

Epstein, Albert K., and B. M. Shaffer, assignors to The Emulsol Corporation, Chicago, Ill. Treatment of liquid egg albumin. 2,630,387, Mar. 3.

Epstein, Charles, New York, N. Y. Blood pressure taking device. 2,624,334, Jan. 6.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Schmidt television projector having meniscus to correct for antihalation lens. 2,642,488, June 16.

Epstein, David W., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube of the masked target variety. 2,659,026, Nov. 10.

Epstein, Eddie, assignee: *See*—
Pokras, Harry.

Epstein, Hirsch, Chicago, Ill. Soldering terminal for electrical wires. 2,664,553, Dec. 29.

Epstein, Hyman, assignor of one-half to M. Levine, Brooklyn, N. Y. Pancake making machine. 2,663,240, Dec. 22.

Epstein, Joshua, assignor to Acme Coppersmithing & Machine Company, Oreland, Pa. Bottom-flushing apparatus for lauter tubs. 2,657,804, Nov. 3.

Epstein, Maurice B., Brooklyn, N. Y. Drain fitting for wash sinks and the like. 2,654,097, Oct. 6.

Epstein, Saul, Los Angeles, Calif. Wrap-around vent spacer. 2,648,326, Aug. 11.

Epstein, Saul, Los Angeles, Calif. Vent pipe support. 2,648,511, Aug. 11.

Epstein, Saul, Los Angeles, Calif. Sheet metal pipe and fitting connection. 2,650,114, Aug. 25.

Erasmus, Hendrik de W., Lewiston, N. Y., assignor to Union Carbide and Carbon Corporation. Desulfurization of metals and alloys by silicon. 2,626,863, Jan. 27.

Erasmus, Hendrik de W., Lewiston, and W. D. Forgeng, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Silicon nitride abrasives. 2,628,896, Feb. 17.

Erb, Annie B., executrix: *See*—
Erb, George C.

Erb, George C., deceased, by A. B. Erb, executrix, Flushing, assignor to American Can Company, New York, N. Y. Dispensing container with sifter top. 2,664,229, Dec. 29.

Erb, Henry J., Jr., Johnstown, Pa. Tobacco conditioner assembly. 2,635,937, Apr. 21.

Erbe, George, Jersey City, N. J. Inserting tool for snap ties. 2,646,703, July 28.

Erbguth, Paul F. K., Great Neck, N. Y. Holder for flowers and other articles. 2,651,422, Sept. 8.

Erchak, Michel, Jr., Morristownship, Morris County, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Catalytic alkylbenzene synthesis. 2,660,610, Nov. 24.

Ercoli, Nicholas, Milan, Italy, and G. van Wessem, Harrison, N. Y., assignors to Warner-Hudnut, Inc. Fungicides. 2,652,355, Sept. 15.

Ercolino, Michael D., Wanamassa, N. J. Television antenna. 2,640,929, June 2.

Erdélyi, Ferenc, Felsogod, Hungary, assignor to Wilhelm Fette Prazisionswerkseug-Fabrik, Hamburg-Altona, Germany. Apparatus for the production of screw threads by means of pressing rollers. 2,651,224, Sept. 8.

Erdman, Charles A., Jr.: *See*—
Knauf, Harry V., Jr., and Erdman.

Erdmann, Otto, assignor to G. B. Lewis Company, Watertown, Wis. Beehive comb frame construction. 2,641,002, June 9.

Erdmenger, Rudolf, Bergisch-Gladbach, and P. Gassen, Koln-Buckforst, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Worm feeder. 2,658,604, Nov. 10.

Erdos, Leslie L., New York, N. Y. Speaking dictionary. 2,650,097, Aug. 25.

Erenberg, David, assignee: *See*—
Mitzenmacher, Lewis E.

Ergen, William K., Indianapolis, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft radio apparatus. 2,654,882, Oct. 6.

Erhardt, John E., Jr., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Reel mechanism. 2,663,512, Dec. 22.

Erhardt, John E., Jr., and J. S. Duffy, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Adjustable torsion shaft in flying shears. 2,641,937, June 16.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby, Conn. Dispenser for pressure-sensitive tape. 2,647,745, Aug. 4.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape dispensing mechanism with blade guard. 2,663,369, Dec. 22.

Erhardt, Oscar P., West Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Cabinet and rack for storing test tubes. 2,635,031, Apr. 14.

Ericks, Walter P., assignor to The Upson Company, Lockport, N. Y. Impregnated fibrous wallboard and method of making. 2,629,648, Feb. 24.

Ericks, Walter P., assignor to The Upson Company, Lockport, N. Y. Method for treating cellulose and product thereof. 2,629,674, Feb. 24.

Ericks, Walter P., assignor to The Upson Company, Lockport, N. Y. Compositions containing esters of a glycol and polycarboxylic acids and the treatment of cellulose therewith. 2,629,701, Feb. 24.

Ericks, Walter P., assignor to The Upson Company, Lockport, N. Y. Wallboard adhesive and method. 2,657,163, Oct. 27.

Erickson, Albert: *See*—
Gaverth, Delbert R., and Erickson.

Erickson, Albert L., Hastings, Minn. Lock for ventilator dampers. 2,633,071, Mar. 31.

Erickson, Anton F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Seal. 2,657,825, Nov. 3.

Erickson, Anton F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Check valve for master cylinders. 2,663,540, Dec. 22.

Erickson, Arleigh R., and W. P. Johnson, Aurora, Ill. System responsive to liquid level. 2,659,068, Nov. 10.

Erickson, Arvid M., San Jose, Calif., assignor, by mesne assignments, to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Food product. 2,650,880, Sept. 1.

Erickson, Charles E., Buffalo, and G. H. Wagner, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Disproportionation of silane derivatives. 2,627,451, Feb. 3.

Erickson, Clifford E.: *See*—
Hammell, Kemper M., and Erickson.

Erickson, Clifford E., Chicago, Ill., assignor to General Electric Company. Clothes drying machine. 2,657,475, Nov. 3.

Erickson, Clifford G., Chicago, Ill. Reading training device. 2,632,258, Mar. 24.

Erickson, Edwin H.: *See*—
Rosen, Emanuel P., and Erickson.

Erickson, Edwin H., assignee: *See*—
Morrell, Leon A.

Erickson, Elmer L., Brookings, S. Dak. Liquid graduate. 2,625,823, Jan. 20.

Erickson, Floyd B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing 2-sulfobenzoic acid. 2,642,458, June 16.

Erickson, Floyd B., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal compositions. 2,624,662, Jan. 6.

Erickson, Gustave A.: *See*—
Kirby, Leonard, Jr., and Erickson.

Erickson, Helmer E.: *See*—
Talboys, Henry H., and Erickson.

Erickson, Henry, Calumet City, Ill., assignor to Sinclair Refining Company, New York, N. Y. Preparation of hydrogel beads for drying. 2,643,231, June 23.

Erickson, Henry L., North Jackson, Ohio. Apparatus for generating heat. 2,634,804, Apr. 14.

Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Aminoheterocycles. 2,653,933, Sept. 29.

Erickson, John R., assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,643,494, June 30.

Erickson, John R., assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,656,654, Oct. 27.

Erickson, Karl: *See*—
Vastano, Frederick A., Erickson, and St. Jean.

Erickson, Leonard A.: *See*—
Brown, Bernard A., and Erickson.

Erickson, Lennart G., Hillsborough, and K. E. Appert, Atherton Heights, assignors to Lenkurt Electric Co., Inc., San Carlos, Calif. Communication transmission line conductor. 2,637,783, May 5.

Erickson, Lennart G., and K. E. Appert, San Francisco, assignors to Lenkurt Electric Co., Inc., San Carlos, Calif. Remote position-control system. 2,632,871, Mar. 24.

Erickson, Lewis C., assignor to National Iron Company, Duluth, Minn. Mine skip. 2,659,502, Nov. 17.

Erickson, Lowell H.: *See*—
Merrill, Marcellus S., and Erickson.

Erickson, Norman B.: *See*—
Larsen, Merwin J., Anderson, Erickson, and Evett.

Erickson, Reinhold W., Euclid, Ohio, and C. S. Olson, Long Beach, Miss. Clamp for holding dentures. 2,659,146, Nov. 17.

Erickson, Reynold E., Chico, Calif. Insulation cutter. 2,629,422, Feb. 24.

Erickson, Virginius R.: *See*—
Farnsworth, Richard, Erickson, and Webber.
Webber, Charles R., and Erickson.

Erickson, William F.: *See*—
Wallace, De Loss D., and Erickson.

Erico Products, Inc., assignee: *See*—
Neff, Edward B.

Ericson, Albert A., Massapequa Park, N. Y., assignor to The Farmingdale Corporation. Hydraulic machine tool drive. 2,647,371, Aug. 4.

Ericson, Eric A., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,627,564, Feb. 3.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel tank. 2,628,673, Feb. 17.

Ericson, George R., Kirkwood, Mo., assignor to American Car and Foundry Company, New York, N. Y. Rotary plug with sealing sleeve. 2,646,960, July 28.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel feed system. 2,649,051, Aug. 18.

Ericson, George R., Kirkwood, Mo., and R. A. Shields, Bloomsburg, Pa., assignors to American Car and Foundry Company, New York, N. Y. Lubricated valve with lubricant vent. 2,628,808, Feb. 17.

Ericson, George R., Kirkwood, Mo., and R. A. Shields, Bloomsburg, Pa., assignors to American Car and Foundry Company, New York, N. Y. Lubricated valve with lubricant vent. 2,630,294, Mar. 3.

Ericson, Harold L., Chicago, Ill. Supporting device. 2,657,888, Nov. 3.

Ericson, Hilda M., Youngstown, Ohio. Brassière. 2,659,085, Nov. 17.

Ericsson, Arvid I.: *See*—
Childress, William C., and Ericsson.
Crosby, George A., and Ericsson.

Ericsson, Eric A., E. W. Hullegård, and A. C. Jacobaeus, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Pulse amplitude responsive selective. 2,644,932, July 7.

Ericsson, Eric A., Stockholm, A. O. Jörgensen, Traneberg, and S. L. Överby, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Modulation by magnetic control of super conductors. 2,659,868, Nov. 17.

Ericsson, Eric A., and E. A. Wiberg, Stockholm, and E. A. Atterling, Enskede; assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for connection of cables by means of plugs and sockets. 2,664,552, Dec. 29.

Ericsson, Karl E., and E. G. A. Geber, assignors to Aktiebolaget Max Sievert, Sundbyberg, Sweden. Float valve and the like. 2,652,852, Sept. 22.

Ericsson Telephones Limited, assignee: *See*—
Acton, John R.

Ericsson, Valter E., Karlskoga, assignor to Aktiebolaget Bofors, Bofors, Sweden. Aiming device for guns. 2,659,275, Nov. 17.

Erie Manufacturing Co., Inc., assignee: *See*—
Poncher, Harold, and J. E.

Erie Mining Company, assignee: *See*—
De Vaney, Fred D.
Sisco, Carl W.

Erie Resistor Corporation, assignee: *See*—
Heibel, Jerome D.
Steigerwalt, Oliver I., and Oshry.

Eriez Manufacturing Company, assignee: *See*—
Hoff, Ronald C.

Erik, Karl, Sheffield, assignor to G. G. Greene Manufacturing Corporation, Warren, Pa. Broom head and means for removably attaching it to a handle. 2,642,610, June 23.

Erikson, Carl F., White Plains, N. Y., assignor, by mesne assignments, to Nathan Manufacturing Corp. Lubricant distributor. 2,626,015, Jan. 20.

Erikson, Carl F., White Plains, N. Y., assignor, by mesne assignments, to Nathan Manufacturing Corp. Control unit for steam generators. 2,646,751, July 28.

Erikson, Walter H.: *See*—
Eliot, Warner A., and Erikson.

Eriksson, Allan H., assignor to Husqvarna V... Aktiebolag, Huskvarna, Sweden. Spool box ... machines. 2,664,059, Dec. 29.

Eriksson, Erik O.: *See*—
Boestad, Gustav K. W., and Eriksson.

Erkelens, Johannes, Eindhoven, Netherlands, ... Hartford National Bank and Trust Company ... Conn., as trustee. Adjustable impedance, ... adjustable resistors. 2,662,955, Dec. 15.

Erkkila, Andrew, assignor to Independent Loc... Fitchburg, Mass. Flush cylinder tubular ... 2,645,926, July 21.

Erkkila, Andrew, assignor to Independent ... pany, Fitchburg, Mass. Tubular latc... 2,653,046, Sept. 22.

Erkkila, Andrew, assignor to Independent Loc... Fitchburg, Mass. Night latch bolt stop. ... Nov. 3.

Erlanger, Arnold, Elizabeth, N. J., assignor ... States Hoffman Machinery Corporation, ... N. Y. Distribution of supplies to laundr... 2,647,384, Aug. 4.

Erling, Sven J., Nockeby, assignor to Aktiebo... rator, Stockholm, Sweden. Apparatus for ... vacuum currying apparatus. 2,640,218, Jun...

Erling, Sven J., Nockeby, assignor to Aktiebo... rator, Stockholm, Sweden. Currying machi... nection with vacuum systems. 2,648,867, A...

Erimey, Robert E., Wapato, Wash. Grape ho... tractor steering mechanism. 2,662,458, Dec...

Ernest, Fred, Gardena, Calif. Contain... 2,655,403, Oct. 13.

Ernsberger, Maurice L., and J. W. Hill, assign... du Pont de Nemours & Company, Wilmi... Preparation of organic phosphorus compou... particular, of dialkyl phosphites. 2,661,36...

Ernst, Adolf: *See*—
O'Neill, Danfelle, and Ernst.

Ernst, Alfred, Milan, Italy. Apparatus for ... hardness of materials. Re. 23,755, Dec. 22.

Ernst, Charles F., Buffalo, N. Y. Grasp devi... trucks. 2,635,775, Apr. 21.

Ernst, Clare E., Flint, Mich. Process and a... photoelectric engraving. 2,638,500, May 12...

Ernst, Edouard, Zurich, Switzerland. Kit... 2,624,329, Jan. 6.

Ernst, Hans, and A. H. Hawley, Cincinnati, ... ors, by mesne assignments, to the Unite... America as represented by the Secretary o... Continuous aim gun control mechanism. ... Oct. 20.

Ernst, Hans, assignor to The Cincinnati Mill... Co., Cincinnati, Ohio. Hydraulic feed system ... Dec. 1.

Ernst, Henry, Jr.: *See*—
Linn, Norman F., Ernst, and Scott.

Ernst, Max, Nuremberg, Germany. Railway du... about. 2,635,878, Apr. 21.

Ernst, Melvin H., Birmingham, Mich. Scr... micrometer gauge. 2,642,669, June 23.

Ernst, Otto J., Jr., Montague, Mich., assignor ... Metal Studios, Inc., Chicago, Ill. Sign chart... 2,630,644, Mar. 10.

Ernst, Robert, and G. D. Loeff, assignors t... Inc., Los Angeles, Calif. Mixtures of orth... 2,656,372, Oct. 20.

Ernst, Roman J., Detroit, Mich. Lip shield. ... June 9.

Ernst, W. Arthur, Racine, Wis. Drink mix... 2,637,537, May 5.

Ernst, W. Arthur, Racine, Wis. Motorized ... 2,654,847, Oct. 6.

Ernst, Walter: *See*—
Boller, William D., Berkley, Ernst, and L...
Cool, Kenneth A., Hush, Ernst, and Bench...
Holt, Frederick W., Jr., Bench, and Ernst.

Ernst, Walter L., Ann Arbor, Mich. Sign. ... July 21.

Ernstoff, Samuel J., assignee: *See*—
Heller, David.

Errig, William F., Jenkintown, Pa., and E. ... Collingswood, N. J., assignors to Food Ma... Chemical Corporation, San Jose, Calif. ... tial tire slitting tool. 2,638,984, May 19.

Errington, Frederick, London, England, assi... Sperry Corporation, Great Neck, N. Y. Wa... rection-finding apparatus. 2,636,126, Apr.

Ertell, Carl G.: *See*—
Johnson, Walter J., and Ertell.

Erteszek, Olga, Los Angeles, Calif. Disposable ... garment. 2,660,173, Nov. 24.

Erteszek, Olga, Los Angeles, Calif. Foundat... 2,663,871, Dec. 29.

Ertner, Edward W., Chicago, Ill., assignor ... Electric Company, Incorporated, New ... Slack takeup apparatus. 2,648,504, Aug.

Erskine, Archibald M., Berkeley, Calif. Qu... monium naphthenate and making the same ... July 14.

Ervine, William D.: *See*—
Adams, William H., and Ervine.

Erwin, Lee R., Monrovia, and J. B. Griffith, Pasadena, Calif., assignors to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Means and method of controlling refrigeration systems. 2,624,181, Jan. 6.

Erwin, Lee R., Monrovia, and J. B. Griffith, Pasadena, Calif., assignors to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Water cooler. 2,638,751, May 19.

Erwin Loewy, assignee: *See*—
Wood, Frank J.

Erwin Mills, Inc., assignee: *See*—
Harden, Milton R.

Erwin, Wesley S., assignor to General Motors Corporation, Detroit, Mich. Ultrasonic transmission testing. 2,655,035, Oct. 13.

Erwin, Wilhelm, Buenos Aires, Argentina. Perambulator. 2,626,162, Jan. 20.

Erwood, John: *See*—
Sauerman, Ernst C., Hopkins, and Joseph and John Erwood.

Erzer, John K.: *See*—
Cain, Basil S., and Erzer.

Esak, John H., assignor to Haddon Bindery, Inc., Camden, N. J. Apparatus for holding books. 2,653,378, Sept. 29.

Esch, Carlton B., Indianapolis, Ind. Incline miniature railway track. 2,633,301, Mar. 31.

Esche, Kurt G., Chattanooga, Tenn., assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa. Carrier rod control mechanism for knitting machines. 2,627,737, Feb. 10.

Eschenbrenner, Hector X., Columbus, Ohio. Concrete pipe-forming machine, including means for extracting excess fluids by vacuum. 2,625,728, Jan. 20.

Eschenbrenner, Hector X., Columbus, Ohio. Apparatus for molding concrete pipe. 2,641,818, June 16.

Eschenbrenner, Hector X., Columbus, Ohio. Method and apparatus for molding cementitious bodies. 2,655,708, Oct. 20.

Eschenburg, William A., Freeport, Ill., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Work gauge for machine tools. 2,630,845, Mar. 10.

Eschenburg, William A., and D. D. Pettigrew, Milwaukee, Wis., and C. Johnson, South Euclid, Ohio, assignors to Rockwell Manufacturing Company, Pittsburgh, Pa. Power feed mechanism. 2,655,058, Oct. 13.

Escure, Marcel M., Bagneux, France. Lathe attachment for progressively cutting a thread. 2,660,737, Dec. 1.

Eserkaln, Theodore F.: *See*—
Armitage, Joseph B., and Eserkaln.

Eserkaln, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Three-dimensional engraving and the like reproducing machine. 2,626,540, Jan. 27.

Eserkaln, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Machine tool. 2,629,293, Feb. 24.

Eserkaln, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Control system for rotary duplicating machines. 2,629,844, Feb. 24.

Eserkaln, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Milling and the like machine tool. 2,645,163, July 14.

Eserkaln, Theodore F., Wauwatosa, and F. Steinbrecker, assignors to George Gorton Machine Co., Racine, Wis. Adjustable ram for machine tools. 2,658,425, Nov. 10.

Eshelman, Alvin L., Upland, Calif. Article stacking apparatus. 2,637,450, May 5.

Esher, Ray R., Collingdale, Pa. Combined pipe plug receptacle and insulator. 2,628,264, Feb. 10.

Eshner, Allen J.: *See*—
Boydston, Raymond W., and Eshner.

Eshrich, Charles H.: *See*—
Rhinehart, John R., and Eshrich.

Eskew, Stanley F., Fayetteville, W. Va. Protective canopy for travel kitchens. 2,625,165, Jan. 13.

Eskey, Barbara S., Washington, D. C. Reversible bib. 2,635,243, Apr. 21.

Eskimo Pie Corporation, assignee: *See*—
Elwell, Edwin L.
Nelson, Christian K.

Eskin, Samuel G., Pittsburgh, Pa., and A. M. Arkelyan, Los Angeles, Calif., assignors to Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic control device. 2,644,640, July 7.

Eskin, Samuel G., Greensburg, Pa., and R. C. Main, Boston, Mass., assignors to Robertshaw-Fulton Controls Company, Greensburg, Pa. Diaphragm valve control. 2,661,013, Dec. 1.

Eslick, Arthur U.: *See*—
Milby, William R., and Eslick.

Esmay, Margaret L. and P. O., Elmhurst, Ill. Terraced garden. 2,651,143, Sept. 8.

Esmay, Paul O.: *See*—
Esmay, Margaret L. and P. O.

Espenschied, Lloyd, Kew Gardens, and A. M. Skellett, Madison, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic transmission system. 2,640,162, May 26.

Espersen, George A., Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Making incandescent cathodes. 2,663,069, Dec. 22.

Espley, Dennis C.: *See*—
Levy, Maurice M., and Espley.

Espley, Dennis C., North Wembley, assignor to The General Electric Company, Limited, London, England. Switch for high-frequency electrical oscillations. 2,640,878, June 2.

Espley, Dennis C., North Wembley, assignor to The General Electric Company, Limited, London, England. Filter arrangement for combined radio receiving and transmitting systems. 2,640,916, June 2.

Esplin, G. & J., Limited, assignee: *See*—
Bowen, Cyril F.

Esposito, Augustus, Irvington, and A. Galantino, Orange, N. J. Salt and pepper shaker. 2,652,951, Sept. 22.

Esposito, George, Hudson, N. Y., assignor to Universal Match Corporation, St. Louis, Mo. Gripper pad means for cylinder type printing presses. 2,634,678, Apr. 14.

Espy, Melvin P.: *See*—
Gordon, Samuel A., Espy, Cooke, and Gertel.

Esquire Sportswear Company, assignee: *See*—
Lewis, David.

Essary, John L.: *See*—
Evans, Ray, and Essary.

Esselman, Walter H.: *See*—
Eames, William F., and Esselman.

Esselman, Walter H., Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic timer. 2,651,770, Sept. 8.

Esselman, Walter H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator system having speed regulation and position control. 2,643,741, June 30.

Essex Manufacturing Co., Inc., assignee: *See*—
Harris, Eli E.

Essex Products, Inc., assignee: *See*—
Zabriskie, Charles L.

Essex Wire Corporation, assignee: *See*—
Du Rocher, Gideon A.
Mitchell, Wayne T.
Talmadge, Palmer C., Zartman, and Prouty.
Webb, George L., and Loro.

Essig, Sanford F., assignor to Farnsworth Research Corporation, Fort Wayne, Ind. Mounting vacuum tube electrodes. 2,635,391, Apr. 21.

Esslinger, Paul W., assignor to Automatic Benders, Inc., Nampa, Idaho. Pipe bending and straightening machine. 2,661,788, Dec. 8.

Esslinger, Robert, Prophetstown, Ill. Combination gate hinge and lock. 2,648,092, Aug. 11.

Essman, Harold W., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Processing mineral fibers. 2,653,355, Sept. 29.

Estabrook, John Y., Oak Ridge, Tenn., assignor to United Aircraft Corporation, East Hartford, Conn. Tail cone having radially adjustable wall. 2,641,104, June 9.

Estand, Inc., assignee: *See*—
Johnson, Roy W.

Estee, Ralph G.: *See*—
Rounseville, Ellsworth A., and Estee.

Esterbrook Pen Company, The, assignee: *See*—
Klagges, Henry C.

Esterer, Arnulf K.: *See*—
Van Beckum, William G., and Esterer.

Esters, Ernie B., Highland Park, Mich. Core cleaner. 2,648,170, Aug. 11.

Estes, Cameron B., assignor to Eastman Kodak Company, Rochester, N. Y. Film measuring mechanism. 2,632,369, Mar. 24.

Estes, Charles L.: *See*—
Grieg, Donald D., Levine, and Estes.

Estes, Elbert L., Woodburn, Oreg. String wrapping machine. 2,641,084, June 9.

Estes, Margaret A., Victorville, Calif. Animated attachment for record players. 2,660,829, Dec. 1.

Estey, Melvin E., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston sealing ring. 2,652,298, Sept. 15.

Esval, Orland E., Huntington, N. Y., assignor to The Sperry Corporation. Flight control apparatus. 2,627,384, Feb. 3.

Etablissements Ed. Jaeger, assignee: *See*—
Rodanet, Charles H. H.

Etablissements Edgar Brandt, assignee: *See*—
Dumas, Jacques.

Etablissements Edgar Brandt (Societe Anonyme), assignee: *See*—
Ballu, Vincent P. M.

Etablissements G. Decombe, assignee: *See*—
Gazet, Marius.

Etablissements H. Saint-Maurice & Cie, Societe a Responsabilite Limitee, assignee: *See*—
Saint-Maurice, Henri.

Etablissements Marret, Bonnin, Lebel & Guieu, assignee: *See*—
Buffet, Arthur A.

Etablissements Merlin & Gerin, assignee: *See*—
Latour, André.

Etablissements Merlin & Gerin, Societe Anonyme, assignee: *See*—
Viboud, Albert.
Viboud, Albert, and Gras.

Etablissements Neyrpic, assignee: *See*—
Blanchet, Charles.
Danel, Pierre F.
Ponsar, Yves.

Etablissements Paul Duclos, assignee: *See*—
Ferrari, Jacques.
Galin, Marc.

"Etablissements Poron," assignee: *See*—
Airic, Gustave C. A.

Etat Français (Ministere de la Defense Nationale) Representé par Monsieur l'Ingenieur en Chef, Directeur du Laboratoire Central des Poudres, assignee: *See*—
Desseigne, Gerard.

Etc Inc., assignee: *See*—
Brump, Herbert L.

Etc., Inc., assignee: *See*—
Foster, Cyril J.

Etchason, Paul T., and H. F. Jones, Fort Wayne, Ind., assignors to General Electric Company. Oxygenated polymerizable esters as cure accelerators and as co-polymerizable materials. 2,628,210, Feb. 10.

Etched Products Corporation, assignee: *See*—
Adler, Edward, and Chiesa.
Penker, Ernest.

Etchen, Fred L., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Fabric cutter guard. 2,627,657, Feb. 10.

Etcheverry, John P.: *See*—
Morgan, William H., and Etcheverry.

Etchison, Floyd W., assignee: *See*—
Richardson, Vernon C. H.

Eternit A.-G., assignee: *See*—
Herzog, Carl.

Etherington, Lewis D., Bayonne, N. J., assignor to Standard Oil Development Company. Adsorption-fractionation process. 2,633,207, Mar. 31.

Etherton, Murray D., Kirkwood, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Metering pin for aircraft landing gear. 2,655,232, Oct. 13.

Ethicon Suture Laboratories Incorporated, assignee: *See*—
Davis, Herbert L., and Bloch.
Henderson, John, Bloch, and Davis.

Ethyl Corporation, assignee: *See*—
Baldwin, Franklin H.
Beste, George W., Tanner, and Shapiro.
Calingaert, George.
Carlisle, James V.
Dunn, James H., Neher, and Trotter.
Furr, John B., and Neher.
Governale, Luke J., Horn, and O'Connell.
Grandjean, William B.
Hill, Eugene F.
Hill, Eugene F., and De Pree.
Hill, Eugene F., and Osip.
Hill, Eugene F., and Welp.
Hinkamp, James B.
Hodge, Benjamin E.
Humphreys, David D.
Ligett, Waldo B.
Ligett, Waldo B., Closson, and Wolf.
Ligett, Waldo B., Wolf, and Closson.
Miller, Leo A., Dunn, and Neher.
Neher, Clarence M., Padgitt and Weimer.
Padgitt, Frank L.
Shapiro, Hymin, and De Witt.
Tanner, Homer M.

Etienne, Alfred, assignor to l'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Cold separation of gaseous mixtures. 2,653,455, Sept. 29.

Etling, Betty J., trustee, assignee: *See*—
Etling, Harold A.

Etling, Harold A., assignor of twenty-fortieths to B. J. Etling, five-fortieths to B. J. Etling as trustee for T. D. Etling, five-fortieths to B. J. Etling as trustee for H. A. Etling, five-fortieths to B. J. Etling as trustee for M. A. Etling, and one-fortieth to J. C. Etling, all of Marshallville, Ohio. Window construction. 2,652,602, Sept. 22.

Etling, Harold A., Marshallville, Ohio. Inwardly swingable, vertically slidable window construction. 2,652,603, Sept. 22.

Etling, Jefferson C., assignee: *See*—
Etling, Harold A.

Etling, Milissa A., assignee: *See*—
Etling, Harold A.

Etling, Terry D., assignee: *See*—
Etling, Harold A.

Etnyre, George M., Oregon, Ill. Distributor for bituminous and like material. 2,629,629, Feb. 24.

Etra, Bernard and I., Brooklyn, N. Y. Corrugated carton. 2,663,490, Dec. 22.

Etra, Irving: *See*—
Etra, Bernard and I.

Ettco Tool Co., Inc., assignee: *See*—
Irrgang, Louis.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Clothes wringer. 2,638,768, May 19.

Ettmüller, Walter, Zurich, Switzerland. Erasure-debris collecting device on typewriters and like machines. 2,653,695, Sept. 29.

Etzkorn, Walter V., Oakland, Calif. Luminous body. 2,644,113, June 30.

Eubanks, Arnold J., Oakhill, Ohio. Steering device for farm wagons. 2,651,526, Sept. 8.

Eubanks, William M., Sr., Augusta, Ga. Adju
and leg rest. 2,630,288, Mar. 3.

Euclid Road Machinery Co., The, assignee: *See*
Armington, George E.
Armington, Raymond Q.
Armington, Raymond Q., and Double.
Armington, Raymond Q., and Klun.
Hawkins, Paul E.
Peller, Henry A.
Schindler, Harold C.

Eudy, Fluta H., Fairfield, Calif. Reinforc
2,646,572, July 28.

Euler, Frederick J., Jr.: *See*—
Collins, Zane L., and Euler.

Euler, George M., Schenectady, N. Y., assignor
Electric Company. Thermal type overlo
breaker. 2,638,737, May 19.

Euler, George M., and E. A. Desautels, Schenect
assignors to General Electric Company. Swi
mechanism. 2,646,478, July 21.

Eull, Fred F., assignor to W. W. Tufford, San D
Removable seat cover. 2,625,210, Jan. 13.

Eureka Rubber Co. (North) Limited, assignee:
Woodward, James M.

Eureka Williams Corporation, assignee: *See*—
Backlund, John R., and Flanders.
Hammell, Kemper M.
Kunkler, Harry G.
Osborn, Ralph C.
Witherell, Robert R.

Eurell, Thomas J., II, assignee: *See*—
Reed, Maurice J.

Euson, John G.: *See*—
Skolmen, Torger, Roberts, and Euson.

Euwer, Herbert D., Kirkwood, Mo., assignor to
Car and Foundry Company, New York, N. Y.
train water supply system. 2,630,078, Mar

Euwer, Herbert D., Kirkwood, Mo., and H. G.
Fort Lee, N. J., assignors to American Car an
Company, New York, N. Y. Railway train.
Aug. 11.

Evanoff, Boreece, Oak Creek, Colo. Chain saw
device. 2,643,553, June 30.

Evans, Arthur G., Canton, Ill., assignor to In
Harvester Company. Earth-working
2,624,962, Jan. 13.

Evans, Carl L., assignee: *See*—
Baumann, Gottlieb W.

Evans Case Co., assignee: *See*—
Reilly, Alfred F., Jr., and Larsen.

Evans, Charles S., Atherton, assignor to Calnet
Incorporated, Oakland, Calif. Venetian blind
2,636,522, Apr. 28.

Evans, Charles S., Atherton, Calif. Bed clothi
2,646,578, July 28.

Evans, Charles T., Jr.: *See*—
Constantine, Leonard R., Evans, and Der

Evans, Clarence T.: *See*—
Douglas, John F. H., and Evans.

Evans & Co. Inc., assignee: *See*—
Evans, John J.

Evans Components Co. Limited, assignee: *See*—
Lerner, Henry C., and Neuschül.

Evans, Cyril D.: *See*—
Cowan, John C., and Evans.
Schwab, Arthur W., Cooney, and Evans.
Schwab, Arthur W., Evans, and Cooney.

Evans, Cyril D., J. C. Cowan and A. W. Schw
Ill., assignors to the United States of Americ
sented by the Secretary of Agriculture. S
of glyceride oils with oxydialkanoic acids.
July 14.

Evans, Cyril G.: *See*—
Gordon, James E., and Evans.

Evans, Cyril G., Sandhurst, and A. Baker, Fa
assignors to Minister of Supply in His Majest
ment of the United Kingdom of Great B
Northern Ireland, London, England. Pro
articles from synthetic resinous materials.
May 19.

Evans, Cyril G., Farnborough, and P. H. H. B
port, assignors to Minister of Supply in Hi
Government, London, England. Production
resinous material. 2,640,797, June 2.

Evans, Cyril H., Cambridge, assignor to Adda
London, England. Production of chlorin
2,654,656, Oct. 6.

Evans, Douglas: *See*—
Matthews, John B., Evans, Carswell, and
Matthews, John B., Evans, Hutton, and C

Evans, Douglas C.: *See*—
Gasser, Oswald V., and Evans.

Evans, Douglas N., Gary, Ind., assignor to I
Company. Valve. 2,625,362, Jan. 13.

Evans, E. R. and J. H. W., Hamilton, Ontar
Sawing machine. 2,632,939, Mar. 31.

Evans, Edward M., Tonbridge, S. E. Bradshaw
Wells, England, and J. E. S. Whitney, Pena
assignors to British Resin Products Limite
England. Copolymers of vinyl phenols w
oils. 2,647,876, Aug. 4.

Evans, Edward M., and J. E. S. Whitney, Tonbridge, assignors to British Resin Products Limited, London, England. Etherification of vinyl phenol polymers and copolymers. 2,647,882, Aug. 4.

Evans, Edward M., Tonbridge, England, and J. E. S. Whitney, Penarth, Wales, assignors to British Resin Products Limited, London, England. Copolymers of vinyl phenols with butadiene compounds. 2,647,883, Aug. 4.

Evans, Emanuel E., assignee: *See*—
Gordon, Harold L.

Evans, Fraser M.: *See*—
Brook, Kenneth, and Evans.

Evans, Fraser M., assignor to C. A. V. Limited, Acton, London, England. Liquid fuel pump. 2,657,631, Nov. 3.

Evans, Fraser M., Acton, London, and W. E. W. Nicolls, Pinner, assignors to C. A. V. Limited, London, England. Liquid fuel injection pump for internal-combustion engines. 2,640,419, June 2.

Evans, George M., Tucson, Ariz. Automobile safety ignition lock. 2,632,067, Mar. 17.

Evans, George P., Hellam, Pa. Anchor davit. 2,661,711, Dec. 8.

Evans, George S.: *See*—
Laidig, Alfred H., and Evans.

Evans, George W., Jr., Teaneck, N. J., assignor to The Lummus Company, New York, N. Y. Detecting leakage between heat transfer fluids. 2,658,728, Nov. 10.

Evans, George W., Jr., Teaneck, and W. E. Brockel, Verona, N. J., assignors to The Lummus Company, New York, N. Y. Condenser deaerator. 2,663,547, Dec. 22.

Evans, Glen L., Inc., assignee: *See*—
Evans, Glen L.

Evans, Glen L., assignor to Glen L. Evans, Inc., Caldwell, Idaho. Merchandise package. 2,624,502, Jan. 6.

Evans, H. C., & Company, assignee: *See*— ..
Andres, Lloyd J.

Evans, Harold, Niagara Falls, Ontario, Canada. Sawing machine for stone and hard plastic material. 2,657,680, Nov. 3.

Evans, Harold D., assignor of one-half to H. L. Evans, Kansas City, Mo., and one-half to said H. D. Evans, as joint tenants. Garment support. 2,645,355, July 14.

Evans, Harry D.: *See*—
Thomas, Samuel B., and Evans.

Evans, Helen L., assignee: *See*—
Evans, Harold D.

Evans, Herman B., U. S. Navy. Finger control attachment wrench. 2,657,603, Nov. 3.

Evans, Homer R., Silver Spring, Md. Adjustable leg for beds and the like. 2,638,607, May 19.

Evans, James E., Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Process and apparatus for reacting gaseous media in the presence of hot contact material. 2,661,322, Dec. 1.

Evans, James W., Highland, Ind., assignor to General Mills, Inc. Flavoring composition. 2,641,547, June 9.

Evans, John, Blawenburg, N. J., assignor to Radio Corporation of America. Color television system. 2,638,499, May 12.

Evans, John E., Oak Hill, Ohio, and F. E. Rieke, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Generator coupling circuit. 2,658,148, Nov. 3.

Evans, John E., Houston, Tex., R. C. Fletcher, Cambridge, and F. F. Rieke, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron tube with cavity resonator. 2,658,165, Nov. 3.

Evans, John H. W.: *See*—
Evans, E. R. and J. H. W.

Evans, John J., Union, assignor to Evans & Co. Inc., Newark, N. J. Tape ruler. 2,636,694, Apr. 28.

Evans, John L., South River, and D. D. Micucci, New Brunswick, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dilute alkali dispersible hot melt bookbinding adhesives. 2,657,187, Oct. 27.

Evans, John R., Fort Wayne, Ind. Spare tire and wheel carrier. 2,661,130, Dec. 1.

Evans, John R., L. E. Elkins, and L. H. Klinzing, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Marine drilling. 2,637,978, May 12.

Evans, Leon M., Houston, Tex., assignor to The Texas Company, New York, N. Y. Recording viscosimeter. 2,660,885, Dec. 1.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Subterranean retorting of shales. 2,630,306, Mar. 3.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Gaseous fuel production. 2,662,005, Dec. 8.

Evans, Martin E., Brooklyn, N. Y. Motion-picture apparatus and method. 2,661,652, Dec. 8.

Evans, Milton L., Miami, Fla. Cylindrical sandwich toaster. 2,640,905, June 2.

Evans Products Company, assignee: *See*—
Bridge, William O.
Nampa, Sulo M.

Evans, Randolph, Bronxville, N. Y. Bathroom construction. 2,650,368, Sept. 1.

Evans, Ray, and J. L. Essary, Knoxville, Tenn. Portable shower attachment. 2,638,382, May 12.

Evans, Raymond B.: *See*—
Kunze, Walter G., and Evans.

Evans, Robert L., Indianapolis, Ind., assignor to Western Electric Company, Incorporated, New York, N. Y. Arc welding apparatus. 2,632,081, Mar. 17.

Evans, Ronald M., Ickenham, and J. H. Chapman, Ruislip, assignors to Glaxo Laboratories Limited, Greenford, England. New unsaturated carbinols and preparing same. 2,655,548, Oct. 13.

Evans, Sidley O., Beaver Falls, Pa., assignor, by mesne assignments, to The Babcock & Wilcox Company, Jersey City, N. J. Rotary swager with axially progressive die action. 2,642,762, June 23.

Evans, Sydney G., Sydney, New South Wales, Australia. Skirt straightener. 2,632,617, Mar. 24.

Evans, Thomas: *See*—
Cox, Bradley G., and Evans.

Evans, Thomas C., Russell, Kans. Safety stirrup. 2,641,883, June 16.

Evans, Vernon P.: *See*—
Higgins, Edward N., and Evans.

Evans, Vincent J., Lakewood, Ohio, assignor to The Wilcolator Company, Elizabeth, N. J. Indicator system for gas heated appliances. 2,641,750, June 9.

Evans, Vincent J., Lakewood, Ohio. Calibrator for thermostats. 2,658,380, Nov. 10.

Even-Pul Foundations, Inc., assignee: *See*—
Lo Cascio, Jack J.

Evensen, Carl: *See*—
Senn, Arthur L., Gould, Evensen, and Senn.

Evenson, Christopher B., Cottage Grove, Oreg. Hydraulic wedge. 2,657,904, Nov. 3.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Self-propelled wheel chair. 2,643,898, June 30.

Everett, Arthur C., Brighton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container filling machine. 2,631,769, Mar. 17.

Everett, Arthur C., Brighton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Bottle labeling machine. 2,657,816, Nov. 3.

Everett, Charles E., and D. E. McCuaig, assignor to The Massey-Harris Company, Racine, Wis. Table for corn forage harvesters. 2,636,329, Apr. 28.

Everett, Franklin L., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Breaker mechanism for deferred action batteries. 2,656,401, Oct. 20.

Everett, Luther M., Sr., assignor to Better Monkey Grip Company, Dallas, Tex. Patching automobile inner tubes. 2,638,961, May 19.

Everett, Rufus B., Sr., Memphis, Tenn. Scaffold. 2,632,676, Mar. 24.

Everglades Protective Syndicate, Inc., assignee: *See*—
Doherty, Thomas J., and Curl.

Everhart, Edgar, Cambridge, and R. Bogrow, Brookline, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Tunable strapped magnetron. 2,624,862, Jan. 6.

Everhart, Edgar, and M. A. Herlin, Cambridge, A. G. Smith, Boston, and W. V. Smith, Medford, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron circuit. 2,639,404, May 19.

Everhart, Edgar, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron anode structure. 2,653,275, Sept. 22.

Everhart, John L.: *See*—
Smith, Albert A., Jr., and Everhart.

Everhart, Marcel L., Washington, D. C. Bottle dispensing cabinet. 2,628,874, Feb. 17.

Evering, Bernard L.: *See*—
Lien, Arthur P., and Evering.
Peters, Edwin F., and Evering.

Everitt, Philip F., Seven Kings, and J. Keeble, Ilford, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Sextant. 2,652,976, Sept. 22.

Evers, Edward A., Los Angeles, Calif. Fireplace screen and hanger. 2,664,154, Dec. 29.

Evers, Frank P., Los Angeles, Calif. Tight wire rigging. 2,646,280, July 21.

Evershed & Vignoles Limited, assignee: *See*—
Marchment, William T.

Eversman, Carl A., Lorain, Ohio. Auxiliary foot accelerator device. 2,658,411, Nov. 10.

Everson, Roy B., Chicago, Ill. Means for mixing and feeding chlorine gas. 2,637,690, May 5.

Everson, Roy B., Chicago, Ill. Means for direct feed automatically proportioning of chlorine gas. 2,647,083, July 28.

Eves, Joseph R.: *See*—
Tillyer, Edgar D., and Eves.

Eves, Joseph R., assignor to American Optical Company, Southbridge, Mass. Device for testing impact resistance of frangible articles. 2,648,975, Aug. 18.

Evett, Arthur F.: *See*—
Larsen, Merwin J., Anderson, Erickson, and Evett.

Ewald, Edwin, assignor to Automotive Appliance Company, Detroit, Mich. Escutcheon for doors. 2,651,537, Sept. 8.

Ewald, George W., Short Hills, assignor to Keuffel & Esser Company, Hoboken, N. J., and Martin Fabrics Corporation, New York, N. Y. Tape. 2,648,118, Aug. 11.

Ewald, Raymond L., and H. A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg. Mechanism for peeling the stem indents of fruit. 2,649,879, Aug. 25.

Ewald, Raymond L., and H. A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg. Mechanism for processing fruit. 2,649,880, Aug. 25.

Ewart, John C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Die boring machine. 2,635,488, Apr. 21.

Ewart, Kennyth L., Cuyahoga Falls, Ohio. Integral one-piece wheel. 2,631,897, Mar. 17.

Ewell, Joseph R.: *See*—
Cartter, William G., and Ewell.

Ewell, Itobert B., Berkeley, assignor to Shell Development Company, Emeryville, Calif. Conversion of hydrocarbon oils. 2,663,675, Dec. 22.

Ewers, Franklin J., Seattle, Wash. Tricycle attachment device. 2,630,334, Mar. 3.

Ewers, Mitchell H., B. F. Haney, and T. E. Ewers, Grants Pass, Oreg. Grading or dozing device. 2,629,946, Mar. 3.

Ewers, Theodore E.: *See*—
Ewers, Mitchell H., Haney, and Ewers.

Eweson, Karl F., New York, N. Y. Apparatus for making organic fertilizer. 2,633,412, Mar. 31.

Eweson, Karl F., New York, N. Y. Apparatus for making organic fertilizer. 2,633,413, Mar. 31.

Ewing, Albert L., Stephenville, assignor to R. C. Wood, Graham, Tex. Portable food and beverage container. 2,624,451, Jan. 6.

Ewing, Alvin L., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for advancing and processing strands. 2,659,225, Nov. 17.

Ewing Development Company, assignee: *See*—
Ewing, Walkley B.

Ewing, Henry, Spondon near Derby, England, assignor to British Celanese Limited. Stripping of bobbins. 2,663,926, Dec. 29.

Ewing, John F., and M. J. Brosious, Lewistown, Pa., assignors to American Viscose Corporation, Wilmington, Del. Cake stripping bobbin. 2,625,334, Jan. 13.

Ewing, Walkley B., assignor to Ewing Development Company, Grand Rapids, Mich. Means for anchoring screening. 2,630,170, Mar. 3.

Ewing, Walkley B., assignor to Ewing Development Company, Grand Rapids, Mich. Stileless screen mounting. 2,632,507, Mar. 24.

Ewing, William M., Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Carbon paper. 2,626,884, Jan. 27.

Excell, Arthur W., Thornton Heath, assignor to Powers-Samas Accounting Machines Limited, London, England. Record card controlled sensing and printing means. 2,659,302, Nov. 17.

Ex-Cell-O Corporation, The, assignee: *See*—
Alden, Carroll R.
Dixon, Charles H.
Lewis, Arthur J.
Mathys, Max A.
Monroe, Charles Z.
Sanford, Roy S.
Seyferth, Harold N.
Snader, Ira J.
Wellstein, Wilhelm.

Exline, James A., Jr., Miamisburg, Ohio. Forming die. 2,642,916, June 23.

Exner, John D.: *See*—
Morris, Charles A., and Exner.

Expellid Corporation, assignee: *See*—
Noyes, Harold M.

Experiment Incorporated, assignee: *See*—
Mullen, James W., II, and Fenn.

Exton, Fred W., assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Tank fill connection. 2,647,768, Aug. 4.

Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.

Extruders, Inc., assignee: *See*—
Kress, Richard G.

Eyeleshimer, Ralph W., Troy, assignor to Beamit Mills, Inc., New York, N. Y., Platform ramp. 2,644,180, July 7.

Eyelet Specialty Company, The, assignee: *See*—
Hopgood, Robert B.
Isele, Louis E.

Eyerly, Frank: *See*—
Rickel, Carl W., and Eyerly.

Eyler, Roy I., assignor to Landis Machine Company, Waynesboro, Pa. Machine tool and operating circuit therefor. 2,655,670, Oct. 20.

Eyster, Aden I., Seven Valleys, Pa. Tape measure. 2,645,856, July 21.

Ezee Flow Corporation, assignee: *See*—
Ajero, Fortunato S.
Juzwiak, Edmond A.

Ezell, Claude, & Associates, Inc., assignee: *See*—
Reynolds, Albert H.

Ezell Fruit Company, assignee: *See*—
Ezell, James B., and Tucker.

Ezell, James B., and J. G. Tucker, Jr., assignors to Ezell Fruit Company, Bradenton, Fla. Material handling device. 2,626,070, Jan. 20.

Ezr, Karel, assignor to Tesla, Narodni Podnik, Prague, Czechoslovakia. Signal responsive driving or follow-up device. 2,659,847, Nov. 17.

Ezzy, Maron J., and E. F. Bannon, Machias, Maine. Sign holder for parking meters. 2,639,527, May 26.

F. Aug., Honneknovel, assignee: *See*—
Mannes, Günter.

FKG Fritz Kesselring Geratebau, Aktiengesellschaft, assignee: *See*—
Wettstein, Erwin.

FR Corporation, The, assignee: *See*—
Barth, Robert M.

Faatz, Albert C., Jr.: *See*—
Benedict, Manson, Faatz, and Woebcke.

Fabaron, Paul F., Mercus Garrabet, assignor to Societe pour l'Exploitation de Procedes de Fabrication de Produits Electro-Chimiques et Electro-Metallurgiques Industriels, Paris, France. Manufacture of manganese. 2,664,351, Dec. 29.

Fabel, Fred P., Buffalo Lake, Minn. Servicing cart for baby chick batteries. 2,657,936, Nov. 3.

Faber, Guy S., Chicago, Ill. Propeller for fluid. 2,649,921, Aug. 25.

Fabing, Willard E.: *See*—
Fink, Herbert H., and Fabing.

Fabric Fire Hose Company, assignee: *See*—
Cole, Charles S.

Fabrique d'Horlogerie Chs Tissot & Fils S. A., assignee: *See*—
Galley, Fritz.

Fabrique d'Horlogerie de Fontainemelon S. A., assignee: *See*—
Von Aesch, Otto.

Fabula, Andrew: *See*—
Margles, Samuel G., and Fabula.

Fachman, Leroy F., Port Clinton, Ohio. View-finder attachment for cameras. 2,640,777, June 2.

Factor, Max, & Co., assignee: *See*—
Crane, Walton B.

Fadex Foreign Trading Corporation, assignee: *See*—
Kramer, Ferdinand.

Fadner, Glenn R., Oshkosh, Wis., assignor to Electrolux Corporation, Old Greenwich, Conn. Toolholder for tank type vacuum cleaners. 2,649,606, Aug. 25.

Faelten, Carl R., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Moisture resistant compositions of resins and fibrous fillers. 2,627,297, Feb. 3.

Fafnir Bearing Company, The, assignee: *See*—
Cooper, Stanley M.
Potter, Howell L.
Reynolds, Harry R.
Van Dorn, Horace B.

Fagal, Frederick W.: *See*—
Clark, Edward B., and Fagal.

Fagelston, Isaac: *See*—
Taylor, James, Hutchison, and Fagelston.

Fageol, R. D., Company, assignee: *See*—
Fageol, Robley D.

Fageol, Robley D., assignor to R. D. Fageol Company, Detroit, Mich. Pressure actuated transmission control unit. 2,634,709, Apr. 14.

Fageol, Robley D., assignor to R. D. Fageol Company, Detroit, Mich. Speed responsive governor for internal-combustion engines. 2,651,316, Sept. 8.

Fagg, Howard, and G. Starrett, assignors to Hunter Douglas Corporation, Riverside, Calif. Reel for strip material. 2,625,339, Jan. 13.

Fagg, Leo W., and D. O. Johnson, assignors to Johnson-Fagg Engineering Company, Tulsa, Okla. Dynamometer apparatus. 2,659,233, Nov. 17.

Fahey, Edward W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg handling device. 2,636,624, Apr. 28.

Fahey, Edward W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg handling apparatus. 2,637,435, May 5.

Fahey, Edward W., assignor to Shellmar Products Corporation, Chicago, Ill. Egg handling appaeatus. 2,637,458, May 5.

Fahey, Edward W., Chicago, Ill., and G. S. Wolf, New York, N. Y., assignors to General Package Corporation. Continuous-feed egg room equipment. 2,659,473, Nov. 17.

Fahey, Richard J., Evanston, assignor to Shellmar Products Corporation, Chicago, Ill. Carton setup machine. 2,639,648, May 26.

Fahey, Richard J., Evanston, Ill., assignor to General Package Corporation. Carton setup machine. 2,659,279, Nov. 17.

Fahey, Richard J., Evanston, and M. Burger, Morris, Ill., assignors to General Package Corporation. Carton handling and loading apparatus. 2,652,960, Sept. 22.

Fahlstrom, Verne, Chehalis, Wash. Cotter pin tool. 2,631,363, Mar. 17.

Fahnoe, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Process for preparing propargyl aldehyde dimethyl acetal. 2,624,765, Jan. 6.

Fahnoe, Frederick, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Automatic high-pressure valve. 2,648,347, Aug. 11.

Fahnoe, Harold H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Indicating fuse. 2,648,738, Aug. 11.

Fahnoe, Harold H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-voltage fuse. 2,656,435, Oct. 20.

Fahnoe, Harold H., Wilkinsburg, and W. J. Paxton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,640,128, May 26.

Fahrenbach, Marvin J., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Synthesizing pteridines. 2,654,755, Oct. 6.

Fahringer, Victor T., Clarksville, Va., assignor to Robbins Mills, Inc., New York, N. Y. Apparatus for detecting irregularities in web and strand material. 2,636,951, Apr. 28.

Fabringer, Victor T., Clarksville, Va., assignor to Robbins Mills, Inc., New York, N. Y. Irregularity detecting apparatus for web and strand material. 2,636,952, Apr. 28.

Fahrney, Delmer S., U. S. Navy. Apparatus for remote control bombing. 2,649,262, Aug. 18.

Fahrni, Fred, Zurich, Switzerland. Composite wooden board. 2,642,371, June 16.

Failing, George E., Supply Company, The, assignee: *See*—
Alexander, Emmett L.
Failing, George E.

Failing, George E., assignor to George E. Failing Supply Company, Enid, Okla. Elevator grapple. 2,644,713, July 7.

Failing, George E., assignor to The George E. Failing Supply Company, Enid, Okla. Breakout table. 2,657,908, Nov. 3.

Failla, Gioacchino, New York, and H. H. Rossi, Orangeburg, N. Y., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation measuring device. 2,659,826, Nov. 17.

Failor, Charles W.: *See*—
Cadman, Ira F., and Failor.

Failor, Charles W., Forest Hills, and C. B. Shields, Penn Township, Allegheny County, Pa., assignors to Westinghouse Air Brake Company. Centralized traffic control system for railroads of the normally deenergized reversible coded track circuit type, including outlying track switch protection. 2,647,987, Aug. 4.

Failor, Ralph J., Akron, Ohio. Carrier for containers. 2,650,128, Aug. 25.

Fain, Jacob M.: *See*—
Snell, Chester A., Fain, and De Rosa.

Fair, William F., Jr., Cranford, N. J., assignor to Koppers Company, Inc. Coating metal articles with bituminous materials. 2,628,173, Feb. 10.

Fairbairn, Alasdair W.: *See*—
Cheney, Harry A., Fairbairn, and Davis.

Fairbairn, George C., and H. M. Putnam, Jr., Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Feed indicator for liquid pumps. 2,629,089, Feb. 17.

Fairbairn, Joseph B., Shreveport, La. Window ventilator. 2,663,245, Dec. 22.

Fairbank, Murry N.: *See*—
Wolff, Otto E., and Fairbank.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Processing apparatus for radiation detection devices. 2,624,253, Jan. 6.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Film spool-holding means. 2,630,050, Mar. 3.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Camera shutter mechanism. 2,638,825, May 19.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Film holder for self-developing cameras. 2,638,826, May 19.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Photoflash gun. 2,646,672, July 28.

Fairbank, Murry N., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Combined shutter and diaphragm mechanism for cameras. 2,662,457, Dec. 15.

Fairbanks, Henry N., assignor to Eastman Kodak Company, Rochester, N. Y. Sprocket enclosing system. 2,639,147, May 19.

Fairbanks, Jerry B., Los Angeles, Calif. Picture and sound synchronizing method and system. 2,649,016, Aug. 18.

Fairbanks, Jerry B., Los Angeles, Calif. Tripod mechanism. 2,661,672, Dec. 8.

Fairbanks, Morse & Co., assignee: *See*—
Brauer, Otto H.
Klinger, Stuart D.
Lindau, Fred I., and Glazebrook.
Mackay, Thomas R., and Angel.
Schowalter, Clarence H.
Thorsen, Thorvald L.
Tinker, Walter H.
Tinker, Walter H., and Weber.
Weber, Henry C.

Fairbanks, Paul L.: *See*—
Sundstrom, Carl, and Fairbanks.

Fairburn, Ethel I.: *See*—
Weisblat, David I., and Fairburn.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Boyajean, John A., Jr.
Doyle, Irving W.
Hale, Henry E.
Moore, David W., Jr.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Brader, Stanley F.
Parsons, George B., and Depew.
Yujuico, Pedro S., and Stoner.

Fairclough, Roy.: *See*—
Conway, Hugh G., Orloff, and Fairclough.

Fairest, Derek H.: *See*—
Fairest, Morgan and D. H.

Fairest, Morgan, assignor to Morgan Fairest Limited, Sheffield, England. Feed mechanism. 2,638,201, May 12.

Fairest, Morgan and D. H. Sheffield, England. Labeling machine. 2,635,765, Apr. 21.

Fairest, Morgan, Limited, assignee: *See*—
Fairest, Morgan.

Fairey Aviation Company Limited, The, assignee: *See*—
Bailey, Archie T.
Barlow, Alfred C., Carpenter, Cameron, and Griffith.
Bennett, James A. J., and Forsyth.
Ebel, Francis L., and Maisey.

Fairfield, Hugh J., Winnipeg, Manitoba, Canada. Apparatus for oiling fabrics prior to reduction to fiber. 2,646,774, July 28.

Fairfield Paper and Container Company, The, assignee: *See*—
Finkbone, Burl E.

Fairforest Company, assignee: *See*—
King, Joseph C.

Fairhurst, John T. and W., Forest Hills, N. Y. Sliding partition. 2,657,436, Nov. 3.

Fairhurst, Walter: *See*—
Farhurst, John T. and W.

Fairless, Stanley J., Brandon Colliery, England. Pouring attachment for use with liquid containers. 2,634,891, Apr. 14.

Fairmount Glass Works, Inc., assignee: *See*—
Wooling, John L.
Schmitter, Walter P.

Fairmont Railway Motors, Inc., assignee: *See*—
McDonald, Neil J.
Templeton, Herbert W.

Fairstein, Edward, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Voltage supply regulator. 2,643,360, June 23.

Faith, Herman E., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Preparation of 2-halogenated tetrahydrothiophene 1,1-dioxides. 2,656,362, Oct. 20.

Falcettoni, John B., Kersey, assignor to Speer Carbon Company, St. Marys, Pa. Connection for carbon brushes. 2,631,252, Mar. 10.

Falck, Håkan F., Enskede, Sweden. Device for depositing thin metallic layers. 2,630,780, Mar. 10.

Falco, Elvira A.: *See*—
Hitchings, George H., and Falco.
Hitchings, George H., Russell, and Falco.

Falcon Fasteners, Inc., assignee: *See*—
Newman, Leopold.

Falcon, William V., Revere, Mass. Fuel pump. 2,641,196, June 9.

Falcone, Pasquale, Bronx, N. Y. Knife. 2,632,949, Mar. 31.

Falcone, Raymond J.: *See*—
Radeloff, Sidney P., and Falcone.

Falconer, David G., Berkeley, Calif. Ruling pencil. 2,629,932, Mar. 3.

Falconer, Robert W., Lancaster, N. Y., assignor to Daystrom Incorporated, Elizabeth, N. J. Tube delivery apparatus. 2,661,099, Dec. 1.

Falconer, Stuart A., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Float removal device for rotatable type heavy-media separators. 2,624,461, Jan. 6.

Falconi, Ugo, assignor to Officine Meccaniche Ceruti S. A., Milan, Italy. Universal reaming machine. 2,648,237, Aug. 11.

Faler, John A., Farmington, assignor to Kolene Corporation, Detroit, Mich. Metal cleaning method. 2,635,064, Apr. 14.

Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Headlight bezel ring mounting. 2,647,984, Aug. 4.

Falge, Robert N., and D. P. Clayton, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Electrical connector having a spring-biased line terminal. 2,640,970, June 2.

Falk Corporation, The, assignee: *See*—
Falk, Louis W.
Nolde, Arthur H., and Guagliardo.
Schmitter, Walter P.
Thomas, Richard J.

Falk, Gerhard E. A., Hamburg, Germany. Photographic method for making geographic maps. 2,650,517, Sept. 1.

Falk, Harold W., Minneapolis, Minn. Door latch. 2,636,761, Apr. 28.

Falk, Louis W., assignor to The Falk Corporation, Milwaukee, Wis. Yieldable power transmission. 2,639,624, May 26.

Falk, Max, assignee: *See*—
Glauber, Henry.

Falk, Olaf, Oslo, Norway, assignor to Askania-Werke Aktiengesellschaft, Berlin, Friedenau, Germany. Apparatus for measuring the level of liquids. 2,657,577, Nov. 3.

Falkenberg, Douglass R., Lakewood, Ohio. Cushioning bumper. 2,660,751, Dec. 1.

Falkenburg, Lee B.: *See*—
Cowan, John C., Falkenburg, and Lewis.

Falkenhagen, John C., assignor to G. L. Nadell, Chicago, Ill. Hydraulic lift trailer. 2,648,546, Aug. 11.

Falkenthal, Erwin E., Berlin-Dahlem, Germany. Photovoltaic cell. 2,643,277, June 23.

Falkner, Carl G.: *See*—
Goodbar, Mayo A., Placke, and Falkner.

Failla, Fernando, Maplewood, N. J., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Air heater mounted in the convection section of furnaces. 2,655,138, Oct. 13.

Fallert, Clifford D., St. Louis County, and W. C. George, assignors to Gaylord Container Corporation, St. Louis, Mo. Master shipping container. 2,656,089, Oct. 20.

Fallgatter, Marvin B., Piedmont, and K. E. Hallikainen, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Measurement of water vapor in gases. 2,654,242, Oct. 6.

Fallin, Thomas U.: *See*—
Justiss, Marcus D., and Fallin.

Fallon, John E., Huntington Park, assignor, by mesne assignments to Barclay Pharmaceutical Products Company, Inc., Pasadena, Calif. Hygienic syringe. 2,649,089, Aug. 18.

Famous Bathrobe Co., Inc., assignee: *See*—
Stern, Murray M.

Fancher, Llewellyn W.: *See*—
Peer, Kenneth C., and Fancher.

Fancher, Otis E.: *See*—
Stauffer, Dale A., and Fancher.

Fang, James C., Sharon Hill, Pa., and W. Bergmann, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of Pechmann dye. 2,640,837, June 2.

Fann, James D., Houston, Tex. Viscosity measuring device. 2,657,572, Nov. 3.

Fanning, Robert J.: *See*—
Crouch, Willie W., Werkman, and Fanning.

Fanning, William L., Storm Lake, Iowa. Retarding means for roll paper dispensers. 2,650,773, Sept. 1.

Fano, Roberto M.: *See*—
Lawson, Andrew W., Jr., and Fano.

Fansteel Metallurgical Corporation, assignee: *See*—
Balke, Clarence W.
Cepon, Rudolph J.
Hall, James H.
Verdi, Columbus.

Fantoni, Giovanni, Brescia, assignor to Società Italiana Ernesto Breda per Costruzioni Meccaniche, Milan, Italy. Adjustable gunstock. 2,631,398, Mar. 17.

Fantz, Fred C., Lima, assignor, by mesne assignments, to The Lunkenheimer Company, Cincinnati, Ohio. Flexible gate valve. 2,656,143, Oct. 20.

Faragher, Warren F., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of high molecular weight elastic hydrocarbon polymers. 2,634,257, Apr. 7.

Farandatos, Denis, New York, N. Y. Can opener. 2,633,634, Apr. 7.

Farandatos, Denis, New York, N. Y. Can opener. 2,636,259, Apr. 28.

Farandatos, Denis, New York, N. Y. Can opener. 2,636,260, Apr. 28.

Farbenfabriken Bayer, assignee: *See*—
Brüning, Eberhard, Delfs, and Spielberger.
Erdmenger, Rudolf, and Gassen.
Hansen, Kurt H. E., Drapal, Hintzmann, and Wegler.
Jonas, Heinz.
Lober, Friedrich, Bögemann, and Wegler.
Piepenbrink, Hans-Frank, and Bayer.
Schleifenbaum, Werner.
Schmidt, Erich, and Schnegg.
Schrader, Gerhard.

Farbenfabriken Bayer Aktiengesellschaft, assignee: *See*—
Gensel, Herbert, and Windemuth.
Hecht, Gerhard, Henecka, and Meisenheimer.
Henecka, Hans.
Kleiner, Helmut, Bayer, and Becht.
Kwasnik, Walter.
Urbschat, Ewald.
Windemuth, Erwin.

Farber, Eduard, and M. Sciascia, assignors to Timber Engineering Company, Washington, D. C. Wood treating process and composition. 2,655,454, Oct. 13.

Farber, Edward R., Milwaukee, Wis. Unitary portable photographic illumination source. 2,624,831, Jan. 6.

Farber, L., Welting Company, assignee: *See*—
Gemme, Leon H.

Färberei Schlieren A. G., assignee: *See*—
Tanner, Karl.

Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Brüning, assignee: *See*—
Bestian, Herbert.
Dietz, Karl
Fischer, Ernst.
Heyna, Johannes, and Schumacher.
Jensch, Heinrich.
Orthner, Ludwig, and Rieber.
Pontius, Oswald.
Schmidt-Thomé, Josef.

Farbwerke Hoechst vormals Meister Lucius & Bruning, assignee: *See*—
Bestian, Herbert.
Fischer, Ernst.
Pontius, Oswald H.

Fargo, Loren K., St. Paul, Minn. Wall mounting for clocks. 2,651,908, Sept. 15.

Fargo Mfg. Company, Inc., assignee: *See*—
Becker, Stephen P., Schoonmaker, and Wengen.
Wengen, Henry R., Miller, and Schoonmaker.

Farkas, Martin D., Chicago, and J. Deich, Harvey, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Manufacturing benzidine type compounds. 2,640,081, May 26.

Farkas, Pierre, Paris, France. Brake for vehicles and other uses. 2,645,311, July 14.

Farkas, Walter G.: *See*—
Flexser, Leo A., and Farkas.

Farley, Francis S., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,627,630, Feb. 10.

Farley & Loetscher Manufacturing Company, assignee: *See*—
Loetscher, Fred R.
Triller, Benjamin J.

Farley, Louis J., Wapato, Wash. Pollinating cartridge. 2,600,002, Nov. 24.

Farley, Louis J., Wapato, Wash. Pollination. 2,660,003, Nov. 24.

Farley, Philip S., assignor to Noble Co., Oakland, Calif. Apparatus for feeding fibrous material. 2,650,002, Aug. 25.

Farling, Harold L.: *See*—
Drews, Ralph M., and Farling.

Farlow, Mark W., Wilmington, Del., and E. C. Herrick, Boothwyn, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of carbon monoxide to orientable, essentially hydrocarbon polymers. 2,652,372, Sept. 15.

Farly, George M., Berkeley, Calif., assignor to The United States of America as represented by the United States Atomic Energy Commission. Bevatron acceleration regulation. 2,658,999, Nov. 10.

Farm Appliance Corporation, assignee: *See*—
McKinney, James F., and Miller.

Farm Fresh Milk Corporation, assignee: *See*—
Moeri, John C.

Farm Production Engineers, Inc., assignee: *See*—
Gordon, Elwin V.
Gordon, Elwin V., Simpson, and Cardoza.
Simpson, Robert D., Gordon, and Cardoza.
Simpson, Robert D., Gordon, Cardoza, and Jacobs.

Farm Tools, Inc., assignee: *See*—
Derror, Fred L., and Gramly.
Warne, Frederick C.

Farmer, Edward B., Waban, Mass. Electric timing device. 2,650,301, Aug. 25.

Farmer, Horace E., Grosse Pointe Farms, Mich. Power-operated, gear-controlled multiple socket wrench. 2,644,357, July 7.

Farmer, Richard H.: *See*—
Ross, Alvin H. A., Farmer, and Lamont.

Farmer, Robert B., Seattle, Wash. Power drive adapter for pipe threaders. 2,634,437, Apr. 14.

Farmers' Marketing and Supply Company Limited, The, assignee: *See*—
Templeton, Robert A. S.

Farmers and Merchants National Bank of Los Angeles, The, executor: *See*—
Bohman, Axel J.

Farmingdale Corporation, The, assignee: *See*—
Ericson, Albert A.

Farmland Irrigation Company, Inc., assignee: *See*—
Stout, William H., and Pearson.

Farnam, F. D., Co., assignee: *See*—
Farnam, Franklin W. and R. G.

Farnam, Franklin W., Elmhurst, and R. G. Farnam, Glen Ellyn, assignors to F. D. Farnam Co., Chicago, Ill. Combined shim and gasket. 2,639,174, May 19.

Farnam, Robert G.: *See*—
Farnam, Franklin W. and R. G.

Farnell, George: *See*—
Anderson, James H., and Farnell.

Farnham, Sherman, assignee: *See*—
Schepp, William J.

Farnsworth, Philo T., Freyburg, Maine, assignor to Capehart-Farnsworth Corporation. Television image analyzing tube. 2,641,723, June 9.

Farnsworth Research Corporation, assignee: *See*—
Baxter, Joseph M.
Essig, Sanford F.
Habegger, Harvey C.
Hallmark, Clyde E.
Harris, Albert S.
Myers, William H.
Millett, Lewis F.
Nevin, Scott.

Farnsworth, Richard, V. R. Erickson, and C. R. Webber, assignors to Powder Power Tool Corporation, Portland, Oreg. Safety pad for stud driving tools. 2,648,840, Aug. 18.

Farnsworth, William H., Manistee, Mich., assignor to Morton Salt Company, Chicago, Ill. Vapor recompression system. 2,660,236, Nov. 24.

Farquhar, A. B., Company, assignee: *See*—
Hollinger, Harry C.
Tirrell, George E.
Tranter, Watson W., and Hollinger.

Farr, Cecil K., assignee: *See*—
Richardson, Vernon C. H.

Farr Company, assignee: *See*—
Farr, Richard S.
Farr, Richard S., and Woodworth.

Farr, Edward A., Columbus, Ind., assignor to Arvin Industries, Inc. Toast rack. 2,640,600, June 2.

Farr, Kenneth E., Paxinos, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combination radio and television receiver. 2,626,315, Jan. 20.

Farr, Richard S., assignor to Farr Company, Los Angeles, Calif. Fastening means for frame elements or the like. 2,627,948, Feb. 10.

Farr, Richard S., assignor to Farr Company, Los Angeles, Calif. Apparatus for filtering air. 2,633,929, Apr. 7.

Farr, Richard S., Los Angeles, and W. A. Woodworth, San Francisco, assignors to Farr Company, Los Angeles, Calif. Apparatus for maintaining predetermined atmospheric conditions in compartments. 2,661,676, Dec. 8.

Farr, Willard H., assignor to Stewart-Warner Corporation, Chicago, Ill. Hour meter. 2,662,365, Dec. 15.

Farrand Optical Co., Inc., assignee: *See*—
Hasbrouck, Harold J., Jr.
Rosin, Seymour, and Bottalico.
Winget, James L.

Farrar, Willie W., Wichita Falls, Tex. Traversing mechanism. 2,639,105, May 19.

Farré, Joseph M., Jr., Brooklyn, N. Y. Centrifugal ball-throwing machine. 2,650,585, Sept. 1.

Farrel-Birmingham Company, Incorporated, assignee: *See*—
Hedman, Gustave H.
Schnuck, Carl F.
Schnuck, Carl F., and Whittum.

Farrell, Joseph E., assignor to Farspan Industries, Inc., Island Heights, N. J. Gasifying carburetor. 2,625,920, Jan. 20.

Farrell, Joseph E., assignor to Farspan Industries, Inc., Island Heights, N. J. Gasified fuel oil burner. 2,630,168, Mar. 3.

Farrell, Richard R., assignor to Universal Lubricating Systems, Inc., Oakmont, Pa. Germicidal receptacle. 2,652,173, Sept. 15.

Farren, Leslie L. and N. E. Head, Sudbury, Wembley, and M. M. Levy, Earls Court, assignors to The General Electric Company, Limited, London, England. Electric pulse signaling system. 2,662,979, Dec. 15.

Farren, Roy, Lake Worth, Fla. Tile roof structure. 2,624,298, Jan. 6.

Farren, William R., Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del. Making explosive assemblies. 2,662,441, Dec. 15.

Farrington Manufacturing Company, assignee: *See*—
Coletta, Joseph E.
Ortendahl, David.
Sedgwick, Wendell W.
Vogt, Lucien E.

Farrington, Robert K., Shaker Heights, T. B. Farrington, Cleveland Heights, and R. F. Kurzenberger, assignors to The Thompson Electric Company, Cleveland, Ohio. Gravity suspension hanger. 2,663,536, Dec. 22.

Farrington, Thayer B.: *See*—
Farrington, Robert K. and T. B., and Kurzenberger.

Farris, Clayton, East Orange, assignor to The Trucktor Corporation, Westfield, N. J. Tire inflator. 2,663,348, Dec. 22.

Farris, Riley F., Houston, Tex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Fracturing formations in wells. Re. 23,733, Nov. 10.

Farris, Victor W., Tenafly, N. J. Manually operated pinch valve. 2,640,675, June 2.

Farris, Victor W., Tenafly, N. J. Pinch valve mechanism. 2,659,387, Nov. 17.

Farspan Industries, Inc., assignee: *See*—
Diehl, Edward J.
Farrell, Joseph E.

Fasciati, Alfred: *See*—
Widmer, Willy, and Fasciati.

Fasco Industries, Inc., assignee: *See*—
Byam, Peter M.

Fasold, George A., Mount Healthy, and H. E. Callahan, Silverton, assignors to The Philip Carey Manufacturing Company, Cincinnati, Ohio. Coating roofing material. 2,661,303, Dec. 1.

Fasoli, Paul A., assignor to The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y. Apparatus for manipulating breast rolls. 2,634,658, Apr. 14.

Fasoli, Paul A., assignor to The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y. Lump breaker construction. 2,643,587, June 30.

Fast, John E., & Co., assignee: *See*—
Black, Bernard A., and Kaim.
Kopinski, Frank.

Fastie, William G., Owings Mills, Md., assignor to Leeds and Northrup Company, Philadelphia, Pa. Compensated thermopile. Re. 23,615, Jan. 13.

Fastie, William G., Owings Mills, Md., assignor to Leeds and Northrup Company, Philadelphia, Pa. Ambient-temperature compensated device. 2,627,530, Feb. 3.

Fate, Jessee E., Jr., Tulsa, Okla. Snatch block. 2,649,282, Aug. 18.

Fatkin, Harry W., Westville, N. J., assignor to Warren-Knight Company, Philadelphia, Pa. Surveyor's plumb line target. 2,663,937, Dec. 29.

Fatland, Conrad, Chicago, Ill. Mop holder. 2,638,616, May 19.

Faubion, Howard H., Tampa, Fla. Hacksaw assembly. 2,642,906, June 23.

Faucette, William A.: *See*—
Kerr, Ralph W., and Faucette.

Faucher, Armand W., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Brightening and passivating solution. 2,634,224, Apr. 7.

Faudell, Leslie C., near Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, England. Television receiver. 2,656,413, Oct. 20.

Faulds, John, Oak Park, assignor to Faulds Oven and Equipment Co., Chicago, Ill. Bake oven. 2,650,554, Sept. 1.

Faulds Oven and Equipment Co., assignee: *See*—
Faulds, John.

Faulhaber, Albert J.: *See*—
Murdoch, John P., and Faulhaber.

Faulhaber, Fritz, Schonthal, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Strut or spreader system for folding photographic cameras. 2,637,254, May 5.

Faulk, Donald P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic counting circuits. 2,624,842, Jan. 6.

Faulkenberry, Jesse R.: *See*—
Manley, Hugh M., and Faulkenberry.

Faulkner, Donald: *See*—
Daglish, Anthony F., and Faulkner.
Milne, John N., Faulkner, and Hollis.

Faulkner, Edward, Anaheim, Calif. Cleaning internal-combustion engines. 2,641,267, June 9.

Faulkner, Emmett, assignee: *See*—
Wolford, Charles E.

Faulkner, Harry, Rochdale, England. Automatic lighter. 2,656,492, Oct. 20.

Faull, John T.: *See*—
Bailey, Roy W., and Faull.

Faure, Bernard, Neuilly-sur-Seine, France. Molding machine. 2,659,946, Nov. 24.

Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Spark stylus recording apparatus. 2,647,033, July 28.

Faus, Leslie I.: *See*—
Shaw, James M., and Faus.

Fausek, Arthur J. and I. F., Clayton, Mo. Pump. 2,630,072, Mar. 3.

Fausek, Arthur J., and I. F. Fausek, Clayton, Mo. Apparatus for separating the constituents of gaseous mixtures. 2,645,103, July 14.

Fausek, Arthur J. and I. F., Clayton, Mo. Valve. 2,657,704, Nov. 3.

Fausek, Irwing F.: *See*—
Fausek, Arthur J. and I. F.

Fauser, Ernest E., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Synthesizing 4,4'-biphenyl diisocyanate. 2,643,264, June 23.

Fausnaught, Robert A., Pittsburgh, assignor to Haws Refractories Company, Johnstown, Pa. Slag removal. 2,664,284, Dec. 29.

Faust, Charles L., and W. G. Hespenheide, Columbus, assignors, by mesne assignments, to The City Auto Stamping Company, Toledo, Ohio. Electrodeposition of bright copper-tin alloy. 2,658,032, Nov. 3.

Faust, Ellwood L., Elmhurst, Ill., assignor to International Harvester Company. Feed control means for seed dispensers. 2,638,246, May 12.

Faust, Ellwood L., Elmhurst, Ill., assignor to International Harvester Company. Hopper connecting means for distributing mechanisms. 2,654,509, Oct. 6.

Faust, Jacob, Belleville, N. J., assignor to L. Sonneborn Sons, Inc. Lubricating greases. 2,659,695, Nov. 17.

Faust, Jacob, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Injection molding machine. 2,657,429, Nov. 3.

Favara, Louis, and L. C. Green, Buffalo, N. Y. Detecting apparatus. 2,663,867, Dec. 22.

Favre, Jules, Neuchatel, assignor to Paillard S. A., Sainte-Croix, Switzerland. Motion picture camera. 2,646,718, July 28.

Favre, Jules, Neuchatel, assignor to Paillard S. A., Sainte-Croix, Switzerland. Reel end alarm. 2,656,816, Oct. 27.

Favre, Marc, & Co. S. A., assignee: *See*—
Favre, Robert.

Favre, Robert, Evilard-sur-Bienne, Switzerland, assignor to Marc Favre & Co. S. A. Calendar timepiece. 2,650,467, Sept. 1.

Favret, Maxime, assignor to Elgin National Watch Company, Elgin, Ill. Multiple-barrel power spring assembly. 2,628,690, Feb. 17.

Fawcett, James M., Chicago, Ill. Railway rail fastener. 2,628,035, Feb. 10.

Fawick Airflex Company, Inc., The, assignee: *See*—
Fawick, Thomas L.

Fawick Flexi-Grip Company, assignee: *See*—
Fawick, Thomas L.
Karns, James A.

Fawick, Thomas L.: *See*—
Kaston, Henryk, and Fawick.

Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc. Molding apparatus for shaping fluid distensible bags for actuation of clutches and brakes. 2,625,711, Jan. 20.

Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc. Fluid clutch with slidable bearing. 2,626,031, Jan. 20.

Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc. Centrifugal clutch with removable cantilever spring. 2,626,034, Jan. 20.

Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc. Plural-passage rotary fluid seal. 2,626,166, Jan. 20.

Fawick, Thomas L., Cleveland, Ohio, assignor to Fawick Flexi-Grip Company. Shaft assembly, including handle-grip and hand-loop strap. 2,645,501, July 14.

Fawick, Thomas L., Cleveland, Ohio, assignor, by mesne assignments, to Federal Fawick Corporation. Assembly for clutches and brakes. 2,662,625, Dec. 15.

Fawick, Thomas L., Cleveland, Ohio, assignor, by mesne assignments, to Federal Fawick Corporation. Rotary fluid seal. 2,662,785, Dec. 15.

Faximile, Inc., assignee: *See*—
Hester, Frank A.
Schwartz, Robert S.
Smith, John W.

Fay, Allan B.: *See*—
McNamee, Paul D., Fay, and Derry.

Fay, Charles H., and R. R. Goodell, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Gravity meter. 2,657,581, Nov. 3.

Fay, Howard G., assignor to Eastman Kodak Company, Rochester, N. Y. Mold for framing lenses in a plastic mounting. 2,655,692, Oct. 20.

Fay, James E., assignor to Armco Steel Corporation, Middletown, Ohio. Mechanism for corrugating strips of material. 2,649,888, Aug. 25.

Fay, James P., Norwalk, Conn. Registering device. 2,628,556, Feb. 17.

Fay, Joseph W., Villa Park, assignor of one-half to I. J. Mendels, Evanston, Ill. Tissue dispenser. 2,651,409, Sept. 8.

Fay, Joseph W. and R. J., Villa Park, assignors to Schulze and Burch Biscuit Company, Chicago, Ill. Stacking and conveying apparatus. 2,661,103, Dec. 1.

Fay, Mervin A.: *See*—
Heuer, Russell P., and Fay.

Fay, Rudolph J.: *See*—
Fay, Joseph W. and R. J.

Faye, Charles K., San Francisco, and I. C. Baldwin, Portola, assignors to The Western Pacific Railroad Company, San Francisco, Calif. Car icing system. 2,631,436, Mar. 17.

Faye, Louis, Paris, France. Material for constructing concrete walls. 2,657,448, Nov. 3.

Fayette Manufacturing Company, The, assignee: *See*—
Long, Leland E.

Fays, René: *See*—
Drisch, Nicolas, and Fays.

Fazakerley, Jack P., Los Angeles, Calif. Cup holder. 2,628,054, Feb. 10.

Fazio, Thomas, Newton, Mass. Colostomy appliance with a removable adapter device. 2,639,710, May 26.

Feal, Lawrence E., Oakland, Calif. Camera view finder. 2,624,229, Jan. 6.

Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for increasing speed of well logging. 2,645,723, July 14.

Fears, Edward, Berlin, Md. Threaded retaining device with friction reducing and cap means. 2,633,176, Mar. 31.

Feasley, Charles F., and W. A. Stover, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Pyrolysis of difluoromonochloroethane. 2,627,529, Feb. 3.

Feasley, Charles F., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Resinification of aromatic hydrocarbons. 2,660,572, Nov. 24.

Featherstone Agricultural Limited, assignee: *See*—
Gillespie, Sydney H.

Featonby, Joseph, assignor to National Research ... Ottawa, Ontario, Canada. Heat powe... 2,648,191, Aug. 11.

Feb Products Company, The, assignee: *See*—
Gough, William E., Jr.

Fechheimer, Paul R., assignor to The Karl Kie... Company, Cincinnati, Ohio. Spout for air-c... tainers and means for operating it. 2,628,3...

Fechheimer, Paul R., R. Boing, and L. F. Fr... signors to The Karl Kiefer Machine Company... Ohio. Means for feeding tapered articles. ... Feb. 17.

Fechheimer, Paul R., assignor to The Karl ... chine Company, Cincinnati, Ohio. Spout me... filling machines. 2,643,247, July 14.

Fechheimer, Paul R., assignor to The Karl ... chine Company Cincinnati, Ohio. Machin... containers. 2,658,657, Nov. 10.

Fechheimer, Paul R., assignor to The Karl Kie... Company, Cincinnati, Ohio. Apparatus and... accurately filling containers. 2,660,350, No...

Fechheimer, Paul R., assignor to The Karl Kie... Company, Cincinnati, Ohio. Pressure-and-va... machine. 2,660,357, Nov. 24.

Fechheimer, Paul R., assignor to The Karl Kie... Company, Cincinnati, Ohio. Filling head fo... chines. 2,660,358, Nov. 24.

Fechter, Harry B., Minneapolis, Minn. Radi... tank, including hydraulic lift system. ... Feb. 10.

Fedders-Quigan Corporation, assignee: *See*—
Cira, James W.
Osterkorn, Charles L.
Przyborowski, Stanislaus.

Feder, Abraham H., New York, N. Y. Recess... fixture with adjustable spotlight. 2,649,53...

Feder, Arthur G., assignor to Detroit-Michigan ... pany, Detroit, Mich. Broiler structure. ... Oct. 27.

Feder, Edgard, New York, N. Y. Display... 2,646,875, July 28.

Federal Carton Corporation, assignee: *See*—
Dorfman, Irving.
Gjostein, Nils.

Federal Electric Products Company, assignee:...
Ballou, Richard P.
Christensen, Paul M.
Christensen, Paul M., and Norden.
Cole, Herbert M.
Cole, Thomas M.
Cole, Thomas M., and Christensen.
Cole, Thomas M., and Lantz.
Humpage, Harold A.
Jensen, Helge.
Norden, Alexander R.

Federal Fawick Corporation, assignee: *See*—
Fawick, Thomas L.

Federal Foundry Supply Company, assignee:...
Herbruggen, Heinrich J. B.

Federal Leather Company, assignee: *See*—
White, Clarence B.

Federal Machine & Welder Company, assigne...
Coates, Clyde E., and Williams.
Williams, Arthur L., and Craig.

Federal Manufacturing & Engineering Corp...
See—
Kaplowitz, Morris.

Federal-Mogul Corporation, assignee: *See*—
Beebe, Austin H., Jr.
Jones, Hugh F., and Colby.

Federal Products Corporation, assignee: *See*...
Snow, Harold A.

Federal Security Agency, United States of ... represented by the Administrator of the, ass...
Doak, George O., and Freedman.
Earle, Wilton R., and Sanford.

Federal Telecommunication Laboratories, In...
See—
Buyer, Edward M.
Davis, Charles W.
Dishal, Milton, and Le Grand.
Engelmann, Herbert F.
Fischer, Laurin G.
Gallay, Harris.
Grieg, Donald D., Levine, and Estes.
Kandoian, Armig G., and Felsenheld.
Krause, Irving A.
Kreitchman, Morton A.
Lair, Julian J. B.
Sichak, William, and Milazzo.
Warner, Arthur J.
Warner, Arthur J., and Gobat.

Federal Telephone and Radio Corporation, ass...
Adams, Paul R.
Black, Donald W.
Bloom, Mortimer C., and Levy.
Brandt, Walter.
Bruckman, William C., Kreitchman, and ...
Deloraine, Edmond M.
Deloraine, Edmond M., and Adams.
Denney, Lee J., Duhamel, and Engsberg.
Dodington, Sven H. M.
Duhamel, Howard G., Campbell, and Ree...
Frankel, Sidney.

Federal Telephone and Radio Corporation, assignee: *See*— Continued.
Gallay, Harris.
Goldstein, Ladislas, and Cohen.
Hampshire, Robert A., Iden, and Hancock.
Kreitchman, Morton A., and Olson.
Labin, Emile.
Labin, Emile, Frankel, and Silver.
Marchand, Nathan.
O'Neil, Paul T.
Perzel, John.
Reade, Ralph B.
Schmitt, William C.
Silver, Martin.
Vanderhoof, Alton S.
Von Hippel, Arthur, and Bloom.
Wallace, Milner W.
Young, Norman H., Jr.

Fedevich, Joseph J., Canton, Ohio. Apparatus for removing casings from wieners and the like. 2,636,213, Apr. 28.

Fedorchak, William J., Granite City, Ill., assignor to Owens-Illinois Glass Company. Inspecting apparatus. 2,649,500, Aug. 18.

Feed Products Company, assignee: *See*— West, Edward S., and Van Bruggen.

Feemster, David R., and R. S. Hinsey, assignors to The Bingham-Herbrand Corporation, Toledo, Ohio. Mechanism control. 2,664,014, Dec. 29.

Feeney, Robert J.: *See*— Brunings, Karl J., Feeney, and Solomons.

Feeney, Thomas A., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Stick force producer and gust control. 2,630,284, Mar. 3.

Feeney, Thomas A., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Follow-up type pressure fluid servomotor. 2,640,466, June 2.

Feeney, Thomas A., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Motion ratio changer 2,652,994, Sept. 22.

Feeney, Thomas A., Los Angeles, and S. A. Hall, Gardena, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane trim control. 2,639,108, May 19.

Feeney, Thomas A., Los Angeles, and W. B. Pierce, Burbank, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Elevon stick control. 2,660,383, Nov. 24.

Feeney, Thomas A., and A. R. Vogel, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Dual source full powered control system. 2,638,736, May 19.

Feeney, William H., East Providence, and G. W. Smithson, Pawtucket, R. I., assignors to Niles-Bement-Pond Company, West Hartford, Conn. Feed and traverse mechanism for automatic turret lathes. 2,645,134, July 14.

Feerick, Jay, Oakland, assignor of one-third to C. E. Welch, Hayward, and one-third to W. J. Pacheco, Oakland, Calif. Detachable gun sight mount. 2,659,150, Nov. 17.

Fegan, Robert W., Kenmore, assignor to George B. Hart, Inc., Rochester, N. Y. Unit for cutting materials by heat. 2,646,494, July 21.

Fegley, Charles R.: *See*— Bitzer, Gottlob, Pingel, and Fegley.

Fehr, John R., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus having means for preventing condensation. 2,632,313, Mar. 24.

Fehrenkamp, Emil W., assignor to Burd & Fletcher Co., Kansas City, Mo. Carton. 2,625,315, Jan. 13.

Fehring, Wendell B., assignor to Boeing Airplane Company, Seattle, Wash. Landing unit for aircraft. 2,650,782, Sept. 1.

Fehrman, Frederick C., Washington, D. C. Animal mouth opener. 2,651,300, Sept. 8.

Fehrman, Frederick C., Washington, D. C. Rotary grinding implement. 2,655,725, Oct. 20.

Fehrs, Carl W., Ridgefield, Conn. Combined sunglasses and eyeshade. 2,634,416, Apr. 14.

Feibelman, Hans J., Providence, R. I. Separable connector for bracelets and the like. 2,654,929, Oct. 13.

Feichtinger, Hans, and S. Puschhof, Duisburg-Beeck, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Production of benzoic-p-sulfonamide. 2,664,439, Dec. 29.

Feick, Daniel E., Duquesne, Pa., assignor to United States Steel Corporation. Apparatus for detecting cobbles in sheet handling equipment. 2,655,249, Oct. 13.

Feick, Daniel E., Duquesne, and R. E. Howell, Pittsburgh, Pa., assignors to United States Steel Corporation. Apparatus for continuously gauging and classifying sheet material for flatness. 2,636,603, Apr. 28.

Feiertag, Karl M.: *See*— Stephenson, Hugh M., and Feiertag.

Feiertag, Karl M., Fort Wayne, Ind., assignor to General Electric Company. Permanent magnet clutch-brake. 2,635,723, Apr. 21.

Feiertag, Karl M., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,643,351, June 23.

Feiertag, Karl M., Fort Wayne, Ind., assignor to General Electric Company. Permanent magnet brake. 2,656,026, Oct. 20.

Feig, Jerome H.: *See*— Beber, Samuel L., and Feig.

Feigelman, Herman A., Paterson, N. J. Folding box. 2,626,739, Jan. 27.

Feigenbaum, David L., assignor to Little America Frozen Foods, Inc., Pittsburgh, Pa. Refrigerating shipping container for frozen foods. 2,631,439, Mar. 17.

Feigenbaum, Wilberd F., assignee: *See*— Allenbaugh, Ralph.

Feigenholtz, Harold L., assignee: *See*— Ranseen, Emil L.

Feigley, Joseph, and J. E. Pierce, Jr., Wauwatosa, Wis. Tip-up for ice fishing. 2,636,303, Apr. 28.

Feil, Ralph W.: *See*— Owen, John J., and Feil.

Feild, George B., assignor to Hercules Powder Company, Wilmington, Del. Lead wire for initiating devices. 2,649,735, Aug. 25.

Feilden, Geoffrey B. R., assignor to Ruston & Hornsby Limited, Lincoln, England. Construction of turbine-inlet and stator elements of gas turbines. 2,638,743, May 19.

Feilden, Geoffrey B. R., Lincoln, and R. E. Wigg, Ealing Common, London, assignors to Ruston & Hornsby Limited, Lincoln, England. Fluid to fluid heat exchanger. 2,639,125, May 19.

Feilden, Geoffrey B. R., Lincoln, and R. E. Wigg, Ealing Common, London, assignors to Ruston & Hornsby Limited, Lincoln, England. Speed governor. 2,650,815, Sept. 1.

Feilden, Geoffrey B. R., Lincoln, assignor to Power Jets (Research and Development) Limited, Lonodn, England. Turbine. 2,651,492, Sept. 8.

Feilden, Geoffrey B. R., Lincoln, assignor to Power Jets (Research and Development) Limited, London, England. Construction of rotors for compressors and like machines. 2,654,565, Oct. 6.

Fein, Martin L., Riverside, N. J., and C. H. Fisher, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Mixed plasticizers. 2,631,988, Mar. 17.

Fein, Raymond, and J. Wiener, Brooklyn, N. Y. Combination oil gauge and heater. 2,629,041, Feb. 17.

Feinberg, Archie S., Dallas, Tex. Combination refrigeration and evaporating cooling unit. 2,628,480, Feb. 17.

Feinberg, Earl, Philadelphia, Pa. Waistband. 2,630,575, Mar. 10.

Feinberg, Sidney, assignee: *See*— Lewis, Jean L.

Feine, Erich, Ravensburg, Germany. Orthopedic balancing apparatus for leg amputees. 2,658,388, Nov. 10.

Feiner, Richard, New York, N. Y. Staple for attaching buttons. 2,624,085, Jan. 6.

Feinstein, Henry, Brooklyn, N. Y. Telephone call counting device. 2,629,781, Feb. 24.

Feinstein, Samuel, Brooklyn, assignor to Servomechanisms, Inc., Mineola, N. Y. Method and apparatus for comparing electric signals. 2,642,544, June 16.

Feinstone, Wolffe H., Indianapolis, Ind., and B. F. Duesel, assignors to Nepara Chemical Co. Inc., Yonkers, N. Y. 7-substituted dialkyl xanthines and preparing same. 2,661,352, Dec. 1.

Feis, Michael J., assignee: *See*— Neilsen, Hildaur L.

Feissel, Henri, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Pulse code modulation demodulator. 2,651,716, Sept. 8.

Felber, Sidney, New York, N. Y. Erasing shield. 2,642,172, June 16.

Felburg, Robert A., Newark, N. J. Toy bomb and mechanism for feeding explosive caps therethrough. 2,633,671, Apr. 7.

Felch, Edwin P., Jr., and F. G. Merrill, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetometer. 2,649,568, Aug. 18.

Feldberg, Morris F., Monticello, N. Y. Indexing hinge. 2,635,281, Apr. 21.

Felderman, Lloyd G., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Apparatus for relatively continuously receiving material and intermittently discharging the same. 2,637,456, May 5.

Felderman, Lloyd G., and A. S. Knoizen, Franklin, Pa., assignors to Joy Manufacturing Company. Timber setting machine. 2,656,057, Oct. 20.

Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control for multimotor drives. 2,653,283, Sept. 22.

Feldhausen, Cyril P., Wauwatosa, R. M. Lommen, Milwaukee, and W. H. Rouse, Greenfield, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Web severing device. 2,654,431, Oct. 6.

Feldkamp, Rolland F.: *See*— Tullar, Benjamin F., and Feldkamp.

Feldkamp, Rolland F., Troy, assignor to Sterling Drug Inc., New York, N. Y. Preparation of 1-methylpiperidylmethanols. 2,657,211, Oct. 27.

Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Teething rail. 2,636,189, Apr. 28.

Feldman, Alexander L., Bronx, N. Y. Rack. 2,632,569, Mar. 24.

Feldman, Bernard, Rehovoth, Israel. Homogenizer. 2,652,234, Sept. 15.

Feldman, Carl B. H.: *See*— Carbrey, Robert L., Cutler, and Feldman.

Feldman, Carl B. H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio repeater having a pulse regenerator. 2,627,574, Feb. 3.

Feldman, Carl B. H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory circuits for pulse code modulation. 2,636,081, Apr. 21.

Feldman, Carl B. H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,647,212, July 28.

Feldman, Joseph, Bronx, assignor to Scher & Feldman, Inc., New York, N. Y. Coat combined with muff. 2,654,094, Oct. 6.

Feldman, Samuel, Brooklyn, assignor to Felport Incorporated, New York, N. Y. Combination cap and eyeshield. 2,663,870, Dec. 29.

Feldman, Samuel, Forest Hills, assignor to Lass O'Scotland Ltd., New York, N. Y. Knitted garment. 2,624,186, Jan. 6.

Feldstein, Henry H., Cleveland, Ohio, and M. J. Feldstein, Arlington, Va. Page card file. 2,651,126, Sept. 8.

Feldstein Marc J.: *See*— Feldstein, Henry H. and M. J.

Felez Alvarez, Francisco and J., Banolas, assignors to E. C. Massons, Barcelona, Spain. Electromagnetically operated pump for raising liquids. 2,634,684, Apr. 14.

Felez Alvarez, Jose: *See*— Felez Alvarez, Francisco and J.

Felici, Noël, Grenoble, assignor to Centre National de la Recherche Scientifique, Paris, France. Electrostatic machine. 2,656,502, Oct. 20.

Felio, Harold G.: *See*— McCarty, Lewis C., Jr., and Felio.

Felker, Lloyd L., assignee: *See*— Crooker, David E. Felker, Raymond L.

Felker, Raymond L., assignor of fifty per cent to L. L. Felker, Marshfield, Wis., and fifty per cent to D. E. Crooker, Ontonogan, Mich. Device for demonstrating the action of snow and ice tires and making the same. 2,663,094, Dec. 22.

Felker, Samuel A.: *See*— Russell, John, Edmund, and Felker.

Fell Developments Limited, assignee: *See*— Bennett-Powell, John A. Fell, Louis F. R.

Fell, Louis F. R., Littleover, assignor to Fell Developments Limited, London, England. Control for transmission gearing in multiengine power plants. 2,637,169, May 5.

Fell, Louis F. R., Littleover, assignor to Fell Developments Limited, London, England. Internal-combustion engine power unit for locomotives. 2,647,372, Aug. 4.

Fell, William K., Elizabeth, and J. D. Leslie, Cranford, N. J., assignors to Standard Oil Development Company. Polymerizing olefins with a phosphoric acid slurry catalyst. 2,626,290, Jan. 20.

Fellabaum, John P., Warren, Ohio. Trailer vehicle with demountable wheel trucks. 2,656,196, Oct. 20.

Feller, Anton M., Elizabeth, N. J. Apparatus for the integration and control of radiation, particularly for the control of exposure in photographic processes. 2,654,858, Oct. 6.

Feller, Lloyd W., assignee: *See*— Rhoads, Leonard H.

Fellman, Rudolf, Prague, assignor of one-half to The Skoda Works, National Corporation, Plzen, Czechoslovakia. Tobacco spreader for cigarette making machines. 2,656,840, Oct. 27.

Fellows, Frank H., Cleveland, and H. H. Gorrie, Cleveland Heights, Ohio, assignors to Bailey Meter Company. Control apparatus. 2,662,509, Dec. 15.

Fellows Gear Shaper Company, The, assignee: *See*— Bean, Arthur I. Cobb, Neal L. Miller, Edward W. Praeg, Walter S.

Fellows, Harrison E., Wauwatosa, Wis. Mold making machine. 2,651,087, Sept. 8.

Fellows, Leslie R.: *See*— Thomas, Albert, and Fellows.

Fellows, Leslie R., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Means for securing together two shafts or the like. 2,625,416, Jan. 13.

Felport Incorporated, assignee: *See*— Feldman, Samuel.

Felsa A. G., assignee: *See*— Meyer, Friedrich.

Felsa S. A., assignee: *See*— Meyer, Friedrich.

Felsenheld, Robert A.: *See*— Kandolan, Armig G., and Felsenheld.

Felt & Tarrant Manufacturing Company, assignee: *See*— Niemann, Frederick A. Niemann, Frederick A., and Koch. Turck, Joseph A. V.

Felter, Robert E. L., Baltimore, Md. Removable headrest for vehicles. 2,661,050, Dec. 1.

Felters Company, The, assignee: *See*— Young, Joseph W.

Feltman, Charles, Lakewood, N. J. Toy hand organ. 2,640,383, June 2.

Felton, George F., Millers Falls, Mass. Insign 2,638,867, May 19.

Felts, Gordon P., Pasadena, and R. W. Seeger, to M. H. Lewis, South Pasadena, Calif. Ter nector for electrical conductors. 2,630,468, M

Felts, Gordon P., Pasadena, and R. W. Seeg Pasadena, Calif. Tinsel wire connector for conductors. 2,651,764, Sept. 8.

Feltus, Abram M., Washington, Miss. Aeria 2,653,026, Sept. 22.

Fencil, Louise K., Brookfield, assignor to Ar Company, Chicago, Ill. Liquid glue. 2,643, 23.

Fender, Verle L., Carbondale, Colo. Dehori 2,659,142, Nov. 17.

Fendius, Robert P.: *See*— Roessl, Carl A., and Fendius.

Fengler, Werner H., Dearborn, Mich. Turbine draulic torque converter. 2,627,165, Feb. 3.

Fenley, Jack, San Bernardino, Calif. Automa release. 2,663,386, Dec. 22.

Fenlind Engineering Co., assignee: *See*— Lindmark, Karl L.

Fenn Bros., Inc., assignee: *See*— Schroenghamer, George.

Fenn, James E.: *See*— La Brie, Laurent J., and Fenn.

Fenn, John B.: *See*— Mullen, James W., II, and Fenn.

Fenn, Willard H., Cambridge, Mass., assignor, assignments, to the United States of America sented by the Secretary of the Navy. 2,632,796, Mar. 24.

Fennell, Frank, Chicago, Ill. Hole burr 2,649,001, Aug. 18.

Fennelly, Joseph C., San Francisco, Calif. Sa with rotary magazine and blade therefor. Apr. 28.

Fennelly, Joseph C., Ross, Calif., assignor, by signments, of one-half to H. S. Hensel, New Y Injector and blade disposal device for razors. June 30.

Fennema, Richard, assignor to Crane Co., Ch Check valve mounting. 2,664,264, Dec. 29.

Fennema, Richard, and G. E. Hansen, assignors Co., Chicago, Ill. Valve removal wrench. June 9.

Fenner, Eckhard: *See*— Zimmer, Theodor, and Fenner.

Fenske, Ellsworth R., Lyons, assignor to Uni Products Company, Chicago, Ill. Flow meas paratus. 2,647,403, Aug. 4.

Fenske, Merrell R., and T. M. Reed, III, State C assignors to Standard Oil Development Comp paratus for contacting solids with fluids. Apr. 21.

Fenstermaker, Lloyd H.: *See*— Saul, Samuel, Jr., and Fenstermaker.

Fenstermaker, Lloyd H., Pittsburgh, Pa., as United States Steel Corporation. Hand stamp ing metal slabs or the like. 2,661,681, Dec. 8

Fenton, Frank, Akron, assignor to The Sun Ru pany, Barberton, Ohio. Making play balls. Feb. 10.

Fenton, Walter M., assignor, by mesne assign Lithium Corporation of America, Inc., Mi Minn. Mill addition agent for enamel slips. Dec. 8.

Fentress, David W., Barrington, assignor to Chic Hose Corporation, Maywood, Ill. Making tub tures. 2,635,330, Apr. 21.

Fentress, David W., Barrington, assignor to Chic Hose Corporation, Maywood, Ill. Jet engine assembly. 2,640,317, June 2.

Fentress, David W., Barrington, assignor to Chic Hose Corporation, Maywood, Ill. Flexible tub ture and manufacture. 2,663,324, Dec. 22.

Fenvessy, Stanley J.: *See*— Morrow, John H., and Fenyvessy.

Fenwal Laboratories, Inc., assignee: *See*— Murpry, William P., Jr.

Fenzl, Edward J., Schenectady, N. Y., assignor eral Electric Company. Combined manual matic hydraulic servomotor apparatus. Sept. 22.

Ferda, Julius, and S. Deutsch, Cincinnati, Ohi object and support securing device. 2,658,765

Fergason, Rector C., Gadsden, Ala., assignor Chalmers Manufacturing Company, Milwau Manure spreader feeding device. 2,626,809, J

Fergason, Rector C., Gadsden, Ala., assignor Chalmers Manufacturing Company, Milwau Ear positioner and trash remover for corn h 2,631,420, Mar. 17.

Fergason, Rector C., Gadsden, Ala., assignor Chalmers Manufacturing Company, Milwau Corn harvester. 2,663,983, Dec. 29.

Fergason, Rector C., La Porte, Ind., assignor Chalmers Manufacturing Company, Milwau Corn snapping and husking rolls. 2,643,657, Ju

Fergnani, Walter P., assignor to Post Machinery Beverly, Mass. Box blank conveying m 2,630,206, Mar. 3.

Ferguson, Alan C., assignor to Hyde Manufacturing Company, Southbridge, Mass. Multipoint removable blade knife. 2,662,287, Dec. 15.

Ferguson, Barrington, deceased, Fernie, British Columbia, Canada; F. E. Hughes, administrator. Control valve for air operated machinery. 2,636,517, Apr. 28.

Ferguson, Carl E., K., and R. C., assignors to Berrien Tool and Die Company, Eau Claire, Mich. Ground working machine. 2,638,043, May 12.

Ferguson, Carl E., K., and R. C., assignors to Berrien Tool and Die Company, Eau Claire, Mich. Groundworking machine. 2,638,831, May 19.

Ferguson, Cedric K., Fullerton, assignor to California Research Corporation, San Francisco, Calif. Gas-oil separator. 2,652,130, Sept. 15.

Ferguson, D., assignee: *See*—
Thompson, John D.

Ferguson, Daniel B., Denver, Colo. Casting reel. 2,652,990, Sept. 22.

Ferguson, Duard, Los Angeles, Calif. Photoprint ejector. 2 651,244, Sept. 8.

Ferguson, Edgar A., Jr., Brooklyn, N. Y. Therapeutic appetite satient composition. 2,631,119, Mar. 10.

Ferguson, Harry, Inc., assignee: *See*—
Bunting, Ernest V.
Hansen, Harold V., and Murphy.
Heitshu, Daniel C.
Klemm, Herman G., and Nelson.
Kopp, Lester G.
McRobert, Leon R.
Murphy, John T.
Nelson, Noral A.
Reynolds, Nelson E., and McRobert.

Ferguson, Harry, Limited, assignee: *See*—
Sherwen, Theo.

Ferguson, Harry J., Co., assignee: *See*—
Ferguson, Harry J.

Ferguson, Harry J., Elkins Park, assignor to Harry J. Ferguson Co., Jenkintown, Pa. Delivery control mechanism for conveyers. 2,643,751, June 30.

Ferguson, Henry A., Lombard, R. C. Boyle, and E. Jedrzykowski, Chicago, Ill., assignors to International Harvester Company. Tractor body frame with supplementary power transmitting and dividing apparatus. 2,654,255, Oct. 6.

Ferguson, H. K., Company, The, assignee: *See*—
Hainsworth, Bruce A.

Ferguson, J Allen, assignor, by mesne assignments, to Bechik Products, Inc., St. Paul, Minn. Handle for inner spring mattresses and the like. 2,662,235, Dec. 15.

Ferguson, J. L., Company, assignee: *See*—
Ferguson, John L., and Talbot.

Ferguson, James M., Richmond, Va. Reciprocating saw. 2,630,148, Mar. 3.

Ferguson, James R., administrator: *See*—
Ferguson, Robert O.

Ferguson, John L., Jr., assignor to Printing Equipment Corporation, Joliet, Ill. Printing chase. 2,635,541, Apr. 21.

Ferguson, John L., Jr., assignor to Printing Equipment Corporation, Joliet, Ill. Printer's central post form table. 2,659,571, Nov. 17.

Ferguson, John L., and R. C. Talbot, assignors to J. L. Ferguson Company, Joliet, Ill. Case loader and sealer. 2,648,182, Aug. 11.

Ferguson, John L., and R. C. Talbot, assignors to J. L. Ferguson Company, Joliet, Ill. Automatic case loading method and apparatus. 2,649,231, Aug. 18.

Ferguson, John L., and R. C. Talbot, assignors to J. L. Ferguson Company, Joliet, Ill. Method and apparatus for handling articles. 2,649,232, Aug. 18.

Ferguson, Kendall: *See*—
Ferguson, Carl E., K., and R. C.

Ferguson, Kenneth C., assignor to Anderson Box Company, Indianapolis, Ind. Corner lock for corrugated fiberboard boxes. 2,660,364, Nov. 24.

Ferguson, Llewellyn R., Stamford, Conn., assignor to General Foods Corporation, New York, N. Y. Gelatin composition. 2,657,996, Nov. 3.

Ferguson, Louisa, assignee: *See*—
Ferguson, William H.

Ferguson, Murray, assignee: *See*—
Prizer, Eugene L.

Ferguson, Richard, Charlotte, N. C., assignor to The Terrell Machine Company. Combing means and making and using same. 2,633,606, Apr. 7.

Ferguson, Robert C.: *See*—
Ferguson, Carl E., K., and R. C.

Ferguson, Robert O., deceased, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn., J. R. Ferguson, administrator of said R. O. Ferguson. Tobacco pipe bowl. 2,651,307, Sept. 8.

Ferguson, Warren T., Newton Highlands, assignor to Anderson Products, Inc., Cambridge, Mass. Air vent for water systems. 2,655,170, Oct. 13.

Ferguson, William C., assignor to The Presstite Engineering Company, St. Louis, Mo. Plastic-coated pipe and pipe fittings. 2,646,822, July 28.

Ferguson, William, assignor to National Airoil Burner Company, Incorporated, Philadelphia, Pa. Combustion apparatus for furnaces. 2,659,424, Nov. 17.

Ferguson, William H., assignee: *See*—
Spotts, Leo E.

Ferguson, William H., assignor of one-half to L. Ferguson, Kingston, N. Y. Paintbrush having a plurality of detachable tuft sections. 2,629,125, Feb. 24.

Ferguson, William H., Melrose, assignor to H. K. Porter, Inc., Somerville, Mass. Appliance for positioning automobile body parts for repair operations thereon. 2,646,101, July 21.

Ferling, Harry J., Baltimore, Md. Travel game board and pegs. 2,655,381, Oct. 13.

Ferlise, Louis, Middletown, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Mounting clip for mirrors and the like. 2,625,080, Jan. 13.

Ferm, Glenn O.: *See*—
Willing, Joseph E., and Ferm.

Ferm, John F., Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Apparatus for grinding disks. 2,651,149, Sept. 8.

Ferman, Saul M., assignor to Bendix Aviation Corporation, Detroit, Mich. Louver. 2,647,453, Aug. 4.

Fermanian, Armen, Rutherford, and A. P. Jurnak, Elizabeth, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Unloading apparatus. 2,634,696, Apr. 14.

Fernald, Charles F., assignor to Barnes & Jones, Incorporated, Jamaica Plain, Mass. Control unit for thermostatic valves. 2,628,783, Feb. 17.

Fernald, Merritt C., Roanoke, Va., assignor to C. S. Loeb, New York, N. Y. N-benzyl-ethoxynaphthylpropanolamines and method of producing same. 2,629,738, Feb. 24.

Fernald, Russell G., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling granular material. 2,658,603, Nov. 10.

Fernández, José V., Buenos Aires, Argentina. Apparatus for printing designs on cylindrical bodies. 2,652,771, Sept. 22.

Fernberg, Eric B., Pinner, England. Closure device for apertures. 2,626,080, Jan. 20.

Fernberg, Eric B., Pinner, England. Car seat fabric clip. 2,639,764, May 26.

Fernekees, James E.: *See*—
Palmer, Ralph L., Fernekees, Haddad, Phelps and Williams.

Fernstrom, Herman, assignee: *See*—
Hansson, Karl J.

Fero, Claude L., Stoneham, Mass. Horizontal boom swivel device for locomotive cranes. 2,649,211, Aug. 18.

Ferrainolo, Joseph J., Pittsburgh, Pa. Portable apparatus for analyzing gases. 2,633,411, Mar. 31.

Ferraiuolo, John J., assignee: *See*—
Campodonico, John J.

Ferrante, Marco, Brooklyn, N. Y. Device for attaching fabric to umbrella ribs. 2,625,947, Jan. 20.

Ferrante, Marco P.: *See*—
Cutrone, Joseph J., and Ferrante.

Ferranti Limited, assignee: *See*—
Taylor, Maurice K., and Vaughan-Jones.

Ferrar, Bernard, Los Angeles, Calif. Slip sheeter attachment for duplicators. 2,647,463, Aug. 4.

Ferrari, Amerigo J., Stapleton, N. Y. Massaging attachment for toothbrushes. 2,642,604, June 23.

Ferrari, Andrés, Jr., Uniondale, assignor to Technicon Chemical Company, Inc., New York, N. Y. Clearing agents for histological tissue. 2,645,618, July 14.

Ferrari, Andrés, Jr., Uniondale, assignor to Technicon Chemical Company, Inc., New York, N. Y. Clearing agents for histological tissue. 2,645,647, July 14.

Ferrari, Andrés, Jr., Uniondale, assignor to Technicon Chemical Company, Inc., New York, N. Y. Mounting medium for microscope slides and securing the cover glasses therefor. 2,661,659, Dec. 8.

Ferrari, Ernest R., Vancouver, Wash. Saw tooth shaper with wear faces. 2,662,426, Dec. 15.

Ferrari, Jacques, Marseille, assignor to Etablissements Paul Ducros, Le Canet-Marseille, France. Spring-plate valve. 2,637,519, May 5.

Ferraris, John T.: *See*—
Lofgren, Gustaf E., Lampe, and Ferraris.

Ferreira, Charles W., assignor to E. L. Denison, Miami, Fla. Venetian blind. 2,625,220, Jan. 13.

Ferrell, George W., assignee: *See*—
Hill, Earl J.

Ferrell, Harold A., Halifax, Va. Tractor bumper. 2,646,303, July 21.

Ferrera, Anthony, Dearborn, assignor of one-half to J. Scappaticci, Wayne County, Mich. Hood ornament. 2,624,976, Jan. 13.

Ferrier, David J., St. Kilda, Victoria, Australia. Amplifying apparatus for use with telephones. 2,639,329, May 19.

Ferrier, Herman A. Oakland Calif. Filler box for cushion filling machines 2,652,962, Sept. 22.

Ferrier, Joseph G., Riverdale Heights, Md. Animated display placard. 2,658,304, Nov. 10.

Ferrill, Thomas M., Jr., Garden City, N. Y. Vehicle signaling. 2,661,070, Dec. 1.

Ferrin, Arthur M., Eden, Utah. Adjustable implement for paring vegetables. 2,645,851, July 21.

Ferrin, Kenneth S., assignor to The National Cash Register Company, Dayton, Ohio. Record member. 2,650,024, Aug. 25.

Ferrin, Lester T., Tonasket, Wash. Sickle bar sharpening implement. 2,654,187, Oct. 6.

Ferris, Donald E., St. John, New Brunswick, Canada. Electrolytic method and apparatus for sterilizing water. 2,658,033, Nov. 3.

Ferris, Donald K.: *See*—
Geyer, Howard M., and Ferris.

Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Clothes washing machine. 2,637,190, May 5.

Ferris, Frank B., Jr., San Bernardino, Calif. Brush grubbing device. 2,632,261, Mar. 24.

Ferris, Robert G., assignor to Starline Inc., Harvard, Ill. Swivel hanger for cow stall stanchions and the like. 2,661,178, Dec. 1.

Ferris, Seymour W., Mount Holly, N. J., assignor to Sun Oil Company, Philadelphia, Pa. Container having wax product coating. 2,624,501, Jan. 6.

Ferris, Seymour W., Mount Holly, N. J., assignor to Sun Oil Company, Philadelphia, Pa. Wax product and process of preparing same. 2,624,693, Jan. 6.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Making vane tracks for hydrodynamic machines. 2,627,650, Feb. 10.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Rotary pump and motor hydraulic drive having a substantially constant output speed. 2,630,681, Mar. 10.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Spring for urging outward the vanes of vane type hydrodynamic machines. 2,632,398, Mar. 24.

Ferris, Walter, Milwaukee, Wis. Piston assembly for axial type hydrodynamic machines. 2,638,850, May 19.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Sliding vane type hydrodynamic machine. 2,641,195, June 9.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Vane track for hydrodynamic machines. 2,646,003, July 21.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Reduction of noise and shock in power pumps. 2,661,695, Dec. 8.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Axial type hydrodynamic machine. 2,661,701, Dec. 8.

Ferro Corporation, assignee: *See*—
Duncan, Russell F.
Ginther, James H.
Pelz, Robert W.
Skinner, Robert E., and McIntyre.

Ferro Engineering Company, The, assignee: *See*—
Anthony, Benjamin F.

Ferro, Louis, Providence, R. I. Piercing earring. 2,647,379, Aug. 4.

Ferro Stamping Company, assignee: *See*—
Fish, Carl C.
Fish, Carl C., and Haberstrump.

Ferros Metals Research Company Limited, assignee: *See*—
Chisholm, Gilbert G.

Fessenden, Ace C., assignee: *See*—
Lewis, Arthur J.
Sanford, Roy S.

Fessenden, George R., Baltimore, Md. Preserving plant and animal tissues. 2,658,836, Nov. 10.

Fessler, William A., Prince George County, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Surface-reactive composition. 2,626,244, Jan. 20.

Fessler, William A., Prince George County, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Olefin sulfitation process. 2,653,970, Sept. 29.

Feten, Lewis C., Long Beach, Calif. Overcoming elongation of pulses. 2,652,451, Sept. 15.

Fetrow, Gene B., and J. B. Browning, Ontario, Calif. Method and apparatus for heating orchards and the like. 2,632,978, Mar. 31.

Fetscher, Charles, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Obtaining luster in cotton fabric by mercerizing and calendering the fabric. 2,646,341, July 21.

Fetsko, Francis E., Arlington, Va. Screw removing tool. 2,632,486, Mar. 24.

Fett, Gilbert H., Champaign, Ill., and R. J. La Plante, Schenectady, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Low reactance shunt. 2,640,092, May 26.

Fettel, Martin G., Cleveland, Ohio. Electric fan. 2,652,974, Sept. 22.

Fetter, William G., A. F. Wood, and E. F. Holt, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Wrinkle type replaceable cap for welding electrodes. 2,663,783, Dec. 22.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Fuel and preparing same. 2,630,405, Mar. 3.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Urea complexes. 2,634,261, Apr. 7.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Dewaxing process. 2,642,377, June 16.

Fettig, Arthur J., Grosse Pointe Farms, assignor to Burroughs Adding Machine Company, Detroit, Mich. Amount entering means for accounting machines. 2,637,494, May 5.

Feuer, Henry: *See*—
Hass, Henry B., and Feuer.

Feuer, Irving: *See*—
Seederer, Jacob E., and Feuer.

Feustel, Ernest A., Hasbrouck Heights, N. J. Spe
and control mechanism. 2,638,006, May 12.

Few, William, East Cleveland, and O. M. Bundy,
to The Clark Controller Company, Cleveln
Power press control. 2,636,138, Apr. 21.

Few, William, and J. D. Sauter, Cleveland He
signors to The Clark Controller Company,
Ohio. Electric motor system of wire block
2,664,529, Dec. 29.

Fey, Mathias J., assignor to Nichols Wire
Company, Davenport, Iowa. Sheet cutting
2,637,394, May 5.

Fey, Regis F.: *See*—
Kramer, William M., and Kramer.

Feyes, Joseph F., San Francisco, Calif. Comb
tion key and emergency brake reminder m
2,642,145, June 16.

Feyrer, William F., Englewood, N. J., assigne
Products Corporation. Machine for automatic
ing curlers. 2,629,296, Feb. 24.

Fezzey, Chester T., assignor to Accessory Maker
Mich. Window regulator. 2,646,276, July 21

Fiat S. p. A., assignee: *See*—
Mosso, Angelo, and Montanari.

Fiat Societa per Azioni, assignee: *See*—
Giacosa, Dante.

Fibre-Metal Products Company, The, assignee:
Bowers, Charles E.
Bowers, Charles E., Sr.
Mailiart, Edmond B.

Fibus, Murray M., assignee: *See*—
Burke, James P.

Fichter, Ludwig J., Rockford, Ill., assignor to T
Company, North Canton, Ohio. Electric
2,641,175, June 9.

Fick, Nathaniel C., and N. A. Crites, Columbus,
signors, by mesne assignments, to Standard St
Company, Coraopolis, Pa. Interleaf spacer fo
springs. 2,632,640, Mar. 24.

Fidance, Joseph V., assignee: *See*—
Dadley, Harry R.

Fiddler, Benjamin E.: *See*—
Schane, Harry P., and Fiddler.

Fideiman, Paul H., New York, N. Y. Straight s
trolled escapement regulating system. 2,647,3

Fidler, Robert C., Los Angeles, Calif. Ti
2,654,337, Oct. 6.

Fiedler, Clifford O., San Gabriel, Calif. Apparat
moving air from ceramic materials. 2,628,40

Fiedler, Ernst, Scotch Plains, N. J. Alarm syst
and gas fired heating furnaces. 2,659,334, No

Fiedler, Stuart O.: *See*—
Bjorksten, Johan, Fiedler, and Yaeger.

Field, Alan D., Eatontown, N. J. Plant packing
2,628,753, Feb. 17.

Field, Crosby, Brooklyn, N. Y. Coiling and ce
metal stock and the article formed thereby.
Feb. 24.

Field, Crosby, assignor to Flakice Corporation,
N. Y. Extrusion apparatus and method.
July 28.

Field, Edmund: *See*—
Kuentzel, Ward E., and Field.

Field, Edward A., Mendota, Ill. Draft control.
Jan. 6.

Field, Edward A., Mendota, Ill. Barometric d
lator. 2,650,029, Aug. 25.

Field, Edward A., Mendota, Ill. Barometric dra
tor. 2,652,200, Sept. 15.

Field and Flint Co., assignee: *See*—
Flint, Perley G., and Maguire.

Field, Forrest S., Pittsburgh, Pa. Vehicle locat
tor. 2,635,372, Apr. 21.

Field, Frank: *See*—
Wiesner, Wayne, and Field.

Field, Howard, Jr.: *See*—
Lewis, Howard B., and Field.
Lewis, Howard B., Larson, and Field.

Field, Jacob M., Brooklyn, N. Y. Form for te
rial or the like. 2,660,298, Nov. 24.

Field, James E., and S. D. Gehman, assignors to
Corporation, Akron, Ohio. Radiation type the
device. 2,635,468, Apr. 21.

Field, John A., Wilstead, England, assignor
Hammer, Inc., Milwaukee, Wis. Device for
alternating current impedances. 2,660,705, N

Field, John G., Edmonton, Alberta, Canada,
mentary clothesline. 2,653,719, Sept. 29.

Field, John J., Pocatello, Idaho. Combination
playpen. 2,651,786, Sept. 15.

Field, Lester M., Palo Alto, assignor to The
Trustees of The Leland Stanford Junior U
Stanford University, Calif. Traveling w
2,645,737, July 14.

Field, Lloyd M., deceased, New London, Ohio
Karcher, Pueblo, Colo., executrix, assignor,
assignments, to A. R. Cochrane, Pittsburgh
trustee. Spark plug. 2,630,107, Mar. 3.

Field, Lloyd M., deceased, New London, Ohio; F. J. F. Karcher, Pueblo, Colo., executrix, assignor, by mesne assignments, to A. R. Cochrane, Pittsburgh, Pa., trustee. Spark plug. 2,635,598, Apr. 21.

Field, Lloyd M., deceased, New London, Ohio; F. J. F. Karcher, Pueblo, Colo., executrix, assignor, by mesne assignments to A. R. Cochrane, trustee, Pittsburgh, Pa. Spark plug. 2,658,934, Nov. 10.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Straight course locator for airplanes. 2,638,590, May 12.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Frequency generator. 2,651,734, Sept. 8.

Field, Philip M., New York, N. Y., assignor to Charles Beseler Company, Newark, N. J. Copy locating and loading means for projector apparatus. 2,624,235, Jan. 6.

Field, Philip M., New York, N. Y., assignor to Charles Beseler Company, Newark, N. J. Copy retention and housing ventilating means for opaque projector apparatus. 2,661,655, Dec. 8.

Field, Walter P., Brockton, Mass. Last. 2,642,597, June 23.

Field, William J., Minneapolis, and R. L. Perkins, assignors to Engineering Research Associates, Inc., St. Paul, Minn. Magnetic telegraphophone transducer. 2,660,622, Nov. 24.

Fielden (Electronics) Limited, assignee: *See*—
Fielden, John E.

Fielden, John E., Wythenshawe, Manchester, assignor to Fielden (Electronics) Limited, Manchester, England. Proximity meter. 2,656,507, Oct. 20.

Fieldhouse, John N.: *See*—
Naylor, Joshua C., and Fieldhouse.

Fielding, George T., Stamford, Conn. Loose-leaf book construction. 2,663,577, Dec. 22.

Fielding, Jeanne M., New York, N. Y. Picture frame. 2,634,531, Apr. 14.

Fielding, Melvin, Chicago, and O. S. Mundy, Wheaton, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing the winding properties of filaments. 2,648,223, Aug. 11.

Fielding, Sterling A., Portsmouth, Va. Hydraulic pitch control device for propellers. 2,661,807, Dec. 8.

Fielding, William O., Logan, assignor to Merrill Coal Company, Henlawson, W. Va. Mining machine of front kerf cutting type. 2,636,722, Apr. 28.

Fields, Arnold C., Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,632,522, Mar. 24.

Fields, Arnold C., Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,662,608, Dec. 15.

Fields, Claude O., assignee: *See*—
Bathurst, Thomas T.

Fields, Ellis K., Chicago, Ill., assignor to Research Corporation, New York, N. Y. Producing aminomethylphosphonic acid compounds. 2,635,112, Apr. 14.

Fields, Elta E., Marion, Ohio. Livestock feeder. 2,642,838, June 23.

Fields, Ernest, New York, N. Y. Toy roundabout. 2,628,095, Feb. 10.

Fields, Ernest, New York, N. Y. Toy track game. 2,636,114, Apr. 21.

Fields, Ernest, New York, N. Y. Track game with single rail. 2,645,185, July 14.

Fields, Ernest E., Newark, F. A. Jova, Kearny, and F. P. Librizzi, Union, N. J. Material level control means for feed hoppers. 2,633,509, Mar. 31.

Fields, George C., Wilmette, Ill., assignor to Whirlpool Corporation, St. Joseph, Mich. Wobble plate laundry machine. 2,645,111, July 14.

Fields, Irving: *See*—
Heitlinger, Eugene V., Fields, and Ray.

Fields, Joseph E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Liquid addition product of an acetal and dialkyl esters of an alpha-beta unsaturated aliphatic dicarboxylic acid as an antifoaming agent for hydrocarbon oils. 2,642,369, Sept. 15.

Fields, Joseph E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Hydrocarbon oil compositions. 2,644,794, July 7.

Fields, Joseph E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Hydrocarbon oil composition. 2,644,795, July 7.

Fields, Joseph E., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Hydrocarbon oil compositions containing telomeric polyalkyl oxoesters as anti-foaming agents. 2,653,911, Sept. 29.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Bottle with light shield. 2,625,286, Jan. 13.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Puncture indicating closure for multiple dose vials. 2,629,379, Feb. 24.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Medicine dropper. 2,651,437, Sept. 8.

Fiero, Carl D.: *See*—
Jenner, Ralph L., and Fiero.

Fies, Milton H., assignee: *See*—
Glaze, Paul E.

Fiess, Roland, Ephrata, Wash. Harvesting reel. 2,654,984, Oct. 13.

Fiet, Owen O., Oaklyn, and R. M. Scudder, Westmont, N. J., assignors to Radio Corporation of America. Ultrahigh-frequency broadcast antenna system. 2,658,143, Nov. 3.

Fifield, Harold F., assignor to American Metal Products Company, Detroit, Mich. Seat track of the swinging type for automotive vehicles. 2,630,159, Mar. 3.

Figdor, Hans G., Philadelphia, Pa. Water repellent composition. 2,635,055, Apr. 14.

Figore, Roland E., Tarentum, Pa., and E. A. Otto, Reseda, Calif. Hydraulic windshield wiper motor. 2,655,134, Oct. 13.

Fike, Elmer A., Nitro, W. Va., and H. E. Bruner, Akron, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Water-insoluble salts of dithiocarbamic acid made rapidly water dispersible and compositions thereof. 2,662,841, Dec. 15.

Fikse, Wilhelm, Buena Park, Calif. Hydraulic brake actuating device for trailers. 2,630,888, Mar. 10.

Filak, Andrew M., Lakewood, assignor to J. R. Cox, Columbus, Ohio, as trustee. Eyebrow pencil. 2,642,039, June 16.

Filander, Arthur H., assignor to Franklin Balmar Corporation, Baltimore, Md. Jar-handling equipment for capping machines. 2,656,084, Oct. 20.

Filar, Leo J., and M. A. Taves, assignors to Hercules Powder Company, Wilmington, Del. Production of phenol and ketones by decomposition of hydroperoxides. 2,663,735, Dec. 22.

Filardo, Laurin, Los Angeles, Calif. Metatarsal length compensating device. 2,641,066, June 9.

Filbey, Emery T., trustee, assignee: *See*—
Beadle, Buell W., and Kraybill.

Filetz, George J.: *See*—
Ware, Gordon K., and Filetz.

Filice, Ernest C., Sun Valley, Calif. Muting device for accordions. 2,639,640, May 26.

Fill, Metro, West Kildonan, Manitoba, assignor to Canada Packers Limited, Saint Boniface, Manitoba, Canada. Aitchbone cutter. 2,644,194, July 7.

Fillebrown, William C., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pick-off device. 2,633,028, Mar. 31.

Filliette, Raymond, Rueil-Malmaison, assignor to La Télémécanique Electrique (Société Anonyme), Seine, France. Means for adjusting thermostatic relays. 2,658,126, Nov. 3.

Fillion, Stanley H.: *See*—
Clark, Leverett M., and Fillion.

Filliung, Jacques J., assignor to Sloan Valve Company, Chicago, Ill. Flush valve operating arrangement. 2,635,691, Apr. 21.

Filliung, Jacques J., assignor to Sloan Valve Company, Chicago, Ill. Vacuum breaker. 2,663,309, Dec. 22.

Fillmore Improvement Company, assignee: *See*—
Reese, Ray H.

Filmsort, Inc., assignee: *See*—
Baker, Leonard.
Langan, John F.
McArthur, Donald W.
Roetger, Richard C.
Rounsefell, Clifford P.

Filocamo, Aldo, Milan, Italy. Electric automatic operating apparatus for mechanical speed changing devices, particularly for motor cars. 2,647,411, Aug. 4.

Fil-O-Matic Corporation, assignee: *See*—
Mart, Harry A.

Filper Corporation, assignee: *See*—
Perrelli, Joseph.

Filsinger, Dean L.: *See*—
Filsinger, Raymond D. and D. L.

Filsinger, Raymond D. and D. L., Clearwater, Nebr. Vehicle hauling elevator. 2,656,034, Oct. 20.

Filstrup, Edward C., Jr., St. Joseph, assignor to Armstrong Coalbreak Company, Benton Harbor, Mich. Control for charging fluid containers. 2,630,826, Mar. 10.

Filter Tips Limited, assignee: *See*—
Edwards, William F. M.

Filtex Corporation, assignee: *See*—
Lovick, John B.

Filton Limited, assignee: *See*—
Barske, Ulrich M. W.

Filtors, Incorporated, assignee: *See*—
Molyneux, Cecil P.

Fina, Perry B., New York, N. Y. Valve controlled muffler with a plurality of through passages. 2,625,234, Jan. 13.

Finan, Thomas: *See*—
Brown, Everett C., and Finan.

Finan, Thomas J., Detroit, Mich. Deflated tire warning device. 2,663,009, Dec. 15.

Finch, Charles, assignee: *See*—
Luczko, Thomas R.

Finch, Emory D., Atlanta, N. Y. Pencil point protector. 2,627,845, Feb. 10.

Finch, Eugene E.: *See*—
Whitcomb, Keith R., and Finch.

Finch, Harry de V.: *See*—
Winkler, De Loss E., and Finch.

Finch, Harry de V., El Cerrito, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Tetrahydrophthalic acid compounds. 2,632,011, Mar. 17.

Finch, Harry de V., Berkeley, and K. E. Furman, Richmond, assignors to Shell Development Company, Emeryville, Calif. Converting olefinic hydrocarbons to ketones. 2,635,119, Apr. 14.

Finch, Harry de V., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Preparation of N-substituted saturated diamines. 2,652,430, Sept. 15.

Finch, Harry J., Oil City, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Tool for finishing tube ends. 2,645,000, July 14.

Finch, Nick, assignee: *See*—
Luczko, Thomas R.

Finch, Percy R., assignor to E. Glasser, Chicago, Ill. Temperature indicator for nursing bottles. 2,648,226, Aug. 11.

Finch, Thomas E., Pittsfield, Mass., assignor to General Electric Company. Brazing resistor terminals. 2,629,922, Mar. 3.

Fincher, John L., assignor to Lufkin Foundry and Machine Company, Lufkin, Tex. Ball roller counterweight. 2,627,759, Feb. 10.

Fincher, Louis, Lufkin, Tex. Self-reversing rotary pump. 2,625,105, Jan. 13.

Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,634,202, Apr. 7.

Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Sulfation of aliphatic alcohols. 2,634,287, Apr. 7.

Fincke, John K., San Jose, Calif., assignor to Monsanto Chemical Company, St. Louis, Mo. 1[2-(alkylsulfonyl) ethyl]pyridinium halides and their use as herbicides. 2,657,988, Nov. 3.

Fin-der Inc., assignee: *See*—
Finder, George A.

Finder, George A., assignor to Fin-der Inc., San Diego, Calif. Musical instrument construction. Re. 23,620, Feb. 24.

Finder, George A., assignor to Fin-Der, Inc., San Diego, Calif. Adjustment for saxophone neck support. 2,630,255, Mar. 3.

Findlater, Stevenson, Pittsburgh, Pa., assignor to United States Steel Corporation. Kickout device. 2,650,694, Sept. 1.

Findlay, James A., near Bellevue, assignor to Boeing Airplane Company, Seattle, Wash. Wire holder. 2,650,948, Sept. 1.

Findlay, John H.: *See*—
McCurdy, William H., Findlay, and Werner.

Findlay, Robert A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Device and process for converting hydrocarbons. 2,643,216, June 23.

Findlay, Robert A., Bartlesville, Okla, assignor to Phillips Petroleum Company. Making high octane gasoline. 2,656,301, Oct. 20.

Findlay, Robert A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of hydrocarbon materials. 2,656,307, Oct. 20.

Findley, Howard J., Lyndhurst, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Band brake. 2,641,338, June 9.

Findley, Jack R., Bellflower, Calif. Brick cutter. 2,653,594, Sept. 29.

Findley, Jack R., Bellflower, Calif. Concrete form. 2,661,517, Dec. 8.

Findley, John E., Springfield, Colo. Sediment bulb for carburetors. 2,646,884, July 28.

Findley, Joseph D., Jr.: *See*—
Lingal, Harry J., and Findley.

Fine, Bernard M., Lynn, Mass., assignor to Radiograph Development Corporation, Washington, D. C. Color radiography. 2,644,096, June 30.

Fine, Harry, New York, N. Y. Cryptogrammic device. 2,624,958, Jan. 13.

Fine, John A., Knoxville, Tenn. Display device. 2,651,862, Sept. 15.

Fine, Morris: *See*—
Light, Aaron L., and Fine.

Fine, Norman: *See*—
Spitzer, Joseph G., Reich, and Fine.

Fine, Samuel: *See*—
Rittner, Edmund S., and Fine.

Fine, Richard De M., III, Merchantville, N. J., assignor to McNeil Laboratories, Incorporated, Philadelphia, Pa. Riboflavin-monoborate and preparation thereof. 2,650,894, Sept. 1.

Finegan, Carl R., Elyria, Ohio. Instructional voting machine. 2,627,125, Feb. 3.

Fineman, Bernard and I., Philadelphia, Pa. Separable guard for trouble lamps. 2,659,810, Nov. 17.

Fineman, Isadore: *See*—
Fineman, Bernard and I.

Fineo, Vincent P., Brooklyn, N. Y. Vehicle side window cleaning device. 2,636,775, Apr. 28.

Finger, Philip M., St. Louis, Mo. Portable gravel screen. 2,640,592, June 2.

Finglass, Samuel R.: *See*—
Michaelson, Jack, and Finglass.

Finizie, Edmond J., assignee: *See*—
Finizie, Lyonel T.

Finizie, Lyonel T., Grand Prairie, Tex., ass
E. J. Finizie, Bridgeport, Conn. Cooking ap
2,631,525, Mar. 17.

Finizie, Lyonel T., Grand Prairie, Tex., assignor
Finizie, Bridgeport, Conn. Cooking ap
2,641,177, June 9.

Finizie, Tomun, Bridgeport, Conn., and J. J.
Pelham Manor, N. Y., said Finizie assignor
Electric, Incorporated, Bridgeport, Conn.
tape printing device. 2,649,045, Aug. 18.

Finizie, Tomun, Bridgeport, Conn., and J. J.
Pelham Manor, N. Y., said Finizie assignor
Electric, Incorporated, Bridgeport, Conn.
printer for strip stock. 2,660,114, Nov. 24.

Fink, Albert O., assignor to The Commonweal
neering Company of Ohio, Dayton, Ohio.
pyrolytic plating apparatus. 2,650,564, Sept.

Fink, Albert O., assignor to The Commonwealth
ing Company of Ohio, Dayton, Ohio. Bonding
carbonyl deposits. 2,653,879, Sept. 29.

Fink, Albert O., and A. E. Bishop, assignors to
monwealth Engineering Company of Ohio, Dayt
Plating wire. 2,656,283, Oct. 20.

Fink, Arthur, assignor to Plastodent, Inc., Ne
N. Y. Dental impression material. 2,652,31
15.

Fink, Charles A., Chicago, Ill. Mechanical se
vice. 2,634,990, Apr. 14.

Fink, Dale F., Wood River, R. A. Greger, Edwa
and F. R. Alsberg, East Alton, Ill., assignors
Development Company, San Francisco, Calif.
ing asphalt. 2,627,498, Feb. 3.

Fink, George A., Dayton, Ohio. Photoelectric
operated amplifier. 2,651,019, Sept. 1.

Fink, George A., Flushing, N. Y. Method and m
comminuting solid particles. 2,628,785, Feb. 1

Fink, Herbert H., Akron, Ohio, assignor to The B.
rich Company, New York, N. Y. Seat su
2,638,148, May 12.

Fink, Herbert H., and W. E. Fabing, Akron, Ohio
ors to The B. F. Goodrich Company, New Yo
Hollow article. 2,627,360, Feb. 3.

Fink, Israel J., and W. V. McNeely, Cincinna
Automatic metalworking machine. 2,640,253,

Fink, Jenn: *See*—
Richardson, Rodney G., and Fink.

Fink, Jean, Delavan, assignor to Gibbs Manuf
and Research Corporation, Janesville, Wis. Pa
construction. 2,663,139, Dec. 22.

Fink, Lucynda I., Liscomb, Iowa. Hair waver. 2
Apr. 28.

Fink, Mearl M., Toledo, Ohio. Uniformly collapsi
2,643,027, June 23.

Fink, Melvin M.: *See*—
Foreman, Robert W., and Fink.

Fink, Milton, Kew Garden Hills, N. Y. Deodor
tainer. 2,631,890, Mar. 17.

Finkbeiner, Theodore, and C. Funk, Wakeene
Clothesline trolley. 2,627,819, Feb. 10.

Finkbone, Burl E., assignor to The Fairfield Pa
Container Company, Baltimore, Ohio.
2,632,595, Mar. 24.

Finke, Herbert A.: *See*—
Gaffney, Francis J., and Finke.

Finke, Herbert A., and A. H. Sonnenschein, Ne
assignors to Polytechnic Research and Dev
Company Incorporated, Brooklyn, N. Y. M
pressor for external cavity klystron os
2,644,889, July 7.

Finke, Jacob S., University City, Mo. Ice-cream
ing machine. 2,628,576, Feb. 17.

Finkel, Abraham M., Los Angeles, Calif. Cigar
tainer. 2,630,213, Mar. 3.

Finkel, Edward, assignor to J. F. D. Manufactu
Inc., Brooklyn, N. Y. Antenna having
lightning arrester. 2,651,720, Sept. 8.

Finkel, Julius, Brooklyn, N. Y. Antenna a
2,654,857, Oct. 6.

Finkel Umbrella Frame Company, Inc., The,
See—
Militano, Vincent.

Finkelstein, Jacob, East Paterson, and J. Lee, Es
assignors to Hoffmann-La Roche Inc., Nutley,
alkyl-2 or 4-[(N-alkyl-N-β-dialkylaminoalkyl)
phenethyl]-piperidines and salts thereof.
Jan. 27.

Finkelstein, Leo, Aberdeen, and S. J. Magram, B
Md., assignors to the United States of Am
represented by the Secretary of War. Smoke g
2,633,455, Mar. 31.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.

Finkl, Charles W., Evanston, Ill. Throttle
2,655,051, Oct. 13.

Finkle, Earl: *See*—
Brown, Charles B., Cox, MacHenry, and Fink

Finkurn Enterprises, Inc., assignee: *See*—
Kurnick, Abraham, and Brownstein.

Finlay, Alexander, Swissvale, assignor to West
Air Brake Company, Wilmerding, Pa. Transm
coded carrier control systems. 2,631,275, Mar.

Finlay, Alexander, and J. W. Clark, Marquette, assignors to Lake Shore Engineering Company, Iron Mountain, Mich. Skip. 2,649,983, Aug. 25.

Finlay, Donald W., and O. D. Rohlfs, assignors to Boeing Airplane Company, Seattle, Wash. Collapsible truss structure. 2,636,457, Apr. 28.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Retractable stand for flatirons. 2,644,256, July 7.

Finlayson, William G., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,653,626, Sept. 29.

Finley, Robert W.: *See*—
Talmage, John H., and Finley.

Finn, Alfred R., Leaside, Ontario, and L. Rostoker, Toronto, Ontario, Canada. Electrical signal system for traffic lights. 2,644,147, June 30.

Finn, Edward J., Naugatuck, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Combination through-wall flashing and receiver for side-wall flashing. 2,639,679, May 26.

Finn, John S.: *See*—
Bishop, Lewis H., and Finn.
Mead, William H., Bishop, and Finn.

Finn, Kenneth F., Omaha, Nebr. Adjusting and latch means for slidable side jaw wrenches. 2,657,606, Nov. 3.

Finn, Robert S.: *See*—
Hawkins, James E., and Finn.

Finn, Thomas J., West Roxbury, Mass. Stapling machine. 2,625,680, Jan. 20.

Finneburgh, Lewis H., Jr., Cleveland Heights, Ohio. Television antenna. 2,630,531, Mar. 3.

Finneburgh, Lewis H., Jr., Cleveland Heights, Ohio. All band television antenna. 2,655,599, Oct. 13.

Finney, Leatha A., Bethel, Kans. Receptacle. 2,660,347, Nov. 24.

Finnicum, Donald E.: *See*—
Tigert, Clyde R., and Finnicum.

Finnie & Norbom, assignee: *See*—
Norbom, Ragnar A.

Fino, Alexander F., and F. L. Plummer, assignors to Hammond Iron Works, Warren, Pa. Oil tank. 2,624,490, Jan. 6.

Finstead, Theron E., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Assembling ball bearing wheel structures. 2,624,104, Jan. 6.

Finsterwalder, Ulrich, Munich, Germany. Arch dam. 2,631,434, Mar. 17.

Finwall, Leonard O., St. Paul, Minn. Convertible high chair and stool. 2,630,164, Mar. 3.

Fiordalisi, Fernanda: *See*—
Reiner, Laszlo, and Fiordalisi.

Fiordelisi, Ernesto, New York, N. Y. Concrete block construction. 2,658,378, Nov. 10.

Fiori, Irving, assignor to Art Specialty Co., Chicago, Ill. Lamp housing with grommeted lead-in holding means. 2,662,110, Dec. 8.

Fiorine, Ethel: *See*—
Sunderland, Louis, Fiorine, and Berger.

Fiorino, Pasquale, Norwood, R. I., assignor to Universal Winding Company, Boston, Mass. Combined yarn-guide and tension device. 2,657,878, Nov. 3.

Fiorino, Sam, Du Quoin, Ill. Workholding attachment for lathes. 2,655,829, Oct. 20.

Fiorucci, Thomas J., Phoenix, Ariz. Automobile door switch deactivator. 2,656,427, Oct. 20.

Fir-Tex Insulating Board Co., assignee: *See*—
Robison, John E.

Firecraft Corporation, assignee: *See*—
Miller, Karl B.

Fireproof Tanks Limited, assignee: *See*—
Locke, Walter F.

Firestine, John C.: *See*—
Vinton, William H., and Firestine.

Firestine, John C., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions containing sensitizing dyes. 2,647,050, July 28.

Firestone, Floyd A., Washington, D. C., assignor to United Aircraft Corporation, East Hartford, Conn. Supersonic inspection device. 2,625,035, Jan. 13.

Firestone Tire & Rubber Company, The, assignee: *See*—
Albert, Harry E.
Ambelang, Joseph C.
Bosomworth, George P.
Brown, Roy W.
Collins, Jack B.
Eberly, Kenneth C., and Best.
Eberly, Kenneth C., and Reid.
Eller, Joseph C., and Lyon.
Glymph, Eakin M.
Gollings, Archie H.
Griffith, John F., Lange, and Fisher.
Hensley, William A.
Humphrey, Bingham J., and Reid
Kitchen, Leland J.
Kubaugh, Le Roy M.
Manning, Charles E., and Walch.
McDonald, John E.
Secrest, William J.
Smith, George E. P., Jr.
Smith, Walter K.
Smith, William M., Jr.
Smith, William M., Jr., and Reid.

Firestone Tire & Rubber Company, The, assignee: *See*—Continued.
Spencer, George A.
Stevens, Horace D.
Wiseman, Park A.
Wohler, Leonard A., and Schmidt.

Fireye Corporation, assignee: *See*—
Anderson, Norman C.

Firing, Osborne, assignor to Scovill Manufacturing Company, Waterbury, Conn. Slide fastener. 2,628,400, Feb. 17.

Firing, Osborne, Woodbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Quick-release zipper. 2,632,933, Mar. 31.

Firing, Osborne, Woodbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Automatic lock slider. 2,634,485, Apr. 14.

Firing, Osborne, Woodbury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Automatic lock slider. 2,635,314, Apr. 21.

Firma Karl M. Reich, assignee: *See*—
Reich, Kurt, and Walliser.

Firma Vereinigte Glanzstoff-Fabriken A. G., assignee: *See*—
Martin, Wilhelm, and Heynen.

Firman, Melvin C.: *See*—
Beesch, Samuel C., and Firman.

Firm Blade Razor Company, Inc., assignee: *See*—
Cerino, Michael J.
Cerino, Michael J., and Kingsley.

Firmenich & Co., successeurs de la Societe Anonyme M. Naef & Cie, assignee: *See*—
Grütter, Heinrich.
Stoll, Max.

Firminhac, Ralph H., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Survey instrument. 2,656,476, Oct. 20.

First National Bank of San Marcos, The, assignee: *See*—
Crews, James H.

First National Bank and Trust Company of Hamilton, The, executor: *See*—
Yingling, Frank B.

Firth, Albert: *See*—
Ashworth, Joseph, and Firth.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. V belt clutch. 2,634,620, Apr. 14.

Firth, Rowland V. D., Sr.: *See*—
Turek, Thomas J., and Firth.

Firth Sterling Steel & Carbide Corporation, assignee: *See*—
Kear, William J.

Fiscella, Carl T., Rutherford, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Linoleum binder containing esters formed by reacting unsaturated drying oil fatty acids and hydroxyalkyl ethers of polyhydric alcohols. 2,629,668, Feb. 24.

Fischbach, Adolph, Ocean Township, Monmouth County, N. J., assignor to the United States of America as represented by the Secretary of the Army. Pile battery fabrication. 2,639,306, May 19.

Fischbach, Adolph, Loch Arbour, and H. J. Mandel, Red Bank, N. J., assignors to the United States of America as represented by the Secretary of the Army. Primary battery and making the same. 2,636,060, Apr. 21.

Fischbach, Adolph, Red Bank, and F. Hochberg, Loch Arbour, N. J., assignors to the United States of America as represented by the Secretary of the Army. Preparation of porous zinc electrodes. 2,640,864, June 2.

Fischbach, Adolph, Allenhurst, and F. Hochberg, Red Bank, N. J., assignors to the United States of America as represented by the Secretary of the Army. Electrode for primary batteries. 2,656,402, Oct. 20.

Fischback, Bryant C., Walnut Creek, and G. H. Harris, Richmond, Calif., assignors to The Dow Chemical Company, Midland, Mich. Extraction of thioglycolic acid from acidic aqueous media. 2,658,074, Nov. 3.

Fischer, Albert C., deceased, and W. H. Walker, Chicago, Ill.; said Walker assignor to said Fischer; W. C. and C. G. Fischer, executors of said A. C. Fischer, assignors to Servicised Products Corporation. Sealing compound. 2,625,522, Jan. 13.

Fischer, Anthony J., Manhasset, and W. A. Kivell, Bronxville, N. Y., assignors to The Dorr Company, Stamford, Conn. Sewage treatment. 2,624,704, Jan. 6.

Fischer, Arthur H.: *See*—
Vig, Bennie T., and Fischer.

Fischer, Cecile G., executrix: *See*—
Fischer, Albert C.

Fischer, Charles F.: *See*—
St. Petery, Louis B., Howard, and Fischer.

Fischer, Ernst, Offenbach am Main, assignor to Farbwerke Hoechst A. G. vormals Meister Lucius und Brüning, Frankfurt, Germany. Water-insoluble mononazodyestuffs. 2,644,814, July 7.

Fischer, Ernst, Offenbach (Main), assignor to Farbwerke Hoechst A. G. vormals Meister Lucius und Brüning, Frankfurt am Main-Hochst, Germany. Heterocyclic mononazodyestuffs. 2,658,888, Nov. 10.

Fischer, Eugene H.: *See*—
Frink, Russell E., and Fischer.

Fischer, François A.: *See*—
Tarr, Donald T., Jr., and Fischer.

Fischer, Georg, Aktiengesellschaft, assignee: *See*—
Von Zelewsky, Ottomar.

Fischer, Harold, Waterloo, Ontario, Canada. Reclining chair. 2,634,796, Apr. 14.

Fischer, Howard L., assignee: *See*—
Philippi, Matthew H.

Fischer, Howard P., Monaca, Pa. Embossed decorating. 2,626,562, Jan. 27.

Fischer, Howard R., and J. A. Roberts, Utica, assignors to Chicago Pneumatic Tool Company, New York, N. Y. Compression riveter switch. 2,658,966, Nov. 10.

Fischer, Jacob, Jr., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Tube sizing lubricator. 2,652,751, Sept. 22.

Fischer, Johannes, Berlin-Siemensstadt, Germany, assignor to Manufacturers Chemical Corporation, New York, N. Y. Protective treatment of iron. 2,643,959, June 30.

Fischer, John J., and L. J. Morgan, assignors to The Patterson-Kelley Co., Inc., East Stroudsburg, Pa. Tumbling mill feed mechanism. 2,656,162, Oct. 20.

Fischer, Karl, Oberderdingen, Germany. Heating plate structure. 2,664,492, Dec. 29.

Fischer, Karl A., Washington, D. C. Means for producing microphotographs having a three-dimensional effect. 2,639,653, May 26.

Fischer, Laurin G., North Arlington, assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Radio frequency amplitude control device. 2,654,866, Oct. 6.

Fischer & Ludlow Limited, assignee: *See*—
Orwin, Olaf J. B.

Fischer, Milton H.: *See*—
Simon, Edgar K., and Fischer.

Fischer, Paul E.: *See*—
Coffey, Edward J., and Fischer.

Fischer, Paul E., Minneapolis, Minn., assignor, by mesne assignments, to E. G. Staude Manufacturing Company, Inc., Concord, N. H. Method and apparatus for making cartons for packaging of liquids. 2,664,034, Dec. 29.

Fischer, Paul E., and M. B. Sturdevant, Minneapolis, Minn., assignors to General Mills, Inc. Power handling device with protected driving mechanism. 2,634,894, Apr. 14.

Fischer, Paul E., Portland, and E. Ardell, Middletown, Conn., assignors, by mesne assignments, to Emhart Manufacturing Company. Shipping case unloading apparatus. 2,656,060, Oct. 20.

Fischer, Paul M., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for stage encore curtain hoisting motors. 2,626,375, Jan. 20.

Fischer, Paul W., Long Beach, and R. A. Rogers, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Drilling mud. 2,655,475, Oct. 13.

Fischer & Porter Company, assignee: *See*—
Brewer, Nathaniel.

Fischer, Raymond C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Drawbar assembly. 2,659,610, Nov. 17.

Fischer, Thomas L.: *See*—
Thias, Edwin P., Fischer, Gossard, and White.

Fischer, Wallace C., executor: *See*—
Fischer, Albert C., and Walker.

Fischer, Wilbur F.: *See*—
Banes, Fred W., Gessler, and Fischer.
Young, David W., Cottle, and Fischer.

Fischer, Wilbur F., Roselle Park, N. J., assignor to Standard Oil Development Company. Stabilized oxo alcohols. 2,658,923, Nov. 10.

Fischer, Wilbur F., Roselle Park, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Stabilized plastic compositions of chlorine-containing vinyl resins. 2,625,521, Jan. 13.

Fischer, Willard H., assignor to Wee Moderns, Inc., New York, N. Y. Child's outerwear ensemble. 2,641,764, June 16.

Fischl, Fred B.: *See*—
Corner, Eugene S., and Fischl.

Fischl, Fred B., Rahway, and M. W. Hill, Somerville, N. J., assignors to Standard Oil Development Company. Additives for use in extreme pressure gear oils. 2,640,030, May 26.

Fiser, Harlan N., Pittsburgh, Pa. Injection system for internal-combustion engines. 2,624,326, Jan. 6.

Fiser, Harlan N., Pittsburgh, Pa. Sleeve valve means for two-cycle reciprocating engines. 2,646,779, July 28.

Fish, Carl C., Detroit, Mich., assignor to Ferro Stamping Company. Hinge assembly. 2,634,455, Apr. 14.

Fish, Carl C., Detroit, Mich., assignor to Ferro Stamping Company. Hinge construction. 2,639,462, May 26.

Fish, Carl C., and A. H. Haberstrump, Detroit, Mich., assignors to Ferro Stamping Company. Vehicle door construction. 2,658,790, Nov. 10.

Fish, George R., assignor to Edwards Company, Inc., Norwalk, Conn. Gong construction and mounting. 2,646,768, July 28.

Fish, Richard H.: *See*—
Wright, David P., and Fish.

Fish, Richard H., Morgan Hill, Calif., assignor to Air-O Fan Products Corporation. Orchard spraying machine. 2,639,940, May 26.

Fish-Schurman Corporation, assignee: *See*—
Schröder, Hubert.

Fishbein, Meyer: *See*—
Northrop, John K., Fishbein, and Smith.

Fishburne, Edward W., Chicago, Ill. Tethered top. 2,642,698, June 23.

Fisher, Alec, Lynn, Mass., assignor to General Company. Bearing mounting for rotating 2,636,791, Apr. 28.

Fisher, Alec, Lynn, and J. K. Newell, Swampsco assignors to General Electric Company. Dy tric machine. 2,662,195, Dec. 8.

Fisher, Benjamin J., Jr., Utica, N. Y., assignor t Electric Company. Nutating antenna. 2,646 21.

Fisher, Berdene R., Valley Center, Kans. Liqui ing brush. 2,630,594, Mar. 10.

Fisher, Bernard C., Jersey City, N. J. Appa controlling flame propagation in internal-c engines. 2,646,782, July 28.

Fisher, Berne N., Roselle, assignor to General I Corporation, Elizabeth, N. J. Automatic reco phonograph with movable loading support aligning member. 2,637,558, May 5.

Fisher, Carl E., Jr., Royal Oak, Mich., as Industrial Sound Systems, Inc., Clevela Method and apparatus for fabricating sean sules. 2,624,069, Jan. 6.

Fisher, Charles H.: *See*—
Fein, Martin L., and Fisher.
Rehberg, Chessie E., and Fisher.

Fisher, Charles H., Abington, and W. C. Mast, phia, Pa., assignors to the United States of A represented by the Secretary of Agriculture. rubberlike materials from an alkyl acrylate a phatic diene hydrocarbon. 2,643,247, June 2

Fisher, Clarence E., Culver City, Calif. Rel 2,658,961, Nov. 10.

Fisher, Clemence W., West Haven, Conn. lubricator. 2,662,611, Dec. 15.

Fisher, Donald H., and W. Jones, assignor Limited, Cambridge, England. Radio-frequen device. 2,646,684, July 28.

Fisher, Earl E.: *See*—
Smith, Herschel G., Cantrell, and Fisher.

Fisher, Ed W.: *See*—
Sherman, John M., and Fisher.

Fisher, Edward G.: *See*—
Fisher, Milton W. and E. G.

Fisher, Edward S., Billings, Mont. Can to 2,637,465, May 5.

Fisher, Ernest F., Dayton, Ohio. Wrench and 2,649,825, Aug. 25.

Fisher, Everett B.: *See*—
Hughes, William B., and Fisher.

Fisher, Floyd A., and W. H. Kohl, assignor Radio Company, Cedar Rapids, Iowa. Inte burner. 2,648,166, Aug. 11.

Fisher, Frank G., assignor to Honan-Crane C Lebanon, Ind. Magnetic separator. 2,660,30

Fisher, Frank W., trustee, assignee: *See*—
Bernett, Willis J.

Fisher, Franklin C., San Francisco, Calif. M washing watch parts. 2,645,236, July 14.

Fisher, Frederick C., Bellmore, assignor to F Corporation, New York, N. Y. Electromagneti line motor. 2,640,955, June 2.

Fisher, George A.: *See*—
Scull, William S., 2nd, and Fisher.

Fisher, Hammond E., assignee: *See*—
Sierer, Payson, and Waterbury.

Fisher, Harland S., Metuchen, and G. P. Beck, Park, N. J., assignors to Johnson & Johnson, cutting and assembling machine. 2,642,116,

Fisher, Harold: *See*—
Kershaw, John G., and Fisher.

Fisher, Harry C., Cincinnati, and B. E. Sooy, M Ohio, assignors, by mesne assignments, to C Water Power & Paper Company, Wisconsin R Coating paper webs and product thereof. Oct. 20.

Fisher, Helen, Chicago, Ill. Means for attach shoes to garments. 2,652,567, Sept. 22.

Fisher, Jacob I.: *See*—
Bixler, Andrew L. M., and Fisher.

Fisher, James B., Pacific, Mo. Cigarette ex 2,659,377, Nov. 17.

Fisher, James W., E. W. Wheatley, and G. B. don, near Derby, England, assignors to Britis Limited. Polysulphone aminotriazoles. Oct. 6.

Fisher, James W., H. Bates, and E. W. Spondon, near Derby, England, assignors Celsnese Limited. Production of polyamir 2,657,196, Oct. 27.

Fisher, Jesse, assignor to G. F. Meyer, Med Crotch type arrow projector. 2,645,217, J

Fisher, Jesse, assignor to Glo-Lure, Inc., Med Apparatus for casting articles. 2,645,218, J

Fisher, John M.: *See*—
Bjoro, Edvin F., and Fisher.

Fisher, Martin H., Pittsburgh, assignor to We Electric Corporation, East Pittsburgh, Pa. amplifier creeping speed control. 2,663,833,

Fisher, Milton W. and E. G., Miami, Fla. Pre fence. 2,662,739, Dec. 15.

Fisher, Nickolas W., Cleveland, Ohio. Flaw d wire mesh looms. 2,639,735, May 26.

Fisher, Norman A., Los Angeles, and A. B. Mull, Hemet, Calif. Bubble making device. 2,624,974, Jan. 13.

Fisher, Norman G.: *See*—
Albisetti, Charles J., Jr., and Fisher.

Fisher, Robert P., Los Angeles, Calif., and O. E. Walling, assignors to Paramount Mining and Milling Company, Beatty, Nev. Amalgamator. 2,634,860, Apr. 14.

Fisher, Robert P., Los Angeles, Calif., and O. E. Walling, assignors to Paramount Mining and Milling Company, Beatty, Nev. Centrifugal impact pulverizing apparatus. 2,634,915, Apr. 14.

Fisher Scientific Company, assignee: *See*—
Reeder, William H.

Fisher, Thomas W., Jr.: *See*—.
Griffith, John F., Lange, and Fisher.

Fisher, Virgil E.: *See*—
Rice, Elmo, and Fisher.

Fisher, Walter T., executor: *See*—
Carpenter, Benjamin.

Fisher, William, Willimansett, assignor to The Electric Game Company, Holyoke, Mass. Switch mechanism. 2,662,941, Dec. 15.

Fisher, William J., Detroit, Mich. Stock guide for rolling mills and the like. 2,651,955, Sept. 15.

Fishkill, Otto C. E.: *See*—
McKellin, Wilbur H., Bordwell, and Fishkill.

Fishlove, Irving H., Chicago, Ill. Denture simulating toy. 2,662,334, Dec. 15.

Fishwick, Robert, assignor to Victory Engineers Limited, London, England. Expanding reamer. 2,638,020, May 12.

Fishwood, Rollin W.: *See*—
Williams, Norman C., and Fishwood.

Fisk, Charles F., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Increasing viscosity of uncured alkyd copolymer resinous mixtures and product. 2,628,209, Feb. 10.

Fisk, Charles F., Clifton, and A. W. Meyer, Nutley, N. J., assignors to United States Rubber Company, New York, N. Y. Compounding process and product thereof from a mixture of a phenol-formaldehyde resin, butadiene-acrylonitrile copolymer, and a nonsolvent hydrocarbon plasticizer. 2,659,706, Nov. 17.

Fisk, Gustaf L., New Fairfield, Conn. Apparatus for cold reducing metal bars. 2,642,280, June 16.

Fisk, John E., Cleveland Heights, Ohio. Double-edge blade type permanently assembled razor. 2,636,262, Apr. 28.

Fisk, Roy A., Cedar Rapids, Iowa. Door holder. 2,647,782, Aug. 4.

Fiske, Ransom M., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Insulating sheath for terminal post. 2,636,065, Apr. 21.

Fitch, Allen & Company, assignee: *See*—
Fitch, Grant D.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Service line protection valve. 2,631,691, Mar. 17.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Tire inflation control system. 2,634,784, Apr. 14.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure operated gun. 2,652,821, Sept. 22.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Trailer landing gear. 2,664,299, Dec. 29.

Fitch, Ellery R., and T. J. Turek, assignors to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Tractor protection valve for braking systems. 2,645,308, July 14.

Fitch, Elliot B.: *See*—
Wright, Orrin H., Weaver, and Fitch.

Fitch, Grant D., assignor to Fitch, Allen & Company, Chicago, Ill. Motor starting switch. 2,629,792, Feb. 24.

Fitch, Harold L., assignor to Eastman Kodak Company, Rochester, N. Y. Film-winding device. 2,652,208, Sept. 15.

Fitch, John C. A., Bloomfield, assignor to Standard Container, Inc., Rockaway, N. J. Tubular container and pressure tight closure. 2,653,730, Sept. 29.

Fitchburg Engineering Corporation, assignee: *See*—
Forman, William O.

Fitchett, James E., Arlington, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical crystal unit. 2,632,042, Mar. 17.

Fites, Cyril B., St. Johns, assignor to Wagner Electric Corporation, St. Louis, Mo. Relay valve for tractor trailer brake systems. 2,656,014, Oct. 20.

Fitting, Henry T.: *See*—
King, John P., and Fitting.

Fittings, Inc., assignee: *See*—
Rafferty, Arthur W.

Fitton, Alfred F.: *See*—
Wolf, Michael J., and Fitton.

Fitts, Edna, Asheville, N. C., and M. S. Allen, Burlington, Vt. Yarn holder for manually knitting multicolored argyle socks. 2,628,042, Feb. 10.

Fitts, James W., assignor to Iowa State College Research Foundation, Ames, Iowa. Soil crushing or treating apparatus. 2,636,689, Apr. 28.

Fitz Cosmetics Incorporated, assignee: *See*—
Fitz, Henry.

Fitz, Henry, assignor to Fitz Cosmetics Incorporated, Washington, D. C. Cosmetic assembly. 2,640,487, June 2.

Fitz, Kenneth E., Barberton, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Furnace roller and making it. 2,632,234, Mar. 24.

Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Structural member. 2,639,012, May 19.

Fitzgerald, Albert J., Syracuse, N. Y., assignor to General Electric Company. Structural member for grilles and air filters. 2,658,583, Nov. 10.

Fitzgerald, Antonia N., Denver, and B. C. Garrabrant, Edgewater, Colo. Hospital bed ladder. 2,659,902, Nov. 24.

Fitzgerald, Charles W., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Timber setting machine. 2,648,444, Aug. 11.

Fitzgerald, Francis H., Duluth, Minn. Method and means for packaging. 2,653,429, Sept. 29.

Fitzgerald, Harold J., Milwaukee, and H. S. Berry, Fox Point Village, Wis.; said Berry assignor to said Fitzgerald. Display cabinet. 2,642,329, June 16.

Fitzgerald, James F., Detroit, Mich. Trap mechanism. 2,652,655, Sept. 22.

Fitzgerald, James F., New York, N. Y. Fish lure. 2,627,134, Feb. 3.

FitzGerald, Lucian J., Waterloo, Iowa. Drawer construction for reading chairs. 2,652,887, Sept. 22.

Fitzgerald, Marion M., Bandera, Tex. Litter hoisting sling. 2,635,913, Apr. 21.

Fitzgerald, Maurice, Yonkers, assignor to Sho-Me, Inc., New York, N. Y. Container for holding and transporting materials to be held separately. 2,651,436, Sept. 8.

Fitzgerald, Robert L., New Britain, assignor of one-half to H. A. Stoddard, West Port, Conn. Control mechanism for commercial laundry machines. 2,642,080, June 16.

FitzGerald, William P.: *See*—
Banes, Fred W., FitzGerald, and Nelson.

Fitz Harris, Leo J., assignor to General Motors Corporation, Dayton, Ohio. Method and apparatus for making lined tubing. 2,632,205, Mar. 24.

Fitzner, William H.: *See*—
Heuser, Henry V., and Fitzner.

Fitz Patrick, James L. G., New York, N. Y., assignor to American Machine and Foundry Company. Self-leveling storing and dispensing apparatus. 2,647,030, July 28.

Fitzpatrick, Jeremiah J., Oklahoma City, Okla. Tubing packer and hold-down mechanism. 2,632,514, Mar. 24.

Fitzpatrick, John T.: *See*—
Chitwood, Henry C., Fitzpatrick, Fowler, and Freure.

Fitzpatrick, Michael F., Brooklyn, N. Y. Street sweeper. 2,631,314, Mar. 17.

Fitzpatrick, Stephen L., assignor to Blokolgas System, Inc., Detroit, Mich. Carburetor for powdered fuel. 2,637,599, May 5.

Fitzpatrick, Stephen L., assignor to Blokolgas System, Inc., Detroit, Mich. Combustion chamber. 2,654,350, Oct. 6.

Fitzpatrick, William J., Weymouth, assignor to George E. Belcher Company, Stoughton, Mass. Laterally and longitudinally adjustable shoe tree. 2,634,439, Apr. 14.

Fitzsimmons, Harold C., West Chester, Pa., assignor to The Sharples Corporation. Sealing means for feed and discharge conduits of centrifugal separator bowls. 2,637,491, May 5.

Fitzsimmons, Richard R., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric iron. 2,637,126, May 5.

Fitzsimmons, Worth M.: *See*—
Allen, Charles F., Fitzsimmons, and Booth.

Fixture Hardware Corporation, The, assignee: *See*—
Kell, Henry P.

Fjeld, Albert C., Minot, N. Dak. Electric bulb handling device. 2,634,999, Apr. 14.

Flack, Carl B.: *See*—
Cavanaugh, Robert M., Flack, and Weir.

Flader, Fredric, Inc., assignee: *See*—
Krouse, Lee M., Nourse, Katzmann, and Howard.

Fladung, Albert L., Westminster, Colo. Pipe pushing device. 2,656,148, Oct. 20.

Fladung, Albert L., Westminster, Colo. Pipe nipple chuck. 2,656,191, Oct. 20.

Flagstad, Oscar A., Minneapolis, Minn. Collapsible mop. 2,648,859, Aug. 18.

Flaherty, Francis A.: *See*—
Eldridge, John C., and Flaherty.

Flaherty, Gerald L.: *See*—
Meyer, Walter E., and Flaherty.

Flaherty, John T., White Plains, N. Y. Cover for vehicles. 2,639,751, May 26.

Flaig, Edward J.: *See*—
Flaig, Ernest E. and E. J.

Flaig, Ernest E. and E. J., London, England. Pipette, burette, and the like. 2,638,787, May 19.

Flaith, George D., and J. E. Smith, Jr., Philadelphia, Pa. Top and coupling for barrels. 2,638,914, May 19.

Flakice Corporation, assignee: *See*—
Field, Crosby.
Lauer, Rodney F., and Shurtleff.
Leeson, Meldon G.
Stover, Egbert C.

Flakice Corporation of Delaware, assignee: *See*—
Leeson, Meldon G.

Flam, John, assignee: *See*—
Winger, Stover C.

Flamand, Maurice R.: *See*—
Budzyna, Walter J., and Flamand.

Flamand, Maurice R., Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass. Thread clamp. 2,624,370, Jan. 6.

Flamand, Maurice R., Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass. Method and mechanism for shuttleless looms. 2,641,285, June 9.

Flamand, Maurice R., Central Falls, R. I., assignor to Draper Corporation, Hopedale, Mass. Yarn tension. 2,643,831, June 30.

Flambard, Inc., assignee: *See*—
Pleydell, Albert and R., and McIntyre.

Flamm, Thomas J.: *See*—
Geiser, William C., and Flamm.

Flanagan, James R., Westville Grove, N. J., assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Package sealing machine. 2,634,876, Apr. 14.

Flanagan, James R., Westville Grove, N. J., assignor to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Means for handling candies. 2,661,706, Dec. 8.

Flanagan, Robert M., Glen Rock, assignor to Bendix Aviation Corporation, Teterboro, N. J. Diaphragm operated pressure regulating valve. 2,631,600, Mar. 17.

Flanders, Ernest V., and C. H. Drury, assignors to Jones & Lamson Machine Company, Springfield, Vt. Crush dressing mechanism. 2,652,661, Sept. 22.

Flanders, Ralph E., Springfield, and J. W. Batchelder, Weathersfield, assignors to Jones & Lamson Machine Company, Springfield, Vt. Thread rolling machine. 2,624,218, Jan. 6.

Flanders, Vernon E.: *See*—
Backlund, John R., and Flanders.

Flanigan, Clifford H., New Albany, Ind. Power lawn mower of the rotating cutting disk type. 2,643,502, June 30.

Flanigan, John J., assignee: *See*—
Flanigan, Thomas A.

Flanigan, Thomas A., assignor to J. J. Flanigan, Oak Park, Ill. Filter. 2,625,271, Jan. 13.

Flank, Arthur S., Chicago, Ill. Movie camera titling apparatus. 2,626,537, Jan. 27.

Flannery and Associates, Inc., assignee: *See*—
Kelly, James B., Jr.

Flannery, James N.: *See*—
Armitage, Joseph B., and Flannery.

Flannery, Roy L., assignor to The Boye Needle Company, Chicago, Ill. Knitting needle kit. 2,628,714, Feb. 11.

Flansburgh, John C., Michigan Center, assignor to Yard-Man, Inc., Jackson, Mich. Electric cord handling apparatus. 2,625,344, Jan. 13.

Flateboe, Einar I., assignor to Sumner Iron Works, Everett, Wash. Rechipper with vibrating trough. Re. 23,650, May 5.

Flato, Paul, Sales Corporation, assignee: *See*—
Cowan, Clifton J.

Flaton, Jacob J., Lemay, Mo. Automatic shutoff safety clutch coupling. 2,652,135, Sept. 15.

Flatt, Elton B., Ozona, Tex. Bit for bridles. 2,625,780, Jan. 20.

Flatz, Emil, Bergisch-Gladbach, assignor to Klöckner-Humboldt-Deutz A. G., Koln am Rhine, Germany. Air-cooled internal-combustion engine with fuel injector. 2,633,835, Apr. 7.

Flaugh, Oren F.: *See*—
Moore, Richard E., Lape, and Flaugh.

Flaws, John, Jr., East Cleveland, Ohio. Dispensing device. 2,649,655, Aug. 25.

Flaws, John, Jr., East Cleveland, and L. E. Dilts, South Euclid, Ohio, assignors to General Electric Company. Support wire inserting apparatus for incandescent lamps. 2,643,440, June 30.

Flaws, John, Jr., and C. R. Meckstroth, East Cleveland, Ohio, assignors to General Electric Company. Defective lamp detecting and ejecting mechanism. 2,653,711, Sept. 29.

Flaxman, Lillian R., Hartford, Conn. Hair drying hood construction. 2,663,090, Dec. 22.

Fleck, Fritz, assignor to Sandoz A. G., Basel, Switzerland. Pulverizable and readily soluble brightening agents. 2,654,713, Oct. 6.

Fleck, John F.: *See*—
Michaels, Hunter, and Fleck.

Fleck, Kenneth J.: *See*—
Maxwell, Carl R., and Fleck.
Robinson, Ronald R., and Fleck.

Fleigle, Charles F., York, Pa. Dart game target. 2,633,360, Mar. 31.

Fleischer, Frank H., Fort Wayne, Ind., assignor to General Electric Company. Rotor for dynamoelectric machines. 2,648,788, Aug. 11.

Fleischer, Gerhard Adalbert: *See*—
Schwenk, Erwin, and Fleischer.

Fleischhauer, Henry G., Portland, Oreg. Automatic control valve for branch pipe lines. 2,641,280, June 9.

Fleischhauer, Richard, assignor to Cassella Farbwerke Mainkur Aktiengesellschaft, Frankfurt am Main Fechenheim, Germany. Tetrakisazo-dyestuffs. 2,653,929, Sept. 29.

Fleischmann, Lester K., Chicago, Ill. Carbon continuous-form stationery. 2,634,139, Apr.

Fleisher, Harry, assignee: *See*—
Hayes, Clyde B.

Fleisher, Harry, Staten Island, assignor to Bea Cutting Machines, Inc., New York, N. Y. sharpener for straight knife cloth cutting 2,624,162, Jan. 6.

Fleisher, Harry, Staten Island, and J. Homer, N. Y. Child's seat. 2,658,556, Nov. 10.

Fleisher, Walter L., New City, assignor to Air a eration Corporation, New York, N. Y. Expan type saturating and cleaning cell. 2,636,572.

Fleming, David H., Jr., Orange, N. J., assignor, assignments, to Union Carbide and Carbon Co Blowpipe employing adjuvant powder for the cally removing material. 2,654,329, Oct. 6.

Fleming, Frank E., Little Rock, assignor of fift to T. J. Eby, North Little Rock, Ark. 2,657,910, Nov. 3.

Fleming, Frederick K., Willow Creek, Trunk South Wales, Australia. Seed gatherer. Sept. 8.

Fleming, Harold W., Bartlesville, Okla., as Phillips Petroleum Company. Recovery of ox pounds from Fischer-Tropsch product. 2,653, 29.

Fleming, Howard M., West Orange, assignor t Calculating Machine Company, Orange, N. negative total recording mechanism. 2,645, 14.

Fleming, Howard M., West Orange, assignor t Calculating Machine Company, Orange, N. J. scheduling means for listing calculating 2,645,418, July 14.

Fleming, Howard M., West Orange, assignor t Calculating Machine Company, Orange, N. guide for accounting machines. 2,658,600.

Fleming, Howard M., and A. A. Overbury, Wes assignors to Monroe Calculating Machine Orange, N. J. Counter control mechanism. Mar. 17.

Fleming, Howard M., Jr., Basking Ridge, assign roe Calculating Machine Company, Orange, N. register. 2,638,542, May 12.

Fleming, Howard M., Jr., assignor to Monroe C Machine Company, Orange, N. J. Magnetic corder for statistical data. 2,633,402, Mar. 3

Fleming, Howard M., Jr., assignor to Monroe C Machine Company, Orange, N. J. Playback magnetic recordings. 2,633,564, Mar. 31.

Fleming, Hugh P., assignor to Fleming Specialty Charlotte, N. C. Chick box. 2,643,810, June

Fleming, Jack F., Yonkers, N. Y., assignor to Plastics Company, Union, N. J. Plastic fold 2,633,641, Apr. 7.

Fleming, John J., Davenport, Iowa. Telephon hanger. 2,639,334, May 19.

Fleming Specialty Company, assignee: *See*—
Fleming, Hugh P.

Fleming, William: *See*—
Lawrence, Owen N., Harris, and Fleming.

Fleming, William, Los Angeles, Calif. Wat fountain brush. 2,650,381, Sept. 1.

Fleming, William E., Galt, Ontario, Canada. Sk 2,655,774, Oct. 20.

Fleming-Williams, Brian C., and A. H. A. Wynn to A. C. Cossor Limited, London, England. soidal amplifier. 2,659,816, Nov. 17

Flemmert, Gösta L.: *See*—
Stelling, Per O., and Flemmert.

Flemming, Albert E., Birmingham, assignor t Corporation, Highland Park, Mich. Closu cantilever type for vehicle bodies and 2,647,792, Aug. 4.

Flesch, John E., Los Angeles, Calif., assignor to Steel Foundries, Chicago, Ill. Spring group. Oct. 20.

Flesch, John E., Los Angeles, Calif., assignor to Steel Foundries, Chicago, Ill. Spring group 2,657,039, Oct. 27.

Fletcher, Arthur T., Bristol, assignor to The Terry Company, Forestville, Conn. Glas 2,652,659, Sept. 22.

Fletcher Aviation Corporation, assignee: *See*—
Fletcher, Wendell S.

Fletcher, Bernard: *See*—
Gruenberg, Leo, and Fletcher.

Fletcher, Clarence D., Fort Worth, assignor to Corporation, Dallas, Tex. Well flow appa system. 2,642,811, June 23.

Fletcher, Dennis H., Magrath, Alberta, Canada apparatus for rotating ice blocks. 2,627,377

Fletcher, Ed: *See*—
Slayter, Games, and Fletcher.

Fletcher, Frank H., Jr., Flushing, assignor to M. E. Haferkamp, Oswego, and V. H. Fletcher N. Y. Centrifuge. 2,626,745, Jan. 27.

Fletcher, Fred E.: *See*—
Fletcher, Myles W. and F. E.

Fletcher, H. E., Company, assignee: *See*—
Aspelin, Frans E.

Fletcher, Henry C.: *See*—
Hinz, Henry E., and Fletcher.

Fletcher, Irving J.: *See*—
McConnell, Frank J., and Fletcher.

Fletcher, Irving J., assignor to The American Hardware Corporation, New Britain, Conn. Combined lock and seal device. 2,655,805, Oct. 20.

Fletcher, Irving J., assignor to The American Hardware Corporation, New Britain, Conn. Dead bolt latch. 2,656,205, Oct. 20.

Fletcher, J. H., and Co., assignee: *See*—
Fletcher, James H. and J. R.

Fletcher, James H., Wilmette, Ill., and J. R. Fletcher, Huntington, W. Va., assignors to J. H. Fletcher and Co., Chicago, Ill. Trailer steering linkage. 2,643,892, June 30.

Fletcher, James L., Fayetteville, and S. C. Osborne, assignors to Carrier Corporation, Syracuse, N. Y. Ice maker. 2,648,956, Aug. 18.

Fletcher, James R.: *See*—
Fletcher, James H. and J. R.

Fletcher, John H., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. O-(2-chloro-4-nitrophenyl) O,O dimethyl thiophosphate. 2,664,437, Dec. 29.

Fletcher, John H., and E. I. Hoegberg, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Dithiophosphate esters. 2,630,451, Mar. 3.

Fletcher, Lynn, Lowell, Mich., and W. Dickison, Des Plaines, Ill., assignors to Lowell Specialty Company, Lowell, Mich. Sprayer. 2,639,192, May 19.

Fletcher, Lynn L., assignor to Lowell Specialty Company, Lowell, Mich. Sprayer tank. 2,638,255, May 12.

Fletcher, Mary H.: *See*—
Slavin, Morris, Fletcher, and May.

Fletcher, Maurice J., Arlington, Va. Fishing rod. 2,632,273, Mar. 24.

Fletcher, Myles W. and F. E., Atlanta, Ga. Cleansing device. 2,624,619, Jan. 6.

Fletcher, Orion F., Denver, Colo. Tire pressure gauge. 2,660,890, Dec. 1.

Fletcher, Robert C.: *See*—
Evans, John E., Fletcher, and Rieke.

Fletcher-Terry Company, The, assignee: *See*—
Fletcher, Arthur T.

Fletcher, Virginia H., assignee: *See*—
Fletcher, Frank H., Jr.

Fletcher, Wendell S., South Pasadena, assignor to Fletcher Aviation Corporation, Pasadena, Calif. Knockdown fuel tank. 2,661,115, Dec. 1.

Fletcher, William A.: *See*—
Nichols, Charles A., Clevenger, Zion, and Fletcher.
Nichols, Charles A., Todd, Fletcher, and Keller.

Fletcher, William A., Daleville, and C. L. Clevenger, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Making unitary magnetic pole pieces. 2,653,376, Sept. 29.

Fletcher Works Incorporated, assignee: *See*—
Bartholomew, Robert J., and Egee.
Egee, Walter W.
Egee, Walter W., and Bennett.

Flett, William, assignee: *See*—
Carroll, Raleigh S.

Flewelling, Edmund T., Ashburnham, Mass., assignor to Stromberg-Carlson Company. Means for improving frequency response of sound systems. 2,627,931, Feb. 10.

Flexible Metals Corporation, assignee: *See*—
Wilbur, Lawrence S.

Flexicon Cord Services, Limited, assignee: *See*—
Crowther, Bernard.

Flexigrip, Inc., assignee: *See*—
Madsen, Börge.
Philips, Osborne D.

Flex-O-Glass, Inc., assignee: *See*—
Warp, Harold.

Flex-O-Lators, Inc., assignee: *See*—
Platt, John G.
Richardson, William F.

Flexser, Leo A., Upper Montclair, and W. F. Farkas, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Increasing the solubility of ribotlavin: 2,664,421, Dec. 29.

Flexsleev, Inc., assignee: *See*—
Clyne, Joseph.

Flick, Francis S., Chicago, Ill., assignor to Miller Motor Company. Piston rod seal. 2,644,701, July 7.

Flick, Francis S., Chicago, Ill., assignor to Miller Motor Company. Piston and piston ring assembly. 2,660,493, Nov. 24.

Flickinger, Lloyd A., Denver, Colo. Automotive wheel tool. 2,648,126, Aug. 11.

Flight Refuelling Limited, assignee: *See*—
Latimer-Needham, Cecil H.
Smith, Charles H., and Macgregor.
Worlidge, Ronald F.

Flight, Theodore N., Farnham Common, W. H. Wilson, Camberley, and A. J. Chinn, assignors to The Rheostatic Company Limited, Slough, England. Thermostatic control switch. 2,635,157, Apr. 14.

Flight, Theodore N., Farnham Common, and W. H. Wilson, Camberley, assignors to The Rheostatic Company Limited, Slough, England. Electrical resistance unit. 2,662,958, Dec. 15.

Flink, Henry, Morton, Minn. Sponge rubber wristlet. 2,638,599, May 19.

Flinn, George E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch piston safety valve. 2,642,844, June 23.

Flinn, George E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Overdrive transmission. 2,644,550, July 7.

Flinn, George E., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control. 2,662,418, Dec. 15.

Flint, Erlon W., Mountaing View, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic accounting device. 2,635,807, Apr. 21.

Flint, Hyland C., Birmingham, assignor to American Metal Products Company, Detroit, Mich. Zigzag spring cushion construction having a base and top layer of springs. 2,629,430, Feb. 2.

Flint, Hyland C., Birmingham, assignor to American Metal Products Company, Detroit, Mich. Spring supporting strip having a top seating portion space above a bottom reinforcing portion. 2,629,431, Feb. 24.

Flint, Perley G., and J. J. Maguire, assignors to Field and Flint Co., Brockton, Mass. Insole having cookie for shoes. 2,625,751, Jan. 20.

Flint & Walling Manufacturing Company, Incorporated, assignee: *See*—
Lung, Kenneth R.

Flippin, T. O., Throckmorton, Tex. Tractor mounted disk terracer having a forward steerable gauge wheel. 2,630,745, Mar. 10.

Flockhart, James, assignor of one-half to H. A. Vincent, Los Angeles, Calif. Machine for extruding one or more materials. 2,634,691, Apr. 14.

Floersch, Bernard W., assignor to The Ryan Aeronautical Co., San Diego, Calif. Compounded fluoborate chemical surface treatment of aluminum and aluminum alloys. 2,655,439, Oct. 13.

Flolo, Ingvald O.: *See*—
Frees, Burke, Jr., and Flolo.

Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Strand joining device. 2,626,393, Jan. 27.

Flora, Laurence H.: *See*—
Tinnerman, George A., and Flora.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Support. 2,626,772, Jan. 27.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Separable clamping device. 2,632,217, Mar. 24.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Clamp. 2,655,703, Oct. 20.

Florac, Richard R., assignor, by mesne assignments, to Aircall, Inc., New York, N. Y. Radio receiver. Re. 23,651, May 5.

Florence Pipe Foundry and Machine Company, The, assignee: *See*—
Camerota, Louis A.

Florence, Robert T.: *See*—
Klimkowski, Robert J., and Florence.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.

Florencourt, Frank R., Arlington, Mass., assignor to Westinghouse Air Brake Company. Means for supplying railway cab signaling energy through short railway track circuits. 2,651,713, Sept. 8.

Florida Land Clearing Equipment Company, assignee: *See*—
Peacock, Thomas W., and G. W. Peacock, Sr.

Florin, Philip, Incorporated, assignee: *See*—
Berger, Benjamin S.

Florio, Patrick A.: *See*—
Calfee, John D., and Florio.

Florman, Irving, New York, N. Y. Pyrophoric lighter for handicapped persons. 2,647,383, Aug. 4.

Florman, Irving, New York, N. Y. Mouthpiece for smoking utensils. 2,659,376, Nov. 17.

Floro, Martiniano, Manila, P. I. Coconut husk defibering machine. 2,630,602, Mar. 10.

Florschutz, Fritz E., and C. G. Lentjes, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker mechanism. 2,647,182, July 28.

Flory, Leslie E.: *See*—
Morton, George A., Flory, and Snyder.

Flory, Lucien J. T., Rocheville, France. Moving target apparatus. 2,658,759, Nov. 10.

Flosdorf, Earl W.: *See*—
Brown, George H., Morrison, and Flosdorf.

Flour City Ornamental Iron Co., assignee: *See*—
Swenson, Erich S.

Flournoy, A. F., assignee: *See*—
Menge, Theodore L.

Flournoy, Algernon F., Shreveport, La., assignor to by decree of distribution to M. T. Flournoy. Heat storing cooking utensils. 2,640,478, June 2.

Flournoy, Margaret T., assignee: *See*—
Flournoy, Algernon F.

Flower, Emanuel, Los Angeles, Calif. Bulb manipulating implement. 2,634,998, Apr. 14.

Flowers, Henry F., Findlay, Ohio. Mine car. 2,633,089, Mar. 31.

Flowers, Leonard J.: *See*—
Weinthal, Stanley E. and S. A., and L. J. Flowers.

Flowers, Stanley A.: *See*—
Weinthal, Stanley E. and S. A., and L. J. Flowers.

Flowers, Thomas H., London, England. Electric pulse modulator. 2,632,880, Mar. 24.

Floyd, Don E.: *See*—
Baldwin, William S., and Floyd.

Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Plastic tall oil rosin fraction. 2,647,888, Aug. 4.

Floyd, Don E., Robbinsdale, Minn., assignor to General Mills, Inc. Organic solvent gels. 2,662,068, Dec. 8.

Floyd, Earle N., Mississippi City, Miss. Mortar applicator having a flexible dispensing tube. 2,650,743, Sept. 1.

Floyd, Raymond H., Redondo Beach, Calif., assignor to General Electric Company. Electronic control circuit. 2,659,008, Nov. 10.

Flubacker, Charles H., assignor to Cook Electric Company, Chicago, Ill. Safety cap for pressurized gas tanks. 2,636,634, Apr. 28.

Flubacker, Charles H., assignor to Cook Electric Company, Chicago, Ill. Diaphragm for pressure regulators. 2,650,618, Sept. 1.

Flude, John W., Houston, Tex. Buoy-type detector carrier. 2,625,129, Jan. 13.

Flugrath, Walter W., New Braunfels, Tex. Burglar alarm. 2,625,901, Jan. 20.

Flugrath, Walter W., New Braunfels, Tex. Window screen latch. 2,641,493, June 9.

Fluid Packed Pump Company, assignee: *See*—
Black, Millard S., and Satterla.

Fluid Systems, Incorporated, assignee: *See*—
Lines, Harold A.

Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Nested ball seat universal joint. 2,636,758, Apr. 28.

Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Sealed universal ball bearing joint. 2,641,492, June 9.

Flumerfelt, William A., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Exposed seat universal joint. 2,648,558, Aug. 11.

Fluor Corporation, Ltd., The, assignee: *See*—
Baird, Raymond C.
Frazier, Henry D.
Herndon, Lyle K.
Kohl, Arthur L., and Blohm.
Stephens, Foster M.
Stephens, Foster M., and Fluor.

Fluor, John R.: *See*—
Stephens, Foster M., and Fluor.

Fluorescent Electric Manufacturing Company, assignee: *See*—
Helms, Leroy J., Easter, and Reinig.

Flygare, Carl G.: *See*—
Hill, Oiva E., and Flygare.

Flygare, Carl G., and C. C. Alvord, assignors to Norton Company, Worcester, Mass. Grinding wheel-speed control. 2,642,703, June 23.

Flynn, C. M., Manufacturing Company, assignee: *See*—
Flynn, Charles M., Jr.

Flynn, Charles M., Jr., Wyandotte, assignor to C. M. Flynn Manufacturing Company, Detroit, Mich. Window and screen clip. 2,631,053, Mar. 10.

Flynn, Dennis J., Newport, Ky. Apparatus for producing photomontages. 2,654,289, Oct. 6.

Flynn, George M., Oak Park, Ill. Batch processing discrete articles. 2,649,380, Aug. 18.

Flynn, Howard A., Spokane, Wash. Automatic power transmission mechanism. 2,634,627, Apr. 14.

Flynn, John H., New Rochelle, N. Y. Ribbon-type gas burner-unit. 2,647,569, Aug. 4.

Flynn, John J., Sharon, Pa. Grinding tool for homogenizing machine valves. 2,631,416, Mar. 17.

Flynn, Joseph D., Oakland, Calif. Upholstery. 2,637,137, May 5.

Flynn, Ruby M., assignee: *See*—
Kogl, Frank.

Foamrock Corporation, assignee: *See*—
Harris, Lawrence M.

Fockler, Theodore C.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.

Foell, Adolph L.: *See*—
Craig, John J., Dunasky, Morgan, and Foell.
Dunasky, Joseph E., and Foell.

Fogal, Gordon L., and A. M. Mitnick, Silver Spring, Md., assignors to the United States of America as represented by the Secretary of the Navy. Parachute pack latch mechanism. 2,659,557, Nov. 17.

Fogarty, Edward J., Rutherford, N. J., and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft pilot trainer. 2,636,285, Apr. 28.

Fogarty, Eva A.: *See*—
Fogarty, Harland J. and E. A.

Fogarty, Harland J. and E. A., San Bernardino, Calif. Collapsible tube dispenser. 2,656,069, Oct. 20.

Fogel, Henry, New York, N. Y., assignor to Teletone Radio Corporation. Deflection circuits for television. 2,629,067, Feb. 17.

Fogel, Mortimer A., Hewlett, N. Y., and I. Rubin, Norwalk, Conn. Sinus and facial mask. 2,626,343, Jan. 20.

Fogelson, Benjamin H., assignee: *See*—
Lewis, Jean L.

Fogg, Hazel D., Falls Church, Va. Clothes drying rack. 2,639,816, May 26.

Fogg, Robert E., assignor to McCall Corporation, Dayton, Ohio. Adhesive extruder for bookbinding machines. 2,660,148, Nov. 24.

Fogg, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for trimming and notching signatures. 2,646,726, July 28.

Fogle, Frank D., Ottawa, Kans. Rock crusher having contained rock screening and cooperating grate means. 2,661,158, Dec. 1.

Fogleman, Walter L.: *See*—
Long, Nathan A., Carter, Lindley, Stadler, and Fogleman.

Fogler, Benjamin B., Lexington, and J. B. Nugent, Winthrop, assignors to Arthur D. Little, Inc., Cambridge, Mass. Method of extracting ground roasted coffee. 2,629,663, Feb. 24.

Foglio, James J., New Rochelle, N. Y. Venetian blind. 2,633,909, Apr. 7.

Foglio, Samuel, Jr.: *See*—
Daleo, James, and Foglio.

Fogwell, Joseph W., Lakewood, and A. J. Stock, Rocky River, Ohio., assignors to Stock Equipment Company. Pressurized coal scale. 2,635,867, Apr. 21.

Fokakis, Nicholas J., Birmingham, Ala. Cigarette display case. 2,635,029, Apr. 14.

Foley, James F., and F. C. Gleason, assignors to Remington Rand Inc., New York, N. Y. Visible card index file. 2,644,457, July 7.

Foley, Robert T., Pittsfield, Mass., and H. A. Omley, East Nassau, N. Y., assignors to General Electric Company. Glass-to-metal seal. 2,651,144, Sept. 8.

Foley, Rupert M.: *See*—
Roberts, Elliott J., Foley, and Wells.

Folkers, Karl: *See*—
Holly, Frederick W., Shunk, Cahill, and Folkers.
Holly, Frederick W., Shunk, and Folkers.
Kaczka, Edward A., and Folkers.
Koniuszy, Frank R., Brink, and Folkers.

Folkers, Karl, Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Producing butyrolactones. 2,659,733, Nov. 17.

Folkers, Kern E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Composition containing colloidal methyl ether of methylol melamine and other thermoplastic resins and applying to cellulose textiles. 2,661,262, Dec. 1.

Folkers, Kern E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Improving the resistance to shrinking and felting of fabrics. 2,661,313, Dec. 1.

Folkins, Hillis O., Skokie, and E. Miller and H. Hennig, Evanston, Ill., assignors, by mesne assignments, to Food Machinery and Chemical Corporation, New York, N. Y. Production of carbon disulfide. 2,661,267, Dec. 1.

Folks, Eugene F., Hot Springs, Va., assignor to Lock Joint Pipe Company, East Orange, N. J. Surface finisher. 2,629,252, Feb. 24.

Folland, Sidney J., Malad City, Idaho. Knife assembly. 2,651,839, Sept. 15.

Follansbee, Rogers, Evanston, and E. F. Ford, Chicago, assignors, by mesne assignments, to R. Follansbee, Evanston, Ill. Air circulating unit. 2,625,872, Jan. 20.

Folli, Arthur J., Chicago, assignor to RCS Engineering Corporation, Joliet, Ill. Reciprocating saw tool attachment. 2,631,619, Mar. 17.

Folmer, Frank F., Detroit, Mich. Pneumatically operated welder head construction. 2,661,599, Dec. 8.

Folmer, George C., Allentown, Pa. Artificial bait. 2,626,478, Jan. 27.

Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Safety valve. 2,628,633, Feb. 17.

Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Valve with resilient pressure actuated seal. 2,657,897, Nov. 3.

Folse, Raphnel J., New Orleans, La. Weather strip mounting for closures. 2,661,510, Dec. 8.

Folt, Vernon L.: *See*—
Gilbert, Harry, Miller, and Folt.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Homopolymerization of vinyl chloride in aqueous medium. 2,625,539, Jan. 13.

Folt, Vernon L., and E. J. Carlson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Interpolymers of a difluorodichloroethylene, a 1,3-butadiene hydrocarbon and vinylidene chloride. 2,657,199, Oct. 27.

Foner, Newton F., Pittsburgh, Pa., assignor to United States Steel Corporation. Rotary cooling apparatus. 2,641,064, June 9.

Fong, Willie: *See*—
Laundgren, Harold P., and Fong.
Lundgren, Harold P., Fong, and Yeiser.

Fong, Yue S., Hong Kong, China. Bottle cap. 2,659,509, Nov. 17.

Fons, Silas C., Waukegan, Ill., and John Kramer, deceased, Waukegan, Ill. (Franklyn Alfred Kramer, administrator), assignors to United States Steel Corporation. Apparatus for drawing a wire tie through and around annular articles and twisting the ends together. 2,655,097, Oct. 13.

Fontaine, John P. K., Birmingham, Ala. Pivotally mounted fifth wheel plate. 2,661,960, Dec. 8.

Fontein, Freerk J., assignor to De Directie van de Staatsmijnen in Limberg, Heerlen, Netherlands. Controlling the rate of discharge of liquid suspensions from containers. 2,634,741, Apr. 14.

Fontein, Freerk J., assignor to Stamicarbon N. V., Heerlen, Netherlands. Refining of starch. 2,642,185, June 16.

Fontein, Freerk J., assignor to Stamicarbon N. V., Heerlen, Netherlands. Apparatus for continuously separating solids in or from liquid suspensions thereof. 2,649,963, Aug. 25.

Fontein, Freerk J., Heerlen, and A. L. de Gelder, Stein, assignors to Stamicarbon N. V., Heerlen, Netherlands. Process and apparatus for dispersing a substance in a liquid. 2,653,801, Sept. 29.

Fontenot, Charles J., assignee: *See*—
Adams, Mozel A.

Fontenot, Lloyd W., assignee: *See*—
Adams, Mozel A.

Food Concentrates, Inc., assignee: *See*—
Stone, Roger T.

Food Machinery and Chemical Corporation, assignee: *See*—
Boyce, John, and Hayes.
Boyce, John, and Olsen.
Carr, James P.
Chater, John A.
Coons, Burton C.
De Back, William.
Errig, William F., and De Hart.
Finstead, Theron E.
Folkins, Hillis O., Miller and Hennig.
Hait, James M.
Hudson, Kenneth K.
Kerr, Charles E.
Kerr, Charles E., and Elsheimer.
Kerr, Charles E., and Galloway.
Krueger, Frank W.
Krueger, Frank W., and de Back.
Kucera, Joseph B.
Lindsay, Wesley N.
MacFayden, Kenneth W., and Jaffa.
Marisic, Milton M.
Mumma, Harold J.
Olsen, John C., and Dungan.
Pianfetti, John A., Melvin, and Earle.
Pike, Robert D., and Seaton.
Polk, Ralph, Sr., and Ralph Polk, Jr.
Rankin, Dan R.
Robey, Wesley M., Jr.
Russo, Vincent J., and Les Veaux.
Slade, Martin A., Jr., and Gerwe.
Southwick, Philip L.
Stilwell, Glenn E.
Thornton, Garno E., Verrinder, Stilwell, McGrath, and Richards.
Vandermeer, Myrton L.
Verrinder, Ernest A.
Woodward, Teynham.
Zettlemoyer, Albert C., Walker, and Stump.

Food Research Laboratories, Inc., assignee: *See*—
Winsten, Walter A.

Food Technology, Inc., assignee: *See*—
Glabe, Elmer F.

Foord, Stanley G.: *See*—
Warner, Arthur J., and Foord.

Fooshee, Irb H., Tenafly, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dispenser valve assembly. 2,658,714, Nov. 10.

Foote, Alfred, assignor of one-half to E. W. Baumann, Cleveland, Ohio. Truck loading and unloading mechanism. 2,656,058, Oct. 20.

Foote, Alton G.: *See*—
Karash, Walter J., and Foote.

Foote Bros. Gear and Machine Corporation, assignee: *See*—
Wood, Davis M.

Foote, Donald S., and E. S. Atwell, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Cocking mechanism for double barrel upward tilting breech firearms. 2,641,077, June 9.

Foote, Harold G., Fontana, and W. J. Moreland, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Sound recording and reproducing apparatus. 2,632,060, Mar. 17.

Foote, Perry A., and W. M. Lauter, Gainesville, Fla., and R. M. Baxter, Toronto, Ontario, Canada, assignors to Research Corporation, New York, N. Y. Production of alkaloids by clitocybe subilludens. 2,640,007, May 26.

Foote, Richard L., Greensboro, assignor to Engineered Plastics, Incorporated, Gibsonville, N. C. Textile spool. 2,625,343, Jan. 13.

Footlick, Charles B., Kansas City, Mo. Package clip. 2,629,916, Mar. 3.

Forbach, Babe: *See*—
Peters, Amandus, Forbach, and Strotman.

Forbach, Phosipney: *See*—
Peters, Amandus, Forbach, and Strotman.

Forbath, Thomas P.: *See*—
Allen, Louis N., Jr., and Forbath.

Forbes, Duncan D., Knoxville, Tenn., assignor to Micromax, Inc., New York, N. Y. Dispersing apparatus. 2,645,464, July 14.

Forbes, Gordon D., Sudbury, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse control circuit. 2,636,119, Apr. 21.

Forbes, Gordon D., Sudbury, and H. Shapiro, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Backing for delay line crystals. 2,624,852, Jan. 6.

Force, Albert J., Jr., Oakland, assignor of fifty percent to D. Barer, Los Angeles, Calif. Vibratory, massage apparatus. 2,655,146, Oct. 13.

Force, Earl, Newton Falls, assignor of fifty per cent to W. B. Harpman, Poland, Ohio. Welding transformer. 2,640,960, June 2.

Force, Leonard T., and G. Moore, Norwood, and W. J. Hincks, assignors to Canada Packers Limited, St. Boniface, Manitoba, Canada. Dressing beef cattle and the like. 2,640,225, June 2.

Ford, Charles J., assignor to Wingfoot Corporation, Akron, Ohio. Package for shipping and storing a conductive rubber heating element and making same. 2,643,206, June 23.

Ford, Charles J., assignor to Wingfoot Corporation, Akron, Ohio. Inflatable fabric segment of curved configuration. 2,657,716, Nov. 3.

Ford, David O., San Antonio, Tex. Key check and matchbook holder. 2,628,712, Feb. 17.

Ford, Edward F.: *See*—
Follansbee, Rogers, and Ford.

Ford, Frank R., Limited, assignee: *See*—
Ford, Ronald M., and Butler.

Ford, Gaylon T., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device and processing thereof. 2,656,489, Oct. 20.

Ford, Gaylon T., Mountain Lakes, and E. J. Walsh, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermal structure for electron discharge devices. 2,634,384, Apr. 7.

Ford, George E.: *See*—
Ratcliffe, Fred A., Ryan, and Ford.

Ford, George E., Brighton, assignor to Qualitrol Corporation, East Rochester, N. Y. Bezel for indicating instruments. 2,654,253, Oct. 6.

Ford, Hannibal C., Jamaica, N. Y., assignor to The Sperry Corporation. Fire control apparatus. 2,657,464, Nov. 3.

Ford, Harry S.: *See*—
Siering, Robert L., and Ford.

Ford, James G.: *See*—
Sattler, Frank A., Swiss, and Ford.

Ford, James G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective finish for metals. 2,636,257, Apr. 28.

Ford, Jared H., assignor to The Upjohn Company, Kalamazoo, Mich. 2-chloroprocaine salt of penicillin O. 2,647,894, Aug. 4.

Ford, Jared H., and W. G. Jackson, assignors to The Upjohn Company, Kalamazoo, Mich. Selective extraction of substances possessing antipernicious anemia activity with diethylacetic acid. 2,652,357, Sept. 15.

Ford, John R.: *See*—
Arsem, Alvan D., Ford, and Korman.

Ford, John R., Narberth, Pa., and W. P. Bollinger, Haddonfield, N. J., assignors to Radio Corporation of America. Direction finding antenna system. 2,648,839, Aug. 11.

Ford Metal Moulding Co., assignee: *See*—
Shaw, Philip J.

Ford Meter Box Company, Inc., The, assignee: *See*—
Ford, Wilbur E.
Ford, Wilbur E., and Niemeyer.
Smith, Marsden C., and Ely.

Ford Motor Company, assignee: *See*—
Appel, Walter D.
Blanton, Charles H.
Bogart, Harold N., and Hart.
Brock, Harold L.
Daniels, Howard G., and Pickard.
Dingman, Thomas C., and Jamieson.
Ensign, Elbert E., and Van Patten.
Galla, Stephen J.
Haynes, Alex L., and Raviolo.
Herider, Elmer A., and Norwood.
Kany, John A.
Kavalar, Alfred.
Kramer, Clarence F.
MacPherson, Earle S.
McRae, Edwin C.
Meinzinger, Jacob, and Voorheis.
Paton, Clyde R.
Pickard, Edwin C.
Rainey, Challenor W.
Randall, John F., and Brooks.
Roeder, Dale.
Schiedel, George M.
Tea, Clark A.
Thomas, Julius A.
Tsang, Chi M.
Wise, Ralph H.

Ford, Paul T., Dillon, S. C., assignor to Stansbury, Inc., Baltimore, Md. Fruit and vegetable washing machine. 2,635,614, Apr. 21.

Ford, Robert S., Pascagoula, Miss. Power-operated servomechanism for use in steering gears and the like. 2,644,428, July 7.

Ford, Ronald M., and G. T. Butler, Sparkbrook, Birmingham, England, said Butler assignor to Frank R. Ford Limited, Sparkbrook, Birmingham, England. Means for pressure roller spindle support and adjusting duplicating machines. 2,642,799, June 23.

Ford, Silas M., St. Paul, Minn. Educational puzzle. 2,647,330, Aug. 4.

Ford, Thomas G., Riverside, Ill. Portable glass washer. 2,639,451, May 26.

Ford, Wilbur E., assignor to The Ford Meter Box Company, Inc., Wabash, Ind. Meter tester machine. 2,635,454, Apr. 21.

Ford, Wilbur E., Wabash, and H. Niemeyer, Indianapolis, assignors to The Ford Meter Box Company, Inc., Wabash, Ind. Water meter tester. 2,631,451, Mar. 17.

Ford, William C., Andover, Mass. Racing apparatus. 2,643,885, June 30.

Ford, Wise L., deceased, Lawton, Okla.; L. Cate, administratrix de bonis non of said W. L. Ford, assignor to Continental Gin Company, Birmingham, Ala. Hydraulic gin breast lift. 2,655,695, Oct. 20.

Forde, Wayne A., Washington, D. C. Pilot operated relief valve. 2,625,174, Jan. 13.

Fordyce, Reid G., and M. Baer, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Modified drilling fluids. 2,650,905, Sept. 1.

Fordyce, Rufus G., Glencoe, assignor to Luminous Processes, Inc., Chicago, Ill. Stenciling machine. 2,662,470, Dec. 15.

Fore, Calvin B., Aransas Pass, Tex., assignor to United Carbon Company, Inc., Charleston, W. Va. Gas injector for carbon black converter. 2,628,674, Feb. 17.

Fore, John D., San Angelo, Tex. Automatic cutoff valve. 2,650,863, Sept. 1.

Foreman, Emanuel L., Alhambra, Calif., assignor to Lakeside Laboratories Inc. Propylurea-mercury compounds as diuretics. 2,635,983, Apr. 21.

Foreman, Robert W.: *See*—
Jackson, Warren, Jr., and Foreman.

Foreman, Robert W., and M. M. Fink, assignors to The Standard Oil Company, Cleveland, Ohio. Apparatus for coordinating operating wave length and slit size in spectrophotometers. 2,660,086, Nov. 24.

Forest, Alfred E., assignor to Springfield Boiler Company, Springfield, Ill. Water tube boiler. 2,630,103, Mar. 3.

Forest Glen Ayers, assignee: *See*—
Lahti, Anard A.

Forestal Land, Timber and Railways Company, Limited, The, assignee: *See*—
White, Theodore, and Hastings.

Forester, Joseph E., Arlington, Va. Animal cage feeding device. 2,653,569, Sept. 29.

Forgash, Anthony J., assignee: *See*—
Rich, Edward L., Bauer, and Dengel.

Forgeng, William D.: *See*—
Erasmus, Hendrik de W., and Forgeng.

Forges et Ateliers de Constructions Electriques de Jeumont, assignee: *See*—
Heidmann, Leon.

Forgett, Valmore J., Ridgefield, assignor to Sweco Products, Inc., Ridgefield Park, N. J. Developer for continuous strip of photographic paper. 2,644,384, July 7.

Forgrove Machinery Company Limited, The, assignee: *See*—
Brook, Leonard.
Russell, Alexander.

Forichon, Gaston S., Boulogne-Billancourt, France. Hydraulic system for riveting presses. 2,656,745, Oct. 27.

Foringer, Edgar C., Melrose Park, assignor to Motorola, Inc., Chicago, Ill. Carrier for mobile radio equipment. 2,636,652, Apr. 28.

Forkner, John H., Fresno, Calif. Manufacture of a compounded fruit product. 2,650,881, Sept. 1.

Forman Family, Inc., assignee: *See*—
Forman, Sol, Ramer, and Mund.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,206, Jan. 6.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,207, Jan. 6.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,208, Jan. 6.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,209, Jan. 6.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control system. 2,624,210, Jan. 6.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Electromagnetic operator. 2,629,007, Feb. 17.

Forman, Louis B., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle switching device. 2,638,516, May 12.

Forman, Sol, L. Ramer, and A. Mund, New York, assignors to Forman Family, Inc., Brooklyn, N. Y. Combination holder and receptacle such as cocktail glass and the like article. 2,664,004, Dec. 29

Forman, Sylvan E.: *See*—
Burgison, Raymond M., Forman, and Zink.

Forman, William O., assignor to Fitchburg En Corporation, Fitchburg, Mass. Wood and br ping machine. 2,634,062, Apr. 7.

Formanek, Alois, Chicago, Ill. Double-acting sorber and stabilizer. 2,650,088, Aug. 25.

Formhals, William H.: *See*—
Ludwig, Leon R., Fockler, Formhals, and W

Formsprag Company, assignee: *See*—
Szady, Leopold T.

Formwalt, John M., Newport, R. I. Apparatus uring chemical activity, particularly of 2,658,819, Nov. 10.

Fornaro, Frank: *See*—
Morse, Earl P., and Fornaro.

Forney, Elbridge W., Fort Lauderdale, Fla. Eg apparatus for incubators. 2,625,906, Jan. 20.

Forney, Harold R., Surprise, Nebr. Telescopi hitch. 2,658,769 Nov. 10.

Forney, Ross H., Dallas, Tex. Gas fueled 2,634,807, Apr. 14.

Forrer, Anne-Marie J., widow, heir, and guardia Bitterli, Emile V., and Forrer.

Forrer, Homer W., Atlanta, Ga., assignor to Atla Company. Paperboard carrier. 2,637,480, M

Forrer, Homer W., Atlanta, Ga., assignor to Paper Company. Bottle carrier. 2,646,918.

Forrer, Max: *See*—
Bitterli, Emile V., and Forrer.

Forrest, Frank R., Wauwatosa, assignor to Allis Manufacturing Company, Milwaukee, Wis. apparatus. 2,626,086, Jan. 20.

Forrest, Frank R., Wauwatosa, assignor to A mers Manufacturing Company, Milwaukee, Wis ing impeller. 2,636,720, Apr. 28.

Forrester, Clive B., Miami, Fla. Shoe fastener. May 5.

Forrester, John, Burnside, Glasgow, Scotlan speaker cabinet. 2,646,852, July 28.

Forrester, Robert E.: *See*—
Downey, George T., Rosengren, and Forres

Forsberg, Axel A., assignor to Aktiebolaget E Stockholm, Sweden. Vacuum cleaner nozzle movable brush attachment. 2,659,924, Nov.

Forsberg, Harold S., Shelton, Conn. Motor drive cating saw. 2,639,737, May 26.

Forsberg, Harold S., Shelton, Conn. Adjustab driven circular saw. 2,657,719, Nov. 3.

Forschner, Conrad J., New York, N. Y. Beverag machine. 2,660,947, Dec. 1.

Forschner, Conrad J., New York, N. Y. Coff 2,660,948, Dec. 1.

Forse Corporation, assignee: *See*—
Forse, Harry D., Thompson, and Hooper.

Forse, Harry D., W. P. Thompson, and L. T Anderson, Ind.; said Thompson and said assignors to Forse Corporation, Anderson, In folding apparatus. 2,639,065, May 19.

Forslin, Nels, Los Angeles, Calif. Stock feeder and the like. 2,633,878, Apr. 7.

Forss, Ernest H.: *See*—
Brown, Ellis M., and Forss.

Forss, Fritz V., and G. M. Neff, assignors to Je Manufacturing Company, Racine, Wis. End sembly for dynamoelectric machines. 2,650,99

Forssell, Harry: *See*—
Sörensen, Harald M., and Forssell.

Forssell, Harry, Ludvika, assignor to Allmänna Elektriska Aktiebolaget, Vasteras, Sweden. P pensating means for alernating current lines. Dec. 8.

Forst, Aaron M., Los Angeles, Calif., assignor o to B. Forst. Blade holder. 2,637,105, May

Forst, Bernard, assignee: *See*—
Forst, Aaron M.

Forster Chemical Co., Inc., assignee: *See*—
Moore, Lon R., and Mitchell.

Forstner Chain Corporation, assignee: *See*—
Albrecht, Karl,
Armbruster, Ludwig.
Ruf, Hermann.

Forsyth, Albert E., Britannia Bay, Ontario, Cushioning device. 2,627,077, Feb. 3.

Forsyth, Albert E., Britannia Bay, Ontario, Pneumatic seat cushion. 2,627,302, Feb. 3.

Forsyth, Albert E., Britannia Bay, Ontario, Vehicle suspension device. 2,627,403, Feb. 3.

Forsyth, Archibald G.: *See*—
Bennett, James A. J., and Forsyth.

Forsyth, George H., Evanston, Ill. Bouncing device. 2,629,594, Feb. 24.

Forsyth, George H., Evanston, Ill. Table te 2,640,698, June 2.

Forsyth, Robert H., Fair Haven, assignor to Th & Wilcox Company, Rockleigh, N. J. Hanger tion for anchor tiles of refractory arches. Nov. 3.

Forsythe, Charles E., Stony Brook, N. Y. Fle pling. 2,626,511, Jan. 27.

Forsythe, Edwin C., Schenectady, N. Y. Antisl 2,628,437, Feb. 17.

Forsythe, Harold: *See*—
Brunansky, Steve J., and Forsythe.

Fort, Frank, and E. C. Krug, assignors to The Timken Roller Bearing Company, Canton, Ohio. Machine for wiping in hardened inserts for rock drill bits. 2,662,500, Dec. 15.
Fort, Leas M., Harborcreek Township, Erie County, Pa. Retaining wall structure. 2,653,450, Sept. 29.
Fort Dodge Laboratories, Inc., assignee: *See*—
Killinger, Arden H., and Dick.
Fortenbaugh, Robert B.: *See*—
Hardy, William B., and Fortenbaugh.
Fortenberry, William W., Perryton, Tex. Junk basket. 2,645,290, July 14.
Fortescue, Peter, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Regulating means for gas turbine installations. 2,641,324, June 9.
Fort Howard Paper Company, assignee: *See*—
Ver Doot, Henry, Jr.
Fortin, Gerard, St.-Gedeon, Lac-St.-Jean, Quebec, Canada. Child's sleigh. 2,642,292, June 16.
Fortin, Hermas, Hemmingford, Quebec, and A. J. Gosselin, Ste. Blaise, Quebec, Canada. Drag hook. 2,649,327, Aug. 18.
Fortino, Samuel S., New York, assignor to The Gem Electric Manufacturing Company, Inc., Brooklyn, N. Y. Blade engageable electric connector. 2,645,760, July 14.
Fortner, Eddie L., and W. S. Stevenson, Gainesville, Ga., assignors to Swift & Company, Chicago, Ill. Poultry head remover. 2,632,200, Mar. 24.
Fortner and Perrin Inc., assignee: *See*—
Fortner, Robert L., and Perrin.
Fortner, Robert L., Glendale, and H. L. Perrin, Tujunga, assignors to Fortner and Perrin Inc., Glendale, Calif. Garment hanger. 2,633,277, Mar. 31.
Fortney, David F., Towanda, Pa., assignor to Sylvania Electric Products Inc., Salem, Mass. Improved calcium fluorophosphate phosphor containing aluminum. 2,647,087, July 28.
Fortney, Theodore N., Lansing, Mich. Intermittent electric light. 2,638,584, May 12.
Fortney, Walter R., Morgantown, W. Va. Trolley nip. 2,631,209, Mar. 10.
Forton, Harvey P., San Lorenzo, Calif. Ash tray. 2,661,006, Dec. 1.
Fort Orange Paper Company, assignee: *See*—
Metzger, Henry L.
Fort Pitt Brewing Company, assignee: *See*—
Minster, Ernest J., Jr., and Schott.
Fortuna-Werke Spezialmaschinenfabrik A.-G., assignee: *See*—
Crämer, Helmut G., and Koppenwallner.
Fortune, Charles T.: *See*—
Fortune, William J. and C. T.
Fortune, Henry J., and E. W. Mortimer, assignors to The Gerrard Engineering & Manufacturing Company Limited, Swindon, England. Record changing mechanism for phonographs. 2,650,831, Sept. 1.
Fortune, Ronald, Hamilton, Ontario, Canada. Diaphragm valve. 2,638,306, May 12.
Fortune, Ronald, Hamilton, Ontario, Canada. Diaphragm valve. 2,638,307, May 12.
Fortune, Ronald, Hamilton, Ontario, Canada. Coated valve member. 2,638,309, May 12.
Fortune, William B.: *See*—
Rhodehamel, Harley W., Jr., and Fortune.
Fortune, William D., De Witt, Ark. Cook stove. 2,626,561, Jan. 27.
Fortune, William J., Elkhart, and C. T. Fortune, Grimes, Iowa. Can opener. 2,663,077, Dec. 22.
Forwald, Haakon, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in electric air blast circuit breaker. 2,632,828, Mar. 24.
Forwald, Haakon, Valhalla, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in air blast circuit breakers. 2,635,159, Apr. 14.
Forwald, Haakon, Valhalla, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in electric air blast circuit breaker. 2,643,315, June 23.
Forwald, Haakon, Valhalla, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Equalizing device for air current in air blast circuit breakers. 2,653,204, Sept. 22.
Forwald, Haakon, Valhalla, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Compressed air circuit breaker. 2,658,128, Nov. 3.
Forward, Frank A., Vancouver, British Columbia, assignor to Sherritt Gordon Mines Limited, Toronto, Ontario, Canada. Recovering nickel and/or cobalt ammonium sulfate from solutions containing nickel and/or cobalt values. 2,647,820, Aug. 4.
Forwood, David F., assignor to Taylor Bedding Manufacturing Co., Taylor, Tex. Mattress. 2,651,788, Sept. 15.
Foshee, Durwood O., Jacksonville, Fla. Joint for a spreader for an extension stepladder. 2,633,376, Mar. 31.
Foss, Carl W., and H. W. Buell, assignors to The Carborundum Company, Niagara Falls, N. Y. Waterproof sandpaper and backing therefor. 2,642,349, June 16.
Foss, Curtis D., Bell, Calif. Vent plug. 2,644,609, July 7.
Foss, Donald D., Van Nuys, Calif. Top guide for sliding panel construction. 2,650,387, Sept. 1.
Foss, Ferdinand H. H., Chicago, Ill., assignor to S. G. Taylor Chain Company, Hammond, Ind. Lifting hook. 2,646,306, July 21.
Foss, Freeman C., Twin Falls, Idaho. Material holder for drilling. 2,629,271, Feb. 24.
Foss, Freeman C., Twin Falls, Idaho. Automatic variable pitch propeller. 2,638,171, May 12.
Fossa, Joseph, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,655,671, Oct. 20.
Foster, Bertram G.: *See*—
Shires, John M., and Foster.
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Single-ply corrugated fabric and making the same. 2,627,644, Feb. 10.
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Honeycomb fabric. 2,635,648, Apr. 21.
Foster, Charles B., Mankayan, Mountain, Republic of Philippines. Extracting lead from its sulfides. 2,660,525, Nov. 24.
Foster, Charles E., Los Angeles, Calif. Safety guard for fluorescent lamps. 2,636,977, Apr. 28.
Foster, Charles E., Indianapolis, Ind. Thread-gauging device. 2,662,300, Dec. 15.
Foster, Clayton B., Maysville, Okla. Earth excavating teeth for bulldozer moldboards. 2,634,520, Apr. 14.
Foster, Cyril J., Chicago, Ill., assignor to Etc., Inc., Niles, Mich. Toaster. 2,644,392, July 7.
Foster, Edson P., Manitowoc, Wis. Hand catapult. 2,625,926, Jan. 20.
Foster, Edward A., Borger, Tex. Manually centered line boring machine. 2,651,221, Sept. 8.
Foster, Edwin E., Austin, Tex. Sash lifter. 2,624,906, Jan. 13.
Foster, Edwin E., Austin, Tex. Combined air conditioner and visor for vehicles. 2,625,425, Jan. 13.
Foster, Edwin E., Austin, Tex. Constant compression spring. 2,630,316, Mar. 3.
Foster, Edwin E., Austin, Tex. Combined windshield visor and washer. 2,643,909, June 30.
Foster, Edwin E., assignor to Majik-Ironers, Inc., Austin, Tex. Iron supporting linkage. 2,644,255, July 7.
Foster, Edwin E., assignor to Majik-Ironers, Inc., Austin, Tex. Jointed supporting arms for flatirons. 2,648,146, Aug. 11.
Foster, Edwin E., Austin, Tex. Repeating air gun. 2,653,593, Sept. 29.
Foster, Edwin E., Austin, Tex. Foldable ironing board and iron support. 2,661,553, Dec. 8.
Foster, Edwin E., Austin, Tex. Folding ironing board. 2,662,318, Dec. 15.
Foster, Edward H., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Charge forming device. 2,656,166, Oct. 20.
Foster Engineering Company, assignee: *See*—
Foster, Shubel A.
Foster and Foster, assignee: *See*—
Foster, Warren D.
Foster, Fred W., assignee: *See*—
Martin, William K.
Foster, Genevieve S., assignee: *See*—
Foster, Oliver K., and Jack.
Foster Grant Co., Inc., assignee: *See*—
Hollis, Morton.
Foster, Harry B., Ellisburg, and J. R. Parker, Haddon Heights, N. J., assignors to Radio Corporation of America. Modulation circuit. 2,651,758, Sept. 8.
Foster, Harry G., Mullens, W. Va. Snaphook. 2,637,088, May 5.
Foster, Harry G., Mullens, W. Va. Sanding device for locomotives. 2,654,622, Oct. 6.
Foster, Harry G., Mullens, W. Va. Animal releasing leash. 2,652,809, Sept. 22.
Foster, Henry W., Van Nuys, and R. L. Halpern, Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Mechanically timed electrically operated switch means. 2,653,200, Sept. 22.
Foster, Howard L., Detroit, Mich. Means for drilling holes in rock formation at or below the earth's surface. 2,634,106, Apr. 7.
Foster, John C., Sr., assignor of one-half to O. B. Laird, Odessa, Tex. Fire alarm. 2,628,347, Feb. 10.
Foster, John S.: *See*—
Gow, James D., and Foster.
Foster Machine Company, assignee: *See*—
Stange, Ferdinand F.
Foster, Morris H., South Charleston, W. Va. Home refrigeration unit ice tray. 2,633,715, Apr. 7.
Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Applying a completely polymerizable thermosetting resinous composition to an electrical member. 2,661,307, Dec. 1.
Foster, Norman M.: *See*—
Howle, Ernest O., Jackson, and Foster.
Foster, Oliver K., and G. C. Jack, San Diego, Calif.; said Jack assignor to G. S. Foster. Control line reel. 2,632,610, Mar. 24.
Foster, Patrick S.: *See*—
Cohen, Arthur, and Foster.
Foster, Raymond F.: *See*—
Dome, Robert B., and Foster.

Foster, Reginald T.: *See*—
Talbot, Frank, and Foster.
Foster, Richard A., and C. G. Laspe, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Separation of geometrical isomers by urea complex formation. 2,662,879, Dec. 15.
Foster, Robert E., New Castle, Del., and H. E. Schroeder, Kennett Square, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of diamines. 2,657,240, Oct. 27.
Foster, Shubel A., Birmingham, Mich. Accurately repeating dial type comparator. 2,645,020, July 14.
Foster, Shubel A., Birmingham, assignor to Foster Engineering Company, Royal Oak, Mich. Throttle valve. 2,654,562, Oct. 6.
Foster, Thomas W., assignor to Container Corporation of America, Chicago, Ill. Display folder. 2,638,693, May 19.
Foster, Thomas W., Chicago, L. E. Schek, Berwyn, Ill., and E. L. Bradley, Cleveland, Ohio, assignors to Container Corporation of America, Chicago, Ill. Drive-in theater service tray. 2,640,589, June 2.
Foster, Thomas W., assignor to Container Corporation of America, Chicago, Ill. Flatware package. 2,652,921, Sept. 22.
Foster, Thomas W., assignor to Container Corporation of America, Chicago, Ill. Can and tumbler package. 2,663,413, Dec. 22.
Foster Transformer Company, The, assignee: *See*—
Meeks, Donald L.
Foster, Warren D., assignee: *See*—
McKay, Herbert C.
Foster, Warren D., Eustis, Fla., assignor to Foster and Foster, Ridgewood, N. J. Film handling apparatus and magazine for use therewith and control thereof. 2,624,233, Jan. 6.
Foster Wheeler Corporation, assignee: *See*—
Frisch, Martin.
Frisch, Martin, and Whitney.
Honsinger, Oliver W.
Hemenway, Henry H., and Thunstrom.
Kochle, Joseph E.
Thomson, Hugh M., and Mudle.
Foster, William L., assignor to G. D. Peters & Company Limited, Slough, England. Seat. 2,635,677, Apr. 21.
Foster, Thomas A., Jr.: *See*—
Vargo, Paul, and Foster.
Foster's Freeze National Corporation, assignee: *See*—
Martin, Philip.
Fot, Chin J., assignor to Guyan Machinery Company, Logan, W. Va. Insulator mounting. 2,659,766, Nov. 17.
Fougera, E., & Co., Inc., assignee: *See*—
Halpern, Alfred.
Foulger, Frank: *See*—
Walsh, Conrad L., Hawes, and Foulger.
Foulke, Ted E., Highland Heights, Ohio, assignor to General Electric Company. Electric discharge lamp. 2,647,217, July 28.
Foulke, Ted E., Highland Heights, Ohio, assignor to General Electric Company. Glow type thermal switch. 2,650,278, Aug. 25.
Foulke, William K., Minneapolis, Minn. Garden tool. 2,639,935, May 26.
Foulkes, Christopher H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Grid electrode for electron discharge devices. 2,624,100, Jan. 6.
Foundry Equipment Limited, assignee: *See*—
Beech, Austin S.
Fountain, Howard D., Iowa City, Iowa. Post puller. 2,662,729, Dec. 15.
Fouquet, Eugène, Bois-Colombes, France. Machine for cutting files. 2,633,674, Apr. 7.
Fouquet, Eugène, Bois-Colombes, France. Method and means for the reproduction by grinding. 2,641,089, June 9.
Fourdeux, Angéline: *See*—
Chaudoye, Noelle, and Fourdeux.
Fourmanoit, Jean C., Brussels, Belgium. Device for avoiding the dislocation of furnaces or ovens. 2,656,717, Oct. 27.
Fournier, François, Montreal, Quebec, Canada. Metal cutting knife. 2,631,372, Mar. 17.
Fournier, George E., West Hartford, assignor to P. A. Fournier, Hartford, Conn. Playpen. 2,629,110, Feb. 24.
Fournier, Patrica A., assignee: *See*—
Fournier, George E.
Four-Way Awning Company, assignee: *See*—
McCormack, John C., and White.
Four Wheel Drive Auto Company, The, assignee: *See*—
Shannon, Jean R.
Foust, Floyd J., O. W. Childress, Jr., D. O. Crim, and R. A. Thompson, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Generator armature test. 2,654,065, Sept. 29.
Foust, Floyd J.: *See*—
Burge, James S., Foust, Shaw, Rider, and McKee.
Fout, Charles L., Corpus Christi, Tex. Headrest. 2,626,654, Jan. 27.
Foutes, David A., Hannibal, Mo. Self-propelled automobile washing machine. 2,646,586, July 28.
Foutz, Clinton R., Washington, D. C. Apparatus for forming and projecting a foam mixture. 2,630,183, Mar. 3.
Fowle, John A., Winnipeg, Manitoba, Canada. fish landing nets. 2,633,351, Mar. 31.
Fowle, John M., Los Altos, and R. W. Muchmo City, assignors to Dura Bond Bearing Co., Calif. Machine for centrifugal casting. May 5.
Fowler, Alexander, assignor to Hercules Elec Co., Inc., Brooklyn, N. Y. Feeding of ma material. 2,650,824, Sept. 1.
Fowler, Alexander, assignor to Hercules Elec Co., Inc., Brooklyn, N. Y. Feeding of ma material. 2,661,208, Dec. 1.
Fowler, Alexander P.: *See*—
Williams, Gethin, and Fowler.
Fowler, Alexander P., assignor to Carrier Company Limited, London, England. Ap liquid-treatment of vehicle bodies. 2,657,
Fowler, Chester C., Evanston, assignor, by m ments, to Marino, Inc., Chicago, Ill. Ab position. 2,649,362, Aug. 18.
Fowler, Frank C.: *See*—
Waddill, Paul M., and Fowler.
Fowler, George W.: *See*—
Chitwood, Henry C., Fitzpatrick, Fowler,
Fowler, Harlan D., Whittier, Calif. Transp construction. 2,650,049, Aug. 25.
Fowler, James G., Jr., Alice, Tex. Repair ture and method. 2,651,329, Sept. 8.
Fowler, Jefferson D., and R. A. Vaughn, Calif. Chair with access preventing means, Sept. 8.
Fowler, Lambuth G., Lubbock, Tex. Separato harvesters. 2,645,821, July 21.
Fowler, Leonard E., Detroit, Mich. Interna engine. 2,636,487, Apr. 28.
Fowler, Robert D., Baltimore, Md., assignor t States of America as represented by the U Atomic Energy Commission. Preparation bons. 2,631,170, Mar. 10.
Fowler, Robert D., and W. B. Burford, III Md., assignors to the United States of Am resented by the United States Atomic Ene sion. Fluorine cell. 2,651,613, Sept. 8.
Fowler, Roy E., Watkinsville, assignor of "or Henson, Athens, Ga. Button injector and attachment. 2,646,014, July 21.
Fowler, Shortle F., Warsaw, Ohio. Figure f 2,646,990, July 28.
Fowler, William F., Jr., and D. R. Spear, Eastman Kodak Company, Rochester, N. Y ture of high wet strength paper. 2,632,699
Fowler, William E., and J. A. Thompson, Pit Curtain rod. 2,661,850, Dec. 8.
Fowler, William R., Jr., and B. R. McGill, S said McGill assignor to said Fowler, Jr. device for preventing frost damage. 2,658,
Fox, Abraham L., assignor to R. S. Dean, D. C. Producing manganese carbonate. Jan. 13.
Fox, Abraham L., Washington, D. C., assign assignments, to Manganese Battery Corpor dale, Md. Electrodes for electroche 2,631,115, Mar. 10.
Fox, Abraham L., Washington, D. C., assig ganese Battery Corporation, Riverdale, Md. for electrical and electrochemical systems. Mar. 10.
Fox, Alexander P., University City, and V. signors to Lincoln Engineering Company, S Lance type pump mounting. 2,631,756, M
Fox, Arthur B., assignor to Eastman Kod Rochester, N. Y. Rapid-change flash l 2,629,762, Feb. 24.
Fox, Alexander P., University City, and C. assignors to Lincoln Engineering Compan Mo. Lubricant injector. 2,637,413, May
Fox, Alexander P., University City, assigno Engineering Company, St. Louis, Mo. Elev for lance type lubricant pumps. 2,639,062,
Fox, Arthur L., Short Hills, and R. J. Mel Edge, assignors to Colgate-Palmolive-Pee Jersey City, N. J. Color-stable toilet wat fumes. 2,664,383, Dec. 29.
Fox, Asher J., assignor to Caryl Leslie Crea delphia, Pa. Panty girdle. 2,651,777, Se
Fox, Charles E. K., New Stanton, assignor to Fulton Controls Company, Greensburg, Pa. apparatus for springs and the like. 2,657
Fox, Delmer C., Darby, Mont. Christmas 2,639,877, May 26.
Fox, Gerald B., and D. B. Dickhart, assignor Manufacturing Company, Troy, Ohio. Rin nection. 2,637,595, May 5.
Fox, Gerald B., and D. A. Meeker, assignors to Manufacturing Company, Troy, Ohio. 2,644,473, July 7.
Fox, Harold C., Woodstock, Ill. Key operati computing machines. 2,656,980, Oct. 27.
Fox, Harold D., Pontiac, Mich. Heat excha collector apparatus. 2,654,582, Oct. 6.
Fox, Harold K.: *See*—
Kindseth, Harold V., and Fox.

Fox, Harry S., Waimanalo, Oahu, Honolulu, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Aligning device. 2,652,915, Sept. 22.

Fox, Herman H., Passaic, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Alkali metal salts of isonicotinylhydrazinomethanesulfinic acid. 2,628,237, Feb. 10.

Fox, Homer M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Viscosity compensating variable-area fuel nozzle. 2,661,243, Dec. 1.

Fox, John L.: *See*—
Sievern, Frederick, and Fox.

Fox, Karl: *See*—
Gurin, Emanuel, and Fox.

Fox, Martin, Baltimore, Md. Machine for filling cartons. 2,652,180, Sept. 15.

Fox, Martin, Chicago, Ill., assignor to The Seng Company. Bed davenport. 2,634,428, Apr. 14.

Fox, Martin, Chicago, Ill., assignor to The Seng Company. Folding leg structure. 2,657,963, Nov. 3.

Fox, Martin, Chicago, Ill., assignor to The Seng Company. Load bearing pivoted member for furniture mechanism. 2,660,462, Nov. 24.

Fox, Philip E., Marlborough, assignor to International Business Machines Corporation, New York, N. Y. Pulse generating system. 2,637,811, May 5.

Fox, Paul L.: *See*—
Musser, C. Walton, and Fox.

Fox Products Company, assignee: *See*—
Medlar, Lewis A.

Fox, Richard E., Glenview, assignor to General Porcelain Enameling and Manufacturing Company, Chicago, Ill. Display sign. 2,639,529, May 26.

Fox, Richard L.: *See*—
Blair, Cecil L., and Fox.

Fox, Robert A.: *See*—
Young, D'Arcy A., Jr., and Fox.

Fox, Robert P., assignor to Clyde Iron Works, Inc., Duluth, Minn. Crane propelled drive. 2,642,007, June 16.

Fox, Robert P., assignor to Clyde Iron Works, Inc., Duluth, Minn. Unicontroller system. 2,643,356, June 23.

Fox, Robert P., and O. L. Berby, assignors to Clyde Iron Works, Inc., Duluth, Minn. Clutch for hand power winches. 2,635,724, Apr. 21.

Fox, Roy C.: *See*—
Webb, Edward L., and Fox.

Fox, Russell P.: *See*—
Marsal, Paul A., and Fox.

Fox, Samuel, Baltimore, Md. Joint and assembling the same. 2,664,320, Dec. 29.

Fox, Willem C., Brunssum, and J. N. J. Leeman, Hoensbroek, assignors to Stamicarbon N. V., Heerlen, Netherlands. Process and apparatus for the separation of materials of different specific gravity and sizes. 2,646,169, July 21.

Fox, Willis E.: *See*—
Herbert, Robert B., and Fox.

Foxboro Company, The, assignee: *See*—
Allen, Albert.
Bowditch, Hoel L.
Bowditch, Hoel L., and Catheron.
Brazg, David K., Hickes, and Neuman.
Darling, Horace E.
Goodman, Louis.
Howe, Wilfred H., and Cushman.
Minter, Clarke C.
Vannah, William E.
Whittier, Ellerton W.

Foy, Richard H.: *See*—
London, Coleman, and Foy.

Foye, Allen B.: *See*—
Brown, Winthrop L., and Foye.

Frabill Manufacturing Company, assignee: *See*—
Brockman, Ray E.

Fraga, Frank M., Fresno, Calif. Combination hitch. 2,640,708, June 2.

Frager, Louis C., assignor to Office National d'Etudes et de Recherches Aeronautiques, Paris, France. Device for computation of roots of polynomials. 2,643,821, June 30.

Frager, Louis C. E., Paris, France. Safety device for water supply networks. 2,659,383, Nov. 17.

Frain, John P.: *See*—
Ashton, Benjamin N., Frain, and Rawding.

Fral Manufacturing Co., assignee: *See*—
Perlman, Alfred H.

Fram Corporation, assignee: *See*—
Ahlijan, Kirk.
James, William S.
Malanowski, Stanley.
Rabbitt, Milton.
Robinson, John W.
Robinson, John W., and Dobrolet.
Robinson, John W., and James.

Fram, David: *See*—
Holschuh, Carl G., and Fram.

Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Two-speed reversible controller. 2,639,337, May 19.

Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compound pressure pump. 2,659,307, Nov. 17.

Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Close coupled truck. 2,661,183, Dec. 1.

Frampton, Arthur G.: *See*—
Skinner, Roland W., and Frampton.

Frampton, Orville D.: *See*—
Noll, Robert A., and Frampton.

Francar, Gordon J., Green Bay, Wis. Reconstructing unusable bowling pins. 2,634,774, Apr. 14.

France, Antoine, deceased, late of Liege, Belgium, by A. Detienne, executor, assignor to Rheo-France Compagnie Internationale des Rheolayeurs A. France, societe anonyme, Liege, Belgium. Process and plant for the mechanical preparation of coals and minerals by washing in a plurality of chutes. 2,664,196, Dec. 29.

France Manufacturing Company, assignee: *See*—
Kazebee, Charles R.

France Manufacturing Co., The, assignee: *See*—
Ranney, Percival K., and Kazebee.

France, Martin L., Syracuse, and W. G. Landwier, Fayetteville, assignors to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine provided with conical rinse water distributing means. 2,628,488, Feb. 17.

France, Olive G., Kent, Ohio. Disposable foot slipper. 2,627,126, Feb. 3.

France, Richard S.: *See*—
Schuchman, Carl D., and France.

Francescatti, Anton, and R. Micek, Walsenburg, Colo. Chain-mortising square hole cutting attachment for drill presses. 2,645,255, July 14.

Franceschi, Domenico: *See*—
Tulumello, Pasqual C., and Franceschi.

Franceschini, Lorenzo, assignor to Societa per Azioni Officine Galileo, Firenze, Italy. Tensile testing machine for cementing materials. 2,648,221, Aug. 11.

Francesco, John P., Haverhill, Mass., now by judicial change of name John P. Francis. Windshield visor and fluid seal roof supporting means therefor. 2,633,384, Mar. 31.

Francesco, John P., Haverhill, Mass., now by judicial change of name J. P. Francis. Sleeve fastener. 2,638,028, May 12.

Francesconi, James C., Brooklyn, N. Y., and J. P. Hubbell, Fanwood, N. J.; said Hubbell assignor to said Francesconi. Screw driver with apertured handle. 2,624,383, Jan. 6.

Franch, Louis O., Milwaukee, Wis. Fuel injection apparatus. 2,62,315, June 16.

Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Solvent extraction with liquid carbon dioxide. 2,631,966, Mar. 17.

Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Solvent extraction. 2,632,030, Mar. 17.

Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Separation of hydrocarbons and hydrocarbon derivatives. 2,642,421, June 16.

Francis, Alfred W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Solvent recovery with liquid carbon dioxide. 2,646,387, July 21.

Francis, Alfred W., and G. C. Johnson, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Solvent extraction. 2,663,670, Dec. 22.

Francis, Arthur F., Newark, N. J. Measuring instrument. 2,654,956, Oct. 13.

Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Thread-reinforced films and making them. 2,631,957, Mar. 17.

Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Wilmington, Del. Transfer process for coating materials. 2,631,958, Mar. 17.

Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Wilmington, Del. Ink transfer element. 2,657,157, Oct. 27.

Francis, Charles B., Pittsburgh, Pa. Cleaning and descaling ferrous bodies. 2,630,393, Mar. 3.

Francis, Charles B., Pittsburgh, Pa. Apparatus for determining carbon and sulfur. 2,639,980, May 26.

Francis, Daniel H., Pueblo, Colo. Rotary rock drilling bit. 2,639,896, May 26.

Francis, Coleman L.: *See*—
Francis, Frank N., and C. L.

Francis, Frank N., Greer, and C. L. Francis, Greenville, S. C. Harness operating means for looms. 2,649,863, Aug. 25.

Francis, Harijs J., Morrill, Nebr. Unitary flag and banner standard. 2,655,126, Oct. 13.

Francis, John P.: *See*—
Francesco, John P.

Francis, Leo H., and N. E. Rodgers, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Whey products and manufacture. 2,661,295, Dec. 1.

Francis, Lester V., Round Lake, Ill. Portable clothes carrier for automobiles. 2,640,634, June 2.

Francis, Lynn M., Detroit, Mich. Automobile-carrying trailer. 2,654,612, Oct. 6.

Francis, Lynn M., Detroit, Mich. Tandem wheel and spring suspension. 2,654,615, Oct. 6.

Francis, Roy N., San Francisco, Calif. Racing game device. 2,630,320, Mar. 3.

Francis, Victor J., North Wembley, and E. H. Nelson, Harrow Weald, England, assignors to General Electric Company. High-pressure metal vapor electric discharge lamp. 2,650,322, Aug. 25.

Francisco, Marshall E., San Jose, Calif. Pitting and stuffing apparatus conveyer. 2,644,569, July 7.

Francisco, Marshall E., San Jose, Calif. Handling apparatus. 2,646,897, July 28.

Francisco, Marshall E., San Jose, Calif. Packing apparatus. 2,661,882, Dec. 8.

Francisco, Marshall E., San Jose, Calif. Automatic packing apparatus. 2,661,883, Dec. 8.

Francisco, William H., Jr.: *See*—
Ackerman, Edward, De Feo, and Francisco.

Franck, George E., Riverside, Ill., assignor to The Imperial Brass Manufacturing Company. Cutting tool. 2,629,926, Mar. 3.

Franck, George E., Riverside, Ill., assignor to The Imperial Brass Manufacturing Company. Combination tube working tool and reamer. 2,630,029, Mar. 3.

Franck, George E., Riverside, Ill., assignor to The Imperial Brass Manufacturing Company. Diaphragm valve. 2,654,559, Oct. 6.

Franck, George E., Riverside, Ill., assignor to The Imperial Brass Manufacturing Company. Tube flaring tool. 2,662,574, Dec. 15.

Franck, Karl, Terre Haute, Ind. Making fermented beverages. 2,650,164, Aug. 25.

Franck, Kurt: *See*—
Rolph, Thomas W., and Franck.

Franck, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Yard and street lighting system and luminaires for use therein. 2,662,165, Dec. 8.

Franck, Paul L., Washington, D. C. Combination dimmer and direction switch. 2,639,339, May 19.

Franco, Roderick E., New York, N. Y. Garment hanger. 2,652,179, Sept. 15.

Françon, Maurice M., assignor to Centre National de la Recherche Scientifique, Paris, France. Phase contrast observation. 2,657,614, Nov. 3.

Frandl, Antonio E., Mexico City, Mexico. Automobile wheel mounting. 2,642,316, June 16.

Frandl, Antonio E., Mexico City, Mexico. Vehicle wheel. 2,656,221, Oct. 20.

Frandsen, Leon C.: *See*—
Reynolds, Warren S., Turner, and Frandsen.

Frangos, Everett W., Lynn, Mass. Top. 2,645,881, July 21.

Frank, Bernard E.: *See*—
Hahn, Rea I., and Frank.

Frank, Edward J.: *See*—
Oppel, John A., and Frank.

Frank, Edward J., Springfield, and V. E. Phillips, Philadelphia, Pa., assignors to General Electric Company. Electric circuit breaker. 2,639,354, May 19.

Frank, Harry E., assignee: *See*—
Lasky, Wayne E., and Seniff.

Frank, Mark H., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Transmission and control. 2,645,135, July 14.

Frank, Robert J.: *See*—
Frank, Ruth L. and R. J.

Frank, Ruth L. and R. J., Beverly Hills, Calif. Nail polish template. 2,654,375, Oct. 6.

Frank, Walter N., assignor to The Apex Machine & Tool Company, Dayton, Ohio. Work support. 2,640,399, June 2.

Frank, Wilbert W., Packanack Lake, N. J., assignor to Curtiss-Wright Corporation. Reversible propeller. 2,634,815, Apr. 14.

Frank, William J., Rochester, N. Y. Soap and detergent dispenser for washing machines. 2,653,618, Sept. 29.

Franke & Heidecke, Fabrik Photographischer Präzisions-Apparate, assignee: *See*—
Bretthauer, Hermann.
Heidecke, Reinhold.
Knauf, Wilhelm.
Scholkemeier, Friedrich-Wilhelm.

Franke, Herman F., Millvale, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Pendulum construction. 2,645,729, July 14.

Frankel, Edward M., Nyack, N. Y. Producing refined fats and oils. 2,646,438, July 21.

Frankel, Herbert, assignor of one-half to R. W. Gunson (Seeds) Limited, London, England. Photoelectric sorting of small articles. 2,646,880, July 28.

Frankel, Samuel H., assignor to Cory Corporation, Chicago, Ill. Top closure for vessels. 2,635,783, Apr. 21.

Frankel, Sidney: *See*—
Labin, Emile, Frankel, and Silver.

Frankel, Sidney, Bergensfield, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Broadband loop antenna. 2,642,529, June 16.

Frankel, Sidney, Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse converting system. 2,643,331, June 23.

Frankel, Sydney, Ridgefield Park, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Back gauge for paper cutter-drive disconnect for manual operation. 2,649,912, Aug. 25.

Frankel, Theodore, New York, N. Y. Seal. 2,644,711, July 7.

Frankenberger, Walter M., Jr.: *See*—
Hoaglin, Raymond I., and Frankenberger.

Frankenburg, Walter G., Millersville, Pa., as
General Cigar Co., Inc., New York, N. Y.
treatment. 2,644,462, July 7.

Frankenhoff, Charles A., Scarsdale, N. Y.
method. 2,652,152, Sept. 15.

Frankenhoff, Charles A., Scarsdale, N. Y. Dia
earth and Portland cement compositions.
Oct. 6.

Frankenstein, William P., Cincinnati, Ohio.
2,628,763, Feb. 17.

Frankenstein, William P., Cincinnati, Ohio.
2,634,044, Apr. 7.

Frankenstein, William P., Cincinnati, Ohio. Di
ton. 2,640,642, June 2.

Frankenstein, William P., Cincinnati, Ohio.
2,640,643, June 2.

Frankenstein, William P., Cincinnati, Ohio.
2,650,015, Aug. 25.

Frankford, Clarence, assignee: *See*—
Diamond, Emanuel.

Frankfother, Thomas L., assignor of fifty pe
A. D. Larson, Oklahoma City, Okla. Auxil
safety trailer hitch. 2,650,101, Aug. 25.

Frankle, Harry R., Des Moines, Iowa. Control
ing drum vending machines. 2,640,574, June

Franklin, Albert W., New York, N. Y. Design fo
attaching method. 2,647,852, Aug. 4.

Franklin Balmar Corporation, assignee: *See*—
Filander, Arthur H.

Franklin, Charles J., Rochester, N. Y. Artif
2,627,135, Feb. 3.

Franklin, Clarence W., Clarkesville, Ga. Pic
check. 2,646,826, July 28.

Franklin, Clarence W., Clarkesville, and J. T
Mount Airy, Ga. Check for picker sticks.
July 21.

Franklin, Cyril W.: *See*—
Baldwin, Lee E., and Franklin.

Franklin, Edward W., Hyattsville, Md. Nec
2,643,775, June 30.

Franklin, Joe L., Jr., Baytown, Tex., assignor,
assignments, to Standard Oil Development
Elizabeth, N. J. Photochemical production o
paraffinic hydrocarbons. 2,636,853, Apr. 28.

Franklin, Joseph, Los Angeles, Calif. Reserve
2,624,400, Jan. 6.

Franklin, Leo I., executor: *See*—
Einstein, Howard C.

Franklin, Paul W., Nutley, assignor to Bendi
Corporation, Teterboro, N. J. Frequency
2,637,015, Apr. 28.

Franklin, Philip J.: *See*—
Harmon, Elise F., and Franklin.

Franklin, Sid S.: *See*—
Greene, Benjamin N., and Franklin.

Franklin Transformer Manufacturing Company
signee: *See*—
Hammond, Jasper C.
Peterson, Elmer J.

Frankowski, Julius H.: *See*—
Lamb, Miles A., Klein, Stranberg, and Fra

Franks, Alton L., West Palm Beach, Fla.
ceptacle holder. 2,649,270, Aug. 18.

Franks, Russell: *See*—
Binder, William, and Franks.

Frankwich, Alexander C., Baltimore, Md., a
Western Electric Company, Incorporated,
N. Y. Electrical contactor roll for electrop
chines. 2,643,303, June 23.

Fransen, David, Wichita, Kans. Heater for st
2,657,682, Nov. 3.

Frantz Manufacturing Co., assignee: *See*—
Wolf, Cecil R.

Frantz, John M., Modesto, Calif. Walnut d
2,645,036, July 14.

Frantz, John T.: *See*—
Cox, Charles W., Donovan, and Frantz.

Frantz, Virgil L., Roanoke, Va. Fluid pressu
valve. 2,656,144, Oct. 20.

Frantz, Wilbert P., Glen Head, assignor to T
Corporation, Great Neck, N. Y. Automatic
balancing circuits. 2,651,033, Sept. 1.

Franz, Erwin E., Cranford, N. J., assignor t
Electric Company, Incorporated, New Yo
Mounting head for coil terminals. 2,649,55

Franz, Hugh A., Houston, Tex. Child retain
seats. 2,633,906, Apr. 7.

Franz, Joseph P., Mount Clemens, Mich. H
2,636,617, Apr. 28.

Franz, Raymond A., assignor to Lion Oil Co
Dorado, Ark. Preparing acrylonitrile. 2,65
17.

Franzen, Charles: *See*—
Gillespie, Forest H., Franzen, and Motta.

Franzmann, William H., assignor to The Han
Company, Hamilton, Ohio. Winding
2,643,827, June 30.

Frasch, Jean: *See*—
Freud, Herbert M.

Fraschetti, Virgilio, London, England. Device f
with disinfectant the mouthpieces of telep
like apparatus. 2,659,778, Nov. 17.

Fraser, Byron W.: *See*—
Beesch, Samuel C., and Fraser.
Fraser, Donald S. D., Garrow, Longfield, England. Valve. 2,629,606, Feb. 24.
Fraser, Ella M., administratrix: *See*—
Fraser, Warren F.
Fraser, Hugh W.: *See*—
Sumners, Sumner J., and Fraser.
Fraser, James, assignor to Speakman Company, Wilmington, Del. Shower head with volume control. 2,658,799, Nov. 10.
Fraser, John, assignor to Avery-Hardoll Limited, Tolworth, Surbiton, England. Apparatus for dispensing liquids. 2,661,135, Dec. 1.
Fraser, Kenneth G., assignee: *See*—
Stillwagon, George B., Jr.
Fraser, Reginald P., Surrey, and A. L. Cianchi, Hampstead, London, England. Production of vitreous glazes or enamels for coating metals. 2,660,531, Nov. 24.
Fraser, Robert M., Buenos Aires, Argentina. Braiding machine. 2,653,506, Sept. 29.
Fraser, Walter A.: *See*—
Barnes, Robert B., and Fraser.
Fraser, Warren F., deceased, Westboro, Mass.; E. M. Fraser, administratrix. Control means for automatic grinding machines. 2,648,173, Aug. 11.
Frasure, James W., Clyde, Ohio. Combination rudder and propulsion device. 2,656,809, Oct. 27.
Fratelli Borletti, Societa per Azioni, assignee: *See*—
Amman, Giuseppe.
Frauenheim, Edward E., Jr., Eggertsville, N. Y. Malting apparatus. 2,654,691, Oct. 6.
Fraunfelder, Frederick D., E. L. Burner, and O. E. Buggs, Janesville, Wis. Device for imparting reciprocatory and oscillatory movement to baby carriages. 2,632,517, Mar. 24.
Frawley Corporation, assignee: *See*—
Spatz, Walter B.
Fray, Robert B., Mission, Kans. Combination tool case and sawhorse. 2,663,338, Dec. 22.
Fray, Victor H., Auckland, Auckland, New Zealand. Hopper-feed apparatus for metal thread screw blanks and the like. 2,639,445, May 26.
Fray, Victor H., Auckland, New Zealand. Screw or like nicking machine. 2,642,594, June 23.
Fray, Victor H., Auckland, New Zealand. Screw or like feeding means. 2,643,404, June 30.
Fray, Victor H., Auckland, New Zealand. Thread rolling apparatus. 2,662,430, Dec. 15.
Fraysur, Edward, Winchester, Ky. Mechanically driven musical instrument. 2,630,040, Mar. 3.
Fraza, John W., Jr.: *See*—
Tindall, John B., and Fraza.
Frazee, John D., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Spark plug elbow and barrel sealing grommet. 2,625,579, Jan. 13.
Frazel, Wilbur H., Warren, R. I., assignor to B-I-F Industries, Inc. Apparatus for determining weight of material on conveyers. 2,664,286, Dec. 29.
Frazer, Joseph H.: *See*—
Perry, James W., Johnson, and Frazer.
Frazier, Allen W., Glen Ellen, Calif. Water conditioner. 2,647,871, Aug. 4.
Frazier, Bert, Pittsburgh, Pa. Portable saw-filing clamp. 2,657,594, Nov. 3.
Frazier, Coleman T., Louisville, Ky. Coin-shaped bottle opener. 2,625,847, Jan. 20.
Frazier, David, Bay Village, assignor to The Standard Oil Company, Cleveland, Ohio. Soluble oils comprising neutralized oxidized petroleum oils. 2,653,909, Sept. 29.
Frazier, David, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant and making same. 2,637,722, May 5.
Frazier, Henry D., Alhambra, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Amine treating and dehydration of gases. 2,638,405, May 12.
Frazier, John E.: *See*—
Voorhies, James A., and Frazier.
Frazier, Larry C., assignor to National-Standard Company, Niles, Mich. Tire building machine. 2,653,645, Sept. 29.
Frazier, Quentin, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Cloud height indicator. 2,625,743, Jan. 20.
Frazier-Simplex, Inc., assignee: *See*—
Robinson, Philip W.
Voorhies, James A., and Frazier.
Frazier Tandem Systems, Incorporated, assignee: *See*—
Frazier, Van L.
Frazier, Van L., assignor to Frazier Tandem Systems, Incorporated, Springfield, Mo. Resilient bolster for vehicle spring assembly. 2,636,743, Apr. 28.
Frazier, Van L., assignor to Frazier Tandem Systems, Incorporated, Springfield, Mo. Axle load equalizing assembly. 2,653,034, Sept. 22.
Frear, Jenness B., Altadena, Calif., assignor to Watkins Patents, Inc., Quincy, Ill. Nailing machine attachment. 2,654,886, Oct. 13.
Freas, Raymond L., Conshohocken, Pa. Automatically operated signaling apparatus. 2,636,121, Apr. 21.
Freas, Raymond L., Conshohocken, Pa. Buoyant chamber scuttling device. 2,637,862, May 12.
Frech, Walter E., Lucerne, Switzerland. Dishwashing machine. 2,649,100, Aug. 18.
Frechtmann, Jean, Paris, France. Pocket fishing game device. 2,625,396, Jan. 13.
Fredd, John V., assignor to Otis Pressure Control, Inc., Dallas, Tex. Tubing callpering device. 2,637,117, May 5.
Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Frequency discriminatory system. 2,651,673, Sept. 8.
Fredendall, Gordon L., Feasterville, Pa., and R. D. Kell, Princeton, N. J., assignors to Radio Corporation of America. Signal separating circuit for color television. 2,636,937, Apr. 28.
Fredenhagen, Walter S., and M. S. Schmidt, Naperville, Ill. Apparatus for converting hard ice cream or frozen confections to a product of softer consistency. 2,628,082, Feb. 10.
Fredenhagen, Walter S., and M. S. Schmidt, Naperville, Ill. Apparatus for dispensing ice cream. 2,630,083, Mar. 3.
Frederic, Gordon L.: *See*—
Dilling, Elmer D., and Frederic.
Frederick, Edward R., and P. R. Malmberg, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Army. Apparatus for dielectric fabrication. 2,638,963, May 19.
Frederick, Jean R., Conneaut, Ohio. Sound reproducing stylus. 2,625,401, Jan. 13.
Frederick, Joseph E.: *See*—
Sulich, John, Jr., and Frederick.
Frederick, Leonard F.: *See*—
Fechheimer, Paul R., Boing, and Frederick.
Frederick, Richard E., Jr.: *See*—
Tatusko, Philip A., and Frederick.
Frederick, Robert M., Richland, Wash. Cigarette dispenser. 2,639,960, May 26.
Frederick, Tilghman G., New York, N. Y. Claw operated film-feed sprocket drive. 2,633,773, Apr. 7.
Fredrickson, Bert E., Green Bay, Wis. Archery sight. 2,642,661, June 23.
Fredrickson, Lloyd C., Chicago, assignor to Abbott Laboratories, North Chicago, Ill. Container. 2,635,604, Apr. 21.
Fredrickson, Milton O., Los Angeles, Calif. Lamp clip for dry cells. 2,655,593, Oct. 13.
Freebairn, Darwin L.: *See*—
Slater, John M., Benson, and Freebairn.
Freeberg, Benjamin F.: *See*—
Smith, William M., Freeberg, and Tharp.
Freeberg, Ernest R., Moline, Ill. Lock with roller bearing support of bolt. 2,656,708, Oct. 27.
Freeborn, James E., Broxbourne, assignor to Screen Printing Machinery Limited, London, England. Mechanism for transforming one form of movement into another, more particularly for use in stencil printing machines. 2,640,415, June 2.
Freed, Myer, assignor to Dawe's Products Company, Chicago, Ill. Choline pantothenate and manufacturing same. 2,653,968, Sept. 29.
Freed Transformer Company, Inc., assignee: *See*—
Gurevics, David.
Freedlander, Abraham L., Dayton, Ohio, assignor to The Dayton Rubber Company. V belt. 2,642,751, June 23.
Freedlander, Abraham L., Dayton, Ohio, assignor to The Dayton Rubber Company. Slasher roll. 2,656,582, Oct. 27.
Freedlander, Abraham L., and H. M. Bacon, Dayton, Ohio, assignors to The Dayton Rubber Company. Rub apron. 2,630,603, Mar. 10.
Freedman, Edward H., White Plains, N. Y. Deck of playing cards and holder therefor. 2,634,132, Apr. 7.
Freedman, Ephraim, assignor of one-half to E. J. Jacob, Brooklyn, N. Y. Heat insulating container. 2,643,021, June 23.
Freedman, Hyman, New York, N. Y. Dental font. 2,631,299, Mar. 17.
Freedman, Leon D.: *See*—
Doak, George O., and Freedman.
Freedman, Max, assignee: *See*—
Miller, Earl M.
Freedman, Ruth, New York, N. Y. Artificial body bulge. 2,636,182, Apr. 28.
Freedman, Samuel, and G. F. Bonardi, United States Navy. Microwave modulation. 2,640,964, June 2.
Freeman, Alfred, Wellingborough, England. Monorailway system. 2,633,810, Apr. 7.
Freeman, Alice M., Minneapolis, Minn. Drapery pleat construction. 2,646,116, July 21.
Freeman, Antony P., San Francisco, Calif. Teapot set. 2,661,678, Dec. 8.
Freeman, Benjamin A., Upper Montclair, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Pressure relief valve applicable to fuel gas mains. 2,647,534, Aug. 4.
Freeman, Claude C., assignor to Container Corporation of America, Chicago, Ill. Carton for commodities and premium display. 2,642,988, June 23.
Freeman, David A., Corporation, assignee: *See*—
Mulvihill, James G.
Schultz, Roy M.
Freeman, Dewey J., assignor of eighty-five percent to L. Babin, and fifteen percent to D. Melancon, Houma, La. Resilient fastener for rigid ventilated awnings. 2,639,477, May 26.

Freeman, Earl C., Milwaukee, Wis. Apparatus for fishing through ice. 2,649,801, Aug. 25.
Freeman, George A., East Orange, and C. G. Anderson, Jr., Packanack Lake, N. J., assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Discharge lamp, operating, and making. 2,654,043, Sept. 29.
Freeman, Henry R., Shreveport, La. Attachable reel for fishing rods. 2,659,544, Nov. 17.
Freeman, Hyman, London, England. Apparatus for measuring the focal length of lenses. 2,640,392, June 2.
Freeman, J. A., & Son, assignee: *See*—
Rothrock, Arthur A.
Freeman, John M.: *See*—
Freeman, Percy F., Jr., and J. M.
Freeman, Lawson J., Jr., assignor of three-fourths to E. J. Laperouse and one-fourth to L. J. Freeman, Sr., Houma, La. Ventilated metal awning. 2,641,032, June 9.
Freeman, Lawson J., Sr., assignee: *See*—
Freeman, Lawson J., Jr.
Freeman, Percy F., Jr., and J. M., Portland, Oreg. Hay baler. 2,627,714, Feb. 10.
Freeman, Robert L.: *See*—
Scherbatskoy, Serge A., and Freeman.
Freeman, Walter C., Jr., Morris Plains, N. J., assignor to Sylvania Electric Products Inc. Variable capacitor tube. 2,652,518, Sept. 15.
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Heat dissipating wheel cylinder construction for hydraulic automotive vehicle brakes. 2,629,463, Feb. 24.
Freeport Sulphur Company, assignee: *See*—
Blanchet, Henry.
Pottberg, Rolfe.
Smith, Hubert L., and Gustafson.
Freer, Cecil H., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for mounting partially completed shoes of the platform type upon lasts. 2,633,587, Apr. 7.
Freer, Clyde P., assignor to Halsey W. Taylor Company, Warren, Ohio. Precooler for refrigerated drinking fountains. 2,653,013, Sept. 22.
Freer, Phelps M., Detroit, Mich. Disk brake construction. 2,642,959, June 23.
Freer, Phelps M., Detroit, Mich. Automobile heater. 2,646,258, July 21.
Freer, Phelps M., Detroit, Mich. Automobile heater. 2,651,505, Sept. 8.
Frees, Burke, Jr., Minneapolis, Minn. Apparatus for molding veneer boats. 2,625,187, Jan. 13.
Frees, Burke, Jr., and I. O. Flolo, Minneapolis, Minn. Boat structure. 2,654,102, Oct. 6.
Freese, Ernest F., Akron, Ohio. Liquid-separating device. 2,624,463, Jan. 6.
Freese, Gerald J.: *See*—
Gano, Harlan S., and Freese.
Freese, Gerald J., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,656,436, Oct. 20.
Freestone, Oliver M., Paradise, Calif. Portable off-the-ground sprinkler apparatus. 2,625,434, Jan. 13.
Freeway Washer and Stamping Company, assignee: *See*—
Sutowski, Walter S.
Freeze, James E.: *See*—
Day, Carl L., and Freeze.
Freholm, John L., Ashland, Ky., assignor to Armco Steel Corporation, Middletown, Ohio. Apparatus for handling metal sheets. 2,662,630, Dec. 15.
Frei, Arthur J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing pan. 2,642,727, June 23.
Frei, Arthur J., Sr., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,642,726, June 23.
Frei, Arthur J., Sr., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing pan. 2,657,548, Nov. 3.
Frei, Frederick, Los Angeles, Calif. Detecting the source and analyzing the flow of water intrusions in oil wells. 2,660,887, Dec. 1.
Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Pump. 2,636,667, Apr. 28.
Frei, John, Jr., Chicago, Ill. Centrifugal casting machine. 2,636,232, Apr. 28.
Freiberg, James M., New Kensington, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Folding shipping frame for glass. 2,626,050, Jan. 20.
Freiberger, Herman: *See*—
Gamber, Eugene, and Freiberger.
Freiberger, Herman, Glen Rock, assignor to Medical Fabrics Co., Inc., Paterson, N. J. Burn and wound dressing. 2,652,829, Sept. 22.
Freifelder, Morris: *See*—
Zaugg, Harold E., Glenn, and Freifelder.
Freimiller, Louis R., South Bend, Ind., and C. H. McKeever, Glenside, assignors to Rohm & Haas Company, Philadelphia, Pa. Diaminophenylthiobutenes. 2,639,283, May 19.
Freire, Antonio C., Sao Paulo, Brazil. Fishing device. 2,653,407, Sept. 29.
Freitas, Anthony, assignee: *See*—
Toop, Frederick.
Freitas, Rose, assignee: *See*—
Toop, Frederick.
Frej, Otto, Toftlund, Denmark. Portable pre
2,645,046, July 14.
Frejacques, Jean L. M., Paris, France, assig
chiney Compagnie de Produits Chimiques
metallurgiques. Obtaining a pyrotechnical
2,626,861, Jan. 27.
Freling, Norman N., and H. L. Edwards, Bartles
assignors to Phillips Petroleum Company.
packer. 2,629,446, Feb. 24.
Fremlin, John H., and R. N. Hall, assignors
assignments, to International Standard E
poration, New York N. Y. Electron dis
paratus. 2,645,739, July 14.
Fremon, Jules A., St. Louis, Mo. Coin contro
2,646,154, July 21.
French American Reeds Manufacturing Co., Inc
See—
Maccaferri, Mario.
French, Charles A., Cuernavaca, Mexico, assig
Bates, Winnetka, Ill. Apparatus for vapor
hydrocarbons. 2,637,637, May 5.
French, Charles W., Alhambra, Calif., assig
Studebaker Corporation, South Bend, Ind.
control mechanism. 2,660,944, Dec. 1.
French, Eric A. H., Christchurch, England.
operating electric discharge devices. 2,651,7
French, George F. and R., Manchester, Engla
shoe curtain support. 2,648,869, Aug. 18.
French, Henry C., Elm Grove, assignor to A
Co., Milwaukee, Wis. Mobile dehydrator.
Sept. 8.
French, Heyward A.: *See*—
Staschover, Leo, and French.
French, James W., assignor to Barr & Strou
Glasgow, Scotland. Binocular observation
2,661,657, Dec. 8.
French, John, Ecorse, Mich., assignor to Revere
Brass Incorporated, New York, N. Y. Con
control for strip annealing. 2,626,110, Jan.
French, Lionel J. B. R., assignor to Book Mach
pany Limited, London, England. Boo
2,633,582, Apr. 7.
French, Louis O., Milwaukee, Wis. Fuel inje
ratus. 2,662,476, Dec. 15.
French, Louis O., Milwaukee, Wis. Compress
internal-combustion engine. 2,662,510, D
French, Melvin H., Brookfield, assignor to C
mercial Industries, Inc., Cook County, Ill.
board. 2,625,070, Jan. 13.
French Oil Mill Machinery Company, The, assig
Greenbank, George R.
Hutchins, Ralph P., and Simon.
Stacy, Thomas F.
Upton, Charles B.
French, Oliver S., Detroit, Mich., assignor to
Products, Inc., Cleveland, Ohio. Steering
tie rod connection. 2,650,106, Aug. 25.
French, Oliver S., Detroit, Mich., assignor to
Products, Inc., Cleveland, Ohio. Idler arm.
Dec. 1.
French, Oliver S., Detroit, and D. P. Marqui
Mich., assignors to Thompson Products, Inc.
Ohio. Idler arm. 2,660,908, Dec. 1.
French, Oliver S., Detroit, and D. P. Marqui
Mich., assignors to Thompson Products, Inc.
Ohio. Adjustable tie rod. 2,662,420, Dec
French, Roger: *See*—
French, George F. and R.
Frenger, Gunnar, Rø. V. Aker, Norway. Susp
type air conditioner. 2,662,743, Dec. 15.
Frenkel, Meyer, London, England. Taper rol
2,631,904, Mar. 17.
Frenkel, Meyer, London, England. Variable
device. 2,639,140, May 19.
Frenkel, Meyer, London, England. Governing
with variable force. 2,651,516, Sept. 8.
Frenkel, Meyer, London, England. Variable
erning mechanism with modifier. 2,656,17
Frenkel, Meyer, London, England. Heat
2,659,392, Nov. 17.
Frenkil, James, assignee: *See*—
Barton, Eugene A., and Frenkil.
Frentzel, Herman C., Milwaukee, assignor to
Pen Company, Janesville, Wis. Writing
2,627,843, Feb. 10.
Frerer, Paul G., and C. S. Smith, Peru, as
mesne assignments, to Soreng Products, I
Park, Ill. Automatic timing apparatus f
machines. 2,656,424, Oct. 20.
Frese, Clarence A., assignor to The Hardie Ma
Company, Hudson, Mich. Control for spray
2,660,125, Nov. 24.
Fresh Frozen Foods Ltd., assignee: *See*—
Burney, Charles D.
Fretz-Moon Tube Company, Inc., assignee: *See*
Church, George T.
Freud, Herbert M., dit Jean Frasch, Mante
Brightening aluminum and aluminum allo
2,647,865, Aug. 4.
Freudenstein, Michel: *See*—
Zileri, Alberto L. J., and Freudenstein.
Freund, Herman R., assignor to Intertype C
Brooklyn, N. Y. Hand stick for use in proo
matter photographically. 2,638,824, May 19.

Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Justifying apparatus for use in typographical photocomposing machines. 2,645,168, July 14.

Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Correction and make-up of type matter for planographic printing processes. 2,659,282, Nov. 17.

Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Means for gravure printing of typographical characters. 2,662,455, Dec. 15.

Freundlich, Albert, New York, N. Y. Apparatus for assembling tubular binders with loose-leaf books. 2,663,883, Dec. 29.

Freundlich-Gomez Machinery Corp., assignee: *See*—
Gomez, Albert.

Freure, Benjamin T.: *See*—
Chitwood, Henry C., Fitzpatrick, Fowler, and Freure.

Frevel, Ludo K., and J. W. Hedelund, assignors to The Dow Chemical Company, Midland, Mich. Making ethylene by catalytic pyrolysis. 2,629,753, Feb. 24.

Frevel, Ludo K., and J. W. Hedelund, assignors to The Dow Chemical Company, Midland, Mich. Bromination of benzene-series hydrocarbons. 2,659,760, Nov. 17.

Frevel, Ludo K., Midland, and L. J. Kressley, Saginaw, assignors to The Dow Chemical Company, Midland, Mich. Fractional crystallization method. 2,659,761, Nov. 17.

Frevel, Ludo K., and J. W. Hedelund, assignors to The Dow Chemical Company, Midland, Mich. Production of methylal. 2,663,742, Dec. 22.

Frevik, Ralph C., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Detachable resilient cover for rolling landsides. 2,624,258, Jan. 6.

Frevik, Ralph C., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Two-piece share. 2,626,555, Jan. 27.

Frevik, Ralph C., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Replaceable point for plow shares. 2,629,308, Feb. 24.

Frevik, Ralph C., Detroit, assignor to Dearborn Motors Corporation, Birmingham, Mich. Implement hitch for tractors. 2,653,824, Sept. 29.

Frew, Alex, Midwest City, Okla. Noisemaking attachment for bicycles. 2,633,097, Mar. 31.

Frey, Andrew C., Jackson, Mich. Garbage can safety lock. 2,636,639, Apr. 28.

Frey, Edward J., Herrin, assignor to Borg-Warner Corporation, Chicago, Ill. Centrifugal pump. 2,646,002, July 21.

Frey, Erik, and R. E. Hattis, Chicago, Ill. Proportional spacing apparatus. 2,663,399, Dec. 22.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of paraffins with aluminum bromide. 2,645,601, July 14.

Frey, George W.: *See*—
Van Riper, Elmer, and Frey.

Frey, Gustav O.: *See*—
Huntar, Felix, and Frey.

Frey, Hans J., Zollikon, assignor to E. Gretener, Zurich, Switzerland. Thermomechanical control system. 2,662,992, Dec. 15.

Frey, Joseph, Dearborn, Mich., assignor to York Industries, a division of York Manufacturing Company. Manually actuated device for projecting successively spaced film frames. 2,651,968, Sept. 15.

Frey, Walter: *See*—
Saladin, Otto, Schornstein, and Frey.
Weber, Robert, and Frey.

Frey, Walter, Basel, assignor to Saeurefabrik Schweizerhall, Schweizerhalle, Baselland, Switzerland. Separation of chlorine by absorption. 2,656,011, Oct. 20.

Freyer, Richard H.: *See*—
Swazy, Earl F., Freyer, and Busch.

Freyermuth, Harlan B., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Metallized spirit-soluble azo dyestuffs. 2,628,960, Feb. 17.

Freygang, Walter H., Essex Fells, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Welded container and cap. 2,630,936, Mar. 10.

Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Ornamental belt buckle. 2,649,636, Aug. 25.

Freyssinet, Eugène, Neuilly-sur-Seine, France. Concrete pavement. 2,655,845, Oct. 20.

Freyssinet, Eugène, Neuilly-sur-Seine, France. Large sized concrete area adapted for airplane runways and the like. 2,655,846, Oct. 20.

Frez-O-Mat Corporation, assignee: *See*—
Sutton, Myer S.

Fribance, Austin E., Rochester, and T. F. Jarvis, Warsaw, N. Y., assignors to Watson Elevator Company, Inc. Elevator control system. 2,662,204, Dec. 8.

Friberg, Vincent P., Lyndhurst, assignor to Automatic Manufacturing Corporation, Newark, N. J. Multiband tuner. 2,648,824, Aug. 11.

Fricar Mfg. Co., Inc., assignee: *See*—
Friday, Erwin J.

Frick, Chester A., Glendale, assignor to L. M. Harvey, Los Angeles, Calif. Machine for recording time on and storing coin carriers. 2,649,352, Aug. 18.

Frick Company, assignee: *See*—
Garland, Milton W.

Frick, Edward J., Fairview Park, assignor to Air Controls, Inc., Cleveland, Ohio. Power driven air circulating fan. 2,661,895, Dec. 8.

Frick, Harold: *See*—
Dunlevy, Ralph, Frick, and Shoemaker.

Frick, Robert P., Palisades, assignor of one-half to G. F. Smyth, Inglewood, Calif. Chair. 2,642,121, June 16.

Fricke, Guy C., and D. J. Schaffer, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor control mechanism. 2,624,325, Jan. 6.

Fricke, Guy C., E. M. Bimberg, and D. J. Schaffer, Detroit, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Governor having spring rate and tension adjustment means. 2,644,682, July 7.

Friday, Erwin J., South Glens Falls, assignor to Fricar Mfg. Co., Inc., Schenectady, N. Y. Sheet-material dispensing mechanism. 2,652,302, Sept. 15.

Friday, Erwin J., South Glens Falls, assignor to Fricar Mfg. Co., Inc., Schenectady, N. Y. Sheet-material dispensing mechanism. 2,652,303, Sept. 15.

Friday, James D., and W. F. Stillwell, assignors of one-half to F. D. Mays and E. L. Williams, Dallas, N. C. Five-roll double-draft frame. 2,644,201, July 7.

Friden Calculating Machine Co., Inc., assignee: *See*—
Chall, Harold J.
Ellerbeck, Grant C.
Hawthorne, Nathaniel F.
Hopkins, George W.
Hopkins, George W., and Rolph.
Machado, Anthony B.
Machado, Anthony B., and Pruellage.
Matthew, Morton P.
Moody, John L., and Davis.
Taylor, Lawrence B.

Friden, James E., Whiting, and W. A. Shire, Munster, Ind., assignors to Standard Oil Company, Chicago, Ill. Hydrogen fluoride treating system. 2,661,266, Dec. 1.

Fridolph, John S., Flushing, N. Y., assignor to The Sorg Paper Company, Middletown, Ohio. Composite sheet material and producing the same. 2,654,687, Oct. 6.

Fridolph, Maude C., Pasadena, Calif. Brassière. 2,638,596, May 19.

Frieberg, Davis, Milwaukee, Wis. Egg separator. 2,632,490, Mar. 24.

Fried, Armin, and J. W. Fried, Burbank, Calif. Deburring, chamfering and countersinking tool. 2,663,203, Dec. 22.

Fried, Joseph W.: *See*—
Fried, Armin and J. W.

Fried. Krupp, assignee: *See*—
Linke, Gerhard.

Fried. Krupp Lokomotivfabrik, assignee: *See*—
Lammerz, Ernst, and Herrmann.

Fried, Mendel, Brooklyn, N. Y. Fountain pen cap having an ink container therein. 2,658,479, Nov. 10.

Friedberg, Alan: *See*—
Brooks, Irwin and Friedberg.

Friedberg, Samuel, Atlantic City, N. J. Sun-reflecting collar. 2,626,609, Jan. 27.

Friedel, George D., Seaford, Del. Feeder. 2,660,289, Nov. 24.

Frieder, Leonard P., Great Neck, N. Y., T. H. Garber, Silver Spring, Md., and E. G. Baker, Carbondale, assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Life jacket. 2,629,116, Feb. 24.

Frieder, Leonard P., Great Neck, N. Y., and T. H. Garber, Silver Spring, Md., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Life jacket having eccentrically positioned flotation material. 2,629,117, Feb. 24.

Frieder, Leonard P., Great Neck, N. Y., T. H. Garber, Silver Spring, Md., and A. G. Luisada, New York, N. Y.; said Garber and said Luisada assignors to said Frieder. Buoyant vest. 2,629,118, Feb. 24.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Parachute shroud line suspension structure. 2,634,068, Apr. 7.

Frieder, Leonard P., Great Neck, and W. S. Finken, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Mechanical load release for parachutes and the like. 2,634,155, Apr. 7.

Friedewald, Vincent E., Big Spring, Tex. Card selecting mechanism. 2,638,215, May 12.

Friedheim, Ernst A. H., New York, N. Y. Triazine organometallic compounds and preparing same. 2,659,723, Nov. 17.

Friedheim, Ernst A. H., New York, N. Y. Therapeutic gold-dimercapto reaction product. 2,660,549, Nov. 24.

Friedheim, Ernst A. H., New York, N. Y. Organometallic compounds. 2,662,079, Dec. 8.

Friedheim, Ernst A. H., New York, N. Y. Heterocyclic metal and sulfur organic compounds. 2,664,432, Dec. 29.

Friedl, Anton J., Chicago, Ill., assignor to United States Steel Corporation. Device for holding coils of strapping with means for delivering lengths therefrom. 2,641,470, June 9.

Friedl, Anton J., and W. E. Shipley, Chicago, Ill., assignors to United States Steel Corporation. Adjustable rack. 2,660,381, Nov. 24.

Friedler, Max H., Lewiston, Maine. Garment hanger construction. 2,647,666, Aug. 4.

Friedley, Robert C., Lorain, Ohio, assignor to Gregory Industries, Inc. Composite stud. 2,663,270, Dec. 22.

Friedlob, Fred M., Chicago, Ill. Combined compression relief and carburetor control for internal-combustion engines. 2,625,924, Jan. 20.

Friedman, Aaron, assignor to Joe Lowe Corporation, New York, N. Y. Defrosting tank for confection molds. 2,632,453, Mar. 24.

Friedman, Abraham, assignee: *See*—
Smallen, Philip.

Friedman, Alex., Kommandit-Gesellschaft, assignee: *See*—
Nemetz, Gustav.

Friedman, Alvin H., Kansas City, Mo., assignor to Phillips Petroleum Company. Distribution for inlet gas. 2,654,659, Oct. 6.

Friedman, George E., Oakland, Calif. Adjustable mobile chair for spastic children. 2,630,160, Mar. 2.

Friedman, Herbert, Arlington, Va. Voltage regulator. 2,656,478, Oct. 20.

Friedman, Herbert, Arlington, Va. Suppressing photoelectric threshold. 2,657,316, Oct. 27.

Friedman, Isidore I., Washington, D. C., and O. F. Tuttle, Kensington, Md. Synthesizing large single crystals of quartz. 2,638,408, May 12.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Means for securing rolls to shafts. 2,634,144, Apr. 7.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Nut piercing method. 2,645,793, July 21.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Outboard bearing for metal rolling apparatus. 2,645,955, July 21.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Stock straightener for cold header devices. 2,646,102, July 21.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Transfer mechanism. 2,648,077, Aug. 11.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Stock reel speed control mechanism. 2,664,250, Dec. 29.

Friedman, Joseph B., Maywood, Calif. Apparatus and method for forming corrugations in tubing. 2,631,645, Mar. 17.

Friedman, Joseph S.: *See*—
Harsh, Harold C., and Friedman.

Friedman, Joseph S., Johnson City, assignor to General Aniline & Film Corporation, New York, N. Y. Indophenazines as catalysts in dye bleach baths for color photography. 2,627,461, Feb. 3.

Friedman, Max, High Point, N. C. Tobacco dispenser. 2,641,361, June 9.

Friedman, Nathan H.: *See*—
Smith, Franklin E., and Friedman.

Friedman, Nathan H., Stratford, Conn. Physician's finger cot. 2,637,031, May 5.

Friedman, Philip, New York, N. Y. Man's undergarment. 2,661,738, Dec. 8.

Friedman, Samuel, Brooklyn, N. Y. Oil remover or wiper with built-in oil catching receptacle. 2,632,906, Mar. 31.

Friedman, Samuel, Brooklyn, N. Y. Corner guard. 2,633,252, Mar. 31.

Friedman, Samuel, assignor to Reliable Machine Works, Inc., Brooklyn, N. Y. Fur treating machine. 2,633,731, Apr. 7.

Friedmann, Albert, assignor to Karl Lieberknecht, Inc., Reading, Pa. Fabric take-up mechanism for knitting machines. 2,624,185, Jan. 6.

Friedmann, Benno: *See*—
Nothmann, Shimshon E., and Friedmann.

Friedmann, Giovanni, Milan, Italy. Means for transporting and distributing fertilizers on fields. 2,656,648, Oct. 27.

Friedrich, Ed, Inc., assignee: *See*—
Brinkoeter, Paul H.

Friedrich, Rudolph C.: *See*—
Rausch, Clifford A., and Friedrich.

Friedrich, Valentine, Jr., assignor to The Beckett Paper Company, Hamilton, Ohio. Process and apparatus for avoiding curl in machine-made paper. 2,661,669, Dec. 8.

Frielinghaus, Ferdinand: *See*—
Schmidt, Job, and Frielinghaus.

Frielinghaus, Ferdinand, Dortmund, Germany. Hot strip furnace reel. 2,646,231, July 21.

Friend, Albert W., Lawrenceville, N. J., assignor to Radio Corporation of America. Magnetic transducer. 2,628,284, Feb. 10.

Friend, Albert W., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray tube. 2,634,380, Apr. 7.

Friend, Benjamin R., Indianapolis, Ind. Storage and baler cabinet. 2,639,037, May 19.

Friend, David S.: *See*—
Newman, Robert J., and Friend.

Fries, Bernard A.: *See*—
Sigworth, Harrison W., and Fries.

Friesz, Eugene G., Burns, Oreg. Tie rack. 2,659,643, Nov. 17.

Frigidweld, Inc., assignee: *See*—
Javor, George.

Frigie Corporation of America, assignee: *See*—
Glazer, Daniel.

Frigstad, Rudolph S.: *See*—
Cross, Bert S., and Frigstad.

Frigstad, Rudolph S., assignor to Minnesota Manufacturing Company, St. Paul, Minn. able abrasive-coated sheet material. 2,627,1

Friis, Harald T.: *See*—
Beck, Alfred C., and Friis.

Frink, Carl H., La Fargeville, and G. W. Keny ors to Frink Sno-Plows, Inc., Clayton, N. ment for V type snowplows. 2,663,098, Dec

Frink, Russell E.: *See*—
Rawlins, Herbert L., Dickinson, and Frink.

Frink, Russell E., Pittsburgh, and E. H. Fisch assignors to Westinghouse Electric Corpor Pittsburgh, Pa. Circuit interrupter. June 30.

Frink Sno-Plows, Inc., assignee: *See*—
Frink, Carl H., and Kenyon.

Frisbie, Marshall H., Hamden, assignor to The A Company, New Haven, Conn. Splittable cabl ble conductors. 2,628,998, Feb. 17.

Frisbie, Stewart E., and W. O. Smiley, Danvil J. C. Frommer, Cincinnati, Ohio, assignors Eye Equipment Company, Danville, Ill. Aut trol system. 2,643,117, June 23.

Frisbie, Stewart E., and W. O. Smiley, Danvil J. C. Frommer, Cincinnati, Ohio, assignors Eye Equipment Company, Danville, Ill. Sl tion control device for moving webs. 2,654,

Frisby Corporation, assignee: *See*—
Frisby, Frank D.

Frisby, Frank D., assignor to Frisby Corporatio Mo. Retaining ring. 2,660,913, Dec. 1.

Frisch, Abraham H., and A. Silverberg, New Method and means for producing and recor and composite notes or tones. 2,627,413, Fe

Frisch, Erling: *See*—
Baker, Benjamin P., and Frisch.
Baker, Benjamin P., Frisch, Aspey, and

Frisch, Erling, Pittsburgh, Pa., and W. T. Hu liamsville, N. Y., assignors to Westinghou Corporation, East Pittsburgh, Pa. Motor tem. 2,631,262, Mar. 10.

Frisch, Kurt C., and P. D. Shroff, Pittsfield, signors to General Electric Company. Tri benzaldehydes. 2,641,605, June 9.

Frisch, Kurt C., and P. D. Shroff, Pittsfi assignors to General Electric Company. silylbenzamides. 2,647,137, July 28.

Frisch, Kurt C., Pittsfield, Mass., and M. Wol N. Y., assignors to General Electric Compa cyanoalkoxy silanes. 2,657,226, Oct. 27.

Frisch, Madeline V., Larchmont, N. Y. Conve chair. 2,660,224, Nov. 24.

Frisch, Martin, assignor to Foster Wheeler C New York, N. Y. Fluid vessel. 2,647,656, A

Frisch, Martin, New York, and G. C. Whitney ville, assignors to Foster Wheeler Corpor York, N. Y. Laminated-ring and multiple mill. 2,644,643, July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Paper making process utilizi locust bean gum. 2,644,749, July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Paper making process utilizi locust bean gum. 2,644,750, July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Paper making process utilizi locust bean gum. 2,644,751, July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Paper making process utilizi locust bean gum. 2,644,752, July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Modified locust bean gum, solu and making a locust bean gum solution. July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Modified locust bean gum, solu and making a locust bean gum solution. July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Modified locust bean gum, solu and making a locust bean gum solution. July 7.

Frisch, Nat, White Plains, and F. J. Swee Hills, assignors to Stein, Hall & Company, York, N. Y. Modified locust bean gum, solu and making a locust bean gum solution. July 7.

Frischmann, Joseph A., assignor to Towmot tion, Cleveland, Ohio. Roller structure fo carriages. 2,648,401, Aug. 11.

Frishman, Morton, assignee: *See*—
Sweetser, Bert M.

Frisk, Walter E., assignor to Montgomery W Incorporated, Chicago, Ill. Centering device. July 7.

Frisone, John, Lynn, Mass. Hydraulic mechanism for imparting a rotary motion to a member. 2,626,504, Jan. 27.

Frist, Marley O., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ejector for header pupches. 2,628,514, Feb. 17.

Fritschi, Hans: *See*—
Roehm, Erwin G., and Fritschi.

Fritschi, Walter W., Manhasset, R. O. Soffel, Hastings-on-Hudson, and A. Weaver, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voice frequency signaling circuit. 2,642,500, June 16.

Fritter-Chef Corporation, assignee: *See*—
Wright, George J. and R. J.

Fritz, Carroll S.: *See*—
Whiteley, Joseph O., Jr., and Fritz.

Fritz, Harry W., Jr.: *See*—
Cramer, William J., Jr., and Fritz.

Fritz, Robert J., Baton Rouge, La., assignor to Standard Oil Development Company. Method of and apparatus for improving gas distribution in bubble-cap tower operating on fluidized solids. 2,639,973, May 26.

Fritzberg, Lawrence H., assignor to Aerofin Corporation, Syracuse, N. Y. Heat exchanger. 2,626,783, Jan. 27.

Fritzberg, Lawrence H., assignor to Aerofin Corporation, Syracuse, N. Y. Heat exchanger. 2,650,799, Sept. 1.

Fritze, Edgar H.: *See*—
Carney, Charles S., Fritze, and Stanley.

Fritze, Melinda C., St. Louis, Mo. Cabinet. 2,635,940, Apr. 21.

Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Tape feeding and dispensing. 2,628,093, Feb. 10.

Fritzinger, George H., West Orange, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y. Device for dispensing pressure-sensitive adhesive tape. 2,636,691, Apr. 28.

Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Thermostatic switch. 2,660,646, Nov. 24.

Froebel, Carlton A., and P. R. Green, Cranford, N. J., assignors to Standard Oil Development Company. Explosionproof ground clamp. 2,632,068, Mar. 17.

Froehlich, Harry W., Los Angeles, Calif. Radiant stitched brassière cup and making same. 2,629,100, Feb. 24.

Froehlig, Rudolph A., Little Neck, assignor to Modern Record Albums, Inc., College Point, N. Y. Jacket for phonograph records. 2,628,619, Feb. 17.

Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Electroluminescent zinc sulfide phosphor. 2,660,566, Nov. 24.

Froese, Waldtraut: *See*—
Von Schickh, Otto, and Froese.

Frohlich, Gus R., Los Angeles, Calif. Flashlight having a central adjustable lamp carrier. 2,629,045, Feb. 17.

Frohmader, Stanley H., and V. C. Archer, assignors to Research Products Corporation, Madison, Wis. Making high viscosity products having petroleum oil base and product of such method. 2,627,938, Feb. 10.

Frohmader, Stanley H., and M. J. Shoemaker, assignors to Research Products Corporation, Madison, Wis. Medicinal mineral oil vehicle thickened with polyethylene. 2,628,187, Feb. 10.

Frohring, William O., Newbury Township, Geauga County, Ohio. Vibrator with amplitude measuring circuit. 2,625,152, Jan. 13.

Frolich, Per K.: *See*—
Sparks, William J., Gleason, and Frolich.

Froling, Robert O., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Tiltable propeller for aircraft. 2,625,347, Jan. 13.

Froman, Darol K., Santa Fe, N. Mex., W. H. Hinch, Denver, Colo., and R. J. Watts, Santa Fe, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber circuit. 2,651,726, Sept. 8.

Fromme, Earl F., Kirksville, Mo. Circulating air heating furnace with internal air heating conduit. 2,646,791, July 28.

Frommelt, Cyril P.: *See*—
Frommelt, Horace A. and C. P., and Phillips.

Frommelt, Horace A., Milwaukee, Wis., C. P. Frommelt, Dubuque, Iowa, and R. A. Phillips, Pittsburgh, Pa. Heat-resistant garment. 2,627,072, Feb. 3.

Frommer, Joseph C.: *See*—
Frisbie, Stewart E., Smiley, and Frommer.

Fromson, Howard A., New York, N. Y. Gas holder. 2,626,859, Jan. 27.

Frondel, Clifford: *See*—
Arons, Arnold B., and Frondel.

Frontier Industries, Inc., assignee: *See*—
Dorscheid, George P.

Frontier Manufacturing Company, assignee: *See*—
Jenkins, Jack, and Beren.

Frost, Albert E., Bloomfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Interpolating circuit. 2,652,452, Sept. 15.

Frost, Arthur F.: *See*—
Redman, Albert M., and Frost.

Frost Box Co., Inc., assignee: *See*—
Thurston, Benjamin L.

Frost Company, assignee: *See*—
Russell, Robert E.

Frost, Earl S., Arapahoe, Nebr. Tackle box seat. 2,657,734, Nov. 3.

Frost, Edward K., New York, N. Y. Cooling attachment for fans. 2,653,017, Sept. 22.

Frost, Frederick H., Portland, and F. E. Brinnick, Westbrook, Maine. Photo-sensitive printing plate having a light sensitive coating consisting of a colloid, a phosphate and a chromium compound. 2,624,672, Jan. 6.

Frost, Frederick H., Portland, and F. E. Brinnick, Westbrook, Maine, assignors to S. D. Warren Company, Boston, Mass. Photo-sensitive printing plate having a light sensitive coating consisting of a nonprotein colloid, a phosphate and a chromium compound. 2,624,673, Jan. 6.

Frost, Hildreth, Jr., Denver, Colo. Flotation machine. 2,646,882, July 28.

Frost, Kenneth L., Oakland, Calif. Luminescent signaling device. 2,656,763, Oct. 27.

Frost, Lawrence W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Organosiloxanes containing trifluoromethylphenyl groups. 2,636,896, Apr. 28.

Frost, Lester P., Placerville, Calif. Balk connector. 2,647,270, Aug. 4.

Frost Railway Supply Co., The, assignee: *See*—
Endsley, Louis E.

Frost, Robert C., assignor to Perfex Corporation, Milwaukee, Wis. Modulating gas control. 2,646,932, July 28.

Froussard, Albert F., St. Louis, Mo. Boring implement. 2,638,802, May 19.

Frowe, Eugene W., assignor to Robert H. Ray Co., Houston, Tex. Gravimeter apparatus. 2,660,062, Nov. 24.

Frozen Food Fountain, Inc., assignee: *See*—
Sullivan, George H.

Fruh, Arthur W., Chicago, Ill. Closure member operated switch. 2,624,792, Jan. 6.

Fruit Machinery Company, assignee: *See*—
Harrer, Theodore M.
Luther, Paul E.

Fruitman, Frank W., Tucson, Ariz. Demountable baby walker. 2,636,546, Apr. 28.

Fruit Products Corporation, assignee: *See*—
Schenk, Tamis C.

Frum, Samuel, New York, N. Y. Temple retaining device. 2,626,538, Jan. 27.

Frush, William H., Atwood, Ind. Hat hanger. 2,626,712, Jan. 27.

Frushour, Russel E., assignor to South Bend Lathe Works, South Bend, Ind. Table or head positioning attachment for drill presses and the like. 2,638,800, May 19.

Frushour, Russel E., assignor to South Bend Lathe Works, South Bend, Ind. Antenna support tower and erecting and operating same. 2,645,315, July 14.

Fruth, Hal F.: *See*—
Boykin, Otis F., and Fruth.

Fruth, Hal F., Skokie, Ill. Bimetallic fastener. 2,652,740, Sept. 22.

Fry, Ben L., St. Louis, Mo., assignor to Itsa Manufacturing Co. Door slam muffler means. 2,639,461, May 26.

Fry, Clifford W., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Handle for cooking utensils. 2,624,066, Jan. 6.

Fry, Clifford W., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Pan stacks. 2,624,487, Jan. 6.

Fry, Cosby R., Summersville, W. Va. Coal loading machine. 2,650,691, Sept. 1.

Fry, Douglas J.: *See*—
Kendall, John D., and Fry.

Fry, Horace P., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,628,409, Feb. 17.

Fry, Horace P., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying wound textile package. 2,657,472, Nov. 3.

Fry, John J., assignor to Fry Reglet Corporation, Bremerton, Wash. Mounting for metallic window sashes. 2,629,467, Feb. 24.

Fry, Lloyd A., Roofing Company, assignee: *See*—
Stencil, Felix.

Fry, Lloyd D.: *See*—
Callahan, Vincent T., and Fry.

Fry, Millard E., assignor to General Motors Corporation, Dayton, Ohio. Broiler. 2,639,659, May 26.

Fry, Orris J., assignee: *See*—
Moser, George H.

Fry Reglet Corporation, assignee: *See*—
Fry, John J.

Fryda, Paul A., West Allis, Wis. Brush handle connection. 2,641,513, June 9.

Frydlender, Sophia, assignor to Lancome S. A., Paris, France. Lipstick holder. 2,663,414, Dec. 22.

Frye, Bunyan M., assignor of forty-nine per cent to H. M. Frye, Sr., and H. M. Frye, Jr., Dallas, Tex. Program alarm device. 2,625,222, Jan. 13.

Frye, Charles F., Chicago, Ill. Machine control. 2,652,732, Sept. 22.

Frye, Colin M.: *See*—
Knights, Richard N., and Frye.

Frye, Helen V., Sedona, Ariz. Convertible furniture base. 2,635,023, Apr. 14.

Frye, Hugh M., Jr., assignee: *See*—
Frye, Bunyan M.

Frye, Hugh M., Sr., assignee: *See*—
Frye, Bunyan M.

Frye, Jack, Sedona, Ariz. Stationary power plant having radially and axially displaced jet engines. 2,628,473, Feb. 17.

Frye, Jack, Sedona, Ariz. Sealing device for plastic sheet material. 2,629,809, Feb. 24.

Frye, Jason L., Denison, and J. W. Frye, Fort Worth, Tex. Spraying head. 2,626,835, Jan. 27.

Frye, Jason W.: *See*—
Frye, Jason L., and J. W.

Frye, Raymond P.: *See*—
Arpin, Edmund P., Jr., and Frye.

Frye, Sanders A., Westerville, Ohio, assignor to American Machine & Foundry Company. Apparatus for discharging pins from the pits of bowling alleys. 2,625,397, Jan. 13.

Frye, Wilbur F., West Lafayette, Ohio. Duckbill slewing apparatus. 2,642,983, June 23.

Frykdahl, Carl E. H., Duluth, Minn., assignor to International Telephone and Telegraph Corporation. Cabinet construction. 2,662,660, Dec. 15.

Fryklund, Robert A., Somerville, Mass., assignor to Raytheon Manufacturing Company. Electrical switch. 2,643,863, July 7.

Fryling, Charles F.: *See*—
Pritchard, James, and Fryling.

Frystak, Theodore K., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Steering mechanism. 2,655,328, Oct. 13.

Fuchs, Alfred R., Kansas City, Mo. Sealing mechanism for wrapping machines. 2,650,643, Sept. 1.

Fuchs, Harry, New York, N. Y. Device for forming fabrications from strip material. 2,632,413, Mar. 24.

Fuchs, Paul E., Colorado Springs, Colo. Device for severing rolled materials. 2,639,031, May 19.

Fuchs, Walter M.: *See*—
Rosenzweig, Sam, and Fuchs.

Fuchs, William F., Berwyn, and V. Lekan, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Wire stripping and twisting device. 2,645,959, July 21.

Fuchslocher, Theodor F. E., Van Nuys, Calif. Reinforced power transmission belt. 2,645,132, July 14.

Fučík, Karel and L. Lábler, assignors to Spofa, Spojene farmaceuticke zavody, narodni podnik, Prague, Czechoslovakia. Manufacture of biologically active coumarine and product thereof. 2,647,131, July 28.

Fudge, Brian T., Blanco, Tex. Flooring device. 2,636,716, Apr. 28.

Fuehring, Karl T., Hollydale, assignor of one-half to C. E. Moose, Los Angeles, Calif. Diaphram actuated electrical switch. 2,649,518, Aug. 18.

Fuel Research Corporation, assignee: *See*—
Stillman, Albert L.

Fuente, Benjamin: *See*—
O'Connor, Bernard E., and Fuente.

Fuerst, Brooks D., Sylvania, Ohio. Fluent material operated toy. 2,633,663, Apr. 7.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter opening revice for focusing. 2,625,088, Jan. 13.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. High-speed shutter. 2,663,235, Dec. 22.

Fuerst, Harry W., assignor of one-half to C. B. Jamison and one-half to M. Allen, Los Angeles, Calif. Sign device. 2,663,959, Dec. 29.

Fugassi, James P., and G. A. Cowan, Pittsburgh, Pa., assignors to The General Tire and Rubber Company, Akron, Ohio. Making silver formate. 2,630,444, Mar. 3.

Fugate, Wesley O., and L. C. Lane, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of formoguanamines. 2,653,938, Sept. 29.

Fugazzotto, Paul, Indianapolis, Ind. Antigen for determination of syphilis and making the same from yeast. 2,638,435, May 12.

Fuger, Frederick W., Grosse Pointe, Mich. Portable kiln. 2,662,263, Dec. 15.

Fugitt, Jay T., Renton, Wash. Animated amusement figure. 2,637,940, May 12.

Fuglie, Elmer A., Winona, Minn., assignor to Winona Tool Manufacturing Company. Crankshaft grinding device. 2,629,213, Feb. 24.

Fuglie, Elmer A., Winona, Minn., assignor to Winona Tool Manufacturing Company. Combination brush and Sponge windshield cleaner. 2,663,889, Dec. 29.

Fuhrman, Ralph E., assignee: *See*—
McNamee, Paul D., Fay, and Derry.

Fuhrman, William F., Los Angeles, Calif., assignor of one-half to E. O. Gerth, Richmond, Ind. Automatic vending machine. 2,654,505, Oct. 6.

Fuhse, Theresa, Bradley Beach, N. J. Toolbox. 2,657,657, Nov. 3.

Fukami, Masaharu: *See*—
Uji, Tatsuro, Sugiura, and Fukami.

Fula, Esther A., Milwaukee, Wis. Overshoe liner. 2,642,678, June 23.

Fulcher, Maxwell S.: *See*—
Daniel, Robert S., and Fulcher.

Fulke, Frank L., Terre Haute, Ind. Barrel-type internal-combustion engine construction. 2,630,100, Mar. 3.

Fuller, Alfred J.: *See*—
Potter, William W., and Fuller.

Fuller, Boine W., assignee: *See*—
Tucker, Jesse D.

Fuller Brush Company, The, assignee: *See*—
Anderson, Alfred F.
Cave, Henry.
Le Febvre, Alfred L.

Fuller, Charles E., and T. J. Sedlak, Los Angeles, Calif. Bearing washer. 2,634,738, Apr. 14.

Fuller Company, assignee: *See*—
Gaffney, Joseph B.
Hornbrook, Philip R.
Lintz, Mark.
Weller, Leo G.

Fuller, Edwin S.: *See*—
Smith, Grover C., and Fuller.

Fuller, Everett W.: *See*—
Richter, Frederick P., and Fuller.

Fuller, James B., assignee: *See*—
Merrifield, John B.

Fuller, James J., Rolla, Mo. Cigarette extinguishing device. 2,649,096, Aug. 18.

Fuller, John L.: *See*—
Picking, Jay W., and Fuller.

Fuller, Leonard, London, assignor of one-half to E. W. Sudlow, Leigh-on-Sea, England. Storage battery plate grid. 2,625,574, Jan. 13.

Fuller, Leonard, London, and J. A. Szper, Barking, England, assignors, by mesne assignments, to L. Fuller, London, and E. W. Sudlow, Berkeley Gardens, England. Separator for electric secondary batteries. 2,655,552, Oct. 13.

Fuller, Louis J., Los Angeles, Calif. Instrument for determining motor vehicle action. 2,654,538, Oct. 6.

Fuller, Mack F., Woodbury, N. J., and P. Van Fossen, Chicago, Ill., assignors to E. I. du Pont de Nemours and Company, Wilmington, Del. Carbomethoxybenazazide and preparation. 2,661,355, Dec. 1.

Fuller Manufacturing Company, assignee: *See*—
Backus, Thomas.
Backus, Thomas, and Ludvigsen.
Perkins, Charles M.

Fuller, Orla A., Indianapolis, Ind. Gauge. 2,652,632, Sept. 22.

Fuller, Paul K., Rocky River, Ohio. Grinding disk. 2,653,428, Sept. 29.

Fuller, Revilo, Phoenix, Ariz. Leakproof irrigation valve. 2,628,056, Feb. 10.

Fuller, Richard N., assignor to Eastman Kodak Company, Rochester, N. Y. Sheet-feeding and turning apparatus. 2,649,303, Aug. 18.

Fuller, Richard W.: *See*—
Collins, Don F., Apel, and Fuller.

Fuller, Ross, assignor to Philadelphia Leather Goods Corporation, Philadelphia, Pa. Handle for luggage and the like. 2,652,908, Sept. 22.

Fuller, Russell W., assignee: *See*—
Thomas, Orrin H.

Fullerform, Inc., assignee: *See*—
Morgan, John F.

Fullerton, James B., assignor to C. A. Miketta, Los Angeles, Calif. Oscillatable spray means for dishwashing apparatus. 2,648,343, Aug. 11.

Fullerton, John J.: *See*—
Fullerton, Robert S. and J. J.

Fullerton, Robert S. and J. J., Columbiana, Ohio. Hydraulic control system for artificial limbs. 2,629,876, Mar. 3.

Fullerton, William O., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage supply control circuit. 2,656,487, Oct. 20.

Fulmer, Carl G., Chicago, and D. Int-Hout, Park Ridge, Ill., assignors to Lever Brothers Company. Shipping and display carton. 2,654,469, Oct. 6.

Fulton Bag & Cotton Mills, assignee: *See*—
Carter, Jack W.

Fulton Company, The, assignee: *See*—
Riemann, Howard C.

Fulton, Hugh W., E. B. Stead, and D. More, Glasgow, Scotland, assignors, by mesne assignments, to The Glacier Metal Company Limited, Alperton, England. Centrifuge for cleaning liquids. 2,650,022, Aug. 25.

Fulton, Joel B., assignor to R. L. Brinson Company, High Point, N. C., trading as Transport Apparatus and Device Company. Apparatus for loading heavy spools. 2,637,452, May 5.

Fulton, Wilbur C., Pittsburgh, and R. S. Tusing, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Quick detachable connector for metal-enclosed switchgears. 2,647,247, July 28.

Fulwider, John A.: *See*—
Pershing, William H., McClain, and Fulwider.

Fumagalli, Charles, Guatemala City, Guatemala. Wind motor with radially pivoted blades. 2,629,450, Feb. 24.

Fundingsland, Laurence O., Burlington, Colo. Bearing for weeder rods. 2,646,737, July 28.

Funk, Casimir, New York, and A. J. Merritt, Elmont, assignors to U. S. Vitamin Corporation, New York, N. Y. Production of derivatives of 9-polyhydroxyalkyl-isoalloxazines and products obtained. 2,654,735, Oct. 6.

Funk, Chester S.: *See*—
Martin, John B., and Funk.

Funk, Chris: *See*—
Finkbeiner, Theodore, and Funk.

Funk, Gilbert R., assignor to Waukesha Foundry Company, Waukesha, Wis. Sanitary pump with infinitely variable output. 2,636,440, Apr. 28.

Funk, John J., Chicago, Ill. Locking coupler. 2,657,073, Oct. 27.

Funk, Julius H., St. Louis, Mo. Headwear. 2,640,199, June 2.

Funk, Rudolph, Ivyland, Pa. Line-spacing copyholder. 2,642,841, June 23.

Funke, Emil: *See*—
Peddinghaus, Werner, and Funke.

Funke, Fred W., Oakland, Calif. Portable spray pump. 2,649,335, Aug. 18.

Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,630,193, Mar. 3.

Funkhouser, Mearick, and P. J. Long, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Packing. 2,643,147, June 23.

Funkhouser, Mearick, and G. A. Brundrett, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Shock absorber. 2,655,233, Oct. 13.

Funnell, Kenneth R., assignor to Funnell's Inventions Limited, Blenheim, Marlborough, New Zealand. Machine for loading bundles of tobacco leaves onto sticks. 2,652,932, Sept. 22.

Funnell's Inventions Limited, assignee: *See*—
Funnell, Kenneth R.

Fuqua, Mack C.: *See*—
Gilcrease, John R., and Fuqua.
Giraitis, Albert P., and Fuqua.

Fuqua, Mack C., Baton Rouge, La., assignor to Standard Oil Development Company. Spent acid restoration process. 2,629,747, Feb. 24.

Fuqua, Mack C., Baton Rouge, La., assignor to Standard Oil Development Company. Polymer treatment for fiberboards. 2,643,200, Jupe 23.

Furman, Jack, San Antonio, Tex. Furniture structure, marquetry with fabric. 2,638,971, May 19.

Furman, Kenneth E.: *See*—
Finch, Harry de V., and Furman.

Furnas Electric Company, assignee: *See*—
Cobb, Harold E., and Furnas.
Furnas, William C., and Koertge.
Johnson, Arthur B., Jr.

Furnas, William C.: *See*—
Cobb, Harold E., and Furnas.

Furnas, William C., Batavia, and N. H. Keertge, Glen Ellyn, assignors to Furnas Electric Company, Batavia, Ill. Mounting for electric motor starters. 2,652,506, Sept. 15.

Furnell, Dale Q., St. Paul, Minn. Hypodermic syringe. 2,658,511, Nov. 10.

Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Philadelphia, Pa. Yarn advancing reel having liquid applying and liquid stripping means. 2,647,389, Aug. 4.

Furniss, Henry D., assignor to Gordon Foods, Inc., Atlanta, Ga. Potato chip bleaching equipment. 2,639,656, May 26.

Furniss, Loree E.: *See*—
Settles, James C., and Furniss.

Furr, John B., and C. M. Neher, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Chlorination of ethane. 2,644,016, June 30.

Fürst, Stefan, Munchen-Gladbach, assignor to W. Reiners, Waldniel, Niederrhein, Germany. Thread winding machine, particularly cop winding frame. 2,657,867, Nov. 3.

Furzehill Laboratories Limited, assignee: *See*—
Milsom, Frederick R.

Fuscaldo, Frank, Chicago, Ill. Hairpin. 2,638,103, May 12.

Fuster, Antonio L., Delano, Calif. Permanently mounted motor vehicle jack. 2,646,250, July 21.

Fuston, Howard L., Oak Park, Ill. Ignition breaker. 2,629,788, Feb. 24.

Futral, Henry M.: *See*—
Baston, Cyril E., and Futral.

Futter, Homer, Spokane, Wash. All weather salt block. 2,658,476, Nov. 10.

Futterknecht, Rudolf, Stuttgart, Germany, assignor to Nassau Distributing Co., Inc., New York, N. Y. Ionization responsive instrument. 2,646,516, July 21.

Fyke, Russell W., Sceptre, assignor to S. J. Safian, Regina, Saskatchewan, Canada. One-way disk harrow or plow. 2,661,675, Dec. 8.

Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. Television antenna. 2,632,849, Mar. 24.

Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. Television circuit. 2,644,105, June 30.

Fyler, George W., Lombard, and A. Goldsmith, Chicago, Ill., assignors to Motorola, Inc. High-frequency coupling circuits. 2,629,822, Feb. 24.

Fyler, George W., Lombard, and L. S. Kongable, La Grange, assignors to Motorola, Inc., Chicago, Ill. Television deflection system. 2,644,103, June 30.

Fyler, George W., and L. J. Mattingly, Lombard, assignors to Motorola, Inc., Chicago, Ill. Television circuit. 2,644,104, June 30.

G. K. N. Group Services Limited, assignee: *See*—
Ballard, Alfred G., Dent, Broscomb, and Watt.
Watt, Alexander B.

G-M Laboratories, Inc., assignee: *See*—
McMaster, Archie J., Kitto, and Burian.

G M Manufacturing Co., assignee: *See*—
Kahl, Joseph, and Johnsrud.

G. W. B. Electric Furnaces Limited, assignee: *See*—
Tatem, John A.

Gaba, John W.: *See*—
Milander, John E., and Gaba.

Gabb Manufacturing Company, Inc., assignee: *See*—
Cooper, Robert S.

Gaber, Martin, Chicago, Ill. Letter pad. 2,661,224, Dec. 1.

Gabler, Josef, Zurich, Switzerland. Cream box. 2,627,365, Feb. 3.

Gabler, Joseph, Zurich, Switzerland. Container for pasty substances. 2,626,730, Jan. 27.

Gabler, Joseph, Zurich, Switzerland. Dispensing device. 2,635,789, Apr. 21.

Gabore, James J., New York, N. Y. Test probe. 2,654,075, Sept. 29.

Gaboury, Eugene, Van Dyke, Mich. Overhead conveyer trolley. Re. 23,658, May 19.

Gabriel Company, The, assignee: *See*—
Patriquin, William G.

Gabriel, Daniel, Bonny Blue, Va. Hypodermic syringe. 2,626,603, Jan. 27.

Gabriel, Gustave O., West Haven, Conn., assignor of one-half to Perma Realty Co., New York, N. Y. Shock-absorbing mechanism. 2,639,141, May 19.

Gabriel Steel Company, assignee: *See*—
Creegan, Vincent T.

Gabriele, Samuel F., Brooklyn, N. Y. Electric drill adapter kit. 2,641,479, June 9.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Sandwich vending machine. 2,638,396, May 12.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Advertising display clock assembly. 2,641,856, June 16.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Beverage vending machine. 2,644,734, July 7.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Change device for electrical coin registers. 2,646,806, July 28.

Gabrielsen, Christian, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Candy merchandising machine. 2,652,304, Sept. 15.

Gabrielson, Samuel I., Lynn, Mass., assignor to General Electric Company. Emergency decluteching mechanism for clothes wringers. 2,639,602, May 26.

Gabriet, Paul: *See*—
Dorand, René, and Gabriet.

Gad, Inger G.: *See*—
Hald, Jens G., Gad, and Deans.

Gadberry, Howard M., and E. Peterson, assignors to Hall Brothers Incorporated, Kansas City, Mo. Staining embossing plates. 2,639,226, May 19.

Gadbois, Lewis F., Kenmore, N. Y., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,628,089, Feb. 10.

Gadd, Charles W.: *See*—
Van Degrift, Thomas C., Gadd, and Matsen.

Gadomski, Peter A., South Bend, Ind. Lamp reflector. 2,631,225, Mar. 10.

Gadomski, Peter A., South Bend, Ind. Luminous sign. 2,637,927, May 12.

Gadsden, Christopher P., Belmont, A. B. Macnee, Boston, H. Wallman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. High-frequency wide band amplifier. 2,644,860, July 7.

Gaede, Robert H., Washington Township, Bergen County, N. J. Nonskid projectile. 2,634,982, Apr. 14.

Gaetani, Robert A., Norfolk, Va., and E. C. Vestal, Jr., U. S. Navy. Radio frequency ignition system analyzer and interference locator. 2,649,567, Aug. 18.

Gafanesch, André: *See*—
Colin, Jules, Burr, and Gafanesch.

Gaffney, Francis J., Malverne, and H. A. Finke, New York, assignors to Polytechnic Research and Development Company Incorporated, Brooklyn, N. Y. Impedance measuring bridge. 2,650,347, Aug. 25.

Gaffney, Joseph B., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Retroverted passage type muffler with outer conduit formed of sound absorbing material. 2,640,577, June 2.

Gafin, Goodman, Bangor, Maine. Fire alarm and extinguisher. 2,629,449, Feb. 24.

Gagarine, Dmitry M., Danville, Va., assignor to Dan River Mills, Incorporated. Manufacturing acetone-formaldehyde condensation products. 2,641,591, June 9.

Gagarine, Dmitry M., W. B. Smith, Jr., and M. J. Spangler, Danville, Va., assignors to Dan River Mills, Incorporated. Modified methylol melamines and making and using same. 2,662,872, Dec. 15.

Gagas, Stanley, Perkasie, Pa. Tension control for full fashion hosiery machines. 2,630,982, Mar. 10.

Gage, Arthur G., Bell, Calif. Retrievable well pump. 2,663,261, Dec. 22.

Gage, Fred W.: *See*—
Tondreau, Albert W., and Gage.

Gage, Lonnie L., and C. L. Nelson, Snyder, Tex. Means for removing foreign matter from drill holes. 2,660,250, Nov. 24.

Gagen, Joseph W., Bronxville, N. Y. Nail lacquer bottle assembly, including brush wiper. 2,627,619, Feb. 10.

Gagliano, Nicholas, Wauwatosa, Wis. Submersible amphibian landing craft. 2,627,832, Feb. 10.

Gaglio, Oswald, Nice, France. Semiautomatic ignition control device. 2,644,438, July 7.

Gagne, Arthur L., San Francisco, Calif. Pump for feeding molten metal. 2,662,256, Dec. 15.

Gagne, Ovila J., Manchester, N. H. Portable hose shut-off device. 2,663,537, Dec. 22.

Gagnebin, Albert P., Red Bank, N. J., and L. L. Seigle, Dorchester, Mass., assignors to The International Nickel Company, Inc., New York, N. Y. Abrasion and corrosion resistant white cast iron. 2,662,011, Dec. 8.

Gagnier, George E., assignee: *See*—
Scott, Robert E.

Gaidos, Alonzo F., Redwood City, Calif. Selective fire converter for semiautomatic firearms. 2,649,030, Aug. 18.

Gaidos, Alonzo F., Redwood City, Calif. Fire control mechanism. 2,649,031, Aug. 18.

Gail, Charles H., assignor to Spring Machinery Company, Los Angeles, Calif. Machine for making bed springs. 2,663,038, Dec. 22.

Gail, Stewart E., Maple Heights, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Commutator. 2,652,509, Sept. 15.

Gailliot, Paul, Paris, and J. Robert, Maisons Laffitte, France, assignors, by mesne assignments, to Parke, Davis & Company, Detroit, Mich. Diastereoisomeric propane derivatives and their manufacture. 2,663,727, Dec. 22.

Gailmard, Eugene P., Jr.: *See*—
Gailmard, Eugene P., Sr., and E. P. Gailmard, Jr.

Gailmard, Eugene P., Sr., Chicago, and E. P. Gailmard, Jr., Munster, Ind., said Gailmard, Jr., assignor to said Gailmard, Sr. Cigarette lighter. 2,651,931, Sept. 15.

Gaines, Ernest L., Seattle, Wash. Fluid cycling system. 2,631,610, Mar. 17.

Gaines, James W., Los Angeles, Calif., assignor to North American Aviation, Inc. Load application unit. 2,647,400, Aug. 4.

Gaines, John M.: *See*—
Murphy, John J., Gaines, and McCandless.

Gaines, Lloyd L., Lawrence, Kans. Fishhook sharpener. 2,657,503, Nov. 3.

Gair, Albert W.: *See*—
Booth, James H., and Gair.

Gair, Robert, Company, Inc., assignee: *See*—
Ahlmeyer, Heinz, and Sherman.
Gilchrist, John.
Keiser, George W., Jr., Muise, and Miller.
Loomer, Joseph T.
Rossi, Harry J., and Weiss.
Vahle, Raymond.
Weiss, Arthur J.

Gaire, Paul E., Midland Park, N. J. Slide rule and cursor with hairline adjusting means. 2,643,059, June 23.

Gaiser, Carl, Gehling, Turgi, assignor to Mefina S. A., Benningen, Switzerland. Carrying case for portable sewing machines. 2,664,333, Dec. 29.

Gaiser, Conrad J.: *See*—
Merrill, Homer D., and Gaiser.

Gaiser, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Connection for electrically conducting films. 2,628,299, Feb. 10.

Gaiser, Romey A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,640,904, June 2.

Gaiser, Romey A., and C. M. Browne, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing unit. 2,625,640, Jan. 13.

Gaiser, Romey A., and J. H. Boicey, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Electrically conducting laminated glass. 2,650,976, Sept. 1.

Gaite, Harold D., assignor to British Telecommunications Research Limited, Taplow, England. Cam device for controlling electric circuits. 2,639,340, May 19.

Gaithe, Leon D., Managua, Nicaragua, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Soaplike compositions and making same. 2,637,699. May 5.

Galantino, Anthony: *See*—
Esposito, Augustus, and Galantino.

Galatas, S. A., trustee, assignee: *See*—
Bernett, Willis J.

Galazzi, Joseph A.: *See*—
Harris, Charles D., and Galazzi.

Galazzi, Joseph A., Evansville, Ind., assignor to International Harvester Company. Air conditioning apparatus. 2,654,232, Oct. 6.

Galazzi, Joseph A., Morrison, W. D. Jordan, Chicago, and P. D. Van Vliet, River Forest, assignors to Liquid Corbonic Corporation, Chicago, Ill. Refrigerated storage, dispensing, and display cabinet. 2,637,178, May 5.

Gale, Andrew T., assignor to Chrysler Corporation, Highland Park, Mich. Rear axle suspension. 2,631,682, Mar. 17.

Gale, Charles J., New York, N. Y. Glare shield for spectacles. 2,639,430, May 26.

Gale, Marvin E.: *See*—
Wilcox, Thomas N., Gale, and Stadthaus.

Gale, Rowland A., Yonkers, N. Y., and J. T. Haigh, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Protected enzyme preparation. 2,642,376, June 16.

Galera, José, Rosario, Argentina. Rotary and reciprocating multiple valve. 2,626,810, Jan. 27.

Galik, Jess G., Bayside, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Stack clamp. 2,647,673, Aug. 4.

Galin, Marc, assignor to Etablissements Paul Duclos, Le Canet-Marseille, France. Cable-feed mechanism for cable ships. 2,659,549, Nov. 17.

Galinski, Roman: *See*—
Piwczynski, Edward F., and Galinski.

Galion Iron Works & Manufacturing Company, The, assignee: *See*—
Wright, Fred J.

Galkin, Joseph, New York, N. Y. Folder for blindstitch sewing machines. 2,646,759, July 28.

Galla, Stephen J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Door checking and holding device. 2,645,810, July 21.

Gallagher, Charles J.: *See*—
Cobine, James D., and Gallagher.

Gallagher, Charles J., Schenectady, and S. Ruthberg, Middletown, N. Y., assignors to the United States of America as represented by the Secretary of War. Gas tube noise generator. 2,658,149, Nov. 3.

Gallagher, John P., and J. L. Kelly, Chicago, Ill.; said J. L. Kelly now by marriage J. L. Gallagher. Thread spool and needle holder. 2,648,472, Aug. 11.

Gallagher, Joseph J.: *See*—
Snook, Cecil R., and Gallagher.

Gallagher, June L.: *See*—
Gallagher, John P., and Kelly.

Gallagher, Peter P.: *See*—
Bisner, Edward H., and Gallagher.

Gallagher, Ray J.: *See*—
Lomax, Clarence E., and Gallagher.

Gallagher, Richard L., Erie, Pa., assignor to Victor Safe & Equipment Company, Inc., North Tonawanda, N. Y. Letter tray. 2,627,343, Feb. 3.

Gallagher, Samuel D., and J. Lamversie, St. Louis, Mo. Lock for fifth wheel king pins. 2,641,124, June 9.

Gallagher, William P., assignor to International Register Company, Chicago, Ill. Cutting machine drive means. 2,662,413, Dec. 15.

Gallagher, William P., and C. J. Courant, assignors to International Register Company, Chicago, Ill. Portable reciprocating cutting machine. 2,624,115, Jan. 6.

Gallan, Pierre H., Marseille, France. Hollow former for the manufacture of shoes. 2,644,970, July 14.

Gallant, Alfred E., and A. C. Markkula, Los Angeles, and R. F. Markkula, North Hollywood, Calif. Fracture nail inserter. 2,645,220, July 14.

Gallay, Harris, Belleville, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. PTM modulator and demodulator system. 2,629,856, Feb. 24.

Gallay, Harris, Belleville, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Ring oscillator pulse producing circuit. 2,642,526, June 16.

Gallaz and Co., assignee: *See*—
Reinhold, Charles.

Galle, Morris R.: *See*—
Eisner, Robert S., and Galle.

Gallenkamp, Norma B., Houston, Tex. Shampooing and setting hair. 2,655,923, Oct. 20.

Galler, William, Valley Stream, assignor to American Cystoscope Makers, Inc., New York, N. Y. Halothenoylglycines. 2,658,904, Nov. 10.

Galley, Andrew H., York Mills, Toronto, Ontario, Canada, assignor, by mesne assignments, to Luxene, Inc., New York, N. Y. Sink and drainboard assembly. 2,646,575, July 28.

Galley, Fred C.: *See*—
Dillman, Earnest J., and Galley.

Galley, Fritz, assignors to Fabrique d'Horlogerie Chs Tissot & Fils S. A., Le Locle, Switzerland. Universal timekeeper. 2,641,898, June 16.

Galley, Fritz, assignor to Fabrique d'Horlogerie CHS Tissot & Fils S. A., Le Locle, Switzerland. Universal watch setter. 2,654,213, Oct. 6.

Gallice, Pierre, Riorges, and P. and L. Nogier, assignors to Societe d'Etudes et d'Applications Techniques S. E. D. A. T., Lyon, France. Injection syringe. 2,629,376, Feb. 24.

Galliers, Marshall W., Radburn, N. J., assignor to Curtiss-Wright Corporation. Fluid-tight joint. 2,656,200, Oct. 20.

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Machine tool. 2,643,441, June 30.

Galliot, Jules A. N., Bexley, England. Turbine driven multistage compressor. 2,646,209, July 21.

Gallo, Patrick V., Brooklyn, N. Y. Combined cabinet and desk. 2,646,331, July 21.

Gallo, Paul P., assignor of twenty-five percent to E. A. Renner, Youngstown, Ohio. Gauge and warning light combination. 2,659,070, Nov. 10.

Gallo, Richard L., Maytown, assignor of one-half to C. Bitner, Milton Grove, Pa. Self-propelled drilling machine. 2,639,895, May 26.

Galloway, Glenn O., McLean, Va., assignor to Servel, Inc., New York, N. Y. Gas range. 2,625,149, Jan. 13.

Galloway, Robert K.: *See*—
Kerr, Charles E., and Galloway.

Galloway, William M., Taft, Calif. Cotton gin trash disposal unit. 2,663,381, Dec. 22.

Gallowitz, William R., Cleveland, Ohio. Spring latch mechanism. 2,634,997, Apr. 14.

Galluppi, Bernardino F., assignor to Barker, Smith and Company, New York, N. Y. Pipe coupling. 2,653,040, Sept. 22.

Galoich, Louis C., assignor to Coinometer Corporation, Chicago, Ill. Coin delivery chute. 2,636,586, Apr. 28.

Galonska, David A.: *See*—
Lincoln, Clovis W., Kearful, and Galonska.

Galper, Isadore, Manchester, N. H. Conveyer system for assembly lines and the like. 2,636,591, Apr. 28.

Galuppo, James: *See*—
Angiolino, Guy, and Galuppo.

Galuska, Charles W., assignor of fifty per cent to L. Edwards, Burbank, Calif. Exhaust valve cooling assembly. 2,656,826, Oct. 27.

Galvin, Joseph M., Indianapolis, Ind. Apparatus for injecting filling within bakery products. 2,664,054, Dec. 29.

Gamareklan, Sooren E., Schenectady, N. Y., assignor to General Electric Company. Recording apparatus. 2,639,209, May 19.

Gamber, Eugene, Chicago, Ill., and H. Freiberger, Glen Rock, assignors of one-third to said Gamber and two-thirds to Medical Fabrics Co., Inc., Paterson, N. J. Pressure bandage. 2,661,776, Dec. 8.

Gambill Mfgrs., Inc., assignee: *See*—
Gambill, Oscar L.

Gambill, Oscar L., assignor to Gambill Mfgrs., Inc., Iola, Kans. Belt gearing. 2,630,720, Mar. 10.

Gamble Brothers, Inc., assignee: *See*—
Dosker, Cornelius D.

Gamble, Charles B., Birmingham, Ala. Diaphragm for pressure responsive apparatus and the like and pressure responsive device embodying the same. 2,651,328, Sept. 8.

Gamble, David E., assignor to Borg-Warner Corporation, Chicago, Ill. Sprag type clutch. 2,624,436, Jan. 6.

Gamble, David E., Tucson, Ariz., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch driven plate with bonded linings. 2,630,199, Mar. 3.

Gamble, Frederick D. M., assignor of one-half to Samuel Williams & Sons, Limited, London, England. Automatic weighing gear. 2,639,137, May 19.

Gamble, Harold R., assignor to The De Vilbiss Company, Toledo, Ohio. Valve mechanism. 2,632,621, Mar. 24.

Gamble, Hedwig, Ponders End, England. Machine for wrapping rodlike articles in tubular wrappers. 2,624,165, Jan. 6.

Gamble, Hedwig, Ponders End, England. Machine for making filter and like tips for cigarettes. 2,628,541, Feb. 17.

Gamble, James G., assignor to Paul Whitin Manufacturing Co., Northbridge, Mass. Cop handling mechanism. 2,646,226, July 21.

Gamertsfelder, George R., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Impedance measuring instrument. 2,641,632, June 9.

Gamewell Company, The, assignee: *See*—
Weld, Foster E.

Gammeter, Harry F., Cleveland Heights, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Sheet reversing mechanism for rotary perfecting sheet printing apparatus. 2,625,101, Jan. 13.

Gammeter, John R., Akron, Ohio. Machine for cutting contoured shapes. 2,633,194, Mar. 31.

Gammeter, John R., Akron, Ohio. Apparatus for testing and sorting thin rubber articles. 2,649,960, Aug. 25.

Gammie, John E.: *See*—
Komuchar, Victor J., and Gammie.

Gampp, George E.: *See*—
Allen, Howard G., Gampp, and Smith.

Gampp, George E., Kenmore, N. Y., assignor to American Machine & Foundry Company. Band applying mechanism. 2,660,353, Nov. 24.

Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing mixed diaryl esters of ortho-phosphoric acid. 2,656,373, Oct. 20.

Gamrath, Harry R., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of alkyl phenyl phosphoric acids and the salts thereof. 2,656,374, Oct. 20.

Gamrath, Harry R., St. Louis, and W. E. Weesner, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Monoalkyl dinaphthyl phosphate esters. 2,650,935, Sept. 1.

Gamrath, Harry R., St. Louis, and W. S. Knowles, Kirkwood, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of 1-p-nitro-phenyl-2-dichloroacetamidopropane-1,3-diol. 2,651,661, Sept. 8.

Gamrath, Harry R., and R. E. Hatton, assignors to Monsanto Chemical Company, St. Louis, Mo. Alkanediol phosphoryl monochlorides. 2,661,365, Dec. 1.

Gamrath, Harry R., and R. E. Hatton, assignors to Monsanto Chemical Company, St. Louis, Mo. Alkanediol mono-aryl ortho-phosphates. 2,661,366, Dec. 1.

Gandee, James W., Los Angeles, Calif. Transparency display device. 2,646,636, July 28.

Gandelot, Howard K., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Switch. 2,661,400, Dec. 1.

Gandrud, Ebenhard S., Owatonna, Minn. Spreader for fertilizer, seeds, and the like having removable hopper bottom portion. 2,630,945, Mar. 10.

Gandrud, Ebenhard S., Owatonna, Minn. Detachable mounting for rate control slide in fertilizer spreaders. 2,661,125, Dec. 1.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Operation control means for calculating machines. 2,636,677, Apr. 28.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Keyboard clearing mechanism. 2,636,679, Apr. 28.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Factor entering means. 2,658,684, Nov. 10.

Gangel, Robert N., Oceanside, N. Y. Tow target hit indicator. 2,628,836, Feb. 17.

Ganger, Jesse R.: *See*—
Christian, Raymond A., and Ganger.
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.

Ganguin, Karl O., and N. H. Haddock, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Producing integral color correction masks. 2,663,637, Dec. 22.

Ganguin, Karl O., N. H. Haddock, and E. Macdonald, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Color correction of multicolor film by integral styryl dye masking images. 2,663,638, Dec. 22.

Ganim, Joseph, Brooklyn, N. Y. Extension connection for brassières and undergarments. 2,653,323, Sept. 29.

Gann, Bettie K., Valley Center, Kans. Presser foot for rivet sets. 2,630,030, Mar. 3.

Gann, Paul W., and G. E. Ham, Dayton, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Dyeable acrylonitrile copolymers. 2,656,325, Oct. 20.

Gannaway, Robertson R., Oak Park, Ill., assignor to Raytheon Manufacturing Company. Duration ratio regulator. 2,659,856, Nov. 17.

Gannett, Danforth K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Monitor system insensitive to impedance variations. 2,640,094, May 26.

Gannett, Wright K.: *See*—
Mast, Gifford M., and Gannett.

Gannon, Alfred C., Indianapolis, and C. E. Kilby, Knightstown, assignors to Kingan & Co. Incorporated, Indianapolis, Ind. Packaging machine. 2,628,758, Feb. 17.

Gannon, Alfred C., Indianapolis, C. E. Kilby, Knightstown, and V. R. Rupp, assignors to Kingan & Co., Incorporated, Indianapolis, Ind. Meat curing device. 2,656,785, Oct. 27.

Gannon, Jesse, Culver City, assignor to Ben Weingart, Los Angeles, Calif. Well packer. 2,664,164, Dec. 29.

Gannon, John P., Bronx, J. Paintner, Hollis, and W. Schnitzer, Bronx, N. Y. Die for use in high-frequency heating. 2,631,646, Mar. 17.

Gano, Harlan S., Wilkinsburg, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,624,815. Jan. 6.

Gano, Harlan S., and G. J. Freese, Beaver, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,656,432, Oct. 20.

Gano, Joseph J., Worcester, Mass., assignor, by mesne assignments, to J. Orbell, Brooklyn, N. Y. Cutting machine for plastic material. 2,641,041, June 9.

Gano, Joseph J., Worcester, Mass., assignor by mesne assignments, to Kearney & Trecker Corporation, West Allis, Wis. Control device. 2,651,746, Sept. 8.

Gans, François F., Paris, France. Manufacturing process of cadmium sulfide, selenide, telluride photoconducting cells. 2,651,700, Sept. 8.

Gant, Virgil A., Oak Park, assignor to Northwestern Research Corporation, Chicago, Ill. Treating hair. 2,643,375, June 23.

Gantenbein, Robert P., assignee: *See*—
Rockwell, Chauncey L.

Gantner, Edward G., assignee: *See*—
Manetti, Mario J., and James.

Gantt, James E., Elmwood Park, assignor to Universal Oil Products Company, Chicago, Ill. Separation of closely boiling fractions from a binary mixture. 2,629,239, Feb. 24.

Gantz, Emmett J., Burlington, Iowa. Ratchet wrench. 2,627,330, Feb. 3.

Gantz, Harry, H. H. Schwartz, and C. Insillo, Sr., assignors to Empire Brush Works, Inc., Portchester, N. Y. Brush and the bristle formed therewith. 2,645,804, July 21.

Ganz, Milton, St. George, N. Y. Latch attachment for valve-operated spray nozzles. 2,657,007, Oct. 27.

Ganzer, Tod O., Hibbing, Minn. Razor blade protector. 2,636,264, Apr. 28.

Gaona, Rafael C., Tijuana, Baja California, Mexico. Electrically controlled lock. 2,637,578, May 5.

Gappa, William L., West Allis, and C. E. Buerki, assignors to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Fuel feed control for liquid fuel ranges. 2,625,991, Jan. 20.

Gapstur, John J., Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Reciprocating feed device. 2,624,441, Jan. 6.

Gapstur, Joseph M.: *See*—
Pollock, Robert K., and Gapstur.

Gapstur, Joseph M., Ashland, Ohio. Combined container and display rack. 2,649,957, Aug. 25.

Gaquinto, Jerry J., Passaic, N. J. Vehicle wheel. 2,636,535, Apr. 28.

Garapolo, Orlando, Chicago, Ill., assignor to Wilson & Co., Inc. Carriage control device for bacon slicing machines. 2,642,910, June 23.

Garaycochea, Carlos, Buenos Aires, Argentina. Device for separating water and foreign matter from liquid fuel. 2,656,926, Oct. 27.

Garber, John D.: *See*—
Spark, William J., Young, and Garber.

Garber, John D., and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Polymer composition and preparing same. 2,625,523, Jan. 13.

Garber, Otis A., Clayton, Mo., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car coupler centering device. 2,626,716, Jan. 27.

Garber, Ray H., Minneapolis, Minn. Detachable ash tray for match packs. 2,627,971, Feb. 10.

Garber, Thomas H.: *See*—
Frieder, Leonard P., and Garber.
Frieder, Leonard P., Garber, and Baker.

Garberg, J. Albert, Casper, Wyo. Power saw guide. 2,630,147, Mar. 3.

Garbo, Paul W., Freeport, N. Y. Disklike plaything. 2,640,699, June 2.

Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Transferring heat by a powdered thermophore in a state of dense phase fluidization. 2,641,450, June 9.

Garbo, Paul W., Freeport, assignor to Hydrocarbon Research, Inc., New York, N. Y. Fluidized solids reactor. 2,655,437, Oct. 13.

Garbo, Paul W., Long Beach, N. Y. Gaseous diffusion process. 2,637,625, May 5.

Garbs, Raymond, Kankakee, Ill. Strike plate. 2,650,848, Sept. 1.

Garbuny, Max, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Self-tuning klystron. 2,650,324, Aug. 25.

Garbuny, Max, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Self-tuning resonant cavity. 2,660,711, Nov. 24.

Garco Products, Inc., assignee: *See*—
Tillotson, Edwin W.

Gard, George E.: *See*—
Phillips, Washington H., and Gard.

Gard, George E., assignors to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for heating material in predetermined areas only preparatory to further processing, e. g., shearing. 2,630,519, Mar. 3.

Gard, George E., assignor to Armstrong Cork Company, Lancaster, Pa. Impregnating wood. 2,631,109, Mar. 10.

Gard, George E., East Hempfield Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for dielectric heating. 2,638,529, May 12.

Gard, George E., assignor to Armstrong Cork Company, Lancaster, Pa. Mold structure for dielectric heating. 2,663,790, Dec. 22.

Garde, Aage: *See*—
Almström, Knut, Garde, Hedström, and Brodersen.

Gardes, Alfred W.: *See*—
Urso, Ralph F., Gardes, and Carleton.

Gardes, Alfred W., Detroit, Mich., assignor to Honan-Crane Corporation, Lebanon, Ind. Rotary fiber comb and stripper therefor. 2,637,074, May 5.

Gardes, Alfred W., Detroit, Mich., assignor to Honan-Crane Corporation, Lebanon, Ind. Flange connecting means. 2,663,586, Dec. 22.

Gardetto, Charles J., Cudahy, Wis. Emergency traction device. 2,651,347, Sept. 8.

Gardiner, Cecil M.: *See*—
Robinson, Ernest L., and Gardiner.

Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Valve for power transmissions. 2,633,861, Apr. 7.

Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Dual rotary pump for power transmissions. 2,642,802, June 23.

Gardiner, Duncan B., Detroit, E. F. Klessig, Berkley, and H. C. Parsons, Grosse Pointe Park, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,653,550, Sept. 29.

Gardiner, Earle V., Chicago Heights, Ill. Burglar alarm system. 2,636,163, Apr. 21.

Gardiner, William C., Niagara Falls, assignor to Mathieson Chemical Corporation, New York, N. Y. Apparatus for electrolysis of alkali metal compounds. 2,627,501, Feb. 3.

Gardinor, Elliott W., Conklin, C. I. Johnson, and E. J. Lamb, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Clutch. 2,633,957, Apr. 7.

Gardinor, Elliott W., Conklin, and A. B. Crowell, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record card punching machine. 2,647,581, Aug. 4.

Gardner, Andrew L., Berkeley, Calif., assignor, by mesne assignments, to the United States of America. Sequence spark gap system. 2,659,839, Nov. 17.

Gardner, Arthur O., Dayton, assignor of thirty per cent to H. L. Bishop and E. E. Stansell, doing business as Bishop-Stansell Company, West Carrollton, Ohio. Printing plate registering device. 2,632,957, Mar. 31.

Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical space discharge tube. 2,631,258, Mar. 10.

Gardner Board and Carton Co., The, assignee: *See*—
Anness, Russell W.
Ringler, William A.

Gardner, Clair C., Rockford, Ill. Cabinet having tiltable receptacles. 2,631,914, Mar. 17.

Gardner, Daniel, New York, N. Y. Production of fine graphite. 2,653,082, Sept. 22.

Gardner, Daniel, New York, N. Y. Production of unctuous graphite. 2,655,433, Oct. 13.

Gardner-Denver Company, assignee: *See*—
Huffman, Mervin C.

Gardner, Edward M.: *See*—
Gmoser, Carl H., and Gardner.

Gardner, Fred R., Wichita, Kans. Quick release locking mechanism. 2,628,854, Feb. 17.

Gardner, George F., Scotia, N. Y., assignor to General Electric Company. Recording device. 2,644,738, July 7.

Gardner, James D., Houston, Tex., assignor to Baash-Ross Tool Company, Los Angeles, Calif. Caliper for threaded joints. 2,663,086, Dec. 22.

Gardner, James M.: *See*—
Piper, Frank R., and Gardner.

Gardner, Jimmy D.: *See*—
Lynes, John, Allen, and Gardner.

Gardner, John R., Pekin, assignor to Caterpillar Tractor Co., Peoria, Ill. Automatic centering means for bearings. 2,624,437, Jan. 6.

Gardner, Lawrence H., Lakewood, Ohio. Flow control valve. 2,634,947, Apr. 14.

Gardner, Leland A., Summit, N. J., and W. T. Rea, Manhasset, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph trunk and control circuits. 2,639,320, May 19.

Gardner Machine Company, assignee: *See*—
Cadman, Harold O.
Gardner, Ralph D.
Loofboro, Vernon L., and White.

Gardner, Philip T., Seattle, Wash. Saber saw. 2,634,771, Apr. 14.

Gardner, Ralph D., Roscoe, assignor to Gardner Machine Company, South Beloit, Ill. Grinding machine with wheel surface position indicator. 2,656,653, Oct. 27.

Gardner, Robert P. G., London, England, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating apparatus. 2,655,590, Oct. 13.

Gardner, Roland H., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,637,267, May 5.

Gardner, Roland M., Swampscott, Mass., S. J. Gartner, Emporium, Pa., and E. W. Barrett, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Automatic lamp stem fabricating apparatus. 2,637,144, May 5.

Gardner, Roy T.: *See*—
Brooks, James C., and Gardner.

Gardner, Thomas E., Raleigh, N. C. Line fault signal device. 2,651,030, Sept. 1.

Garduño, Felipe R., Mexico City, Mexico. Moving signal apparatus. 2,646,766, July 28.

Garey, George E., Downs, Kans. Flexible harrow hitch. 2,656,660, Oct. 27.

Garfield, Owen R., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in two-way signaling system. 2,632,052, Mar. 17.

Garfield, William L., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Arrangement for indicating the rate of change of a physical effect. 2,645,755, July 14.

Garfinkel, Benjamin, Brooklyn, N. Y. Dynamically and aerodynamically-stable suspension bridge. 2,632,190, Mar. 24.

Garfinkel, Esak N., Lynn, Mass. Wrinkle remover for shoes. 2,626,793, Jan. 27.

Garfunkel, Louis X., New York, N. Y. Patty receiving device. 2,651,430, Sept. 8.

Gargisa, Marion: *See*—
Rudel, Harry W., and Gargisa.
Garibaldi, Joseph G., Saticoy, Calif. Lacing needle for leathercraft. 2,655,297, Oct. 13.
Garine, Paul, Paris, France, assignor to Yardney International Corp., New York, N. Y. Electric accumulator with zinc electrodes. 2,636,059, Apr. 21.
Garing, Wilbur M., Torrington, Wyo. Stylus holder. 2,632,249, Mar. 24.
Garing, Wilbur M., Torrington, Wyo. Inside ring engraving attachment. 2,660,933, Dec. 1.
Garland, Charles S., and F. H. Rogers, London, England. Filter. 2,642,186, June 16.
Garland, Mather, Mound, Minn. Clamp for umbilical cords and the like. 2,626,608, Jan. 27.
Garland, Mather, Mound, Minn. Apparatus for clamping umbilical cord and the like. 2,635,238, Apr. 21.
Garland, Milton W., assignor to Frick Company, Waynesboro, Pa. Cylinder head. 2,626,102, Jan. 20.
Garlinghouse Brothers, assignee: *See*—
Wooldridge, Marin J., and Carver.
Garlock, Martin E., Kirksville, Mo. Wheel stabilizer means for hand guided garden plows. 2,645,990, July 21.
Garlock Packing Company, The, assignee: *See*—
Chambers, Albert M., Jr., and Jones.
Hills, Leander H.
Jones, Leo F., and Closs.
Smith, Edmund H.
Garmager, Curt H., Royal Oak, assignor to Dearborn Motors Corporation, Birmingham, Mich. Tractor hydraulic system. 2,657,534, Nov. 3.
Garman, Lawrence R., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Antisiphon device for washing machines. 2,631,448, Mar. 17.
Garman, Raymond L., Pleasantville, N. Y., and C. R. Haupt, San Diego, Calif., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio echo training system. 2,652,636, Sept. 22.
Garmers, Herman A., Minneapolis, Minn. Absorbent pad holder with retaining clamp structure. 2,625,739, Jan. 20.
Garner, Ernest P., Charlotte, N. C. Disappearing stairway. 2,631,771, Mar. 17.
Garner, Ewell M., Dallas, Tex. Underreaming attachment for tractors. 2,624,551, Jan. 6.
Garner, Herman H., assignee: *See*—
Russell, Kenneth F.
Garner, John S., Darlington, S. C. Fishhook. 2,640,291, June 2.
Garner, Lawrence M., and E. S. McConnohie, Covert, Mich. Unidirectional, rotary variable delivery fluid pump. 2,656,796, Oct. 27.
Garner, Lloyd P.: *See*—
Harbaugh, Willis E., and Garner.
Garner, Lloyd P., Lancaster, Pa., assignor to Radio Corporation of America. Electron discharge device. 2,636,142, Apr. 21.
Garner, Lloyd P., and W. N. Parker, Lancaster, Pa., assignors to Radio Corporation of America. High-frequency induction welding apparatus and process. 2,625,637, Jan. 13.
Garner, Philip J., Hooton, Wirral, and S. E. Miles, Mold, England, assignors to Shell Development Company, San Francisco, Calif. Production of olefinic hydrocarbons. 2,642,466, June 16.
Garner, Silver F., and K. T. Heap, Grants Pass, Oreg. Vehicle splash guard construction. 2,640,714, June 2.
Garnett, Donald W., Grand Ledge, assignor to T. F. Keegan, Lansing, Mich. Barn cleaner. 2,635,737, Apr. 21.
Garnich, Emil, Egg Harbor City, N. J. Apparatus for fracturing blocks of green frangible material. 2,627,640, Feb. 10.
Garnier, Michel R., and J. C. J. Poujade, assignors to Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Societe Anonyme, Paris, France. Hollow drive shaft construction for turbine driven compressors. 2,659,530, Nov. 17.
Garnier, Paul, Lyon, assignor to Societe Pinguely, Ville-Gozet, Paris, France. Mechanical shovel for narrow underground galleries. 2,646,901, July 28.
Garnier, Pierre M., Vertau, France. Refrigeration of fish. 2,628,483, Feb. 17.
Garofalo, Domenico, New York, N. Y. Shoe construction and making the same. 2,648,080, Aug. 11.
Garofalo, Joseph N., Plainfield, N. J. Automobile accessory. 2,641,359, June 9.
Garofano, Joseph, Hartsdale, N. Y. Ornamentation of articles made of plastics. 2,642,390, June 16.
Garoff, Kenton, Little Silver, and E. V. Edwards, Eatontown, N. J., assignors to the United States of America as represented by the Secretary of the Army. Transmit-receive tube and resonant circuit associated therewith. 2,632,867, Mar. 24.
Garon, Tobias, Detroit, Mich. Balance assembly gauge. 2,643,462, June 30.
Garr, Donald E.: *See*—
Edelfelt, Ivan H., and Garr.
Ogle, Hugh M., Garr, and Edwards.
Garrabrant, Burnard C.: *See*—
Fitzgerald, Antonia N., and Garrabrant.
Garrard Engineering & Manufacturing Company Limited, The, assignee: *See*—
Mortimer, Edmund W.
Mortimer, Edmund W., and Wilkins.
Garratt, Alan L., Kenilworth, assignor to The Coventry Motor Fittings Company Limited, Coventry, England. Radiator. 2,656,155, Oct. 20.
Garretson, Owen L.: *See*—
MacSporran, Charles, and Garretson.
Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Excess flow check valve with manual reset means. 2,656,850, Oct. 27.
Garrett, Burton R., Astoria, N. Y. Sorting machine. 2,661,090, Dec. 1.
Garrett, Charley A., Gainesville, Tex. Stingless beehive. 2,648,076, Aug. 11.
Garrett & Company, Inc., assignee: *See*—
Garrett, Robert W.
Garrett Corporation, The, assignee: *See*—
Andersen, Soren K., and Jensen.
Arthur, Robert A.
Burgess, Glenn A.
Chapman, James E., and Bevan.
Comeau, John E.
Jensen, Raymond W.
Lytle, Elvin D.
Scofield, Paul C., and Green.
Warstler, Walter H.
Wood, Homer J.
Garrett, Elmer E., Freeport, assignor to The Sperry Corporation, Long Island City, N. Y. Paper-cutting mechanism. 2,625,224, Jan. 13.
Garrett, Harold S., Normandy, assignor to Normandy Machine Co. Inc., St. Louis, Mo. Buoy indicator. 2,633,818, Apr. 7.
Garrett, Harry R., assignee: *See*—
Garrett, James F.
Garrett, Hayden J. and R. H., Houston, Tex. Cooking apparatus. 2,659,802, Nov. 17.
Garrett, Henry U., and C. M. Peters, Longview, assignors to Garrett Oil Tools, Inc., Houston, Tex. Well flowing device. 2,663,265, Dec. 22.
Garrett, James F., assignor of one-half to H. R. Garrett, Pampa, Tex. Waterbag carrier. 2,640,635, June 2.
Garrett, James W., assignor to Selas Corporation of America, Philadelphia, Pa. Quenching apparatus. 2,657,698, Nov. 3.
Garrett Oil Tools, Inc., assignee: *See*—
Garrett, Henry U., and Peters.
Peters, Clifford M.
Garrett, Richard A., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making textile fiber drafting elements. 2,636,878, Apr. 28.
Garrett, Richard H.: *See*—
Garrett, Hayden J. and R. H.
Garrett, Robert W., Scarsdale, assignor to Garrett & Company, Inc., Brooklyn, N. Y. Filling machine. 2,638,259, May 12.
Garrett, Thomas K.: *See*—
Stanfield, James R., and Garrett.
Weaving, John H., Dangerfield, and Garrett.
Garrick, Philip, Miami, Fla. Collapsible and expansible shelving. 2,657,810, Nov. 3.
Garrigus, Robert O., Sr., Sarasota, Fla., assignor of one-half to W. Garrigus. Pad attachment for bed couches. 2,638,608, May 19.
Garrigus, Wanda, assignee: *See*—
Garrigus, Robert O., Sr.
Garringtons Limited, assignee: *See*—
Sharman, John C.
Garrison, Clifford L., assignor to Oliver Instrument Company, Adrian, Mich. Grinding machine. 2,629,972, Mar. 3.
Garrison, Clifford L., assignor to Oliver Instrument Company, Adrian, Mich. Actuator for machine elements. 2,641,092, June 9.
Garrison, Clifford L., assignor to Oliver Instrument Company, Adrian, Mich. Universal joint construction. 2,641,115, June 9.
Garrison, Edgar W., Jr. *See*—
Murray, Royce L., McCure and Garrison.
Garrison, John W., Big Spring, Tex. Pole extension. 2,647,715, Aug. 4.
Garrison, John W., Arlington, and A. B. Lovett, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protection of molybdenum against oxidation. 2,650,903, Sept. 1.
Garrison, Kathryn, assignee: *See*—
Topmiller, Edwin B.
Garrison, Marion A., South Pasadena, assignor to Glen Haven Memorial Park, San Fernando, Calif. Collapsible form for concrete crypts. 2,628,403, Feb. 17.
Garrison, Van B., Caldwell, assignor to Air Reduction Company, Incorporated, Murray Hill, N. J. Universal gas cutting and welding apparatus. 2,645,475, July 14.
Garrison, Walling, Washington, D. C. Spirit level with reflecting means. 2,639,514, May 26.
Garriss, Thurman W., Burgaw, N. C. Sketching apparatus. 2,641,840, June 16.
Garsaud, Octave P., Metairie, La. Preparing fresh frozen seasoned hamburger. 2,650,167, Aug. 25.

Garske, Gene A.: *See*—
Travis, Paul N., and Garske.
Garst, Roger: *See*—
Vassel, Bruno, and Garst.
Garth, Robert M., Jacksonville, Fla., assignor to H. C. Biglin Company, Incorporated. Fluorescent tube lighting fixture. 2,631,226, Mar. 10.
Gartner, Stanley J.: *See*—
Gardner, Roland M., Gartner, and Barrett.
Gartner, Stanley J., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Machine for holding and sealing coaxially supported parts. 2,661,576, Dec. 8.
Gartner, Stanley J., Emporium, Pa., S. E. Swasey, Marblehead, and D. J. Dwinell, Reading, assignors to Sylvania Electric Products Inc., Salem, Mass. Lead wire feed mechanism for lamp stem fabricating apparatus. 2,655,954, Oct. 20.
Garutso, Stephen E., San Fernando, Calif., assignor, by mesne assignments, to Balanscope, Inc. Balanced focus lens system. 2,651,237, Sept. 8.
Garutso, Stephen E., San Fernando, Calif., assignor, by mesne assignments, to Balanscope, Inc. Deep focus photographic objective. 2,651,238, Sept. 8.
Garver, Ralph R.: *See*—
Gladfelter, Wiltie I., and Garver.
Garvey, John, assignee: *See*—
Cipolla, Joseph S.
Garvey, John H.: *See*—
Craig, Francis A., and Garvey.
Garvin, Charles W.: *See*—
Keller, Theodore W., and Garvin.
Gary, Charles V., Elmhurst, and R. S. Dickert, Chicago, assignors to Henry Valve Company, Incorporated, Melrose Park, Ill. Liquid indicator device. 2,655,124, Oct. 13.
Gary, Wright W., Jr., Pasadena, Calif. Alkaline battery. 2,642,469, June 16.
Garyait, Henry and D. D. Pettigrew, Milwaukee, Wis. Shoe counter production machine. 2,648,853, Aug. 18.
Gasbarro, Armando, Jersey City, N. J. Calendar clock. 2,654,988, Oct. 13.
Gascoigne, Tom, Cloverdale, British Columbia, Canada. Electronic egg grader. 2,636,925, Apr. 28.
Gase, Carl G., Macedonia, Ohio, assignor to The Weldon Tool Company. Clearance angle gauge. 2,648,138, Aug. 11.
Gash, Abram D., Jr.: *See*—
Bonnano, Joseph L., and Gash.
Gasink, Lewis T., Rose Township, Ramsey County, assignor to American Hoist & Derrick Co., St. Paul, Minn. Plural cable clamp. 2,641,810, June 16.
Gaskell, Walter L., Ypsilanti, assignor to King-Seeley Corporation, Ann Arbor, Mich. Jig saw. 2,646,089, July 21.
Gaskill, Harry L., Portland, Oreg. Automatic hammer. 2,624,047, Jan. 6.
Gaskill, Leo B., Pomona, Calif. Air circulator for orchards and field crops. 2,661,068, Dec. 1.
Gas Machinery Company, The, assignee: *See*—
Born, Paul L.
Stockey, Kenneth W.
Gaspar, Bela, assignee: *See*—
Dreyfuss, Paul D.
Gaspar, Bela, Beverly Hills, and P. D. Dreyfuss, Van Nuys, Calif., assignors, by mesne assignments, to said Gaspar. Azo dyes and their use in color photography. 2,644,753, July 7.
Gassen, Peter: *See*—
Erdmenger, Rudolf, and Gassen.
Gasser, Oswald V., and D. C. Evans, Appleton, Wis. Bob pin machine. 2,633,876, Apr. 7.
Gassner, Alfred A., assignor to American Car and Foundry Company, New York, N. Y. Axle construction. 2,641,499, June 9.
Gasson, Edward J., Banstead, A. F. Millidge, Coulsdon, and W. Webster, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of epoxides. 2,650,927, Sept. 1.
Gasstrom, Herman M., Pelham, and J. E. Gasstrom, Mount Vernon, assignors to Eagle Rule Mfg. Corp., New York, N. Y. Resilient folding rule hinge. 2,663,940, Dec. 29.
Gasstrom, John E.: *See*—
Gasstrom, Herman M., and J. E.
Gaston, Donald H., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Army. Trunk latch type fastener. 2,643,148, June 23.
Gaston, Jack E., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Removing water from fibrous masses. 2,633,062, Mar. 31.
Gates, Albert E., Jr.: *See*—
Herschede, Richard L., Gates, and Herschede.
Gates, Dora E.: *See*—
Wright, Mildred A., and Gates.
Gates, George H., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Shoe sole composition. 2,638,457, May 12.
Gates, Harold J.: *See*—
Baker, Ben B., and Gates.
Gates, Harold J., Lone Pine, Calif. Radiator cap. 2,630,240, Mar. 3.
Gates, Harris G., Denver, Colo. Concrete form tie. 2,656,581, Oct. 27.
Gates, Hessiar H., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Face runout gauge. 2,648,135, Aug. 11.
Gates Manufacturing Corporation, assignee: *See*—
Lyon, Omega K.
Gates, Paul E., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical crystal unit. 2,626,985, Jan. 27.
Gates, Richard L., assignor to Curtis Automotive Devices, Inc., Dayton, Ohio. Vent valve. 2,642,261, June 16.
Gates Rubber Company, The, assignee: *See*—
Burton, Frank L.
Nassimbene, Ernest.
Gates, Sam R., Bristol, Tenn. Follower type ice-cream dispensing machine. 2,631,761, Mar. 17.
Gates, William O., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Harmonic analyzer and synthesizer. 2,660,700, Nov. 24.
Gatti, Ubaldo, Leghorn, Italy. Rotary plow. 2,658,436. Nov. 10.
Gattuso, Henry A., Adams, Mass. Stenciling apparatus. 2,629,321, Feb. 24.
Gatzke, Charles, Des Plaines, Ill. Machine for splitting concrete blocks, building stones, and the like. 2,657,681, Nov. 3.
Gaubatz, Arthur W.: *See*—
Wheatley, John B., Gaubatz, and Anderson.
Gaubatz, Arthur W., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Crank arm adjustable in length and angular position. 2,627,188. Feb. 3.
Gaubatz, Arthur W., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Turbine wheel mounting. 2,652,271, Sept. 15.
Gaubert, Rene J., Oakland, Calif., assignor to Simplex Packaging Machinery, Inc. Bag sealing machine. 2,626,495, Jan. 27.
Gauchard, Fernand, Santeny, France. Aerosol generator. 2,625,156, Jan. 13.
Gaucher, Leon P.: *See*—
Eastman, Du Bois, and Gaucher.
Gaucher, Leon P., Mount Vernon, assignor to The Texas Company, New York, N. Y. Generation of heating gas from solid fuels. 2,657,124, Oct. 27.
Gaucher, Leon P., Tuckahoe, assignor to The Texas Company, New York, N. Y. Preparing synthesis gas at elevated pressures. 2,662,004, Dec. 8.
Gauci, Joseph, Jersey City, and A. J. Quinn, North Bergen, N. J., assignors to Comfort Spring Corporation, Baltimore, Md. Apparatus for crimping helical springs in innerspring construction. 2,625,636, Jan. 13.
Gaudin, Olivier, Neuilly-sur-Seine, France. Halogenation of benzenes containing sulfur in their allylic or propenylic side chains and products obtained thereby. 2,657,216, Oct. 27.
Gaudio, James C., Chicago, Ill., assignor to Zenith Radio Corporation. Resistance-capacitance type filter network. 2,634,330, Apr. 7.
Gaudreau, Alfred E., Springfield, Mass. Screw-operated vise construction. 2,643,563, June 30.
Gaudreau, Gedeon F.: *See*—
Begle, Howell E., and Gaudreau.
Gaudry, Roger, Sillery, Quebec, assignor to Ayerst, McKenna & Harrison, Limited, Saint Laurent, Quebec, Canada. Hydantoin derivative. 2,626,263, Jan. 20.
Gaulke, John E., Milwaukee, Wis. Illuminated stereoscope. 2,660,921, Dec. 1.
Gault, Joseph H., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Sliding seal for liquid oxygen or the like. 2,632,678. Mar. 24.
Gaum, Gilbert A., Louisville, Ky., assignor to Ladish Co., Cudahy, Wis. Reducing elbow. 2,654,619, Oct. 6.
Gaumer, John F.: *See*—
Poole, Foster M., Paslay, and Gaumer.
Gaumer, Rolland V., assignor to Industrial Devices of America, Inc., Zanesville, Ohio. Windshield wiper tensioning attachment. 2,660,748, Dec. 1.
Gaunce, Harold W.: *See*—
Chiswell, Edgar B., and Gaunce.
Gaunt, William E.: *See*—
Jurist, Alfred E., Burke, and Gaunt.
Gaunt, William E., Dunellen, E. Bartner, Lake Nelson, and H. A. Schaeffer, Elizabeth, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Intramuscularly-administrable prolonged-action penicillin products. 2,637,679, May 5.
Gause, Roy M., Aliquippa, Pa. Necktie tree. 2,635,247, Apr. 21.
Gauster, Wilhelm F., assignee: *See*—
Geyer, Franz.
Gaut, Robert L., Vallejo, Calif. Electrically indicating dart game board. 2,629,599, Feb. 24.
Gauthier, Alfred, G. m. b. H., assignee: *See*—
Rentschler, Karl.
Gauthier, Bernard: *See*—
Poulenc, Pierre, Gauthier, and Kirchhoffer.
Gauthier, Bernard, Antony, assignor to Chimie et Atomistique, Paris, France. Purification of 3,12-dihydroxy-7 keto-cholanic acid. 2,636,041, Apr. 21.
Gauthier, Earl H. G., assignor to Bixby Box Toe Co. Inc., Haverhill, Mass. Material for shoe stiffeners. 2,648,616, Aug. 11.

Gauthier, William M., Brimley, Mich. Angle control for fish pole holders. 2,645,439, July 14.

Gautier, C. T., assignee: *See*—
Shinn, Guy C.

Gauvreau, Alphonse P., Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Magnetically operated control mechanism. 2,632,820, Mar. 24.

Gauvreau, Alphonse P., Cleveland Heights, assignor to The Clark Controller Company, Cleveland, Ohio. Arcless controlling switch. 2,650,970, Sept. 1.

Gavagan, James A.: *See*—
Lyon, William B., and Gavagan.

Gaverth, Delbert R., Des Plaines, and A. Erickson, Chicago, Ill. Automobile cover. 2,646,097, July 21.

Gavigan, Harold F., Malverne, N. Y. Time controlled radio program selector. 2,650,272, Aug. 25.

Gavin, Fred, assignee: *See*—
Johnson, Oliver.

Gavlak, Raymond G.: *See*—
Barker, Charles L., and Gavlak.

Gavrilovich, Oscar, New York, N. Y. Collar holder. 2,639,436, May 26.

Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Apparatus for making banded pressure vessels. 2,629,354, Feb. 24.

Gaydasch, Alexander, Broadview, assignor to Universal Oil Products Company, Chicago, Ill. Condensate trap. 2,659,452, Nov. 17.

Gayer, John D., assignor to The Brown-Brockmeyer Company, Dayton, Ohio. Fan arrangement for electrical device. 2,624,855, Jan. 6.

Gayford, Michael L., and W. D. Cragg, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Negative feedback applied to magnetic recording. 2,649,506, Aug. 18.

Gaylard, Philip E., Los Angeles, Calif., J. L. Hawley, Akron, and J. H. Ries, Barberton, assignors to Wingfoot Corporation, Akron, Ohio. Composite tank fitting. 2,630,340, Mar. 3.

Gaylor, James E., Huntington Park, Calif. Adjustable head-supported binocular. 2,625,855, Jan. 20.

Gaylor, Peter J., Union, assignor of one-half to C. W. Ripple, Summit, N. J. Electrolytic regeneration of spent caustic. 2,654,706, Oct. 6.

Gaylor, Peter J., Union, N. J. Method and apparatus for providing a continuous supply of heat sterilized water. 2,662,508, Dec. 15.

Gaylord Container Corporation, assignee: *See*—
George, Walter C.
George, Walter C., and Bousquet.
Gibbons, Clyde F.
Meinhardt, John W.
Sapp, Junius E., Gillespie, and McKim.
Wasylyka, Paul.

Gaylord, John A., Pacific Palisades, assignor to J. M. Bryant, P. R. Simon, and A. E. Isenberg, Los Angeles County, Calif. Parachute harness release. 2,639,936, May 26.

Gaylord Products, Incorporated, assignee: *See*—
Thatcher, Lewis E.
Weaver, Ruth K., and Hahn.
Weaver, Ruth K., Wingblade, and Thatcher.

Gaylord, William M., Jr., Cleveland, Ohio, assignor to Union Carbide and Carbon Corporation. Tube arrangement for heat exchangers. 2,655,350, Oct. 13.

Gaynor, Edwin G., Fairfield, Conn. Switch. 2,649,511, Aug. 18.

Gaynor, Frank A., and C. G. Yates, Jr., Schenectady, N. Y., assignors to General Electric Company. Signal discriminator. 2,625,662, Jan. 13.

Gayring, Wallace F.: *See*—
Sando, Joseph B., and Gayring.

Gayton, O. F., assignee: *See*—
Jantsch, Emil.

Gazan, George A., Jr., Ferndale, Mich. Identifying tag and case therefor. 2,629,952, Mar. 3.

Gazda, Antoine, Providence, R. I. Snow track for motor vehicles. 2,644,539, July 7.

Gazda, Antoine, Providence, R. I. Self-winding auto clock. 2,657,526, Nov. 3.

Gazeley, William E., R. W. Meysner, and F. P. Graul, Schenectady, N. Y. Surgical splint. 2,661,000, Dec. 1.

Gazet, Marius, assignor to Etablissements G. Decombe, Lyon, France. Spool. 2,646,233, July 21.

Gear Grinding Machine Company, The, assignee: *See*—
Bradley, John J.
Brady, Samuel G.
Leslie, Deltan L., and Mustonen.

Gearhart, William M., and R. W. Pugh, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Stabilized cellulose ester composition. 2,635,967, Apr. 21.

Gearien, William F., Hamilton, Ill. Fish landing funnel. 2,641,078, June 9.

Geary, Edward S., Nutley, and G. W. Soderman, West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Fixture for skinning insulation from electrical conductors. 2,645,958, July 21.

Gebauer, Charles L., Shaker Heights, and T. Shimrock, Cleveland, Ohio, said Shimrock assignor to said Gebauer. Means for dispensing liquids. 2,639,052, May 19.

Gebauer, Florian J., Akron, Ohio. Rake attachment for tractors. 2,655,277, Oct. 13.

Gebele, Kurt, Munich, assignor to H. Deckel, Munich-Solln, and F. W. Deckel, Post Tutzing, Germany. Photographic shutter with flash synchronizer. 2,650,526, Sept. 1.

Gebele, Kurt, Munich, assignor to H. Deckel, Munich-Solln, and F. W. Deckel, Post Tutzing, Germany. Photographic shutter with adjustable flash synchronizing mechanism. 2,655,085, Oct. 13.

Geber, Ernst G. A.: *See*—
Ericsson, Karl E., and Geber.

Gebhart, Arthur I.: *See*—
Ross, John, and Gebhart.

Gebhart, Arthur I., Union, and J. E. Mitchell, East Rutherford, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Neutralization of sulphonated organic esters. 2,660,588, Nov. 24.

Gebr. Staubli & Co., assignee: *See*—
Staubli, Heinrich H., and Eichholzer.

Gebrüder Bühler, assignee: *See*—
Tanner, Fritz.
Zuber, Otto.

Gebrüder Junghans, A. G., assignee: *See*—
Braitsch, Otto, and Haas.

Gebrueder Boehringer G. m. b. h., assignee: *See*—
Irtenkauf, Josef, and Grupp.

Geckler, Ernest W., and J. F. Near, assignors to Russell-Miller Milling Company, Minneapolis, Minn. Compartment bag. 2,654,527, Oct. 6.

Ged, Agnes M., Brooklyn, N. Y. Turban cap. 2,653,326, Sept. 29.

Geddert, William J., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Tractor-trailer fifth wheel coupling mechanism. 2,644,693, July 7.

Geddes, John W., Boston, assignor to H. K. Porter, Inc., Somerville, Mass. Spreading tool for reshaping deformed automobile bodies. 2,643,562, June 30.

Geddes, Robert P., Jr.: *See*—
Nelson, Donald O., and Geddes.

Geddes, Walter H., Dayton, G. G. Karlson, Miamisburg, and M. Werensky, assignors to United Aircraft Products, Inc., Dayton, Ohio. Joining together the ends of thin-walled aluminum heat exchange tubes. 2,646,620, July 28.

Gedmin, John: *See*—
Wagner, Frederick A., Pierce, and Gedmin.

Gedris, Stanley J., Grand Rapids, Mich. Flask hoist for foundry molding machines. 2,627,335, Feb. 3.

Gedris, Stanley J., Grand Rapids, Mich. Reciprocating conveyer. 2,650,696, Sept. 1.

Gee, Bruce D.: *See*—
Mason, George W., and Gee.

Gee, William P., Plainfield, N. J., assignor to Texaco Development Corporation, New York, N. Y. Generation of synthesis gas. 2,630,378, Mar. 3.

Geel, John J., assignor to F. E. Shreve, Charlotte, N. C. Electric switch actuator. 2,643,307, June 23.

Geel, John J., assignor to F. E. Shreve, Charlotte, N. C. Electrically operable stapler actuator. 2,656,537, Oct. 27.

Geen, Cory P., assignor to Industrial Devices, Incorporated, Philadelphia, Pa. Spindle mount. 2,663,138, Dec. 22.

Geen, Cory P., assignor to Industrial Devices, Incorporated, Philadelphia, Pa. Hydraulic motor. 2,663,541, Dec. 22.

Geer, Charles W., Long Beach, Calif., assignor to Technicolor Motion Picture Corporation. Color television screen with correction for overplay. 2,629,838, Feb. 24.

Geeraert Corporation, The, assignee: *See*—
Geeraert, Leon J.

Geeraert, Leon J., Brooklyn, assignor to The Geeraert Corporation, New York, N. Y. High-pressure pump. 2,653,552, Sept. 29.

Geerin, Henrietta S., Cincinnati, Ohio. Dusting and polishing device. 2,655,680, Oct. 20.

Geerling, Martin J., Grand Rapids, Mich. Carcass protector. 2,631,520, Mar. 17.

Geesink, Arnolda C. M., heir: *See*—
Geesink, Myndert.

Geesink, Myndert, deceased, Weesp, Netherlands; M. G. Geesink-de Graaf, G. van den Burg, C. J. van den Burg-Geesink, A. G. Bokelmann-Geesink, R. F. H. Bokelmann, A. C. M. Geesink, and M. M. Geesink, sole heirs. Hydraulic jack. 2,632,426, Mar. 24.

Geesink, Myndert M., heir: *See*—
Geesink, Myndert.

Geesink-de Graaf, Marretje G., heir; *See*—
Geesink, Myndert.

Geeven, Gomarus M. A. C., and J. A. L. Yzer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Burner and heater device with plurality of whirl chambers. 2,662,370, Dec. 15.

Geffroy, Georges, assignor ot La Cellophane, Paris, France. Carton forming machine. 2,643,592, June 30.

Gehauf, Bernard, and J. Goldenson, Baltimore, Md. Analytical reagent and method. 2,637,631, May 5.

Geheb, William O., Chicago, Ill. Pot lid holder. 2,634,865, Apr. 14.

Gehm, Harry W., Metuchen, and L. T. Purcell, Pompton Lakes, assignors to Limestone Products Corporation of America, Newton, N. J. Neutralization of liquids. 2,642,393, June 16.

Gehman, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Transitor pulse memory circuits. 2,644,892, July 7.

Gehman, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Semiconductor pulse memory circuits. 2,644,893, July 7.

Gehman, Samuel D.: *See*—
Field, James E., and Gehman.

Gehman, Samuel D., assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for measuring stress relaxation of elastomeric materials. 2,637,203, May 5.

Gehrig, Lawrence: *See*—
Seeler, Alfred O., and Gehrig.

Gehrig, Walter, Flint, Mich. Angle of attack indicator. 2,637,294, May 5.

Gehrig, Walter, Flint, Mich. Angle of attack controlled safety device for aircraft. 2,637,295, May 5.

Gehring, Fred, San Francisco, Calif. Stamp applying machine. 2,642,200, June 16.

Geier, George: *See*—
Keuffel, Carl W., Hillman, Baker, and Geier.

Geier, George, Ridgefield, assignor to Keuffel & Esser Company, Hoboken, N. J. Theodolite. 2,640,267, June 2.

Geiger, Edward F.: *See*—
Johnson, Reynold B., and Geiger.

Geiger, George M., assignor to H-P-M Development Corporation, Mount Gilead, Ohio. Pilot operated valve. 2,661,017, Dec. 1.

Geiger, Gerald L., assignee: *See*—
Geiger, Ludwig A.

Geiger, Ludwig A., New York, N. Y., assignor to G. L. Geiger, Washington, D. C. Water shoe. 2,651,790, Sept. 15.

Geiger, Rex W., York, Nebr. Filter. 2,655,091, Oct. 13.

Geiger, Robert H.: *See*—
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.

Geiger, Willard L., Tonawanda, and G. A. Wescott, Jr., Kenmore, assignors to Tronics, Inc., Buffalo, N. Y. Electric control device. 2,642,485, June 16.

Geigy, J. R., A. G., assignee: *See*—
Bossard, Werner, and Bitterlin.
Gysin, Hans, and Hagenbach.
Haefliger, Franz.
Häfliger, Franz, and Girod.
Hausermann, Heinrich, and Zweidler.
Keller, Ernst.
Kuster, Werner.
Litvan, Franz, and Stoll.
Pugin, André.
Schetty, Guido.
Stoll, Willy, and Litvan.
Thommen, Willy.

Geller, Frederick C., assignor to The Monarch Marking Machine Company, Dayton, Ohio. Selectively operable cutoff mechanism for marking machines. 2,664,159, Dec. 29.

Gelling, Wayne W., Springfield, Ill. Row marker. 2,650,533, Sept. 1.

Gells, Robert H.: *See*—
Keyl, Alexander C., and Gells.

Gelpel, Harvey, Milwaukee, Wis. Can puncturing device. 2,631,365, Mar. 17.

Gelringer, Walter, Potts Point, near Sydney, New South Wales, Australia. Apparatus for affixing fabric to printing tables. 2,655,865, Oct. 20.

Gelser, Edward M., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Production of oils having drying properties. 2,624,717, Jan. 6.

Gelser, Edward M., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Luminescent resins from aryl-substituted alkyl halides and alkenyl ethers of a polyhydroxy organic compound. 2,654,732, Oct. 6.

Gelser, Nikolaus, and H. Kolling, Duisburg-Hamborn, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen Holten, Germany. Production of olefins by dechlorination of alkyl chlorides. 2,658,090, Nov. 3.

Gelser, William C., and T. J. Flamm, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Fuel tank and filter assembly. 2,633,245, Mar. 31.

Gelsler, William, Tenafly, N. J., assignor to Wilbro Corporation, New York, N. Y. Bottle tray. 2,663,486, Dec. 22.

Gelsse, John H., Madison, Wis. Airplane cross-wind undercarriage. 2,624,534, Jan. 6.

Gelsse, John H., Washington, D. C. Multiple wheel undercarriage for airplanes. 2,630,285, Mar. 3.

Gelssman, Theodore A., Los Angeles, Calif. Preparation of visnagin from chellol and new compositions of matter. 2,657,218, Oct. 27.

Gelssman, Theodore A., Los Angeles, Calif. Dehydrogenation of coumaranes. 2,659,734, Nov. 17.

Gelssmann, Gladys W., New York, N. Y. Slide fastener closure for apparel. 2,629,875, Mar. 3.

Gelssmann, Gladys W., New York, N. Y. Child's garment. 2,654,093, Oct. 6.

Gelst, Alex M., and R. R. Winders, Lincoln, Nebr. Electrical conduit structure. 2,636,520, Apr. 28.

Gelst, Carl A., Buffalo, N. Y. Bearing assembly. 2,646,321, July 21.

Gelst, Herbert F., Lakewood, Ohio. Pallet handling apparatus. 2,624,470, Jan. 6.

Gelstert, Edward C., Grand Rapids, Mich., assignor to Lear, Incorporated, Chicago, Ill. Safety locking device for nuts. 2,642,108, June 16.

Gelszler, Albert R., and L. R. Conklin, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Current control for travel head strip seam welders. 2,634,353, Apr. 7.

Gelb, Herbert, assignor to Joseph Gelb Company, New York, N. Y. Camera lens board and means for controlling the same. 2,625,851, Jan. 20.

Gelb, Joseph, Company, assignee: *See*—
Gelb, Herbert.

Gelber, Philip A.: *See*—
Hartley, Bowen, Jr., and Gelber.

Gelbmann, Richard J., St. Paul, Minn. Apparatus for starting internal-combustion engines from a distance. 2,632,120, Mar. 17.

Geldbaugh, Cecil W., Rocky River, Ohio. Emergency kit insert for automobile seats. 2,633,905, Apr. 7.

Geldhof, Peter E.: *See*—
Morrison, Harold E., Geldhof, and Ringer.

Geldhof, Peter E., and H. E. Morrison, Benton Harbor, Mich., assignors to Whirlpool Corporation. Gas-heated drier. 2,635,354, Apr. 21.

Geldhof, Peter E., and L. Ringer, assignors to Whirlpool Corporation, St. Joseph, Mich. Control and drive mechanism for automatic washing, rinsing, and drying machines. 2,625,248, Jan. 13.

Geldhof, Peter E., and L. Ringer, St. Joseph, Mich., assignors to Whirlpool Corporation. Fluid control means. 2,642,085, June 16.

Geldhof, Peter E., and L. Ringer, St. Joseph, Mich., assignors to Whirlpool Corporation. Centrifugal washing and drying machine. 2,656,042, Oct. 20.

Geldhof, Peter E., St. Joseph, Mich., assignor to Whirlpool Corporation. Automatic laundering machine and pump drive therefor. 2,660,043, Nov. 24.

Gelfand, George E.: *See*—
Cwynar, John W., and Gelfand.

Gelfand, Jack, Brooklyn, N. Y. Dental measuring instrument. 2,635,347, Apr. 21.

Gelinas, Maurice, L'Abord a Plouffe, Quebec, Canada. Disk type lawn mower. 2,658,320, Nov. 10.

Gell, William H.: *See*—
Cash, Wilfrid E., and Gell.

Geller, Isaac, Portland, Oreg. Control means for film reel storage cabinets. 2,639,957, May 26.

Geller, Roscoe G., Owego, N. Y. Platform supporting mechanism. 2,636,549, Apr. 28.

Gellert, Carl and F., San Francisco, Calif. Device for boring the lockholes in doors. 2,656,862, Oct. 27.

Gellert, Fred: *See*—
Gellert, Carl and F.

Gelles, William H., New York, N. Y., and J. P. Miller, Glen Rock, N. J., assignors to Autocraft Mfg. Corp., New York, N. Y. Steam cleaning apparatus. 2,624,618, Jan. 6.

Gelling Industries Limited, assignee: *See*—
Zubaty, Joseph.

Gellman, Abraham, New York, and S. Diesenhaus, Monsey, N. Y. Mechanism for design stitching. 2,635,568, Apr. 21.

Gelly, Louis: *See*—
Sawyer, Hilon W., and Gelly.

Gelpi, Maurice J.: *See*—
Vore, Milton P., and Gelpi.

Gelpi, Maurice J., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Molded insulator. 2,661,390, Dec. 1.

Gelzheiser, Francis L.: *See*—
Dorfman, Hiller D., and Gelzheiser.
Toth, Julius, and Gelzheiser.

Gelzheiser, Francis L., Pittsburgh, and J. A. Drohney, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,656,439, Oct. 20.

Gelzheiser, Francis L., Pittsburgh, and E. J. Walker, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,660,638, Nov. 24.

Gem Electric Manufacturing Company, Inc., The, assignee: *See*—
Fortino, Samuel S.

Gem Oil Tool Company, Inc., assignee: *See*—
Lewis, Russel W.

Gem Rubber Corporation, assignee: *See*—
Gottschalk, Emil.

Gemex Company, assignee: *See*—
Kuehn, Herman, and Sand.
Prestinari, Eugen F.
Prestinari, Eugen F., and Sand.
Sand, John F.

Gemme, Leon H., assignor to L. Farber Welting Company, Worcester, Mass. Forming stout welting. 2,636,196, Apr. 28.

Gemmer, George A., Richmond, Ind. Bait box. 2,639,538, May 26.

Gemmer Manufacturing Company, assignee: *See*—
Hammond, Charles F.

Gemmink, John, assignee: *See*—
Howard, Henry F.

Genco, Frank C., Buffalo, E. R. Edmunds, Tonawanda Township, Erie County, and N. Panzarella, Buffalo, N. Y.; said Edmunds and said Panzarella assignors to said Genco. Machine for gluing and sealing carton flaps. 2,640,305, June 2.

Genco, Frank C., Buffalo, N. Y. Shutoff valve for automatic weighing mechanisms. 2,640,630, June 2.

Gendron, Edward A., Jr.: *See*—
Snyder, Howard J., and Gendron.

Gendron, Freres, S. A., assignee: *See*—
Gerard, Paul, and Seranne.

Gendron, Joseph, Hollywood, Fla. Automatic sheet metal reforming hammer. 2,655,825, Oct. 20.

Genebach, Lowell B., assignor to United Steel & Wire Company, Battle Creek, Mich. Adjustable oven or broiler rack. 2,641,247, June 9.

General American Transportation Corporation, assignee: *See*—
Aller, Edmund R., Gleason, and Matolin.
Gutzeit, Gregoire, and Krieg.
Gutzeit, Gregoire, and Ramirez.
Hunter, Henry M., and Bryant.
Talmey, Paul.
Talmey, Paul, and Crehan.
Talmey, Paul, and Gleason.
Talmey, Paul, and Kuster.
Talmey, Paul, and Landon.
Thompson, Rea W., and Graham.

General Aniline & Film Corporation, assignee: *See*—
Aller, Edmund R.
Bates, James E.
Bestehorn, Heinrich H., and Morgan.
Bloom, Albert.
Bower, Bowman M., and Young.
Brouillard, Robert E.
Buc, Saul R.
Buc, Saul R., and Glickman.
Burnette, Llewellyn W., and Cross.
Busse, Warren F., and Davidson.
Chiddix, Max E., Hesse, and Seiferle.
Chiddix, Max E., and Williams.
Coles, Robert F.
Comer, Ann P., and Moore.
Copenhaver, John W.
Craig, Louis E.
Craig, Louis E., and Larrabee.
Craig, Louis E., and Ressa.
Cross, James M.
Duerr, Herman H.
Duerr, Herman H., Morreall, and Harsh.
Fahnoe, Frederick.
Freyermuth, Harlan B.
Friedman, Joseph S.
Genta, Guido R.
Glickman, Samuel A.
Gross, Siegfried T.
Grosser, Frederick.
Gunther, Robert C.
Harsh, Harold C.
Harsh, Harold C., and Friedman.
Herrick, Clifford E., Jr.
Hesse, Stanley H.
Kinney, Paul W.
Kleinschmidt, Roger F.
Kucher, Joseph A.
Lawsberg, Charles L.
Marnon, Donald E., and Snowden.
Marschall, Franz.
Mayhew, Raymond L., and Gross.
Maxey, William J., and Sanders.
Mueller, Fritz W. H.
Ney, William O., Jr.
Randall, David I.
Randall, David I., and Renfrew.
Randall, David I., and Solonen.
Renfrew, Edgar E., and Randall.
Sanders, Herbert L., and Mayhew.
Sargent, Donald E.
Sargent, Donald E., and Amon.
Schildknecht, Calvin E.
Schmidt-Nickels, Wilhelm.
Shekleton, Joseph F.
Siggia, Sidney.
Slifkin, Sam C.
Solonen, Nicholas W., and Randall.
Sprung, Joseph A.
Streck, Clemens.
Sulich, John, Jr., and Frederick.
Sullivan, Frederick W., Jr.
Sundberg, Robert L., Albus, and Cross.
Sweet, Monroe H.
Trump, Frederick O.
Tulagin, Vsevolod.
Verburg, Robert M.
Von Glahn, William H., and Bergstrom.
Wallace, William E., and Williams.
Welliver, Lawrence G., and Johnson.
Werner, Jesse.
Williams, Evan C.
Williams, William W., and Strobel.

General Aniline & Film Corporation, assignee: *See*—Con.
Williams, William W., and Wallace.
Willcox, Frederick P.
Wynn, Robert W., and Glickman.

General Binding Corporation, assignee: *See*—
Emmer, Charles E.

General Bronze Corporation, assignee: *See*—
Danielsen, August A., and Schleret.
Hess, Jacob.
Segal Arthur B.

General Building Materials, Inc., assignee: *See*—
Donahue, Joseph F.

General Building Units, Inc., assignee: *See*—
Roush, Alan D., and Stolz.
Roush, Alan D., Stolz, and Yeck.

General Cable Corporation, assignee: *See*—
Atkinson, Ralph W.
Potter, Frank M., and Hartman.
Smith, John H.

General Carpet Supply Co. Inc., assignee: *See*—
Jaasund, Torkel.

General Cement Mfg. Co., assignee: *See*—
Ellis, Richard G.

General Cigar Co., Inc., assignee: *See*—
Frankenburg, Walter G.

General Controls Co., assignee: *See*—
Buescher, Wilbert C.
Cairns, Fred E., Jr.
Engelhardt, Robert L.
Grayson, Richard D.
Matteson, Harold J.
Ray, William A.
Ray, William R.

General Dry Batteries, Inc., assignee: *See*—
MacFarland, Allison M.
Rock, Arthur F.

General Electric Company, assignee: *See*—
Abbott, Roy W.
Ahles, Robert D.
Ahnell, Karl J.
Alcher, John O.
Alexanderson, Ernst F. W.
Alexanderson, Ernst F. W., and Kuenning.
Alexanderson, Ernst F. W., and Nixdorff.
Allen, Robert K.
Allison, Donald K.
Arone, Nicholas F.
Atchison, Leonard W.
Atkins, Harry C., and Hermanson.
Atlee, Zed J., and Gosling.
Avery, Howard W.
Bahn, John J.
Bain, James, Jr.
Bakke, Hans A.
Baldwin, Morris J.
Ballard, Robert G., and Lundberg.
Barker, Leonard M.
Beatty, John W.
Bechard, Conrad E., and Levand.
Becker, Howard I.
Bedford, Alexander W., Jr., and Goetz.
Bedford, Burnice D.
Bedford, Burnice D., and Kellogg.
Benander, George B.
Benander, George B., and Lawson.
Berry, Theodore M.
Beurtheret, Charles A. E.
Bilodeau, Wilfred J.
Bischoff, Alfred F.
Bivens, Maurice E.
Blears, Jack, and Leck.
Blodgett, Katharine B.
Blondet, Maurice L.
Bloomberg, David J.
Bochan, John.
Boldebuck, Edith M., Elliott, and Roedel.
Bolton, Michael J.
Bondley, Ralph J.
Bonin, Pierre, and Randria.
Booser, Earl R., and Wilcock.
Borman, Philip K.
Bosworth, Phillips N.
Boyer, Oscar A.
Boyles, Robert L.
Bradley, Harl C.
Bramhall, George H., and Hunter.
Brancke, Carl A.
Brancke, Carl A., and Warrick.
Brickett, Sherman P.
Brown, Francis A.
Buckland, Bruce O., and Rice.
Buckland, Bruce O., and Warren.
Buess, Laverne E.
Burnett, Robert E., and Nordlander.
Butler, William L.
Cain, Basil S., and Erzer.
Canada, Alfred H.
Carbary, Richard J.
Casey, Robert T.
Clapp, Charles W.
Clark, Edward B.
Clark, Edward B., and Fagal.
Clarke, Maurice G., and Privett.
Ciricillo, Samuel F.

General Electric Company, assignee: *See*—Continued.
Cobine, James D.
Coggeshall, Almy D., and Caldwell.
Collins, Raymond N.
Cook, Frank W.
Coolidge, Arthur W., Jr.
Coughlin, Jack M.
Cross, Richard N.
Crowley, George C.
Cusano, Dominic A., and Studer.
Darlaston, Arthur J. H.
Dayton, Carl S.
De Puy, Seymour M.
Dee, Leo H.
Di Giorgio, Philip A.
Dills, Raymond L.
Dome, Robert B.
Dome, Robert B., and Foster.
Downey, Reginald L.
Downs, Jack E.
Dubberley, Charles A.
Dudley, Darle W.
Dunham, Robert W.
Dunlap, William C., Jr.
Dunnegan, Ted., Jr., and Ogle.
Duntley, Seibert Q.
Duval, Raymond.
Edelfelt, Ivan H., and Garr.
Edwards, Robert A.
Eggenberger, Markus A.
Ellenberger, Francis R.
Elliott, Marvel A.
Ellis, Calvin L., and Elsner.
English, Alexander L.
English, Chester A.
Erickson, Clifford E.
Ericson, Eric A.
Etchason, Paul T., and Jones.
Euler, George M.
Euler, George M., and Desautels.
Faus, Harold T.
Feiertag, Karl M.
Fenzl, Edward J.
Finch, Thomas E.
Finlayson, Frank E.
Fisher, Alec.
Fisher, Alec, and Newell.
Fisher, Benjamin J., Jr.
Fitzgerald, Albert J.
Flaws, John, Jr., and Dilts.
Flaws, John, Jr., and Meckstroth.
Fleischer, Frank H.
Floyd, Raymond H.
Foley, Robert T., and Omley.
Foulke, Ted E.
Francis, Victor J., and Nelson.
Frank, Edward J., and Phillips.
Frisch, Kurt C., and Shroff.
Frisch, Kurt C., and Wolf.
Froelich, Herman C.
Gabrielson, Samuel I.
Gamarekian, Sooren E.
Gardner, George F.
Gaynor, Frank A., and Yates.
Glick, Sylvan G.
Godfrey, Ronald G., and Krajcik.
Goetz, Ernest F.
Gray, Robert L., and Grimshaw.
Grimshaw, Charles S.
Grobel, Lloyd P.
Gruen, Wolf J.
Gruen, Wolf J., and Zaloudek.
Gruss, George A., and Sobieski.
Gurewitsch, Anatole M.
Gustafson, Ralph W.
Hager, Karl F., Lindenmayr, and Rosenthal.
Halfhill, Donald W.
Hall, Charles M.
Hall, Chester I.
Hall, Clarence B.
Hammell, Kemper M.
Hammell, Kemper M., and Erickson.
Hammerly, Herman J.
Hammerly, Herman J., and Bangert.
Hansen, Albert, Jr.
Hansen, Carl W., and Gustafson.
Harbison, George C.
Hardwick, Robert F.
Harker, David.
Harrison, Howard R.
Hatch, Philip J.
Hausz, Walter.
Haviland, Robert P.
Heath, Paul D.
Henderson, Wayne L.
Hermanson, Herman E.
Herskind, Carl C.
Hewlett, Clarence W., Jr.
Hickey, John S., Jr.
Hlehle, Michael E., and Morse.
Hinman, Donald D.
Hoffman, Herbert N.
Hogg, Francis M.
Hood, Charles N., II, and Oakes.
Homkes, Bartell J.
Horvay, Julius B.
Howard, Alan.
Howard, Alan, and Buckland.
Howard, Alan, Buckland, and Rice.
Howard, Alan, and Walker.
Howlett, Charles A.
Hotchkiss, Allen G.
Hughes, Philip G.
Hull, Thomas N., Jr.
Hunt, Gerald B.
Huntley, Edson D.
Hupp, Raymond L.
Hurd, Dallas T.
Hurford, Winslow L.
Hutton, Ernest W., and Locke.
Hyer, Donald R., and Lynch.
Illian, Douglas F., and Terp.
Ipsen, Peter G.
Janos, Alfred G.
Jellinek, Ernest.
Jewell, William R.
Johansson, August V.
Johnson, Robert B., Jr.
Jones, Benjamin W.
Kalikow, Irving.
Kalikow, Irving, Hildebrand, and Lukens.
Kalikow, Irving, Willey, and Poole.
Karash, Walter J., and Foote.
Kelffer, Raymond L., and Lemmers.
Keim, Donald B.
Kelling, Leroy U. C.
Kenty, Carl.
Ker, Montgomery.
Kern, Ruth.
Kidd, Robert K.
Kilbourne, Charles E.
Kinman, Thomas H.
Knight, Chester R.
Koller, Lewis R.
Kozak, Walter F.
Kramel, Leonard F.
Krause, Leo C.
Krause, Paul W.
Kubler, Ernest F.
Kuebler, Arthur G., and Hollopetre.
Kuebler, Robert A.
Kurtz, Lowell M.
Labastie, Albert H.
Lafferty, James M.
Lamb, Fredrick S.
Lamb, Fredrick S., and Hermanson.
Lang, Robert A., and Savasky.
Larkin, Thomas E.
Lakso, Lauri A.
Lee, Alfred R.
Lemmers, Eugene.
Leonard, Vincent W.
Lichtenfels, Ira W.
Lootens, William F.
Loritsch, John A., and Berdick.
Low, Frank D.
Lubahn, Jack D.
Lundberg, John E., and Swanson.
Lundberg, John E., and Wallace.
Lynch, Edward E., and Leete.
MacArthur, Elmer D.
Marks, Charles L.
Martin, George C., and Sears.
Martin, Robert W.
Martiniak, Leonard J., and Dusenberry.
Martt, Ernest C.
Mathes, Kenneth N., and Rasmussen.
Matthews, John W.
McArthur, Elmer D.
McCarthy, Robert B.
McCarty, Walter P.
McCoy, Robert L.
McCurry, Eugene T., Oppel, and Quinlan.
McElligott, John E., and Harrington.
McFarland, Donald L., and Moore.
McGee, Richard R.
McIntyre, Roger.
McKeag, Alfred H.
McKeag, Alfred H., and Ranby.
McKim, James A.
McLean, Stuart.
McMahan, Kenton D.
McNairy, Jacob W.
Meier, Donald R.
Melsenheimer, Robert L., and Smith.
Mendelsohn, Lewis I.
Merrill, Frank W.
Metcalf, George F.
Miller, Charles W.
Miller, Charles W., Saxon, and Crowley-Milling.
Miller, Homer H.
Miller, Nicholas.
Minneci, Salvatore, and De Noyers.
Moody, Charles W.
Morton, Cecil J., Riddle, and Woodfield.
Mulhern, Marvin J., and Rettig.
Murdock, Lawrence C.

General Electric Company, assignee: *See*—Continued.
Nason, Harold A.
Nelson, Richard B.
Nelson, Thomas F.
Netzel, Philip C.
Newberry, Sterling P., Jr.
Nisbet, James D.
Noel, Edward B.
Nonken, Gordon C.
Nordlander, Birger W., and Burnett.
Nordlander, Birger W., and Loritsch.
Ochwat, Joseph F.
Ogle, Hugh M.
Ogle, Hugh M., Garr, and Edwards.
Olsen, Arthur A., and Skeats.
Oppel, John A.
Oppel, John A., and Frank.
Ostrogmai, Allen G.
Page, Richard S.
Page, Robert G.
Palmer, John H.
Palnev, Konstantin K.
Parker, Benjamin H., and Uses.
Patterson, Franklin G.
Pattison, Wesley S., and Hawthorne.
Paul, William E.
Paulsen, Paul L.
Perl, Martin L., and Elliott.
Peters, Leo R.
Peters, Philip H., Jr.
Petzold, William B.
Phaneuf, Edgar A.
Piccone, Domenic J.
Pierce, Lowell J.
Pipkin, Marvin.
Pistey, John M.
Pollock, Herbert C.
Power, Ernest B., and Nelson.
Powers, James H.
Prendergast, James J.
Prener, Jerome S.
Prince, David C.
Prior, Roger A.
Prober, Maurice.
Quinn, Robert F.
Quirk, Douglas W.
Ramo, Simon.
Rasmussen, Thomas J.
Reck, Donald C.
Reisch, George J.
Revercomb, Henry E., and Morse.
Reynolds, Merl T.
Rich, Theodore A.
Rich, Theodore A., and Morlock.
Robinson, Ernest L., and Gardiner.
Robinson, John C.
Robinson, John H.
Rosenkrans, Frank A.
Ross, John F., and Sloyer.
Rowe, Raymond N.
Rowe, Raymond N., and Page.
Roxburgh, Albert, and Leigh.
Ruspino, James G.
St. Louis, James A., and Pomfrett.
Salomone, Rynold A., and Turton.
Sandin, Ray C.
Sauer, Robert O.
Savage, Robert H.
Scheldorf, Owen H.
Schettler, William R.
Schmidt, Lothar M.
Schneider, Harold N.
Schroeder, George W.
Schultz, Howard A.
Schulze, Herman W.
Schumacher, Frank A.
Schumacher, Frank A., and Tucker.
Schwartz, Donald L., and Perry.
Scoles, Graham J.
Scott, Benjamin B.
Scott, Benjamin B., Greene, and Valentine.
Sear, Arthur W.
Sebens, Carl R.
Secor, Herbert W.
Seely, Richard E.
Shanklin, George B.
Sharp, John C.
Shaw, Bernard.
Shea, Richard F.
Sheahan, Robert E.
Shell, Ernest F.
Shelton, Winston L.
Shepard, Billy R., and Crandell.
Sherwen, Joseph W.
Skeats, Wilfred F.
Skipper, Edward M., and Rose.
Skolnikoff, Eugene B.
Slonneger, John L.
Smith, Archie E.
Smith-Johannsen, Robert.
Smith-Johannsen, Robert, and Oliver.
Smith, Russell M.
Smith, Russell M., and Bellis.
Smith, Sidney R., Jr.
General Electric Company, assignee: *See*—Continued.
Smoluchowski, Roman.
Somerville, Gareth G.
Sowter, Anthony B.
Spiegelhalter, William G.
Spina, James A., and Andersen.
Spitzer, Charles F., and Reich.
Spooner, Laurence W.
Sprung, Murray M.
Stark, Julian H.
Starkey, Neal E.
Stephenson, Hugh M.
Stephenson, Hugh M., and Feiertag.
Stimson, Allen G., Brynes, Jennings, and Taylor.
Stocking, Harold E.
Stoddard, Edgar S.
Stone, Melvin L.
Strief, Eugene E.
Strong, Herbert M., and Bundy.
Studders, Robert J.
Suesserott, Charles F.
Suhr, Fred W., and Hellar.
Suits, Chauncey G.
Sullivan, Earle C.
Summerhayes, Harry R., Jr., and Cook.
Sway, Henry C.
Sweet, Joseph S.
Swerdlow, Nathan, and Abel.
Swerdlow, Nathan, and Chamberlain.
Taylor, Harry B., and Watts.
Taylor, Robert E.
Thayer, Richard N.
Thomas, Henry P.
Thomas, William A.
Titus, Charles H.
Torrisi, Alfred F., and Grahame.
Torsch, Charles E.
Treanor, Edward D.
Tucker, John B.
Uhlrig, Harry W.
Vallorani, Ben J.
Vallorani, Ben J., and McConnell.
Van Nest, Francis H.
Vargo, Paul, and Foster.
Vaughan, Clayton T.
Veitch, Albert H.
Von Hoorn, Fred G.
Von Hoorn, Fred G., and Bennett.
Vonnegut, Bernard.
Walker, Chapman J.
Walker, Forrest A.
Walton, Warren L.
Ward, William W.
Warner, Wilbur W.
Warren, Robert E.
Warrick, Thurlow J.
Warrick, Thurlow J., and Brancke.
Watson, Wallace B., and Wilson.
Weber, Gay W.
Weeks, Walter R.
Welch, Stanley B., and Olthuis.
Wellman, Albert.
Wells, Bruce A.
Welsh, Charles E., and Holdstock.
Wendt, Harry C.
Westendorp, Willem F.
White, William C.
White, William C., and Lord.
Wickman, George E., and Young.
Willcox, Thomas N., Gale, and Stadthaus.
Williams, Charles E.
Williams, Ferd E.
Williams, Herbert D.
Willits, Glenn D.
Wilson, Volney C.
Witkowski, Raymond J.
Woll, Edward.
Woodruff, Thomas E.
Woodson, Thomas T.
Woolard, Simon B.
Worst, Joseph C.
Wotring, Gaylord H.
Wright, Donald A.
Wyman, Howard A., Jr.
Young, Allan M.
Young, Charles M.
Young, James F.
Zabel, William P.
Zemany, Paul D.
Ziffer, Garret F.
Zikmund, Edward J., and Hatchett.
General Electric Company, Limited, The, assignee: *See*—
Bayliss, Alan J.
Britten, Leslie F., Jenkins, and Moss.
Espley, Dennis C.
Farren, Leslie L., Head, and Levy.
James, Emrys G., and Lindell.
Lamont, Hugh R. L., and Robertshaw.
Levy, Maurice M.
Levy, Maurice M., and Espley.
Pickering, Ian J.
Robertshaw, Robert G.
Robson, Robert.
Rudge, Thomas R.
Watkins, Thomas B.

General Engineering and Research Corporation, assignee: *See*—
Larrecq, Anthony J.
General Fireproofing Company, The, assignee: *See*—
Swimmer, Albert T.
Wilmer, Rudolph H.
General Filters, Inc., assignee: *See*—
Redner, Arthur D.
General Fireproofing Company, The, assignee: *See*—
Straubel, Clarence W.
General Fluid Machinery Company, assignee: *See*—
Johnston, Douglas.
General Foods Corporation, assignee: *See*—
Alderman, Mattison W., Massmann, and Michael.
Alison, Alexander S., and Atherton.
Ferguson, Llewellyn R.
Kerlin, John W.
Madsen, Herbert S.
Rusoff, Irving I., and Common.
General Fuse Company, assignee: *See*—
Jurgensen, August P.
General Industries Company, The, assignee: *See*—
Bender, Joseph, Jr., Eberly, and Tipple.
Hartman, Herbert L.
Slough, Frank M.
General Instrument Corporation, assignee: *See*—
Allen, Earl H.
Fisher, Berne N.
Gostyn, Ernest.
Haggerty, Ridgeway T.
General Machinery Co., assignee: *See*—
Barrett, Grant F.
General Manufacturing and Distributing Company, assignee: *See*—
Adams, Fred G.
General Mills, Inc., assignee: *See*—
Aclony, David.
Baldwin, William S., and Floyd.
Brastad, William A.
Caylor, George W.
Childress, Randall J.
Christiansen, James B.
Christianson, George, and Ramstad.
Coffey, Edward J., and Fischer.
Dryg, Donald W.
Dungan, Raymond M., and Hakomaki.
Evans, James W.
Fischer, Paul E., and Sturdevant.
Floyd, Don E.
Graham, Maurice H.
Hakomaki, Raymond I., and James.
Huch, William F.
Johnson, Kermit F., La Mere, and Winzen.
La Mere, Frank J., Johnson, and Winzen.
Moe, Owen A.
Moe, Owen A., and Warner.
Polivka, John N.
Polivka, John N., and Graham.
Polivka, John N., and Zastrow.
Schaetzel, Donald E., and Childress.
Slightam, Paul E.
Terry, David E., and Warner.
Van Guilder, Walter.
Westby, Henry A.
Wheeler, Donald H.
General Motors Corporation, assignee: *See*—
Abresch, Carel F.
Alexander, Donald F.
Altson, Ralph.
Anthell, Robert E.
Arthur, James L.
Babitch, Abraham M.
Bacon, Elbridge F.
Baker, Marshall W.
Bales, Max G.
Baugh, Everett L., and Wallace.
Bennett, Bailey, and McFadden.
Berninger, Kenneth L.
Berninger, Kenneth L., and Haines.
Berry, William De L.
Berry, William D., Vigars, and Adamek.
Blanco, Peter J.
Bierlein, Carl A.
Blomberg, Martin P.
Bock, Carl J.
Bondurant, Kenneth E.
Boretti, Napoleon P.
Boyer, Floyd J.
Brams, Stewart L.
Brandes, Roy H., and Treseder.
Bratton, David H., and Wernig.
Braun, Adolph F.
Brewer, Relfe N.
Brill, William E.
Brittain, Richard J., Jr.
Brown, Bernard A., and Erickson.
Brown, William E.
Brown, William E., Redick, and McWilliams.
Brundrett, George A.
Burge, James S., Foust, Shaw, Rider, and McKee.
Burge, James S., Goodwin, and McKee.
Burge, James S., McKee, and Goodwin.
Burrell, Frank C.
General Motors Corporation, assignee: *See*—Continued.
Burton, Robert B.
Candor, Robert R.
Carlson, Eric S.
Carson, Howard, and Muzzey.
Carson, William D., and Hindall.
Cassidy, Robert J.
Chapman, Frederick W.
Chayne, Charles A.
Chilton, William D.
Church, Walter L.
Clark, Harry F.
Clark, Kendall.
Clingman, Paul E.
Cobb, Leland D.
Contant, Peter R., and Sullivan.
Critchfield, Robert M., and Lawson.
Dadd, Morris V., and Vermaire.
Davis, Raymond C.
Davis, Raymond C., and Marvin.
Dennis, William L.
Dermond, Lawrence C.
Dermond, Lawrence C., and Kehoe.
Diamond, Milton J.
Doerfner, William H., and Helveston.
Dolza, John, Burrell, Sherrick, and Schilling.
Doss, Raymond O.
Doughty, Robert T.
Dyer, John W.
Dyer, John W., and Wilkins.
Eichner, Ferdinand R.
Elliott, Harold V.
Emerson, John R.
Erickson, Anton F.
Erwin, Wesley S.
Falge, Robert N.
Falge, Robert N., and Clayton.
Fehr, John R.
Ferris, Donald K.
Fletcher, William A., and Clevenger.
Fitz Harris, Leo J.
Foust, Floyd J., Childress, Crim, and Thompson.
Frank, Mark H.
Frei, Arthur J.
Frei, Arthur J., Sr.
Frist, Marley O.
Fry, Millard E.
Funkhouser, Mearick.
Funkhouser, Mearick, and Brundrett.
Funkhouser, Mearick, and Long.
Gandelot, Howard K.
Gaubatz, Arthur W.
Geyer, Howard M.
Geyer, Howard M., and Bullock.
Geyer, Howard M., and Ferris.
Goodwin, Richard M.
Guernsey, Robert W., and Ulrey.
Guyton, James H.
Hahn, Rea I., and Frank.
Haines, John F., and Wright.
Harada, Henry H.
Harris, Edward P., and Sampson.
Harrison, Walter D.
Harrold, Marshall C.
Hartzell, Herman L.
Hegeman, Franklyn P.
Helvern, James O.
Henderson, Harry P.
Herndon, Walter B., Beck, and Tuschak.
Hill, Robert H., and Guyton.
Hindall, Alva L., and Carson.
Hobart, John P.
Hockert, Chester E.
Hole, Mary M.
Hooper, Clarence A.
Hope, Lawrence F.
Houck, Hooper J., and Morgan.
Hutchins, Everett C.
Hutchinson, Roland V., and Thorne.
Jackman, Charles W.
Jacobs, James W.
Jagen, Theodore A.
Jewell, Gordon R.
Jones, James E.
Jorgensen, Clarence H., and Nickel.
Jorgensen, Clarence H., Nickel, Dietrich, and Worden.
Kaweckl, Henry S., and Glowzinski.
Kearful, Godfrey G.
Kelley, Oliver K.
Kelley, Oliver K., and Wolfram.
Kendall, Thomas L.
Kendall, Thomas L., Bodenhafer, and Plummer.
Kendall, Thomas L., and Gentry.
Kenlock, Albert A. H.
Krause, Herbert A.
Kruszona, Raymond F.
Kuhn, Albert J.
Lamm, Lewis J.
Lautzenhiser, Argyle G.
Lawson, John W.
Lawson, John W., and Brown.
Leach, Clayton B.
Leet, Jack M.

General Motors Corporation, assignee: *See*—Continued.
Lentz, Marshall E.
Lentz, Marshall E., Anderson, and Driffill.
Leslie, James D., and Schamel.
Lignian, Jean A.
Liliquist, Torsten O.
Lincoln, Clovis W., and Schroeder.
Lincoln, Clovis W., Kearful, and Galonska.
Lincoln, Clovis W., Zeigler, and Malone.
Lincoln, Clovis W., Zeigler, Verbrugge, and Sloan.
Long, George R.
Lovell, Wheeler G., and Phillips.
Macan, Albert L.
Mackie, Harry A., and Giullermety.
MacPherson, Earle S.
Manning, William H., and Hulsing.
Martin, Edward J.
Martin, Flyodd A., and Jeffery.
Martin, Thomas B.
Marvin, John T.
Mathews, Verner P.
McClelland, Clarence P.
McCormick, Francis H., and Candor.
McCormick, Francis H., and Clark.
McDougal, Taine G.
McDougal, Taine G., Pierce, and Bychinsky.
McDuffie, Archie D., and Smith.
Mears, William T.
Michel, Clarence A., Mead, Diedring, and Barcus.
Moore, Richard E.
Moore, Richard E., Lape, and Flaugh.
Moore, Richard E., and Mack.
Muchy, Louis.
Needham, Robert L.
Nellis, James H.
Nemmer, Leo B., and O'Brien.
Nichols, Charles A., Clevenger, Zion, and Fletcher.
Nichols, Charles A., Poole, Mahoney, and McShurley.
Nichols, Charles A., and Riggs.
Nichols, Charles A., Todd, Fletcher, and Keller.
Oakley, Wilbur J.
Olson, Elmer.
Olson, Theodore A.
Pearce, George C.
Pershing, William H., McClain, and Fulwider.
Picon, Josue R.
Prance, Stanley R.
Prance, Stanley R., and Reindl.
Purchas, William J., Jr.
Purchas, William J., Jr., and Orent.
Purchas, William J., Jr., and Truxell.
Quear, Eugene C., Shaw, and Edwards.
Rady, William J.
Rasmussen, Carlton A., and Doughty.
Riedel, Walter W., and Marvin.
Rossman, Edwin F.
Sampson, Frederick W.
Saunders, Orson V.
Schamel, Clyde H., and Mackie.
Schjolin, Hans O.
Schmidt, Joseph F.
Schneider, Paul L.
Schneider, Paul L., and Cromwell.
Schneider, Paul L., Cromwell, and Taylor.
Schoelles, Harold J.
Schutt, Arthur J.
Schwarz, Bertram A.
Schweller, Sylvester M.
Scofield, Robert O., and Schryver.
Shewmon, Ralph K.
Short, Brooks H.
Short, Brooks H., and Dyer.
Short, Brooks H., and Lautzenhiser.
Smith, Glen A.
Smith, Robert F.
Soroka, Theodore J.
Spice, Stuart M., Williams, and Moehring.
Sprung, Edwin G.
Squibb, George R., and Urquhart.
Stoltman, Donald.
Storer, John E., Jr., and Livezey.
Sullivan, Raymond H., and Contant.
Swarthout, Stanley H.
Todd, Max E.
Underwood, Arthur F.
Van Degrift, Thomas C.
Van Degrift, Thomas C., Gadd, and Matsen.
Vosler, Edward J.
Wang, Harry O., and Prance.
Walker, Nelson.
Wallace, De Loss D., and Erickson.
Walther, Howard T.
Weller, Edward F., Jr., and Doyen.
Wernig, James H.
Westcott, Frank.
Wheatley, John B., Gaubatz, and Anderson.
Wirtz, Francis E., and Klover.
Wood, John G., and Jackson.
Wyczalek, Floyd A.
Zmuda, Andrew W.
Zmuda, Andrew W., and Mitzelfeld.
General Nailing Machine Corporation, assignee: *See*—
Paxton, Gerald C.
General Package Corporation, assignee: *See*—
Burger, Martin.
Cox, John W.
Fahey, Edward W., and Wolf.
Fahey, Richard J.
Fahey, Richard J., and Burger.
Schilling, Paul K.
General Patent Corporation, assignee: *See*—
Durant, Lyndon A.
Durant, Lyndon A., and Wolverton.
Summers, William J.
General Patent Production Company, assignee: *See*—
Raphael, Walter.
General Porcelain Enameling and Manufacturing Company, assignee: *See*—
Fox, Richard E.
General Precision Laboratory Incorporated, assignee: *See*—
Benjamin, Judson E.
Borberg, Willy.
Carlson, Folke K.
Deri, Hubert B.
Gamertsfelder, George R.
Gillette, Frank N.
Goldbach, Frank P.
Gray, John W.
Greenwood, Ivan A., Jr.
Greenwood, Ivan A., Jr., and Gordon.
Greenwood, Ivan A., Jr., Ziebolz, and Chaplin.
Hayek, Arthur F.
Karpeles, Mark A.
Lombardi, Eugene H.
Luhrs, Charles H., and Tull.
MacLea, Robert K., Jr., Greenwood, and Ziebolz.
Mayer, Allan.
Raitiere, Louis P.
Zaleski, John F.
General Radiological Limited, assignee: *See*—
Quittner, Victor.
General Railway Signal Company, assignee: *See*—
Brown, Ned C. L.
Coley, Nelson B.
Field, Oscar S.
Hardwick, Barclay R.
Hewes, Ralph W., and Phelps.
Howard, James Y.
Hughson, J. Donald.
Johanek, George J., and Judge.
Judge, Thomas J.
Kendall, Hugh C.
Lindner, John C.
O'Brien, John C.
Preston, Neil D.
Reichard, Wade H.
Scheg, Marcian A.
Swanton, Charles L.
Willing, Joseph E., and Ferm.
Zaffarano, Frank P.
General Register Corporation, assignee: *See*—
Helsel, Reuben H.
Webb, Christopher F.
General Refractories Company, assignee: *See*—
Bartu, Franz, and Steyrleitner.
Heuer, Russell P.
Heuer, Russell P., and Fay.
Lanser, Paul, and Skalla.
General Sales Company of Cadillac, assignee: *See*—
Greeley, Leo O.
General Scientific Corporation, assignee: *See*—
Lowenthal, Herman.
General Sheet Metal Works, assignee: *See*—
Brackett, Donald L.
General Spring Corporation, assignee: *See*—
Wood, Joseph K.
General Steel Castings Corporation, assignee: *See*—
Gilchrist, Thomas R.
Ivatt, Henry G.
Meyer, William H.
Schieler, Albert M., and Jackson.
Sheehan, William M.
Sheehan, William M., and Mitchell.
Travilla, James C.
Travilla, James C., Jr.
Travilla, James C., Jr., and Sheehan.
Wintemberg, Adelbert C., and Jones.
General Teleradio, Inc., assignee: *See*—
Lubcke, Harry R.
General Time Corporation, assignee: *See*—
Amend, Adolph, Jr.
Berninger, Ernest L., and Richards.
Black, William A.
Schlenker, Max E.
General Tire and Rubber Company, The, assignee: *See*—
Beck, Howard B.
Beck, Howard G.
Chandler, William R., and Koerner.
Dodge, Howard M.
Dodge, Howard M., and Neff.
Fugassi, James P., and Cowan.
Greene, Charles E.
Iredell, Robert, Jr.
Kelly, John H., Jr.
Kraft, Herman T.
McKinney, Carlos J.

General Tire and Rubber Company, The, assignee: *See*—Continued.
Neher, Eldon P.
O'Neil, William F.
Orr, Clifford B.
Pfeiffer, Paul O.
Riel, Robert R., and Claussen.
Schaffel, Gerson S., and Swart.
Swart, Gilbert H.
Te Grotenhuis, Theodore A., and Swart.
Thiry, Leon F.
General Water Heater Corporation, assignee: *See*—
Kay, Oscar J., and Lingensjo.
Genest, Homer A. and W. H., Danbury, Conn., assignors to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking hat bats. 2,632,937, Mar. 31.
Genest, Warner H.: *See*—
Genest, Homer A. and W. H.
Genich, William H.: *See*—
Covert, Claude J., and Genich.
Génin, Henri, and H. Debray, Laval, France. Trigger fire extinguishing apparatus. 2,653,667, Sept. 29.
Gennari, Jervis J.: *See*—
Smith, Lowell L., and Gennari.
Génot, Charles H.: *See*—
Chabrier, Pierre, Giudicelli, and Génot.
Genovese, Anthony L.: *See*—
Samler, Lee F., and Genovese.
Genovese, Edgar N., Baltimore, Md. Key case. 2,633,734, Apr. 7.
Gensel, Herbert, Leverkusen-Wiesdorf, and E. Windemuth, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany. Coating of fabrics. 2,657,151, Oct. 27.
Gensky, Henry E., and S. D. Schroeder, Jefferson City, Mo. Garment hanger. 2,656,077, Oct. 20.
Gent, Edgar W., Morristown, N. J. Cutting instrument. 2,645,849, July 21.
Genta, Guido R., Hillside, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of pure bromo-α-amino anthraquinones. 2,650,928, Sept. 1.
Genter, Albert H., Mount Lebanon, Pa. Trolley wire feeder tap. 2,634,349, Apr. 7.
Genter, Albert H., Mount Lebanon, Pa. Automatic safety brake. 2,651,387, Sept. 8.
Genter, Albert H., Mount Lebanon, Pa. Car stop. 2,659,316, Nov. 17.
Gentillo, Achille J., Jackson Heights, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Hemmer. 2,647,479, Aug. 4.
Gentle, Alexander H., and T. Jackson, Spondon, near Derby, England, assignors to British Celanese Limited. Treating fibrous materials to improve their bonds with rubber. 2,653,886, Sept. 29.
Gentle, Alexander H., and T. Jackson, Spondon, near Derby, England, assignors to British Celanese Limited. Treating fibrous materials to improve their bonds with rubber and the products thereof. 2,653,891, Sept. 29.
Gentle, Alexander H., and T. Jackson, Spondon, near Derby, England, assignors to British Celanese Limited. Treating fibrous materials to improve their bonds with vinyl chloride polymers and the products thereof. 2,653,892, Sept. 29.
Gentry, Allen E., Oak Park, and R. R. Theiler, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Torque testing device. 2,635,453, Apr. 21.
Gentry, Carlyle W., Bluefield, W. Va. Making sandwiches. 2,642,822, June 23.
Gentry, Donald P.: *See*—
Kendall, Thomas L., and Gentry.
Gentry, Henry G., Dyersburg, Tenn. Water purifier. 2,624,705, Jan. 6.
Gentry, Rex E., Chesterfield, Ind. Ceramic petal cutting means. 2,655,709, Oct. 20.
Geoffrion, Arthur J., Manhasset, assignor to Lapwell Watch Case Corp., Greenvale, N. Y. Watchcase. 2,641,901, June 16.
Geohegan, William A., Brooklyn, N. Y., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Beam-intensity controlling circuit for cathode-ray oscillograph. 2,648,027, Aug. 4.
Geohegan, William A., Larchmont, N. Y. Gas tube ionizer and process. 2,630,550, Mar. 3.
Geolograph Company, Inc., The, assignee: *See*—
Ramsey, King.
Geophysical Research Corporation, assignee: *See*—
Wolf, Alfred.
George, Anthony: *See*—
Peters, Tenal L., George, and Stidham.
George, Carl, Bayside, N. Y. Globe map which can be inflated or deflated. 2,635,358, Apr. 21.
George, Ethel M., executrix: *See*—
Hanlman, Clyde A., and Hilferty.
George, Fred, Berkeley, Calif, assignor of one-half to Norbest Turkey Growers Association, Salt Lake City, Utah. Turkey product and preparing same. 2,640,779, June 2.
George, Fred F., Jr., North Kansas City, Mo. Flange bending toolhead. 2,637,292, May 5.
George, Gus, Rego Park, N. Y. Electric circuit distribution device. 2,625,591, Jan. 13.
George, Harry F., Chicago, Ill. Adjustable eye shield for protection against light glare. 2,638,377, May 12.
George, Henri, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Radiator. 2,647,197, July 28.
George, James T., Los Angeles, Calif. Pharmaceutical preparation for peptic ulcers. 2,638,433, May 12.
George, Melvin F., Jr., Los Angeles, and P. M. Reedy, Jr., assignors to Lockheed Aircraft Corporation, Burbank, Calif. Hydraulic fluid of polyhydric alcohol and trialkyl phosphate. 2,659,699, Nov. 17.
George, Oscar C., Bronson, Mich. Handle for fishing rods. 2,646,640, July 28.
George, Oscar C., Bronson, Mich. Fishing rod handle. 2,646,641, July 28.
George, Philip D.: *See*—
Di Giorgio, Philip A.
George, Ramon H., Baltimore, Md. Restraining device for fowl. 2,640,224, June 2.
George, Stephen A., assignor to Stephen A. George Company, Johnstown, Pa. Electrical switch box. 2,636,955, Apr. 28.
George, Stephen A., Company, assignee: *See*—
George, Stephen A.
George, Walter C.: *See*—
Fallert, Clifford D., and George.
George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Folded-blank carton. 2,652,970, Sept. 22.
George, Walter C., St. Louis, Mo., and J. A. Bousquet, Houston, Tex., assignors to Gaylord Container Corporation, St. Louis, Mo. Container. 2,634,038, Apr. 7.
George, William L.: *See*—
Caldwell, Carlyle G., White, George, and Eberl.
Georgeff, Vasil: *See*—
Danly, George L., and Georgeff.
Georgeff, Vasil, La Grange Park, assignor to Danly Machine Specialties, Inc., Chicago, Ill. High-speed double-action press. 2,644,417, July 7.
Georgii, Hans P., Stockholm, and N. O. H. Engström, Bromma, Stockholm, assignors to Aktiebolaget Skanska Cementgjuteriet, Stockholm, Sweden. Apparatus for making concrete elements. 2,659,123, Nov. 17.
Geovision Incorporated, assignee: *See*—
Rieber, Frank.
Geppert, Clark H., assignee: *See*—
Paske, Wallace H.
Geraci, Peter P., San Jose, Calif. Free coil line winder. 2,644,648, July 7.
Gerald, Curtis F.: *See*—
Haensel, Vladimir, and Gerald.
Geraldson, Christina, executrix: *See*—
Geraldson, Gerald, and Markel.
Geraldson, Gerald, deceased, Rockford, Ill., by C. Geraldson, executrix, and J. M. Markel, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis. Tractor mounted lifter and loader. 2,632,575, Mar. 24.
Gerard, George A., Hillside, N. J., assignor to Cotton Wood Products, Inc., Baltimore, Md. Nonscratching packing pad. 2,657,158, Oct. 27.
Gerard, George A., Roselle, N. J. Apparatus for preparing and dispensing adhesive coated tape. 2,631,562, Mar. 17.
Gerard, George A., Roselle, N. J., assignor to Cottonwood Products, Incorporated, Baltimore, Md. Making shock absorbing and insulation material. 2,652,878, Sept. 22.
Gérard, Paul, Paris, and Henri Séranne, assignors to Gendron Freres, S. A., Villeurbanne, France. Fluid bearing. 2,660,484, Nov. 24.
Gerard, Paul, Paris, and H. Seranne, assignors to Gendron Freres, S. A., Villeurbanne, France. System for controlling the position of a shaft in its bearings. 2,663,977, Dec. 29.
Gerard, Paul H.: *See*—
MacInnes, John N., and Gerard.
Gérard, Paul L., Paris, France. Fluid pressure bearing. 2,634,176, Apr. 7.
Gérard, Paul L. J., Paris, France. Fluid support. 2,660,485, Nov. 24.
Gerber, Alfred, assignor to Contraves A. G., Zurich, Switzerland. Observing apparatus, particularly for observing objects moving in space. 2,651,560, Sept. 8.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner nozzle height adjustment. 2,632,915, Mar. 31.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Support for electric irons. 2,632,969, Mar. 31.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner with cord reel. 2,661,074, Dec. 1.
Gerber, Dale C., and J. E. Vance, assignors to The Hoover Company, North Canton, Ohio. Electric flatiron. 2,629,949, Mar. 3.
Gerber, Dale C., North Canton, and J. E. Vance, Canton, assignors to The Hoover Company, North Canton, Ohio. Making suction cleaner hose. 2,641,301, June 9.
Gerber, Eugenio, deceased, Buenos Aires, Argentina; M. S. Sorondo, curator of the estate of said E. Gerber, assignor to Gerber, Sociedad de Responsabilidad Limitada, Buenos Aires, Argentina. Embroidering machine. 2,653,556, Sept 29.

Gerber, Eugenio, deceased; M. S. Sorondo, curator of the estate of said E. Gerber, assignor to Gerber, Sociedad de Responsabilidad Limitada, Buenos Aires, Argentina. Embroidering machine. 2,648,303, Aug. 11.

Gerber, Harold J.: *See*—
Adler, Albert A., and Gerber.

Gerber and Hora, assignee: *See*—
Hora, Josef.

Gerber, J. J., Sheet Metal Works, Inc., assignee: *See*—
Gerber, Richard A.

Gerber Products Company, assignee: *See*—
Burnett, Edward N.
McGowan, Patrick G.

Gerber, Richard A., assignor to J. J. Gerber Sheet Metal Works, Inc., Minneapolis, Minn. Distributor head for grain tubes. 2,657,782, Nov. 3.

Gerber, Sociedad de Responsabilidad Limitada, assignee: *See*—
Gerber, Eugenio.

Gerbode, William H.: *See*—
Michaelsen, William G. and C. W., and Gerbode and Dolan.

Gerdin, Sven G.: *See*—
Aldrin, Henry W., and Gerdin.

Gerdine, Thomas F., Athens, Ga. Handling timbers. 2,635,659, Apr. 21.

Gerhard, August A., Wauwatosa, Wis., and W. A. Klemme, Broadview, Ill. Remotely controllable crankcase drain valve. 2,657,705, Nov. 3.

Gerhardt, Charles C., Douglaston, N. Y. Label wiping machine. 2,661,109, Dec. 1.

Gerhardt, James S., assignor to Eastman Kodak Company, Rochester, N. Y. Paper adhesive tape. 2,652,351, Sept. 15.

Gerhart, Carlton M., Jr., assignor to York Corporation, York, Pa. Residential air conditioning system. 2,660,863, Dec. 1.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Three-component copolymers of drying oils, cyclopentadiene, and terpene hydrocarbons. 2,630,415, Mar. 3.

Gerhart, William A., Harbor Springs, Mich. Oil filter construction. 2,661,848, Dec. 8.

Gerhold, Clarence G.: *See*—
Haensel, Vladimir, and Gerhold.

Gerhold, Clarence G., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for fractionating multicomponent streams. 2,646,392, July 21.

Gerhold, José A., San Antonio Oeste, Rio Negro, Argentina. Rotary pump and motor hydraulic transmission. 2,645,085, July 14.

Gerin, Murray, Brooklyn, N. Y. Closure member for containers. 2,624,494, Jan. 6.

Gerity-Michigan Corporation, assignee: *See*—
Kinker, Clarence C., and Murtagh.

Gerjovich, Henry J., and M. Pijoan, Boulder, Colo., assignors to The Chemical Foundation, Incorporated. Chlorinated n-ethyl acetanilide insecticide spray composition. 2,648,621, Aug. 11.

Gerke, Roscoe H., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Self-sealing fuel cell. 2,626,882, Jan. 27.

Gerken, John D., and H. V. Madden, Toledo, Ohio. Valve mechanism for beverage dispensing devices. 2,657,835, Nov. 3.

Gerlach, Carl A., Spring Lake, Mich. Wrapping machine. 2,643,499, June 30.

Gerlach, Hugo, assignor to Block & Anderson Limited, London, England. Sheet feeding arrangement for rotary printing machines. 2,633,795, Apr. 7.

Gerlach, Karl, Moers, Germany. Mine stemple comprising two telescoping sections. 2,640,674, June 2.

Gerlach, Karl, Moers, Germany. Mine supporting structure. 2,650,475, Sept. 1.

Gerlach, Karl, Moers, Germany. Metallic prop. 2,661,180, Dec. 1.

Germain, Leo M., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Drying granular vinyl ester polymers. 2,637,119, May 5.

Germain, Leo M., Shawinigan Falls, Quebec, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Preparation of solutions of polyvinyl alcohol-acetate. 2,640,816, June 2.

Germain, Leo M., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Continuous process for the alkaline alcoholysis of polyvinyl esters. 2,643,994, June 30.

German, Aloys T., Humphrey, Nebr. Hoisting cradle. 2,642,198, June 16.

Germanow-Simon Machine Co., Inc., assignee: *See*—
Vacanti, Michael C., and Granata.

Germer Edmund, Berlin-Wannsee, Germany, assignor to Hanovia Chemical & Manufacturing Co., Newark, N. J. Electric discharge device. 2,659,835, Nov. 17.

Germer, Edmund, Berlin-Wannsee, Germany, assignor to Hanovia Chemical & Manufacturing Co., Newark, N. J. Electric discharge device. 2,659,836, Nov. 17.

Gerner, Theodore C., Oklahoma City, Okla. Replacement bushing assembly. 2,627,732, Feb. 10.

Gerner, Theodore C., Oklahoma City, Okla. Repairing bell housing assemblies. 2,660,778, Dec. 1.

Gerneth, Josef, assignor to Siemens-Reiniger-Werke, Erlangen, Germany. Machine for convergent irradiation. 2,640,159, May 26.

Gero, Alexander, Media, Pa. Separating optical isomers. 2,650,938, Sept. 1.

Gerrard, A. J., & Company, assignee: *See*—
Downing, Donell F.

Gerrard Engineering & Manufacturing Company Limited, The, assignee: *See*—
Fortune, Henry J., and Mortimer.

Gersman, Harvey M., New York, N. Y., assignor of one-tenth to G. Jordan, Montclair, and one-tenth to A. G. Wigren, Glen Ridge, N. J. Extrusion. 2,660,302, Nov. 24.

Gersmehl, Vern R., Sr., Cheyenne, Wyo. Toy rocket. 2,642,289, June 16.

Gerson, Fred, Elmhurst, assignor to Akron Hardware Mfg. Corp., Woodside, N. Y. Cabinet catch. 2,660,465, Nov. 24.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Power drive arrangement for concrete mixers. 2,624,557, Jan. 6.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Transmission. 2,633,754, Apr. 7.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Mixer closure. 2,639,128, May 19.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Discharge chute mounting for concrete mixers. 2,646,262, July 21.

Gerst, Chris, Detroit, Mich., assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Concrete mixer. 2,662,755, Dec. 15.

Gerstenzang, Ralph: *See*—
Brownlie, John, Gerstenzang, and Blamey.

Gerstmann, William, Buffalo, N. Y. Liquid suction device. 2,639,005, May 19.

Gertel, Maurice G.: *See*—
Gordon, Samuel A., Espy, Cooke, and Gertel.

Gerth, Elmer O., assignee: *See*—
Fuhrman, William F.

Gertz, Philip L., Brooklyn, N. Y. Liquid actuated figure. 2,634,545, Apr. 14.

Gerue, Agnes M., Escanaba, and V. T. Lockard, Gladstone, Mich. Sink dish protector. 2,635,252, Apr. 21.

Gerwe, Raymond D.: *See*—
Sinde, Martin A., Jr., and Gerwe.

Gerwick, Ben C., Inc., assignee: *See*—
Trexel, Carl A.

Gerwig, Larry L.: *See*—
Dickey, John W., Hood, and Gerwig.

Gesellschaft der Ludw. von Roll'schen Eisenwerke A. G., assignee: *See*—
Schnyder, Othmar.

Gesellschaft für Linde's Eismaschinen A.-G., assignee: *See*—
Kahle, Heinrich.

Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule Zurich, assignee: *See*—
Hetzel, Max, Mast, and Thiemann.

Gesellschap, Robert A., Kirkwood, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,654,814, Oct. 6.

Gesner, Carleton P., New Haven, Conn. Tool supporting arm for radial saws. 2,626,638, Jan. 27.

Gess, Louis, Jenkintown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Force measuring instrument. 2,655,037, Oct. 13.

Gess, Louis, Jenkintown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Linkage manually operable to shift the set point of one or two control instruments. 2,625,167, Jan. 13.

Gessler, Albert M.: *See*—
Banes, Fred W., Gessler, and Fischer.

Gessler, Ben, Sunnyside, N. Y. Micrometer height gauge. 2,650,436, Sept. 1.

Gessler, Harry C., Brooklyn, N. Y., assignor to Medco Products Co. Inc., North Bergen, N. J. Measuring cap construction for receptacle dispensers. 2,631,758, Mar. 17.

Gessmann, Edmund G., Woodside, assignor to L. Batlin & Son, Inc., New York, N. Y. Lighter. 2,664,008, Dec. 29.

Gessner, David, Company, assignee: *See*—
Dourdeville, Theodore A.

Gethner, Lee, assignor to Lee Industries, Inc., Chicago, Ill. Folding chair. 2,650,653, Sept. 1.

Gettig, Martin S., Youngstown, Ohio. Plug-handling mechanism for seamless tube mills. 2,635,492, Apr. 21.

Getting, Ivan A., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio pulse echo object locating system. 2,639,424, May 19.

Getty, Ellsworth J., and R. E. Clapp, Groton, Conn. Portable scaffolding. 2,635,014, Apr. 14.

Getty Manufacturing & Tool Company, assignee: *See*—
Rollins, Derrial O.

Getz, Delmond L.: *See*—
Rausenberger, Larence E., and Getz.

Getz, Delmond L., and R. O. Hedges, assignors to The Steel Products Engineering Company, Springfield, Ohio. Flow stabilizing device for gun-type oil burners. 2,632,499, Mar. 24.

Getz, Delmond L., and R. O. Hedges, assignors to The Steel Products Engineering Company, Springfield, Ohio. Flow stabilizing device for gun-type oil burners. 2,632,500, Mar. 24.

Getz, Delmond L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Ash container. 2,637,285, May 5.

Getz, Delmond L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Shear pin cutout for stoker motors. 2,628,337, Feb. 10.

Getzlaff, Donald K.: *See*—
Scag, Dane T., and Getzlaff.

Geuder, Paeschke & Frey Co., assignee: *See*—
Siczkiewicz, Joseph, Jr., and Voigt.
Voigt, Herbert L., and Siczkiewicz, Jr.

Gevaert Photo-Producten N. V., assignee: *See*—
Jennen, Jacob J., and Vandenbroele.
Rott, André.
Von Fraunhofer, Hans V., and Meeussen.

Gever, Gabriel: *See*—
Ward, William C., and Gever.

Gever, Gabriel, Oxford, and C. J. O'Keefe, assignors to Eaton Laboratories, Inc., Norwich, N. Y. Making 2-hydroxyethylhydrazine. 2,660,607, Nov. 24.

Gever, Gabriel, Oxford, assignor to Eaton Laboratories, Van Dijck, Willem J. D., and Geyer.

Gevirman, Jerome, Brooklyn, N. Y. Smoker's pipe. 2,641,263, June 9.

Gevirman, Jerome, Brooklyn, N. Y. Connection for the bits of smoking pipes. 2,646,052, July 21.

Geyer, Bradford P.: *See*—
Ballard, Seaver A., and Geyer.

Geyer, Bradford P.: *See*—
Inc., Norwich, N. Y. Series of new 3-amino-2-oxazolidones and the preparation thereof. 2,652,402, Sept. 15.

Geyer, Charles J., Jr. *See*—
Mallinson, John H., and Geyer.

Geyer, Eugene P., Detroit, Mich., assignor, by mesne assignments, to Pioneer Specialty Company. Extensible aerial. 2,650,302, Aug. 25.

Geyer, Franz, Linz (Danube), Austria, assignor of one-half to W. F. Gauster, Raleigh, N. C. Liquid-cooled rotary electric machine. 2,648,789, Aug. 11.

Geyer, Howard M., and N. J. Bullock, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Actuator. 2,642,752, June 23.

Geyer, Howard M., Dayton, and D. K. Ferris, West Milton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Motor driven actuator. 2,639,625, May 26.

Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid pressure actuator and locking means therefor. 2,643,642, June 30.

Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Synchronized power transmitter. 2,657,539, Nov. 3.

Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Dual drive actuator. 2,660,026, Nov. 24.

Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Dual drive actuator. 2,660,027, Nov. 24.

Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Dual drive actuator. 2,660,028, Nov. 24.

Geyer, Howard M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Dual drive actuator. 2,660,029, Nov. 24.

Geyer, Wallace T., Berwick, R. H. Learn, Bloomsburg, and L. W. Sult, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Knockdown shipping container. 2,650,737, Sept. 1.

Ghormley, Edwin I., assignor to United Aircraft Products, Inc., Dayton, Ohio. Machine for metalworking. 2,624,303, Jan. 6.

Ghormley, Edwin I., assignor to United Aircraft Products, Inc., Dayton, Ohio. Making baking or like pans. 2,624,304, Jan. 6.

Ghormley, Edwin I., assignor to United Aircraft Products, Inc., Dayton, Ohio. Valve construction. 2,624,542, Jan. 6.

Ghormley, Edwin I., assignor to United Aircraft Products, Inc., Dayton, Ohio. Two phase electromagnetic device. 2,654,393, Oct. 6.

Giacchetti, Anacleto D., assignor to National Video Corporation, Chicago, Ill. Electrostatic lens for cathode-ray tubes. 2,638,559, May 12.

Giacoletto, Lawrence J., Eatontown, N. J., assignor to Radio Corporation of America. Electron oscillator circuit. 2,646,531, July 21.

Giacosa, Dante, assignor to Fiat Societa per Azioni, Turin, Italy. Propelling unit for motor vehicles. 2,634,710, Apr. 14.

Gialanella, Joseph, Newark, N. J. Carrier. 2,637,475, May 5.

Gialanella, Joseph, Newark, assignor of one-half to G. De Rogatis, Orange, N. J. Container filling machine. 2,643,807, June 30.

Giambiasi, John E., Philadelphia, Pa. Gauge. 2,648,911, Aug. 18.

Giannini, G. M., & Co., Inc., assignee: *See*—
Klose, Alfred J.

Gianoglio, Ermanno, Milan, assignor to S. A. Luigi Rizzi & C., Modena, Italy. Hydraulic system for driving the rotation of sundry members in machines for the working of skins and hides. 2,638,769, May 19.

Giauque, Charles A., Berwyn, assignor to Crane Co., Chicago, Ill. Valve closure member. 2,632,624, Mar. 24.

Giauque, Charles A., Berwyn, assignor to Crane Co., Chicago, Ill. Valve. 2,662,721, Dec. 15.

Gibb, Harold A., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Aircraft trim tab control. 2,640,665, June 2.

Gibb, Robert T., Chicago, Ill. Bathtub cover. 2,642,580, June 23.

Gibbon, John H., Jr., Philadelphia, Pa., G. V. A. Malmros, Binghamton, J. R. Engstrom, Endicott, and E. A. Barber, Jr., Johnson City, N. Y., assignors to The Jefferson Medical College of Philadelphia, Philadelphia, Pa. Extracorporeal circulation device. 2,659,368, Nov. 17.

Gibbon, Samuel Y., Jenkintown, assignor to Air-Shields, Inc., Hatboro, Pa. Equipment for treatment of respiratory ailments. 2,624,337, Jan. 6.

Gibbon, Samuel Y., Jenkintown, assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa. Infant incubator equipment. 2,648,327, Aug. 11.

Gibbons, Clyde F., Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo. Flap locking device for container inserts. 2,646,202, July 21.

Gibbons, Clyde F., Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo. Corner locking device for containers. 2,663,488, Dec. 22.

Gibbons, James A., North Hollywood, assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Neutral density filter screen. 2,628,534, Feb. 17.

Gibbons, Melvin W., assignor of one-third to W. J. Gibbons and one-third to J. A. Burke, Brandon, Wis. Eaves trough clamp. 2,647,476, Aug. 4.

Gibbons, Wayne J., assignee: *See*—
Gibbons, Melvin W.

Gibbons, Willis A., Montclair, and T. J. Rhodes, Clifton, N. J., assignors to United States Rubber Company, New York, N. Y. Sidewall actuated tire pump. 2,626,650, Jan. 27.

Gibbs, Bradford C.: *See*—
Roberts, Samuel B., and Gibbs.

Gibbs, Earl, Denver, Colo. Bullet forming die. 2,654,140, Oct. 6.

Gibbs, F. S., Inc., assignee: *See*—
Gibbs, Fred S.

Gibbs, Fred S., Waban, assignor to F. S. Gibbs, Inc., Boston, Mass. Recovery of fatty acid values from aqueous liquids containing such values. 2,637,737, May 5.

Gibbs Manufacturing and Research Corporation, assignee: *See*—
Fink, Jean.
Gibbs, Thomas B.

Gibbs, S. E., Corydon, Iowa. Treated clay animal litter. 2,649,759, Aug. 25.

Gibbs, Thomas B., Delavan, assignor to Gibbs Manufacturing and Research Corporation, Janesville, Wis. Watch regulating apparatus. 2,640,349, June 2.

Gibbs, Thomas B., Delavan Lake, and S. Dinerstein, Delavan, Wis., and G. W. Gilman, Lake Wales, Fla., assignors to The George W. Borg Corporation, Chicago, Ill. Tapered conductor. 2,638,522, May 12.

Gibbs, William J., East Rockaway, N. Y., assignor to American Machine and Foundry Company. Self-leveling dispenser. 2,662,802, Dec. 15.

Gibbs, William J., and C. H. Larsen, Brooklyn, N. Y., assignors to American Machine & Foundry Company. Material receiving, storing, and dispensing apparatus. 2,626,727, Jan. 27.

Gibby, William F., Berkeley Heights, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Device for dicing sheet material. 2,635,693, Apr. 21.

Giberson, Samuel H., assignor to R. R. Colburn, Kansas City, Mo. Concrete gun. 2,649,289, Aug. 18.

Gibney, Joseph W., assignor to Russell, Burdsall & Ward Bolt and Nut Company, Port Chester, N. Y. Support for taps. 2,651,792, Sept. 15.

Gibone Trust, assignee: *See*—
Schoch, Adrien.

Gibraltar Manufacturing Co., Inc., assignee: *See*—
Gottlieb, Joseph, Woessner, and Eickemeyer.

Gibson, Albert G.: *See*—
Staege, Stephen A., and Gibson.

Gibson, Charles J., assignor to Gibson Refrigerator Company, Greenville, Mich. Range top structure. 2,633,523, Mar. 31.

Gibson, Charles R., Richmond, Va. Power indicating instrument. 2,653,472, Sept. 29.

Gibson, Earl S., Ridgewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Common timing circuit. 2,630,564, Mar. 3.

Gibson Electric Company, assignee: *See*—
Graves, Herbert C., Jr.
Harvey, Cecil L.

Gibson, Eugene C., assignor to Southern Iron & Equipment Company, Atlanta, Ga. Plow. 2,652,761, Sept. 22.

Gibson, George T., Edinburgh, and W. H. W. Ramsay, Penicuik, assignors to John Gibson & Son Limited, Edinburgh, Scotland. Garbage vehicle. 2,648,452, Aug. 11.

Gibson, Harry E., Muskegon, Mich. Power hammer. 2,646,100, July 21.

Gibson, Harry L., assignor to D. E. Ahlburg, Los Angeles, Calif. Nut weighing and bagging apparatus. 2,659,564, Nov. 17.

Gibson, James L.: *See*—
Maker, Edwin J., and Gibson.

Gibson, John, & Son Limited, assignee: *See*—
Gibson, George T., and Ramsay.

Gibson, John D., Lockhart, S. C. Clearer tensioning device. 2,648,875, Aug. 18.

Gibson, John E., Washington, D. C. Microwave slot coupling. 2,626,316, Jan. 20.

Gibson, John E., Washington, D. C. Ultrahigh-frequency generator. 2,626,356, Jan. 20.

Gibson, Joseph W., Jr., Penns Grove, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Coloring hydrophobic fiber. 2,663,612, Dec. 22.

Gibson, Joseph W., Jr., Penns Grove, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Coloring nylon fiber. 2,663,613, Dec. 22.

Gibson Refrigerator Company, assignee: *See*—
Andersen, Earl H.
Drake, Earl D.
Gibson, Charles J.
Nofzinger, Earl E.
Rosebrook, Homer E.
Rutenber, Edwin A.

Gibson, Richard B., Glencoe, Mo. Whisky aging vat. 2,657,629, Nov. 3.

Gibson, Robert B., Ponca City, Okla. Bone fracture splint. 2,658,508, Nov. 10.

Gibson, Roy C., and J. J. Leggett, Wichita Falls, Tex. Mud and chemical mixer. 2,631,017, Mar. 10.

Gibson, William, assignor to Daily Mirror Newspapers Limited, London, England. Vehicle unloading platform for large cylindrical bodies. 2,634,005, Apr. 7.

Giddings & Lewis Machine Tool Company, assignee: *See*—
Daugherty, Jesse.
Gallimore, Keith F.
Kaiser, Erwin J.
Rutz, William E.
Wigton, Walter B., and Daugherty.

Gidion, Frank M., assignee: *See*—
Cencer, Peter F., and Whiteman.

Gidion, Leonore, special administratrix: *See*—
Cencer, Peter F., and Whiteman.

Giel, George J., Jr., and M. C. Burns, assignors to Berkeley Scientific Corporation, Richmond, Calif. Magnetic ring counter. 2,640,164, May 26.

Gielow, George F.: *See*—
Hiltman, Laurence W., and Gielow.

Glenger, Fred, Highland Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Duplex wire cable slitting device. 2,662,283, Dec. 15.

Gier, Francis T.: *See*—
Tagliaferri, Frank P., and Gier.

Giese, Alfred G., Jr., assignor to Handcraft Company, Inc., Princeton, Wis. Article of footwear embodying flock-coated outsole. 2,663,097, Dec. 22.

Giese, Walter E., West Salem, Ill. Race horse starting device. 2,660,980, Dec. 1.

Gieseke, Elmer W., Fountain City, Tenn., assignor to American Cyanamid Company, New York, N. Y. Flotation of mica with sulfonates. 2,643,770, June 30.

Giesen, Arthur A., Chicago, Ill. Boiler skimmer. 2,624,322, Jan. 6.

Giesler, Herbert H.: *See*—
Hinsken, Howard W., and Giesler.

Giffen, James L., Hudson, N. Y., assignor, by mesne assignments, to Emhart Manufacturing Company. Stock feeding mechanism. 2,643,115, June 23.

Giffen, James L., Hudson, N. Y., assignor, by mesne assignments, to Emhart Manufacturing Company. Antibacklash servo clutch. 2,662,624, Dec. 15.

Giffen, James W., Corning, and J. C. Overmyer, Painted Post, assignors to Corning Glass Works, Corning, N. Y. Glass severing. 2,629,206, Feb. 24.

Giffen, James W., assignor to Corning Glass Works, Corning, N. Y. Glass severing apparatus. 2,662,289, Dec. 15.

Giffen, James W., assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for forming glass. 2,662,346, Dec. 15.

Giffen, James W., assignor to Corning Glass Works, Corning, N. Y. Glass forming mold. 2,662,347, Dec. 15.

Giffin, Edward S., Auburn, Wash. Combination-operated mechanism. 2,640,346, June 2.

Gifford, Charles E., and C. B. Howse, assignors to Mueller Brass Company, Port Huron, Mich. Valve apparatus. 2,630,291, Mar. 3.

Gifford, Clayton E., and R. W. Keeler, assignors to The Huber Manufacturing Company, Marion, Ohio. Surface leveling apparatus. 2,652,642, Sept. 22.

Gifford, James S., New Westminster, British Columbia, Canada. Shingle surfacing machine. 2,647,547, Aug. 4.

Gifford, John F.: *See*—
Andrews, Harry C., and Gifford.

Giguere, Albert E., Elizabeth, N. J. Antirattling device for windows. 2,649,326, Aug. 18.

Gil, Marie M., née Dambrun, Amsterdam, Netherlands. Brassière. 2,648,069, Aug. 11.

Gilbert, A. C., Company, The, assignee: *See*—
Erhardt, Oscar P.
Frisbie, Marshall H.
Haury, William R.
Schmidt, Frederick W., Moore, and Edberg.
Smith, William R., and Monaco.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Bills, Philip H., Logan, and Mesh.
Dunn, James P.
Grisé, Alfred L.
Grisé, Alfred L., and Neef.
Heckman, George J., and Paterwic.
Logan, Joseph A.
Logan, Joseph A., and Lavallee.
Logan, Joseph A., and Robinson.
Mesh, Theodore J.
Plossl, George W., and Leety.
Plossl, George W., and Neef.
Sullivan, Philip J.
Tapp, Harry F., and Cochrane.
Tapp, Harry F., and Robinson.

Gilbert, Charles E., deceased, New York, N. Y.; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. Socket connector. 2,625,576, Jan. 13.

Gilbert, Charles E., deceased, New York, N. Y.; M. D. Gilbert, N. Coats, and The Chase National Bank of the City of New York, executors. Pin-tap lamp socket. 2,636,069, Apr. 21.

Gilbert, Charles E., deceased, New York, N. Y.; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. Readily attachable electrical connector. 2,647,245, July 28.

Gilbert, Charles E., deceased, New York, N. Y.; M. D. Gilbert, N. Coates, and The Chase National Bank of the City of New York, executors. Electric lamp socket with pin tap connecting means. 2,647,246, July 28.

Gilbert, Charles L., assignor to D. Black, Spokane, Wash. Eraser cleaning machine. 2,663,044, Dec. 22.

Gilbert, Clarke M.: *See*—
Cook, David C., and Gilbert.

Gilbert, Clifford J., Philadelphia, Pa. Thread gauge. 2,663,947, Dec. 29.

Gilbert, Clyde L., Elkhart, Ind. Blank for box production. 2,649,240, Aug. 18.

Gilbert, Earl C., Jr., Hopkins, Minn. Automatic safety device for power lifts. 2,629,851, Feb. 24.

Gilbert, Edward: *See*—
Wilhelm, Wilbur F., Jr., and Gilbert.

Gilbert, Everett E.: *See*—
Woolf, Cyril, and Gilbert.

Gilbert, Everett E., Flushing, and S. L. Giolito, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparing monosulfonated saturated aliphatic dicarboxylic acids. 2,647,925, Aug. 4.

Gilbert, Everett E., Flushing, and J. V. Schurman, Bellaire, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Process for preparing 2-chloro-4-nitrophenol. 2,629,745, Feb. 24.

Gilbert, Everett E., New York, N. Y., assignor to Allied Chemical & Dye Corporation. Organic sulfide compositions and method of making and using. 2,629,742, Feb. 24.

Gilbert, Everett E., New York, and C. Woolf, Long Island City, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of di- and trichloroacetones. 2,635,118, Apr. 14.

Gilbert, Harry, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with acrylonitrile. 2,628,954, Feb. 17.

Gilbert, Harry, Cuyahoga Falls, and F. F. Miller, Wadsworth, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Solutions of vinylidene cyanide interpolymers in an organic nitrile. 2,649,426, Aug. 18.

Gilbert, Harry, Cuyahoga Falls, F. F. Miller, and W. L. Folt, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with alkenyl esters of monobasic acids. 2,650,911, Sept. 1.

Gilbert, Harry, Cuyahago Falls, and F. F. Miller, Wadsworth, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with alkyl vinyl ketones. 2,654,724, Oct. 6.

Gilbert, Harry, Cuyahoga Falls, and F. F. Miller, Wadsworth, Ohio., assignors to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene cyanide with difluorodichloroethylenes. 2,654,728, Oct. 6.

Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Production of sodium carbide and acetylene. 2,642,347, June 16.

Gilbert, Herman W., Forest Hills, and W. Deichmann, Elmont, assignors to Cutting Room Appliances Corporation, New York, N. Y. Reciprocating carriage drive. 2,631,457, Mar. 17.

Gilbert, Lemuel M., Oaklyn, N. J., and C. G. Derr, Philadelphia, Pa. Drum cleaning machine. 2,628,378, Feb. 17.

Gilbert, Leon, Stamford, assignor to Winchester Electronics, Inc., Glenbrook, Conn. Electrical connector hood assembly. 2,659,872, Nov. 17.

Gilbert, Margaret D., executrix: *See*—
Gilbert, Charles E.

Gilbert & Nash Company, assignee: *See*—
Cooper, Lynn F.

Gilbert, Norman G., trustee, assignee: *See*—
Newhouse, George A.

Gilbert, Philo G., assignor to Gilbert Wheel, Inc., Portland, Oreg. Wheel for automotive vehicles. 2,628,651, Feb. 17.

Gilbert, Philo G., assignor, by mesne assignments, to Gilbert Wheel, Inc., Portland, Oreg. Rim driving wheel. 2,659,405, Nov. 17.

Gilbert, Philo G., Seattle, Wash., assignor to Gilbert Wheel Inc., Portland, Oreg. Wheel rim suspension. 2,660,213, Nov. 24.

Gilbert Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Thermocouple cold-end compensator. 2,640,089, May 26.

Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Induction galvanometer. 2,650,348, Aug. 25.

Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Integrating apparatus. 2,662,689, Dec. 15.

Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Integrating direct current wattmeter. 2,663,846, Dec. 22.

Gilbert, Samuel, Cedar Grove, and C. Metsger, Morris Plains, assignors to Bendix Aviation Corporation, Teterboro, N. J. High-speed starter. 2,640,359, June 2.

Gilbert, Walter J., Sr., Indiana, assignor to Syntron Company, Homer City, Pa. Inflatable standby seal for stationary, revolving, sliding, and rocking tubes and the like and shafts and the like. 2,648,554, Aug. 11.

Gilbert Wheel, Inc., assignee: *See*—
Gilbert, Philo G.

Gilbert, William A.: *See*—
Herrmann, John F., and Gilbert.

Gilbert, William I., and C. W. Montgomery, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparing liquid hydrocarbon fuel from coal. 2,654,695, Oct. 6.

Gilbertson, Grace R., Rochester, Wis., Maternity skirt. 2,661,477, Dec. 8.

Gilbertson, Harris S., Tehachapi, Calif. Drafting instrument. 2,637,110, May 5.

Gilberty, Paul, Roslyn Heights, assignor to Dairymat Corporation, Long Island City, N. Y. Automatic ice cream filler. 2,663,482, Dec. 22.

Gilchrist, Albert D., Lyndhurst, assignor to The Leece-Neville Company, Cleveland, Ohio. Saturable reactor voltage regulation. 2,646,543, July 21.

Gilchrist, Everette V., Jackson Heights, N. Y. Utility tray. 2,657,967, Nov. 3.

Gilchrist, James W., Toronto, Ontario, Canada, assignor to Neergaard and Associates, Paterson, N. J. Ball applicator type dispenser with lockable ball and removable cartridge. 2,632,193, Mar. 24.

Gilchrist, John, London, Ontario, Canada, assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Apparatus for forming and assembling egg cartons. 2,642,786, June 23.

Gilchrist, Peter S., Jr., Charlotte, N. C. Miniature knockdown stove. 2,639,704, May 26.

Gilchrist, Thomas R., Yendon, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway pilot structure. 2,632,572, Mar. 24.

Gilchrist, William: *See*—
Miller, Charles A., Dreier, and Gilchrist.

Gilcrease, John R., and M. C. Fuqua, Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of latex stabilizer dispersions. 2,662,061, Dec. 8.

Gilcrest, Laurence B., Irondale, Ohio. Water cleaning apparatus. 2,650,711, Sept. 1.

Gilda, Edward T., assignor to Carter Carburetor Corporation, St. Louis, Mo. Ball plug setting tool. 2,652,733, Sept. 22.

Giles, Arthur C., Birkenhead, England. Clamping ring closure. 2,643,150, June 23.

Giles, Eugene M., Western Springs, Ill. Compartmentizable seat for railroad coaches and the like. 2,632,408, Mar. 24.

Gilfillan Bros., Inc., assignee: *See*—
Crane, George B.
Johnson, Thomas J.
Tasker, Homer G., Hiebert, Kelsey, and Osborne.
Tasker, Raymond B.

Gilg, Frank X., Chatham, and J. C. Singleton, Jr., Watchung, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Closure unit for chamber wall openings. 2,637,461, May 5.

Gilkerson, Marian H.: *See*—
Sloan, Jervis H., and Gilkerson.

Gilkey, John W.: *See*—
Barry, Arthur J., and Gilkey.

Gilkey, William K., Cuyahoga Falls, Ohio, and A. C. Shuman, Mountain Lakes, N. J., assignors, by mesne assignments, to Diamond Crystal Salt Co., St. Clair, Mich. Salt crystallization process. 2,655,438, Oct. 13.

Gill, Alfred E., Plentywood, Mont. Trip rope tensioning and releasing device. 2,637,510, May 5.

Gill, Andrew S., Jr.: *See*—
Winther, Martin P. and A., and Gill.

Gill, Donald W., Cincinnati, assignor to The Frank F. Taylor Company, Norwood, Ohio. Collapsible vehicle for children. 2,642,924, June 23.

Gill, James C., Indianapolis, Ind. Egg breaking machine. 2,655,965, Oct. 20.

Gill, John B., assignor to Pilot Manufacturing Company, San Francisco, Calif. Detachable link for pipecutting tools. 2,641,103, June 9.

Gill, John B., San Francisco, and R. V. Pagendarm, Oakland, assignors to Pilot Manufacturing Company, San Francisco, Calif. External chain type pipe cutting tool with clamping means. 2,629,925, Mar. 3.

Gill, Lester D.: *See*—
Adorney, Charles S., Gill, and McIlvain.

Gill, Reva, Brooklyn, N. Y. Decorative cover for headboards. 2,641,779, June 16.

Gill, Walter H., and T. E. Darrah, Belleville, Ontario, Canada. Lock with key ejector. 2,641,920, June 16.

Gill, Walter L., Redlands, Calif. Electric storage battery venting system. 2,646,459, July 21.

Gill, Willie, Montreal, Quebec, Canada, and S. S. Nicholson, River Edge, N. J., assignors to American Can Company, New York, N. Y. Shipping package. 2,662,649, Dec. 15.

Gille, Willis H.: *See*—
Divette, Randolph E., Gille, and Huntington.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic actuator. 2,628,272, Feb. 10.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. 2,632,797, Mar. 24.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pivot. 2,634,174, Apr. 7.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Limit switch centering apparatus. 2,654,061, Sept. 29.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control apparatus. 2,661,449, Dec. 1.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control system. 2,662,706, Dec. 15.

Gilleland, Grover W., Tacoma, Wash. Patient transfer device. 2,630,583, Mar. 10.

Gillerstrom, Hilmer A., Arcadia, Calif., assignor to Independent Pneumatic Tool Co., Aurora, Ill. Centralizer. 2,661,189, Dec. 1.

Gillerstrom, Hilmer A., Arcadia, and R. O. Canning, Norwalk, Calif., assignors to Independent Pneumatic Tool Co., Aurora, Ill. Valve. 2,657,709, Nov. 3.

Gillespie, Daniel C., Oak Park, assignor to Borg-Warner Corporation, Chicago, Ill. Electrical connector. Re. 23,720, Oct. 6.

Gillespie, Elwyn R., San Pablo, Calif. Odorless urinal. 2,646,574, July 28.

Gillespie, Ethel E. and J. E., Portland, Oreg. Adjustable skirt construction. 2,636,180, Apr. 28.

Gillespie, Forest H., C. Franzen, Los Angeles, and D. P. Motta, Glendale, Calif., said Franzen and said Motta assignors to said Gillespie. Gluing machine. 2,633,166, Mar. 31.

Gillespie, Frank E., Jr., Jamaica Plain, Mass. Can punch. 2,639,500, May 26.

Gillespie, Jean E.: *See*—
Gillespie, Ethel E. and J. E.

Gillespie, James E., Toledo, Ohio. Outboard engine mounting device. 2,659,558, Nov. 17.

Gillespie, Michael A., and E. L. Morey, Bridgeport, Conn. Folding garment hanger. 2,633,276, Mar. 31.

Gillespie, Robert H., Walpole, assignor to The Kendall Company, Boston, Mass. Textile interliner fabric for garments and making the same. 2,646,374, July 21.

Gillespie, Robert H., Walpole, assignor to The Kendall Company, Boston, Mass. Polyvinyl chloride polymer dispersion. 2,646,414, July 21.

Gillespie, Russell A., Indianapolis, Ind. Window. 2,628,392, Feb. 17.

Gillespie, Sydney H., Kilgarrow, Newtown Butler, Northern Ireland, assignor to Featherstone Agricultural Limited, Middlesex, England. Mower attachment for tractors. 2,628,467, Feb. 17.

Gillespie, Wilbur F.: *See*—
Sapp, Junius E., Gillespie, and McKim.

Gillett, Horace W., Columbus, assignor, by mesne assignments, to The Warner & Swasey Company, Cleveland, Ohio. Hot machining of metals. 2,654,821, Oct. 6.

Gillette Company, The, assignee: *See*—
Atchason, Stanley.
Auerbach, Zemach.
Bailey, Vincent R.
Bowen, Billi, and Metzler.
Muros, Joseph.
Reed, Raymond E., Brant, and Olson.
Shnitzler, Meyer J.
Testi, Nicholas.

Gillette, Edwin, Los Angeles, Calif. Hinge and gate construction. 2,644,258, July 7.

Gillette, Frank N., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Television recorder. 2,664,465, Dec. 29.

Gillette, Frank N., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Universal focus sound scanning system. 2,664,470, Dec. 29.

Gillham, Walter E., Kansas City, Mo. Air conditioning apparatus. 2,633,070, Mar. 31.

Gillham, Willard C., and A. T. Hendrix, Knoxville, Tenn., assignors to Tennessee Valley Authority. Oil burner. 2,653,767, Sept. 29.

Gillick, Laurance H., Evanston, and T. J. Lehane, North Riverside, assignors to Vapor Heating Corporation, Chicago, Ill. Hot-water heating system. 2,629,554, Feb. 24.

Gillick, Laurance H., Evanston, E. A. Russell, Chicago, and N. O. Kirkby, Elmhurst, assignors to Vapor Heating Corporation, Chicago, Ill. Air blending temperature control for heating and cooling systems. 2,647,452, Aug. 4.

Gillies, Daniel M.: *See*—
Conant, Louis A., and Gillies.

Gilligan, Carl W., East Longmeadow, Mass. Headspacing adjusting device for firearms. 2,645,160, July 14.

Gilliland, Roger L.: *See*—
Swartwout, Denton K., III, and Gilliland.

Gilliland, Roger L., Euclid, assignor to The Swartwout Company, Cleveland, Ohio. Sealed pressure responsive mechanism. 2,628,139, Feb. 10.

Gillis, Edmund A., Oceanside, assignor to The Cronite Co., Inc., New York, N. Y. Intaglio engraving press. 2,662,471, Dec. 15.

Gillis, Joseph R., Kalamazoo, Mich. Method and apparatus for drying inks. 2,627,667, Feb. 10.

Gillman, Harry, assignee: *See*—
Gillman, Max B.

Gillman, Max B., New Hyde Park, assignor of one-half to H. Gillman, Flushing, N. Y. Preformed dental inlay. 2,659,145, Nov. 17.

Gilman, George W.: *See*—
Gibbs, Thomas B., Dinerstein, and Gilman.

Gilmont, Roger: *See*—
Stone, Bertram M., and Gilmont.

Gilmont, Roger, Brooklyn, assignor to The Emil Greiner Company, New York, N. Y. Universally adaptable frame. 2,630,342, Mar. 3.

Gilmore, Burdette B., Pelham Manor, N. Y. Radio-clock-lamp combination. 2,626,327, Jan. 20.

Gilmore, Burdette B., Pelham Manor, assignor to West Disinfecting Company, Long Island City, N. Y. Valve assembly. 2,628,569, Feb. 17.

Gilmore, Carleton W., deceased, Pampa, Tex.; M. M. Gilmore, Independence, Tex., executrix of said C. W. Gilmore. Carburetor for internal-combustion engines. 2,644,678, July 7.

Gilmore, Chace D., West Chester, Pa. Condiment holder. 2,630,246, Mar. 3.

Gilmore, Charles G., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Strand tension device. 2,647,705, Aug. 4.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Selective adsorption separation apparatus. 2,635,706, Apr. 21.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fixed bed cyclic adsorption apparatus. 2,635,707, Apr. 21.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Low-temperature absorption refrigeration. 2,650,480, Sept. 1.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Continuous weighing mechanism for solids. 2,652,141, Sept. 15.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Furfural extraction process. 2,654,792, Oct. 6.

Gilmore, Forrest E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating a gaseous mixture. 2,661,812, Dec. 8.

Gilmore, Jackson G., deceased, and W. H. Gilmore, Columbus, Ohio; W. H. Gilmore, executor. Oil burner and fire control device. 2,654,423, Oct. 6.

Gilmore, Mary M., executrix: *See*—
Gilmore, Carleton W.

Gilmore, Vincent J., Wappingers Falls, assignor to The De Laval Separator Company, New York, N. Y. Proportional pumping apparatus. 2,627,813, Feb. 10.

Gilmore, William H.: *See*—
Gilmore, Jackson G. and W. H.

Gilreath, Lafayette E., assignor to L. G. Perkins, Fresno, Calif. Clod breaker. 2,657,619, Nov. 3.

Gilroy, John, Sun Prairie, and A. R. Wiese, Jr., Madison, Wis., assignors to Air Reduction Company, Incorporated. Metering apparatus for oxygen tents. 2,646,041, July 21.

Gilson, Hiram B., Chatham, and C. C. Anthes, Union, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Gas control device. 2,631,611, Mar. 17.

Gilson, Robert M., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Operating and snubbing circuits for direct current motors. 2,654,024, Sept. 29.

Gilson, Walter H., Reddsburg, Wis. Poultry feeder. 2,631,567, Mar. 17.

Gilson, William B., Anderson, Ind. Removable blade shears. 2,647,314, Aug. 4.

Gilson, William D.: *See*—
Manteuffel, Allan, Cook, and Gilson.

Gilvarry, John J., Santa Monica, and D. F. Rutland, Pacific Palisades, Calif., assignors to North American Aviation, Inc. Accelerometer. 2,641,458, June 9.

Gilwood, Martin E., Hollis, assignor to The Permutit Company, New York, N. Y. Process of and apparatus for regenerating ion exchangers. 2,628,194, Feb. 10.

Ginder, Henry E., assignor to Manheim Manufacturing and Belting Company, Manheim, Pa. Driving belt. 2,639,622, May 26.

Ginesi, Robert L.: *See*—
Bogan, Charles W., and Ginesi.

Gingold, Eli, assignee: *See*—
Just, John H.

Ginsberg, Walter F., Anaconda, Mont. Traffic warning signal. 2,644,152, June 30.

Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Lighting system for lubrication cabinets or the like. 2,627,837, Feb. 10.

Ginther, James H., Berea, Ohio, assignor to Ferro Corporation. Vibrating conveyer with opposed-plate type crusher. 2,634,060, Apr. 7.

Ginzel, Heinz, Dornbirn, Vorariberg, Austria. Noncurling fabric. 2,635,323, Apr. 21.

Ginzton, Edward L., Los Altos, Calif., assignor to The Sperry Corporation. High-frequency power measuring apparatus. 2,653,299, Sept. 22.

Gioia, Thomas M., assignee: *See*—
Collida, Bartolo G.

Giolito, Silvio L.: *See*—
Gilbert, Everett E., and Giolito.

Giordano, Americo F., Newark, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Stabilized television circuit. 2,656,486, Oct. 20.

Giorgi, Adelmo, assignor of five-twelfths to B. Pasquesi, Highwood, and one-sixth to H. V. Dee, Great Lakes, Ill. Comb attachment for hair clippers. 2,624,113, Jan. 6.

Giori, Gualtiero, Buenos Aires, Argentina. Multicolor rotary intaglio, letterpress, and offset printing press. 2,659,305, Nov. 17.

Giossi, Louis J., Brooklyn, N. Y. Combination scribing and compass unit. 2,637,906, May 12.

Giovannoni, Cash E., Boulder City, Nev. Pack and game carrier. 2,636,748, Apr. 28.

Giovannoni, Cash E., Boulder City, Nev. Handle guided carrier and powered wheel therefor. 2,656,894, Oct. 27.

Gipe, Harrison S., assignor to Quinlan Pretzel Company, Inc., Reading, Pa. Pretzel twisting machine. 2,628,577, Feb. 17.

Giraitis, Albert P., and M. C. Fuqua, Baton Rouge, La., assignors to Standard Oil Development Company. Isopropyl alcohol process. 2,657,243, Oct. 27.

Girard, Dean C., San Leandro, Calif., assignor, by mesne assignments, to National Cylinder Gas Company. Arc welding system. 2,634,355, Apr. 7.

Girard, Joseph E., Lewiston, Idaho. Implement handle securing key. 2,661,252, Dec. 1.

Girard, Marie P., Pomona, Calif. Lipstick case with mirror thereon. 2,650,597, Sept. 1.

Girard, Theodore A.: *See*—
Klein, David X., Girard, and Johnson.

Girardello, Ettore, Detroit, Mich. Punch press gauge actuator. 2,629,443, Feb. 24.

Girling Limited, assignee: *See*—
Sadler, Francis A. D.

Girod, Emil: *See*—
Häfliger, Franz, and Girod.

Giros, Marcel, Ancerville, France. Method of and apparatus for displacing continuously a flexible band of solid material through a liquid treating chamber. 2,651,104, Sept. 8.

Girouard, Philias H.: *See*—
Topham, Laurence E., and Girouard.

Girouard, Raymond E., Danville, Ill. Display device for merchandise carrying cards and the like. 2,626,061, Jan. 20.

Giroz, Henri E., Paris, France. Adjustable airplane-helicopter airscrew. 2,664,168, Dec. 29.

Girschowitch, Charles I., New York, N. Y. Window sill. 2,663,389, Dec. 22.

Girton, Lona G.: *See*—
Higbee, Eliza H., and Girton.

Girton, Paul K., Millville, Pa. Fountain brush for sanitary pipe washing equipment. 2,626,413, Jan. 27.

Girvin, Murray D.: *See*—
Peebles, David D., and Girvin.

Gisholt Machine Company, assignee: *See*—
Godfriaux, Louis E.
Godfriaux, Louis E., and Johnson.
Johnson, Charles H.
Leifer, Lorenz A., and Johnson.
Pomeroy, Jack L.
Pomeroy, Jack L., and Eddison.
Sperisen, Ernest.
Weaver, Ira A.
Weaver, Ira A., and Phelps.

Gisiger, Armin, Selzach, Switzerland. Safety lock. 2,628,491, Feb. 17.

Gislon, André, Paris, and J. Quiquerez, Saint-Cloud, assignors to Societe Anonyme dite Compagnie Francaise de Raffinage, Paris, France. Refining petroleum products. 2,659,691, Nov. 17.

Gisvold, Ole, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Dehydrobicatechols. 2,651,644, Sept. 8.

Giudicelli, Pierre R. L.: *See*—
Chabrier, Pierre, Giudicelli, and Génot.

Giuffrida, Philip: *See*—
Shaw, Burton E., and Giuffrida.

Giuffrida, Philip, Lawrence, assignor to Photoswitch Incorporated, Cambridge, Mass. Gate switch. 2,624,813, Jan. 6.

Giuffrida, Philip, Lawrence, and B. E. Shaw, East Boxford, assignors to Combustion Control Corporation, Cambridge, Mass. Thermal switch. 2,643,311, June 23.

Giulioli, Louis, Okmulgee, Okla., and T. A. Insollo, Ellwood City, assignors to American Window Glass Company, Pittsburgh, Pa. Bulb-edge glass-cutting mechanism. 2,659,148, Nov. 17.

Giuseffi, Vincent, South Orange, N. J. Folding bed mechanism. 2,663,032, Dec. 22.

Givaudan Corporation, The, assignee: *See*—
Voegeli, Roland-Carlo.

Given Machinery Company, assignee: *See*—
Jordan, Hans.

Givens, Hugh, assignee: *See*—
Baker, Robert N.

Givens, John H., Meriden, and L. Rose and E. J. Whyte, Coventry, assignors to Courtaulds Limited, London, England. Rayon spinning machinery. 2,658,254, Nov. 10.

Givens, Perry J., assignor to R. O. Stekoll, Houston, Tex. Valve. 2,633,326, Mar. 31.

Givens, Reuben H., Jr., and C. G. Pruett, Long Beach, Calif. Traffic signal. 2,628,679, Feb. 17.

Givnan, James D., assignee: *See*—
Blosick, Thomas J.

Giwosky, Harry L., assignor to The Coleman Company, Inc., Wichita, Kans. Valve structure for gas burners. 2,629,394, Feb. 24.

Gjostein, Nils, New York, N. Y., assignor to Federal Carton Corporation, North Bergen, N. J. Jogging device for piled sheets. 2,626,147, Jan. 20.

Glabe, Elmer F., assignor to Food Technology, Inc., Chicago, Ill. Meat product. 2,635,963, Apr. 21.

Glacier Metal Company Limited, The, assignee: *See*—
Fulton, Hugh W., Stead, and More.

Gladden, John N., Glendale, Calif. Valve structure. 2,645,451, July 14.

Gladding, McBean & Co., assignee: *See*—
Le Clercq, Leon J.
Zinszer, William K.

Gladfelter, Wiltie I., and R. R. Garver, assignors to Pangborn Corporation, Hagerstown, Md. Plate blasting machine. 2,629,207, Feb. 24.

Gladis, Cyril M., Butler, Pa., assignor, by mesne assignments, to Dearborn Motors Corporation, Highland Park, Mich. Flow adjusting means for fertilizer distributors. 2,639,061, May 19.

Gladrow, Elroy M.: *See*—
Kimberlin, Charles N., Jr., and Gladrow.

Gladstein, Beulah O., Louisville, Ky. Doll and doll pocket therefor. 2,628,452, Feb. 17.

Gladu, Charles H., Pawtucket, R. I. Saw clamp. 2,647,418, Aug. 4.

Gladville, Glenn V., Massillon, Ohio. Silo construction. 2,648,217, Aug. 11.

Gladwell, Orville B.: *See*—
Hartman, Vern, and Gladwell.

Glaeser, Alfred L., Claymont, assignor to Hercules Powder Company, Wilmington, Del. Apparatus for pyrolyzing reactants. 2,653,859, Sept. 29.

Glance, William S., White Haven, Pa. Lighted cigarette holder. 2,626,613, Jan. 27.

Glantz, Saul J., assignor to Ruth Smith Enterprises, Inc., Cleveland, Ohio. Dispensing brush. 2,636,203, Apr. 28.

Glanville, Charles R., H. F. Dunlap, and E. W. Shuler, Jr., Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa. Method and apparatus for determining chracteristics of earth formations. 2,645,752, July 14.

Glanzer, Clarence J., Northfield, assignor to Air-Maze Corporation, Cleveland, Ohio. Deaerator for oil or the like. 2,639,779, May 26.

Glascock, Harry, Los Angeles, Calif. Exhauster mechanism. 2,630,056, Mar. 3.

Glas-Col Apparatus Co., Inc., assignee: *See*—
Morey, Glen H.

Glasener, Carl R.: *See*—
Willard, Alfred R., Glasener, Haak, and Young.

Glaser, Albert, Zurich, Switzerland. Fishing reel. 2,650,040, Aug. 25.

Glasgow, Clarence O.: *See*—
Walker, Jay P., and Glasgow.

Glasgow, Clarence O., assignor to National Tank Company, Tulsa, Okla. Horizontal separator. 2,656,896, Oct. 27.

Glasgow, Clarence O., assignor to National Tank Company, Tulsa, Okla. Horizontal separator. 2,657,760, Nov. 3.

Glasgow, Clarence O., and J. L. Maher, assignors to National Tank Company, Tulsa, Okla. Means for heating vessels. Re. 23,628, Mar. 10.

Glasgow, Clarence O., and J. L. Maher, assignors to National Tank Company, Tulsa, Okla. Means for heating vessels. 2,625,915, Jan. 20.

Glashaw, Frank L., St. Ignace, Mich. Fluid pressure actuated articulated boom. 2,639,048, May 19.

Glas-Kraft Inc., assignee: *See*—
Rounseville, Ellsworth A., and Estee.

Glasner, Rudolph W., assignor to Clearing Machine Corporation, Chicago, Ill. Forming press. 2,633,765, Apr. 7.

Glass, Ann T., executrix: *See*—
Glass, Thomas A.

Glass, Antonina S., assignee: *See*—
Glass, George B.

Glass Containers, Inc., assignee: *See*—
Boschin, Walter E.

Glass, George B., assignor to A. S. Glass, New York, N. Y. Self-propelled automatic syringe. 2,627,270, Feb. 3.

Glass, John, Jr., New York, N. Y., R. J. Heath, and C. F. Woller, Muskegon, Mich. Pliers for split shot. 2,656,746, Oct. 27.

Glass, Karl B., Paso Robles, Calif. Automobile truck direction indicator. 2,625,900, Jan. 20.

Glass, Loyd, Canton, and B. G. Purtle, Elmwood, Ill. Tractor safety control means. 2,660,715, Nov. 24.

Glass, Marvin I., assignee: *See*—
Goldfarb, Adolph.

Glass, Marvin I., Chicago, Ill. Hammer toy. 2,646,646, July 28.

Glass, Marvin I., J. W. Ehemann, and M. R. Kraus, Chicago, Ill. Toy kangaroo. 2,651,881, Sept. 15.

Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Electrical control circuit. 2,634,395, Apr. 7.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Voltage translating means. 2,644,085, June 30.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Function generator. 2,649,542, Aug. 18.

Glass, Thomas A., deceased, Los Angeles, Calif.: A. T. Glass, executrix. Backflow preventer. 2,654,388, Oct. 6.

Glasser, Charles F., Salladasburg, Pa. Trap. 2,652,656, Sept. 22.

Glasser, Charles F., Salladasburg, Pa. Punching bag apparatus. 2,659,603, Nov. 17.

Glasser, Charles J., Chicago, Ill. Metabolism testing apparatus. 2,633,843, Apr. 7.

Glasser, Eric, assignee: *See*—
Finch, Percy R.

Glassey, Philip P. Cazenovia, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Door construction for tumbler type washing machines. 2,650,490, Sept. 1.

Glass Fibers, Inc., assignee: *See*—
Labino, Dominick.
Toulmin, Harry A., Jr.

Glassgold, Solomon S., Baltimore, Md. Pile repair caisson. 2,636,354, Apr. 28.

Glassine Paper Company, assignee: *See*—
Cowle, Ira C., and Purcell.

Glassner, Charles W., Akron, Ohio. Burial casket. 2,655,712, Oct. 20.

Glasson, John G., San Anselmo, assignor to Merco Centrifugal Co., San Francisco, Calif. Continuous centrifuge of the type having an underflow return circuit. 2,625,321, Jan. 13.

Glassow, Franklyn A., assignor to Barber-Colman Company, Rockford, Ill. Resistance unit. 2,643,316, June 23.

Glatter-Götz, Joseph, Schwarzach, Vorarlberg, Austria, assignor to H. Hancock, Pines Lake, N. J. Reservoir for pipe or reed organs. 2,633,046, Mar. 31.

Glatter-Götz, Joseph, Schwarzach, Vorarlberg, Austria, assignor to H. Hancock, Pines Lake, N. J. Differential tremulant. 2,633,047, Mar. 31.

Glauber, Henry, assignor of one-third to M. Falk, New York, N. Y. Portable armrest device. 2,642,117, June 16.

Glavin, Thomas A., assignee: *See*—
White, Ara L.

Glaxo Laboratories Limited, assignee: *See*—
Evans Ronald M., and Chapman.
Smith, Ernest L., and Ball.

Glaza, Thaddeus J., assignor to Crane Co., Chicago, Ill. Combined pipe-line switch and diverter. 2,639,196, May 19.

Glaze, Herbert L., South Pasadena, and R. C. Beltz, Glendale, Calif., assignors, by mesne assignments, to Read Standard Corporation. Selective distributing apparatus. 2,642,177, June 16.

Glaze, Paul E., Gorgas, Ala., assignor of one-fourth to M. H. Fies, one-fourth to H. M. Johnstone, and one-fourth to J. W. Shealey. Railway car shaker. 2,654,490, Oct. 6.

Glazebrook, James R., New York, N. Y., and A. T. Wille, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Brake shoe and assembling. 2,644,551, July 7.

Glazebrook, Robinson C.: *See*—
Lindan, Fred I., and Glazebrook.

Glazer, Daniel, assignor to Frigie Corporation of America, Chicago, Ill. Stick-holding device. 2,626,830, Jan. 27.

Glazer, Daniel, Chicago, Ill. Molding. 2,638,632, May 19.

Glazer, Guilford: *See*—
Jones, Harry W., and Glazer.

Gleaner Harvester Corporation, assignee: *See*—
Oberholtz, Lester E.
Oberholtz, Lester E., and Allen.

Gleasman, Vernon E., Elmira, N. Y. Hypoid differential gear. 2,628,508, Feb. 17.

Gleasman, Vernon E., Elmira, N. Y. Differential. 2,631,475, Mar. 17.

Gleasman, Vernon E., Elmira, N. Y. Rotary lock joint. 2,636,760, Apr. 28.

Gleason, Anthony H.: *See*—
Nelson, Joseph F., and Gleason.
Sparks, William J., Gleason, and Frolich.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Synthetic drying oil and enamel paint and making same. 2,652,342, Sept. 15.

Gleason, Daniel H., Mountain Lakes, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Acceleration switch delayed arming fuse. 2,642,801, June 23.

Gleason, Frederick C.: *See*—
Foley, James F., and Gleason.

Gleason, Frederick C., Montpelier, Vt. Sorting machine. 2,656,054, Oct. 20.

Gleason, Howard S., Rochester, N. Y., assignor to Stromberg-Carlson Company. Control device. 2,627,056, Jan. 27.

Gleason, Howard S., Rochester, N. Y., assignor to Stromberg-Carlson Company. Locking and release mechanism for multiposition units. 2,630,364, Mar. 3.

Gleason, John M.: *See*—
Aller, Edmund R., Gleason, and Matolin.
Talmey, Paul, and Gleason.

Gleason, Paul G., Van Nuys, Calif. Engraving machine. 2,631,375, Mar. 17.

Gleason, Thomas C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Joist-suspended furnace structure. 2,654,360, Oct. 6.

Gleason, Thomas C., and R. H. Smith, Detroit, and M. J. Isley, Berkeley, assignors to Chrysler Corporation, Highland Park, Mich. Air heating furnace. 2,638,086, May 12.

Gleason Works, assignee: *See*—
Bauer, Oliver F.
Candee, Allan H.
Donohoe, Martin A.
Johnson, Olaf A.
McMullen, Frederick E., and Peck.
Wildhaber, Ernest.

Gleason Works, The, assignee: *See*—
Stewart, Arthur L.
Wildhaber, Ernest.

Gledhill, Alvin F., Seattle, and L. R. Lewis, Kirkland, assignors to F. L. and L. R. Lewis, doing business as L. R. Lewis Co., Seattle, Wash. Shake board resawing machine. 2,659,396, Nov. 17.

Gledhill, John H., Philadelphia, Pa. Insulator clevis attachment. 2,649,319, Aug. 18.

Gleeson, William S.: *See*—
Pankuch, William J., and Gleeson.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Adhesive composition. 2,630,420, Mar. 3.

Glen, William L., Baie d'Urfe, G. S. Myers, Ville St. Laurent, and G. Papineau-Couture, Montreal, assignors to Ayerst, McKenna & Harrison, Limited, Quebec, Quebec, Canada. Preparation of a hypotensive agent from veratrum viride. 2,649,442, Aug. 18.

Glenbrooke Manufacturing Company of Connecticut, Incorporated, assignee: *See*—
Meline, Irving.

Glendenning, Everett B.: *See*—
Wies, Calmy, Caron, and Glendenning.

Glendenning, Everett B., Cranford, N. J., and C. Wies, New York, N. Y., and J. B. R. Caron, North Plainfield, N. J., assignors to Shell Development Company, San Francisco, Calif. Anticlogging fuel oil compositions. 2,639,227, May 19.

Glendinning, Alexander Y.: *See*—
Sullivan, Robert, Glendinning, and Read.

Glen Haven Memorial Park, assignee: *See*—
Garrison, Marion A.

Glenn, Annie M., trustee, assignee: *See*—
House, Samuel G., and Hobbs.

Glenn, Charles W., assignee: *See*—
Wagner, Willard F.

Glenn, Harry D.: *See*—
Hunter, Byron A., and Glenn.

Glenn, Harry D., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Production of gas-expanded organic plastics. 2,634,243, Apr. 7.

Glenn, Harry D., and I. Mankowich, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Vulcanization accelerators. 2,640,088, May 26.

Glenn, Harry D., Naugatuck, Conn., and L. Menser, Baton Rouge, La., assignors to United States Rubber Company, New York, N. Y. Prevention of decomposition of chloroalkyl aryloxyalkyl sulfites. 2,644,008, June 30.

Glenn, Howard: *See*—
Zaugg, Harold E., Glenn, and Freifelder.

Glenn, Irving G., New York, N. Y. Electric heater. 2,639,359, May 19.

Glenn, John C., administrator: *See*—
Lebrun, Paul.

Glenn, Marlow, San Francisco, Calif. Time zone indicator system. 2,662,368, Dec. 15.

Glentzer, Kenneth V.: *See*—
Carter, Robert W., Currier, Emig, and Glentzer.

Glenz, Karl, assignor to Durand & Huguenin A. G., Basel, Switzerland. Stable water-soluble salts of sulfuric acid esters of leuco-anthraquinone azo-dyestuffs. 2,647,112, July 28.

Glew, Kermit, San Jose, Calif. Tape dispenser. 2,664,252, Dec. 29.

Gleyzal, André N., Cleveland, Ohio. Electrical calculator. 2,639,089, May 19.

Glick, Sylvan G., Schenectady, N. Y., assignor to General Electric Company. Liquid level regulating apparatus. 2,627,366, Feb. 3.

Glickman, Mannes N., Nutley, N. J. Electric switch. 2,641,669, June 9.

Glickman, Mannes N., M. Klebanoff and S. W. Neldorf, Nutley, N. J. Hermetic seal having floatingly mounted socket contacts. 2,638,573, May 12.

Glickman, Samuel A.: *See*—
Buc, Saul R., and Glickman.
Wynn, Robert W., and Glickman.

Glickman, Samuel A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing arylaminomethylenemalonates. 2,638,480, May 12.

Glidden Company, The, assignee: *See*—
Allan, Benjamin W., and Rummery.
Bain, Walter M.
Blum, John E.
Drapeau, Joseph E., Jr., and Barber.
Julian, Percy L., Iveson, and McCleland.
Julian, Percy L., Meyer, and Ryden.
Millar, Ronald L.
Schwartzberg, Hyman.
Welker, Paul L., Boddington, and Woodruff.

Glidden, Galen M., Wheaton, assignor to Acme Protection Equipment Company, Chicago, Ill. Exhaust valve for gas masks. 2,655,175, Oct. 13.

Gliss, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Extruder. 2,653,352, Sept. 29.

Glit-O-Ring, Inc., assignee: *See*—
Eggleton, Cecil E.

Globe Automatic Sprinkler Company of Pennsylvania, assignee: *See*—
Rowley, Arthur C.

Globe Company, The, assignee: *See*—
Bilek, Frank J.
Swanback, John H., and Jensen.

Globe, Harold, Beverly Hills, Calif. Grindings catcher and shield. 2,637,852, May 12.

Globe Hoist Company, assignee: *See*—
Thompson, Elmer B.

Globe Industries, Inc., The, assignee: *See*—
Stein, Robert A.
Wasserman, Lee S.

Globe Oil Tools Company, assignee: *See*—
Smith, Edward M., Whittaker, and Goodwin.

Globe Products Heat Seal Corporation, assignee: *See*—
Reitzes, Herbert L.

Globe-Union Inc., assignee: *See*—
Coldwell, John S.
Glueckstein, Henry J., and Volkmann.
Khouri, Alfred S.
Kilby, Jack S., and Khouri.
Suter, George D.
Weideman, Bernard A.
Whitcomb, Henry F., Jr.

Globe-Wernicke Co., The, assignee: *See*—
MacDonald, Angus S.
Thomson, Ernest F.

Gloess, Paul F. M., Paris, and F. H. Raymond, Le Vesinet, assignors to Societe d'Electronique et d'Automatisme, Paris, France. Operating circuits for coded electrical signals. 2,635,229, Apr. 14.

Gloess, Paul F. M., and L. J. Libois, Paris, France. Delay line decoder. 2,641,698, June 9.

Gloess, Paul F. M., and L. J. Libois, Paris, France. Multiplex pulse time modulation system. 2,641,699, June 9.

Glo-Lure, Inc., assignee: *See*—
Fisher, Jesse.

Glomb, John S., Barberton, assignor of one-half to T. C. Dethloff, Akron, Ohio. Cultivator. 2,659,290, Nov. 17.

Gloria Figure, Inc., assignee: *See*—
Sievers, Robert.

Gloss, Richard G., Cranston, R. I. Clasp device. 2,635,318, Apr. 21.

Glotfelter, Herman E., Indianapolis, Ind. Combined desk and safe. 2,664,331, Dec. 29.

Glover, Bill, Incorporated, assignee: *See*—
Glover, William C., Jr., and Stevens.

Glover, Howard L., Chicago, Ill. Manufacturing cork gaskets. 2,644,197, July 7.

Glover, Leonard: *See*—
Trowbridge, David R., and Glover.

Glover, Ray E., West Sacramento, Calif. Fuel feeding device for internal-combustion engines. 2,628,634, Feb. 17.

Glover, Robert L., Poland, Ohio. Vibration device. 2,660,067, Nov. 24.

Glover, W. T., & Company Limited, assignee: *See*—
Davey, Edward L.

Glover, William C., Jr., Lees Summit, and E. G. Stevens, Independence, Mo., assignor to Bill Glover, Incorporated. Device for tempering steam. 2,651,511, Sept. 8.

Glowmeter Corporation, assignee: *See*—
Mihalakis, Agis I.

Glowzinski, Chester J.: *See*—
Kawecki, Henry S., and Glowzinski.

Gloyer, Stewart W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Liquid-liquid fractionation of glyceride oils. 2,646,439, July 21.

Gloyer, Stewart W., and H. A. Vogel, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Treatment of tall oil. 2,640,823, June 2.

Gloyer, Walter, La Grange, Ill., assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,663,170, Dec. 22.

Glubiak, Casper, New York, N. Y. Key ejecting device. 2,659,231, Nov. 17.

Gluck, Arthur P.: *See*—
Simon, Alfonso J., Jr., and Gluck.

Gluckin, Harry, deceased, New York, N. Y.; by L. Gluckin, C. Turner, and C. Rosenbaum, executors. Brassière. 2,630,572, Mar. 10.

Gluckin, Lawrence, executor: *See*—
Gluckin, Harry.

Glueckstein, Henry J., Waukesha, and W. B. Volkmann, assignors to Globe-Union Inc., Milwaukee, Wis. Coupling for ganged rotatably controlled units. 2,648,555, Aug. 11.

Gluesenkamp, Earl W.: *See*—
Patrick, Tracy M., Jr., and Gluesenkamp.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Aromatic ester amides. 2,624,755, Jan. 6.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Porous compositions utilizing N-carboxyamino-acid anhydride. 2,658,043, Nov. 3.

Gluesenkamp, Earl W., Centerville, and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Making 1,3,3-trichloroallyl chloroacetate. 2,630,453, Mar. 3.

Gluesenkamp, Earl W., and G. E. Ham, Dayton, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Fiber-forming copolymer. 2,637,721, May 5.

Gluesenkamp, Earl W., Centerville, and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Diketones and their preparation. 2,637,742, May 5.

Glusenkamp, Earl W., and A. B. Craig, Dayton, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Fiber-forming polymers. 2,643,992, June 30.

Gluyas, Thomas M., Jr., Collingswood, and F. H. Schneider, Westville, N. J., assignors to Radio Corporation of America. Tuned circuit. 2,629,013, Feb. 17.

Glymph, Eakin M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Purifying and concentrating hevea rubber latex. 2,626,969, Jan. 27.

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Top-capping heavy-duty tires. 2,625,199, Jan. 13.

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Placing a tire in and removing same from a mold. 2,639,466, May 26.

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Tire gauging device. 2,650,437, Sept. 1.

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Tire locating ring assembly for retreading molds. 2,659,104, Nov. 17.

Glynn, Emmett P., Chicago, Ill., and B. F. Hofferth, Ames, Iowa, assignors to Armour and Company, Chicago, Ill. Treating tall oil. 2,662,849, Dec. 15.

Glynn, Theodore W., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Electrical connector for resistance elements on glass plates. 2,644,066, June 30.

Glynn, Thomas, West Haven, and J. W. Cleever, Milford, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Composition roller skate wheel. 2,664,317, Dec. 29.

Glynn, William B., Menlo Park, Calif. Self-elevating sprinkler head and system. 2,639,941, May 26.

Glyptis, Nicholas D., Chicago, Ill. Photorelay circuit. 2,627,036, Jan. 27.

Gmeiner, Harry H., executor: *See*—
Minor, Charles G.

Gmoser, Carl H., Maspeth, and E. M. Gardner, Brooklyn, assignors to Merrill Brothers, New York, N. Y. Adjustable lifting clamp. 2,647,007, July 28.

Gniadecki, Edward S., Chicago, Ill. Fishing line drying reel. 2,644,649, July 7.

Gobat, André R.: *See*—
Warner, Arthur J., and Gobat.

Gobel, Charles, Philadelphia, Pa. Tool carrier and toolholder. 2,631,357, Mar. 17.

Gobin, René G., assignor to J. Lory, Paris, France. Powder dispenser for attached powder puff. 2,664,226, Dec. 29.

Goble, Ralph W., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Method of and apparatus for the measurement of distance or time interval by the use of compressional waves in the so-called supersonic range. 2,631,270, Mar. 10.

Goble, Ralph W., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Temperature measuring and indicating apparatus. 2,649,715, Aug. 25.

Goble, Ralph W., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Well bore caliper having linear electrical response. 2,649,786, Aug. 25.

Goble, Ralph W., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Apparatus for calipering well bores. 2,656,613, Oct. 27.

Gochenour, Benjamin F., Woodstock, Va. Implement holding device. 2,661,920, Dec. 8.

Godbold, Nat H., Idaho Falls, Idaho, assignor to the United States of America as represented by the United States Atomic Energy Commission. Electromagnetic fluid pump. 2,655,107, Oct. 13.

Godbout, Joseph R., Washington, D. C. Accelerator control for automobiles. 2,624,433, Jan. 6.

Goddard, Charles H., Newburyport, Mass. Producing glass plaques. 2,658,311, Nov. 10.

Goddard, Charles T., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device of the cavity resonator type. 2,635,207, Apr. 14.

Goddard, Charles T., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Electrode support and spacing structure for electron discharge devices. 2,663,819, Dec. 22.

Goddard, Edward H.: *See*—
Wright, Otis A., Godard, and Cole.
Wright, Otis A., Goddard, and Wilkinson.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Proportionate flow control by balanced magnetic force. 2,624,360, Jan. 6.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Venturi control for liquid flow. 2,627,876, Feb. 10.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Means for cooling the blades of turbine rotors. 2,628,064, Feb. 10.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Device for feeding liquid combustion agents to a combustion chamber used in propulsion apparatus. 2,630,674, Mar. 10.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Augmenting and reflecting conical combustion chamber. 2,630,680, Mar. 10.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Propulsion apparatus actuated by successive charges of detonating materials. 2,633,699, Apr. 7.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber for propulsion apparatus and having multiple discharge nozzles. 2,633,700, Apr. 7.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion chamber with target recess for use in rocket apparatus. 2,633,706, Apr. 7.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Means for cooling turbine blades by air. 2,641,040, June 9.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worchester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Propulsion apparatus actuated by successive charges of detonating materials. 2,651,171, Sept. 8.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass. Two-liquid combustion chamber for rocket apparatus. 2,654,997, Oct. 13.

Godeas, Marcello S., Seville, Spain. Electric storage battery. 2,653,984, Sept. 29.

Godeck, John E., Esher, assignor to Brecomin (England) Limited, Gillingham, England. Drive for winding mechanism. 2,652,910, Sept. 22.

Godeck, John E., Esher, assignor to Brecomin (England) Limited, Gillingham, England. Magazine arrangement for record-receiving material in strip or wire form. 2,652,988, Sept. 22.

Godeck, John E., Esher, assignor to Brecomin (England) Limited, Gillingham, England. Electric dictation installation. 2,653,190, Sept. 22.

Godeck, John E., assignor to A. C. Cossor Limited, London, England. Position indicating system. 2,663,014, Dec. 15.

Godenir, Albert, assignor to The Cementation Company Limited, London, England. Tamping machine. 2,646,729, July 28.

Godfrey, Charles E., Batavia, Ill., assignor to American Brake Shoe Company, New York, N. Y. Track spike with circumferentially extending deformable projection. 2,650,032, Aug. 25.

Godfrey, George Sir, & Partners (Holdings) Limited, assignee: *See*—
Jamieson, Archie W. H.

Godfrey, Harold R.: *See*—
Braden, Frank I., and Godfrey.

Godfrey, John D., Cincinnati, Ohio. Fuel preheating and mixing device. 2,633,837, Apr. 7.

Godfrey, Ronald G., Southport, and F. J. Krajcik, Bridgeport, Conn., assignors to General Electric Company. Angle socket for electric lamps. 2,655,637, Oct. 13.

Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Turn milling machine. 2,650,522, Sept. 1.

Godfriaux, Louis E., and C. H. Johnson, assignors to Gisholt Machine Company, Madison, Wis. Automatic turret indexing mechanism for lathes. 2,635,326, Apr. 21.

Godillon, Raymond, Joinville-le-Pont, France, assignor to L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude. Clutch device. 2,663,200, Dec. 22.

Godley, Philip, 2nd: *See*—
Chadsey, Earl E., Jr., Clough, and Godley.

Godley, Philip, 2nd, Lexington, and P. J. Clough, Reading, assignors to National Research Corporation, Cambridge, Mass. Coating. 2,629,807, Feb. 24.

Godman, H. C., Company, The, assignee: *See*—
Weber, Donald P.

Godsey, Jack M., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Jet fuel containing t-butyl thiophene. 2,645,568, July 14.

Godsey, Jack M., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Jet combustion fuel. 2,645,569, July 14.

Godsey, Jack M., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Jet combustion fuel. 2,647,046, July 28.

Godwin, Lee: *See*—
Dukes, Charles F., and Godwin.

Godwin, William S., Baltimore, Md. Road joint. 2,634,660, Apr. 14.

Goebel Aktiengesellschaft, assignee: *See*—
Säuberlich, Willy.

Goebel, Charles G., assignor to Emery Industries, Inc., Cincinnati, Ohio. Manufacturing polymerized fatty acids. 2,664,429, Dec. 29.

Goebel, Ernst: *See*—
Höfges, Heinz, and Goebel.

Goebel, Herman L., assignor to Mitchell Manufacturing Company, Chicago, Ill. Lighting fixture which may be used individually or attached to similar fixture. 2,625,646, Jan. 13.

Goebel, Max T., Rocky River, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Heterogeneous, acidic hydrolysis of polymeric esters. 2,629,713, Feb. 24.

Goebel, Paula, San Francisco, Calif. Garment. 2,638,595, May 19.

Goebel, Robert S.: *See*—
Bruce, Ralph E., and Goebel.

Goede, Charles F., New Philadelphia, Ohio, assignor to Joy Manufacturing Company. Axial flow fan. 2,639,087, May 19.

Goede, William P., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Close-quarter peen. 2,637,228 May 5.

Goedken, Ray, Dyersville, Iowa. Linoleum lifter. 2,652,207, Sept. 15.

Goedkoop, Martinus L., Geleen, assignor to De Directie van de Staatsmijnen in Limburg, handelend voor en namens de Staat der Nederlanden, Heerlen, Netherlands. Manufacture of polycarboxylic acids. 2,640,075, May 26.

Goeller, Vernon R., assignor of one-half to N. V. Grimes, Mountain Lakes, N. J. Wheel chair adapted for optional operation by power or manually. 2,635,703, Apr. 21.

Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic adjusting device. 2,624,426, Jan. 6.

Goering, Hans G.: *See*—
Schneider, Helmuth G., and Goering.

Goering, Kenneth J., Bozeman, Mont., and V. C. Bruski, Linden, N. J., assignors to Research Corporation, New York, N. Y. Concentration of amylolytic enzymes. 2,651,593, Sept. 8.

Goers, Edwin C., Wausau, assignor to Marathon Corporation, Rothschild, Wis. Carton. 2,650,751, Sept. 1.

Goertz, Raymond C., Elmhurst, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Remote-control manipulator. 2,632,574, Mar. 24.

Goertz, Raymond C., Hempstead, N. Y., and H. L. Hull, York, Pa., assignors to The Sperry Corporation. Computing gun sight. 2,660,794, Dec. 1.

Goertz, Richard J.: *See*—
Uraneck, Carl A., and Goertz.

Goeske, Charles J., Henryetta, Okla. Attachment for lawn mowers. 2,639,572, May 26.

Goett, Edward J., New York, E. E. MacDonough, Jr., Brooklyn, and C. J. Salivar, Malverne, assignors to Chas. Pfizer & Co., Inc., New York, N. Y. Vitamin A acetate gelatin beadlets. 2,643,209, June 23.

Goett, John J., New York, and S. W. Ensminger, Brooklyn, N. Y., assignors to Chas. Pfizer & Co., Inc. Streptomycin broth clarification with sequestering agents. 2,656,347, Oct. 20.

Goetz, Carlos C., assignee: *See*—
Goetz, Paul C.

Goetz, Eric M., Manchester, N. H. Stitched case. 2,661,823, Dec. 8.

Goetz, Ernest F.: *See*—
Bedford, Alexander W., Jr., and Goetz.

Goetz, Ernest F., Schenectady, N. Y., assignor to General Electric Company. Rheostat operating mechanism. 2,660,650, Nov. 24.

Goetz, Henry G., Short Hills, and H. F. Ruschmann, Bernardsville, N. J. Precision strip feed mechanism. 2,626,146, Jan. 20.

Goetz, Paul C., Omaha, Nebr., assignor of one-half to C. C. Goetz, New York, N. Y. Reviving pictures and the resultant articles. 2,644,261, July 7.

Goff, Harold W., Manhasset, N. Y. Marine pedometer. 2,652,803, Sept. 22.

Goff, John W., St. Paul, Minn. Poultry watering device. 2,654,346, Oct. 6.

Goff, William H.: *See*—
McKinley, John K., Scott, Goff, and Nelson.

Goff, William S., assignor to The Clark Manufacturing Company, Cleveland, Ohio. Vapor trap. 2,637,335, May 5.

Goff, William S., assignor to The Clark Manufacturing Company, Cleveland, Ohio. Vapor trap. 2,658,517, Nov. 10.

Goffredo, Daniel L., Easton, Pa. Etching process. 2,647,864, Aug. 4.

Goguen, Albert C., West Newton, Mass. Device for cleaning Venetian blinds. 2,663,046, Dec. 22.

Goguen, Joseph A., West Warwick, R. I. Cravat. 2,654,095, Oct. 6.

Goheen, Herman M., Lansing, Mich. Distributing and venting header. 2,652,069, Sept. 15.

Gohlke, Gerhard A.: *See*—
Neuhart, Frederick C., and Gohlke.

Gohm, William H., Sr., Saginaw, Mich. Portable router-type mortising device. 2,663,335, Dec. 22.

Gohner, Edouard, assignee: *See*—
Grüring, Alfons.

Gohorel, Fernand P., Antony, France, assignor to International Standard Electric Corporation, New York, N. Y. Route-selecting automatic telephone system. 2,642,499, June 16.

Gohorel, Fernand P., Antony, France, assignor to International Standard Electric Corporation, New York, N. Y. Automatic telephone system. 2,660,620, Nov. 24.

Gohr, Edwin J., New York, N. Y., and H. Z. Martin, Cranford, C. E. Jahnig, Red Bank, C. W. Tyson, Summit, and J. M. Graham, Plainfield, N. J., assignors to Standard Oil Development Company. Shutting-down catalytic apparatus employed for the conversion of hydrocarbons. 2,655,466, Oct. 13.

Goins, Perry L., Salem, Va. Machine for making hammer handles. 2,661,038, Dec. 1.

Goins, Robert R.: *See*—
Robinson, Sam P., and Goins.

Goins, Robert R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heating and reaction chamber. 2,635,864, Apr. 21.

Goins, Robert R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heat-exchanger. 2,635,990, Apr. 21.

Goland, Martin, and P. D. Wickersham, assignors to Midwest Research Institute, Kansas City, Mo. Automatic measuring apparatus and method. 2,650,057, Aug. 25.

Golay, Charles R., Cambridge City, Ind. Scrap metal baler. 2,644,351, July 7.

Golay, Marcel J. E., West End, N. J. Monochromator. 2,631,489, Mar. 17.

Gold, Byrd M., Tampa, Fla. Spinnerflex mowing machine cutterhead. 2,654,986, Oct. 13.

Gold, Fred, assignee: *See*—
Riderman, Rudolph.

Gold, Harold, East Cleveland, and D. M. Straight, Cleveland, Ohio. Fluid control system. 2,643,663, June 30.

Gold, Jack, assignee: *See*—
Taylor, Bernardo E.

Gold, Nat, Newark, N. J., assignor to Nu-Dent Porcelain Studios, Inc., New York, N. Y. Apparatus for vacuum firing of porcelain dental articles. 2,636,915, Apr. 28.

Gold, Samuel, Boston, Mass. Hook closure for trouser flies. 2,631,293, Mar. 17.

Gold, William, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Apparatus for plugging test tubes and the like. 2,624,499, Jan. 6.

Goldbach, Frank P., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Navigation counter. 2,661,903, Dec. 8.

Goldberg, Aaron S., New York, assignor to Nepera Chemical Co., Inc., Yonkers, N. Y. 4-amino-5-benzylpyrimidine compounds. 2,649,448, Aug. 18.

Goldberg, Aaron S., New York, assignor to Nepera Chemical Co., Inc., Yonkers, N. Y. 2-cyclohexylamino-4-amino-5-benzylpyrimidine. 2,649,449, Aug. 18.

Goldberg, Abraham G., Chestnut Hill, Mass. Bassinet for automobiles. 2,629,109, Feb. 24.

Goldberg, Alan A., Hampstead, London, and D. M. Besly, Wells, assignors to Ward Blenkinsop & Company Limited, London, England. Manufacture of meso-halogeno-aza-acridines. 2,650,225, Aug. 25.

Goldberg, Arnold: *See*—
Rosenberger, Albert J., and Goldberg.

Goldberg, Bernard W.: *See*—
Troeger, Henry, and Goldberg.

Goldberg, Bertrand, assignor to Pressed Steel Car Company, Inc., Chicago, Ill. Wood cellular laminated railway car. 2,642,817, June 23.

Goldberg, David C., and R. E. Schafer, assignors to Hamilton Watch Company, Lancaster, Pa. Hardness tester. 2,662,397, Dec. 15.

Goldberg, David N., Wheeling, W. Va. Drill press attachment. 2,642,760, June 23.

Goldberg, David N., Wheeling, W. Va. Drill press attachment. 2,642,761, June 23.

Goldberg, Edwin A.: *See*—
Serrell, Robert, and Goldberg.

Goldberg, Edwin A., Princeton Junction, N. J. assignor to Radio Corporation of America. Electronic switch. 2,632,046, Mar. 17.

Goldberg, Edwin A., Princeton Junction, N. J., assignor to Radio Corporation of America. Coincidence indicator. 2,632,845, Mar. 24.

Goldberg, Emanuel, Tel Aviv, Israel, assignor to Bell & Howell Company. Photographic copying apparatus. 2,652,744, Sept. 22.

Goldberg, Ernest W., Chicago, Ill. Picture projector. 2,625,077, Jan. 13.

Goldberg, Harold D. and M. I., Bronx, N. Y. Area measuring device. 2,649,573, Aug. 18.

Goldberg, Harry H., Denver, Colo. Automatic clutch control means for press brakes. 2,626,030, Jan. 20.

Goldberg, Herman, Bartlett, assignor to Snow Manufacturing Company, Bellwood, Ill. Machine tool. 2,646,700, July 28.

Goldberg, Joseph: *See*—
Dubin, Serrol, and Goldberg.

Goldberg, Joseph, executor: *See*—
Levenstein, Israel.

Goldberg, Julian E., assignee: *See*—
Kushner, Minna.

Goldberg, Max, assignee: *See*—
Goldberg, Robert J.

Goldberg, Max, New York, N. Y. Mattress filling machine. 2,639,073, May 19.

Goldberg, Max and R. J., New York, N. Y. Filling machine with endless belt conveyers for fibrous materials. 2,646,913, July 28.

Goldberg, Max and R. J., New York, N. Y. Compact filling machine operated by foldable linkage. 2,663,476, Dec. 22.

Goldberg, Max W., West Bend, assignor to Modern Equipment Company, Port Washington, Wis. Smoke and spark arrester for cupolas. 2,646,263, July 21.

Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Tens carry mechanism for accounting machines. 2,628,778, Feb. 17.

Goldberg, Milton I.: *See*—
Goldberg, Harold D. and M. I.

Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Bipiperidine derivatives. 2,624,734, Jan. 6.

Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 4,4'-polymethylene-bipiperidinium derivatives. 2,624,735, Jan. 6.

Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 2,2'-Polymethylene-bibiperidine compounds. 2,624,736, Jan. 6.

Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Piperidinium compounds. 2,624,737, Jan. 6.

Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Piperidinium compounds. 2,624,738, Jan. 6.

Goldberg, Moses W., Upper Montclair, and L. M. Jampolsky, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Bis-quaternary ammonium compounds. 2,624,763, Jan. 6.

Goldberg, Moses W., Upper Montclair, and W. E. Scott, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 1,4-dioxo-5-(nitrophenyl)-1,4,4a,5,8,8a-hexahydronaphthalenes. 2,626,960, Jan. 27.

Goldberg, Moses W., Upper Montclair, and S. Teitel, East Paterson, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Esters of di-aryl substituted acetic acids. 2,628,247, Feb. 10.

Goldberg, Moses W., Upper Montclair, and A. I. Rachlin, Hackensack, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Furans and production. 2,641,597, June 9.

Goldberg, Moses W., Upper Montclair, and A. I. Rachlin, Maywood, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Dibenzoylethylene compounds and producing the same. 2,641,599, June 9.

Goldberg, Moses W., Upper Montclair, and A. I. Rachlin, Maywood, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Furans and preparation. 2,641,601, June 9.

Goldberg, Moses W., Upper Montclair, and A. I. Rachlin, Maywood, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Substituted phenylazomalononitriles. 2,658,889, Nov. 10.

Goldberg, Nathan C., New York, N. Y. Spring mattress construction. 2,637,858, May 12.

Goldberg, Ralph, Denver, Colo. Storm window sash frame. 2,651,084, Sept. 8.

Goldberg, Robert J.: *See*—
Goldberg, Max and R. J.

Goldberg, Robert J., assignor of one-half to Max Goldberg, New York, N. Y. Filling machine having vertically reciprocable tamping arms and plunger. 2,639,072, May 19.

Goldberg, Samuel, Detroit, Mich. Self-cooling buffing wheel. 2,633,680, Apr. 7.

Goldberg, Samuel, assignor to Lyon, Incorporated, Detroit, Mich. Abrading wheel. 2,660,009, Nov. 24.

Goldberg, Walter, Jersey City, N. J. Wallpaper hanger. 2,658,639, Nov. 10.

Goldberger, Charles R., Brooklyn, N. Y. Making paintbrushes. 2,658,801, Nov. 10.

Goldberger, Gerald N., Flushing, and V. I. Robinson, Far Rockaway, assignors to Precision Apparatus Co., Inc., Elmhurst, N. Y. High-voltage multiplier probe. 2,641,630, June 9.

Golden, Victor, Somerville, N. J. Applying foamed rubber latex to a permeable backing. 2,629,919, Mar. 3.

Golden Bear Oil Co., assignee: *See*—
Rostler, Fritz S.

Goldenberg, Mitzi A., Philadelphia, Pa. Bottle support. 2,633,248, Mar. 31.

Goldenson, Jerome: *See*—
Gehauf, Bernard, and Goldenson.

Golden State Company, Ltd., assignee: *See*—
Kempf, Clayton A., and Blanchard.
Kempf, Clayton A., Neidlinger, Stewart, and Sharp.
Monk, John C., and Sharp.

Goldfarb, Adolph, assignor to M. I. Glass, Chicago, Ill. Toy fire boat. 2,628,451, Feb. 17.

Goldfarb, Bernard, Skokie, Ill. Rockable wheeled figure toy. 2,656,645, Oct. 27.

Goldhamer, Leo, Munich, Germany. Lens and shutter combination mounting. 2,649,024, Aug. 18.

Golding Bros. Company, Inc., assignee: *See*—
Lamport, Samuel H.

Goldklang, Jack J.: *See*—
Rosenfield, Arthur M., and Goldklang.

Goldman, Arnold: *See*—
Goodman, Jerome, and Goldman.

Goldman, Arthur: *See*—
Kleiman, Morton, and Goldman.

Goldman, Ernest A.: *See*—
Lewin, Gerhard, and Goldman.

Goldman, Harold, New York, N. Y. Fuel strainer and atomizer for internal-combustion engines. 2,657,123, Oct. 27.

Goldman, Jerome L., and L. Blum, New Orleans, La.; said Blum assignor to said Goldman. Submersible support for machinery. 2,652,693, Sept. 22.

Goldman, Martin, Jackson Heights, N. Y. Ball throwing device. 2,646,785, July 28.

Goldman, Sylvan N., Oklahoma City, Okla. Store service truck. 2,639,161, May 19.

Goldman, Sylvan N., Oklahoma City, Okla. Pivoted partition for wire receptacles. 2,662,661, Dec. 15.

Goldman, Sylvan N., Oklahoma City, Okla. Child seat for store service carriers. 2,662,775, Dec. 15.

Goldman, William, Brooklyn, N. Y. Steam pressing machine. 2,663,954, Dec. 29.

Goldmann, Philipp, Forest Hills, assignor to Carrier Corporation, Syracuse, N. Y. Special valve arrangement on centrifugal condensers and coolers. 2,649,698, Aug. 25.

Goldmann, Theodore F., Mamaroneck, N. Y. Dental mirror having a repolishable light transmitting plastic cover disk. 2,659,272, Nov. 17.

Goldmark, Peter C., New Canaan, Conn., assignor to Columbia Broadcasting System, Inc., New York, N. Y. Phonograph pickup mounting. 2,647,753, Aug. 4.

Goldsberry, Kenneth E.: *See*—
St. John, Roscoe N., and Goldsberry.

Goldsbrough, Leslie N., Thornton-le-Moors, England, assignor to Shell Development Company, San Francisco, Calif. Manufacture of alcohol. 2,640,085, May 26.

Goldsby, John F., Missoula, Mont. Hackle vise. 2,655,826, Oct. 20.

Goldschmidt, Herbert A., and P. J. Leverence, Chicago, Ill. Adjustable coat hanger. 2,637,471, May 5.

Goldshine, Melvyn, Flushing, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cover operated display box. 2,657,793, Nov. 3.

Goldsholl, Morton, Glencoe, assignor to Container Corporation of America, Chicago, Ill. Paperboard carton with cover. 2,628,012, Feb. 10.

Goldsmith, Albert J., New York, N. Y. Container structure with handle attachment. 2,639,082, May 19.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Color phasing system. 2,627,548, Feb. 3.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Multicolor television. 2,630,542, Mar. 3.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Television secrecy system. 2,636,936, Apr. 28.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Subtractive color television. 2,645,976, July 21.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Inspection system. 2,648,723, Aug. 11.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Additive color television. 2,653,183, Sept. 22.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Color micro-facsimile system. 2,658,102, Nov. 3.

Goldsmith, Arthur: *See*—
Fyler, George W., and Goldsmith.

Goldsmith, Henry A., Long Island City, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid-liquid extraction process. 2,651,646, Sept. 8.

Goldsmith, Henry F., Philadelphia, Pa. Hair-net or the like and making same. 2,638,102, May 12.

Goldsmith, Hugo, assignor to Sport Products, Inc., Cincinnati, Ohio. Baseball mask. 2,627,602, Feb. 10.

Goldsmith, Hugo, assignor to Sport Products, Inc., Cincinnati, Ohio. Football pants. 2,629,094, Feb. 24.

Goldsmith, Hugo, assignor to Sport Products, Inc., Cincinnati, Ohio. Football shoulder pad. 2,636,170, Apr. 28.

Goldsmith, Philip H., assignor to The Pusey & Jones Corporation, Wilmington, Del. Adjustable cylinder paper-making machine. 2,658,428, Nov. 10.

Goldsmith, Thomas L., assignor, by mesne assignments, to Clarke-Built Limited, London, England. Closure appliance for bottle capping machinery. 2,642,213, June 16.

Goldsmith, Vernon H., West Palm Beach, Fla. Jar top remover with resilient cap engaging member. 2,645,957, July 21.

Goldstaub, Heinz H., Snaresbrook, England. Electric heating device. 2,643,324, June 23.

Goldstein, Adolph O., Santa Cruz, Calif. Bun slicer. 2,652,086, Sept. 15.

Goldstein, Eli, assignee: *See*—
Baca, Hugo H.

Goldstein, Irwin E., Philadelphia, Pa., assignor to Radio Corporation of America. Diplexer arrangement. 2,661,424, Dec. 1.

Goldstein, Joseph, Brookline, Mass. Phosphorescent yarns and producing same. 2,635,969, Apr. 21.

Goldstein, Joseph, Brookline, Mass. Phosphorescent coated sheet material. 2,650,169, Aug. 25.

Goldstein, Ladislas: *See*—
Cohen, Nathaniel L., Goldstein, and Sichak.

Goldstein, Ladislas, Weehawken, N. J., assignor to International Standard Electric Corporation, New York, N. Y. High-energy radiation counter. 2,657,315, Oct. 27.

Goldstein, Ladislas, Weehawken, and N. L. Cohen, Teaneck, N. J., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Gas discharge transmission arrangement. 2,643,297, June 23.

Goldstein, Maxwell K., Washington, D. C. Detector system. 2,654,085, Sept. 29.

Goldstein, Raymond, Woodside, assignor to The Sperry Corporation, Great Neck, N. Y. Fail safe limit switch. 2,642,557, June 16.

Goldstine, Hallan E., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Signal converter. 2,629,775, Feb. 24.

Goldstine, Hallan E., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Coupling circuit for use in cathode coupled circuits. 2,662,938, Dec. 15.

Goldwasser, Seymore, Chestnut Hill, assignor to Lever Brothers Company, Cambridge, Mass. Method and apparatus utilizing compressional wave energy in the upper sonic and supersonic range for washing textiles. 2,650,872, Sept. 1.

Golemon, Valia S., Burbank, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Calculating machine function selection mechanism. 2,656,976, Oct. 27.

Golias, Michael, Sharon, Pa. Illuminated signal for fishing pole holders. 2,645,050, July 14.

Golightly, Robert H., Rainford, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for simultaneously polishing both faces of a moving ribbon of glass. 2,630,658, Mar. 10.

Golle, Horst, Berlin-Steglitz, Germany. Dual function indicator. 2,655,125, Oct. 13.

Gollings, Archie H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making washing machine liners. 2,626,885, Jan. 27.

Gollnick, Cyril R., assignor to Leach Company, Oshkosh, Wis. Material collecting vehicle. 2,649,216, Aug. 18.

Gollob, Abe, assignee: *See*—
McCandless, Field F.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing device. 2,629,383, Feb. 24.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing equipment for guiding printing plates. 2,643,605, June 30.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing plate securing means. 2,643,608, June 30.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph - Multigraph Corporation, Wilmington, Del. Means removing cards from address plates. 2,648,276, Aug. 11.

Golnick, John C., Richmond, Va. Quick-acting C clamp. 2,636,528, Apr. 28.

Golob, John E., assignor to Standard-Thompson Corporation, Dayton, Ohio. Apparatus for controlling the pressure in liquid containers. 2,639,726, May 26.

Golubich, Anthony M., assignee: *See*—
Bodenhoff, George B.

Golubics, John F., Los Angeles, Calif. Fastening device. 2,659,122, Nov. 17.

Golwynne, Henry A., New York, N. Y. Apparatus for the production of metal powder. 2,638,626, May 19.

Golwynne, Henry A., New York, N. Y. Method and apparatus for the production of metal powder. 2,638,627, May 19.

Golwynne, Henry A., New York, N. Y. Production of metal powder. 2,638,630, May 19.

Golwynne, Henry A., New York, N. Y. Apparatus for collecting and discharging metal powders. 2,639,006, May 19.

Gomco Surgical Manufacturing Corp., assignee: *See*—
Henderson, Stanford A.

Gomersall, John R., and M. Ireland, assignors to McGraw Electric Company, Elgin, Ill. Electric iron handle construction. 2,662,317, Dec. 15.

Gomez, Albert, Maspeth, assignor to Freundlich-Gomez Machinery Corp., Brooklyn, N. Y. Binding device for leaves and method of making the same. 2,629,382, Feb. 24.

Gomez-Diez, Jose M., Mallano (Santander), Spain, assignor to International Standard Electric Corporation, New York, N. Y. Testing electric cable sheaths. 2,642,739, June 23.

Gommel, Dewey E., Indianapolis, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Mounting rotors on arbors of various transaxial contours. 2,649,868, Aug. 25.

Gommel, Dewey E., Indianapolis, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Saw chain. 2,655,958, Oct. 20.

Gonda, Desiré, and A. A. Hodge, assignors to Holoplast Limited, New Hythe, near Maidstone, England. Method and means for manufacturing corrugated plastic laminates. 2,655,978, Oct. 20.

Gonnard, Jean L.: *See*—
Casati, Lucienne A. M., Gonnard, and Lahousse.

Gonnard, Jean L., Villeurbanne, and J. E. G. Lahousse, Lyon, assignors to Societe des Usines Chimiques, Rhone-Poulenc, Paris, France. Composition for protecting electrical equipment comprising polyvinyl chloride, a pitch, and a plasticizer. 2,635,085, Apr. 14.

Gonsett, Faust R., executor: *See*—
Gonsett, Robert R.

Gonsett, Robert R., deceased, North Hollywood, Calif., by F. R. Gonsett, executor, Burbank, Calif. Passenger protecting fender attachment for vehicle instrument panels. 2,650,835, Sept. 1.

Gonzalez, Fermin C., Tampa, Fla. Convertible truck and trunk compartment for automobiles. 2,626,179, Jan. 20.

Good, George M.: *See*—
Holzman, George, and Good.

Good, James A., Grosse Pointe, Mich., assignor to Diamond Power Specialty Corporation. Radiation-absorption type liquid level indicator. 2,662,985, Dec. 15.

Good, James N., Lafayette, Ind. Apparatus for electronic spectrometric analysis of back-reflection diffraction. 2,648,011, Aug. 4.

Good, Wayne W., assignor to Harter Corporation, Sturgis, Mich. Upholstered seat structure. 2,646,840, July 28.

Good, William E., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wave guide attenuator. 2,656,518, Oct. 20.

Goodale, Edmund E.: *See*—
Benade, James M., Goodale, and Jesse.

Goodale, Elmer D., New Rochelle, N. Y., assignor to Radio Corporation of America. Electric signal distribution system. 2,664,546, Dec. 29.

Goodale, Elmer D., New Rochelle, and G. K. Graham, Oceanside, N. Y., assignors to Radio Corporation of America. Television system. 2,634,328, Apr. 7.

Goodban, Alan E.: *See*—
Owens, Harry S., Stark, and Goodban.

Goodbar, Mayo A., E. H. Placke, and C. G. Falkner, assignors to The National Cash Register Company, Dayton, Ohio. Zero stop mechanism. 2,628,780, Feb. 17.

Goodbar, Mayo A., Oakwood, and R. G. Pratt, assignor to The National Cash Register Company, Dayton, Ohio. Mechanism to control the printing and paper handling equipment of accounting machines. 2,636,435, Apr. 28.

Goodbar, Mayo A., Oakwood, and R. G. Pratt, assignors to The National Cash Register Company, Dayton, Ohio. Ticket printing mechanism. 2,647,458, Aug. 4.

Goodbar, Mayo A., E. H. Placke, and C. G. Falkner, assignors to The National Cash Register Company, Dayton, Ohio. Printing mechanism for accounting machines. 2,659,301, Nov. 17.

Goodbar, Mayo A., E. H. Placke, and C. G. Falkner, assignors to The National Cash Register Company, Dayton, Ohio. Totalizer engaging means. 2,661,151, Dec. 1.

Goode, Joseph H., Houston, Tex. Multiple seat union. 2,652,268, Sept. 15.

Goodell, Leslie H., St. Francis, Kans., and L. E. Goodell, Haigler, Nebr. Disk rolling machine. 2,662,572, Dec. 15.

Goodell, Leverett E.: *See*—
Goodell, Leslie H. and L. E.

Goodell, Richard R.: *See*—
Fay, Charles H., and Goodell.

Goodell, Warren F., Jr., Urbana, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Plan position indicator system. 2,646,530, July 21.

Gooderham, John W., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic toll-ticketing system. 2,629,016, Feb. 17.

Goodfield, Elsie, Dover, N. J. Toilet closet. 2,661,481, Dec. 8.

Goodford, Anthony J., Wilkes-Barre, Pa. Circle marker. 2,651,843, Sept. 15.

Goodgame, Jesse B., assignor to Precision Gear and Machine Company, Charlotte, N. C. Sword with removable protector rod brackets. 2,661,772, Dec. 8.

Goodhue, Lyle D., Bartlesville, Okla., and C. E. Tissol, Minneapolis, Minn., assignors to Phillips Petroleum Company. Sulfoxides as plant defoliants. 2,654,667, Oct. 6.

Goodhue, Lyle D., and C. E. Tissol, Bartlesville, Okla., assignors to Phillips Petroleum Company. Organic peroxide and hydroperoxide herbicides. 2,657,125, Oct. 27.

Goodhue, William V., Warwick and H. H. Wormser, Providence, assignors to Universal Winding Company, Cranston, R. I. Spindle dynamometer. 2,624,197, Jan. 6.

Goodhue, William V., and R. E. Morton, Warwick, R. I., assignors to Universal Winding Company, Boston, Mass. Method and means for automatically winding filling bobbins in a loom and supplying them to the shuttle thereof. 2,638,936, May 19.

Goodhue, William V., and R. E. Morton, Warwick, R. I., assignors to Universal Winding Company, Boston, Mass. Bobbin stripper. 2,638,937, May 19.

Good Humor Corporation, assignee: *See*—
Otken, Edwin J.

Gooding, Chester M.: *See*—
Melnick, Daniel, Gooding, and Vahlteich.
Vahlteich, Hans W., Gooding, and Melnick.

Gooding, Chester M., Staten Island, assignor to The Best Foods, Inc., New York, N. Y. Soya-bean oil and producing the same. 2,627,467, Feb. 3.

Gooding, Francis H., Lodi, assignor to The Okonite Company, Passaic, N. J. Electric power cable with carrier coupling. 2,624,794, Jan. 6.

Goodkowitz, Hyman S., Martinsville, Va. Combination matchbox, ejector, and ignitor. 2,630,913, Mar. 10.

Goodman Brothers, assignee: *See*—
Goodman, Felix.

Goodman, Clarence, High Point, and C. T. Miller, Hickory, N. C.; said Miller assignor to said Goodman. Multisection veneer knife. 2,652,869, Sept. 22.

Goodman, Felix, assignor to Goodman Brothers, Philadelphia, Pa. Davenport. 2,636,186, Apr. 28.

Goodman, Harold J., Detroit, Mich. Tennis ball holder. 2,628,804, Feb. 17.

Goodman, Henry B., New London, Conn. Separating enclosure for towel racks. 2,664,208, Dec. 29.

Goodman, Jack J., Bronx, N. Y. Pattern grading tool. 2,662,299, Dec. 15.

Goodman, Jerome, and A. Goldman, Philadelphia, Pa., said Goldman assignor to said Goodman. Magnetic jewelry clasp. 2,637,887, May 12.

Goodman, John E.: *See*—
Cottell, Eric C., and Goodman.

Goodman-Kleiner Company, Inc., assignee: *See*—
Marco, John L.

Goodman, L. A., Mfg. Company, assignee: *See*—
Lumbard, Edward B.

Goodman, Louis, Millis, assignor to The Foxboro Company, Foxboro, Mass. Switching arrangement for electrical measuring systems. 2,628,994, Feb. 17.

Goodman Manufacturing Company, assignee: *See*—
Andershock, Chester E.
Beck, William R.
Bergmann, Ernst R.
Berry, Charles E.
Biedess, Anthony R.
Bigelow, Roy S.
Buckeridge, Roger M.

Goodman Manufacturing Company, assignee: *See*—Con.
Buckeridge, Roger M., and Goodman.
Carlson, Melvin G.
Cartlidge, Frank.
Gross, Malcolm E.
Hagenbook, Loy D.
Hutchins, Paul L.
Lindgren, Frank A.
Lundquist, Richard C.
Madeira, John R.
McCallum, Robert A.
McCann, Keith, and Lo Presti.
Miller, Fred B.
Millhuff, Gale E.
Robbins, James S.
Sloane, William W.
Slomer, Joseph J.
Soucek, Dominick.

Goodman, Merl L., Adams County, Colo. Timecard rack. 2,642,189, June 16.

Goodman, Morris, Indianapolis, Ind. Door actuated clock winding mechanism. 2,647,361, Aug. 4.

Goodman, Noel, Detroit, Mich. Tension releasing device. 2,627,692, Feb. 10.

Goodman, Robert C.: *See*—
Hardie, Fred H., Goodman, and Van Valkenburg.

Goodman and Vandervieren Limited, assignee: *See*—
Vandervieren, Aimé A.

Goodman, William E.: *See*—
Buckeridge, Roger M., and Goodman.

Goodman, Wolf, assignor to Southern Detector Corporation, Houston, Tex. Urinalysis device. 2,639,979, May 26.

Goodner, Grover D., Houston, Tex. Well screen. 2,646,126, July 21.

Goodner, Monroe H., Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J. Two-stage gas pressure regulator. 2,642,701, June 23.

Goodnight, Austin G., Hanford, Calif. Mowing apparatus. 2,624,999, Jan. 13.

Goodnight, Austin G., Laton, Calif. Dispenser. 2,653,068, Sept. 22.

Goodnow, Harry D.: *See*—
Benedict, Walter L., Goodnow, and Pulsifer.

Goodrich, Alonzo C.: *See*—
Rimsha, Victor E., and Goodrich.

Goodrich, B. F., Company, The, assignee: *See*—
Ambler, Robert R.
Antifinger, George J.
Ardis, Alan E.
Arnold, Lawrence F.
Baumgartner, Luther L.
Beears, Warren L.
Brown, Harold P.
Carlson, Earl J.
Colley, Russell S.
Connors, Harry E., and Hatfield.
Crawford, Richard A., and Morrissey.
Curtis, Chalmer C.
Dorner, John A.
Fink, Herbert H.
Fink, Herbert H., and Fabing.
Folt, Vernon L.
Folt, Vernon L., and Carlson.
Gilbert, Harry.
Gilbert, Harry, and Miller.
Gilbert, Harry, Miller, and Folt.
Gregory, James T.
Harper, Thomas C.
Harrison, Stuart A., and Brown.
Hasselquist, Victor H.
Henry, Karl R.
Hoertz, Joseph B.
Hollerith, Charles.
Hoover, John R.
Howes, Leonard R.
Hussey, Harold A., and Wright.
Jansen, Jacob E., and Werber.
Jennings, Garland B.
Kehe, Henry J., and Jansen.
Keller, Russell J.
Krupp, Carroll P.
Leguillon, Charles W.
L'Hollier, Leslie H.
Luke, Marvin B.
Mathes, Roger A., and Stewart.
Morningstar, Marion G., Schollenberger, and Stueber.
Morrison, Burton W.
Parrish, Charles I.
Porter, Donald K.
Reuter, Louis F., and Smith.
Sanders, Charles E., and Mackinnon.
Seifried, Anton G.
Semon, Waldo L.
Shelley, Thomas H.
Snyder, Robert V.
Spaulding, David C.
Sternad, Frank S., and Sapp.
Stewart, William D.
Stewart, William D., and Standen.
Stock, Robert P.
Tausch, Harry W.
Tucker, Harold.
Vesce, Vincent C.

Goodrich, B. F. Company, The, assignee: *See*—Continued.
Vincent, Walter R.
Whitman, Hyman L.
Wilson, Matthew W.
Wilt, Homer E.
Wolf, Robert J.
Goodrich, Charles B.: *See*—
Tschop, Harry E., Carter, and Goodrich.
Goodrich, Hunter C., Collingswood, N. J., assignor to Radio Corporation of America. Color television image reproduction. 2,634,326, Apr. 7.
Goodrich, Hunter C., Jr., Collingswood, assignor to Radio Corporation of America, Camden, N. J. Signal seeking receiver. 2,639,373, May 19.
Goodrich, Hunter C., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Signal seeking radio receiver. 2,639,374, May 19.
Goodrich, Nathan, Brooklyn, N. Y. Combination article of furniture. 2,649,349, Aug. 18.
Goodrich, Robert R., Cranbury, N. J., assignor to Radio Corporation of America. Photoconductive target for cathode-ray devices. 2,654,852, Oct. 6.
Goodrich, Ross H., Claremont, N. H., assignor to Joy Manufacturing Company. Loading machine. 2,639,023, May 19.
Goodrich, Ross H., and N. W. Densmore, Claremont, N. H., assignors to Joy Manufacturing Company, Pittsburgh, Pa. Electric switch and power take-off device. 2,646,475, July 21.
Goodrich, Susan F., Augusta, Ga. Recording and display device. 2,655,740, Oct. 20.
Goodrich, Theodore W., San Francisco, Calif. Beading roller for cartons. 2,642,783, June 23.
Good Shepherd Home, assignee: *See*—
Heyman, Arthur W.
Goodspeed, Carl M., Fort Dodge, Iowa. Reversible wagon drawbar. 2,650,102, Aug. 25.
Goodstein, Charles B., New Rochelle, and M. B. Mittleman, Larchmont, N. Y. Hypodermic syringe and cartridge therefor. 2,655,919, Oct. 20.
Goodwin, A. D., & Son, assignee: *See*—
Goodwin, Alfred D.
Goodwin, Alfred D., assignor to A. D. Goodwin & Son, Manteca, Calif. Nut huller and sheller. 2,663,340, Dec. 22.
Goodwin, Edwin C., Canton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bench assembled circuit breaker operating mechanism. 2,645,699, July 14.
Goodwin, Edwin C., Canton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Speedgraph recorder. 2,653,853, Sept. 29.
Goodwin, George I., Birmingham, Mich. Clutch plate. 2,627,332, Feb. 3.
Goodwin, George I., Birmingham, and H. H. Klee, Royal Oak, Mich., said Klee assignor to said Goodwin. Method and machine for producing a continuous honeycomb structure. 2,648,371, Aug. 11.
Goodwin, John S.: *See*—
Smith, Edward M., Whittaker, and Goodwin.
Goodwin, Lewis D., North Tonawanda, N. Y. Device for teaching arithmetic. 2,643,467, June 30.
Goodwin, Manfred E., and E. A. Simpson, assignors to The Davison Chemical Corporation, Baltimore, Md. Relative humidity indicator. 2,627,505, Feb. 3.
Goodwin, Paul S., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Voltage sensitive circuit. 2,629,056, Feb. 17.
Goodwin, Paul S., assignor to Consolidated Engineering Corporation, Pasadena, Calif. High-voltage power supply. 2,632,143, Mar. 17.
Goodwin, Paul S., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Slidewire power supply. 2,645,750, July 14.
Goodwin, Paul S., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrometer amplifier network. 2,656,498, Oct. 20.
Goodwin, Paul S., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Electrometer amplifier network. 2,656,499, Oct. 20.
Goodwin, Richard M.: *See*—
Burge, James S., McKee, and Goodwin.
Goodwin, Richard M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Dynamo brush machine. 2,628,311, Feb. 17.
Goodwin, Richard M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Wire splicing apparatus. 2,630,144, Mar. 3.
Goodwin, William N., Jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Thermal ammeter. 2,645,756, July 14.
Goodwyn, George G., Dallas, Tex. Automobile storage apparatus. 2,650,728, Sept. 1.
Goodyear Aircraft Corporation, assignee: *See*—
Ames, Robert S.
Bateman, Ralph C., and Schnitzer.
Dunmire, Robert W.
Proebstle, Leonard J.
Rowe, Henry A.
Wolf, Edward.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eyelet joint and forming same. 2,630,935, Mar. 10.
Goon, Henry F.: *See*—
Mayo, Edward, and Goon.
Gooseman, Leslie L., Pagosa Springs, Colo. Heating unit. 2,641,232, June 9.
Goppel, Johan M., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Stabilization of sulfur dioxide-rubbery polymer products. 2,647,887, Aug. 4.
Goppel, Johan M., G. E. Rumscheidt, and J. T. Hackmann, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Stabilized reaction products of rubbery polymers with inorganic acidifying compounds. 2,654,679, Oct. 6.
Goppel, Johan M., G. E. Rumscheidt, and J. T. Hackmann, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Increasing stability of rubbery polymer reaction products and resulting compositions. 2,654,680, Oct. 6.
Gora, Henry Z., Stratford, Conn., assignor, by mesne assignments, to Anchor Hocking Glass Corporation, Lancaster, Ohio. Closure making machine. 2,657,426, Nov. 3.
Gorden, Henry C., assignor to Gorman Manufacturing Corporation, Los Angeles, Calif. Electrical resistor. 2,664,487, Dec. 29.
Gordinier, Ralph E., Climax, Mich., assignor to Economy Faucet Company, Newark, N. J. Liquid pump. 2,639,670, May 26.
Gordinier, Ralph E., Quakertown, Pa., assignor to Economy Faucet Company, Newark, N. J. Liquid pump. 2,635,553, Apr. 21.
Gordon, Aaron: *See*—
Gordon, Harry B. and A.
Gordon, Alexander, Jr.: *See*—
Greenwood, Ivan A., Jr., and Gordon.
Gordon, Arthur F.: *See*—
Ruh, Robert P., and Gordon.
Gordon, Bernard M., assignor to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Single tube binary counter. 2,662,983, Dec. 15.
Gordon, Carroll G.: *See*—
Atwood, John L., and Gordon.
Gordon, Carroll G., Pasadena, Calif., assignor to North American Aviation, Inc. Aircraft flap mechanism. 2,661,166, Dec. 1.
Gordon, Carroll G., Pasadena, Calif., and R. R. Cameron, Denver, Colo. Electric butt welding. 2,652,473, Sept. 15.
Gordon, Cecil, Moseley, Birmingham, and F. Skidmore, Black Lake, West Bromwich, assignors to Clarke & Gough Limited, Smethwick, England. Bed chair or bed settee. 2,628,368, Feb. 17.
Gordon, Elwin V.: *See*—
Simpson, Robert D., Gordon, and Cardoza.
Simpson, Robert D., Gordon, Cardoza, and Jacobs.
Gordon, Elwin V., San Leandro, assignor to Farm Production Engineers, Inc., Oakland, Calif. Mechanism for separating air-borne materials. 2,638,181, May 12.
Gordon, Elwin V., and R. D. Simpson, San Leandro, and F. Cardoza, assignors to Farm Production Engineers, Inc., Hayward, Calif. Material separating apparatus. 2,638,219, May 12.
Gordon Foods, Inc., assignee: *See*—
Furniss, Henry D.
Gordon, Harold L., Youngstown, assignor to E. E. Evans, Poland, Ohio. Disinfectant dispenser. 2,644,167, July 7.
Gordon, Harry B., Glenview, and A. Gordon, Chicago, Ill. Windshield wiper. 2,648,865, Aug. 18.
Gordon, Harry B., Highland Park, Ill. Garment packaging box. 2,656,914, Oct. 27.
Gordon, Harry L., Sunland, Calif. Body treating apparatus. 2,642,863, June 23.
Gordon, Isidor S., Springfield, Mass. Holder for connecting devices. 2,647,424, Aug. 4.
Gordon, James B., Burlingame, Calif. Dietetic food product and method of preparing the same. 2,629,665, Feb. 24.
Gordon, James B., Burlingame, Calif. Dietetically sweetened food products and preparing the same. 2,653,105, Sept. 22.
Gordon, James E., Fleet, and C. G. Evans, Farnborough, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Producing a metal facing on hardenable material. 2,638,428, May 12.
Gordon, James E., Rollright, Fleet, and C. G. Evans, Farnborough, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Producing an aerofoil having a core and a laminated molded skin. 2,655,459, Oct. 13.
Gordon, John, assignee: *See*—
Tripp, Lester A.
Gordon, Lloyd L., West End, assignor to Electronic Associates, Inc., Long Branch, N. J. Testing and sorting control system. 2,635,746, Apr. 21.
Gordon, Louis J., and L. Sheldon, Chicago, Ill., said Sheldon assignor to said Gordon. Compass rule. 2,648,131, Aug. 11.
Gordon, Morris, New York, N. Y. Drapery. 2,627,918, Feb. 10.

Gordon, Norman A., Oklahoma City, Okla. Saltcellar. 2,644,616, July 7.
Gordon, Prince H., North Merrick, N. Y. Flight instrument. 2,660,977, Dec. 1.
Gordon, Ralph G., Keymar, assignor to Price Electric Corporation, Frederick, Md. Packaged electrically operated ventilating fan. 2,631,775, Mar. 17.
Gordon, Ray, Struthers, Ohio. Furnace charging apparatus. 2,661,853, Dec. 8.
Gordon, Richard A., Brooklyn, N. Y. Making trimming. 2,662,577, Dec. 15.
Gordon, Samuel H.: *See*—
Thomson, Charles, and Gordon.
Gordon, Samuel A., Baltimore, M. P. Espy, and C. H. Cooke, Baltimore County, Md., and M. G. Gertel, Boston, Mass., assignors to The Glenn L. Martin Company, Middle River, Md. Shock absorbing drag strut for aircraft landing gears. 2,661,203, Dec. 1.
Gordon, Warren W., Mount Gilead, Ohio. Fence post anchor. 2653,688, Sept. 29.
Gordon, Willis O., New Orleans, La., and M. K. Veldhuis, Winter Haven, Fla., assignors to the United States of America as represented by the Secretary of Agriculture. Controlling foam in submerged and aerated propagation of microorganisms. 2,635,070, Apr. 14.
Gore, Albert J., Washington, D. C. Three-part clamp holder. 2,628,399, Feb. 17.
Gore, Owen L.: *See*—
De Florez, Luis, Gore, and Bach.
Goregliad, Arsenius N.: *See*—
Berg, Abram S., and Goregliad.
Gorham, George, assignor, by mesne assignments, to Technicon Cardiograph Corporation, New York, N. Y. Multiple-lead electrocardiograph recorder. 2,645,550, July 14.
Gorham, George, assignor to Technicon Cardiograph Corporation, New York, N. Y. Recorder with retractable web-supporting means. 2,646,337, July 21.
Gorham, George, assignor to Technicon Chromatography Corporation, New York, N. Y. Fraction collection apparatus. 2,654,522, Oct. 6.
Gorham, George, assignor to Technicon Cardiograph Corporation, New York, N. Y. Stylus for recorders. 2,664,335, Dec. 29.
Gorham, John E., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Modified traveling wave tube. 2,636,148, Apr. 21.
Gorin, Everett, Castle Shannon, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Separation of hydrocarbons and hydrocabon derivatives. 2,642,422, June 16.
Gorin, Everett, Castle Shannon, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Urea-olefin complexes. 2,642,423, June 16.
Gorin, Everett, Castle Shannon, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Gasification of carbonaceous solid fuels. 2,654,661, Oct. 6.
Gorin, Everett, Castle Shannon, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Gasification of carbonaceous solid fuels. 2,654,662, Oct. 6.
Gorin, Everett, Castle Shannon, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Gasification of carbonaceous solid fuels. 2,654,663, Oct. 6.
Gorin, Everett, Whitehall, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Device for controlling flow of finely divided solids. 2,636,642, Apr. 28.
Gorin, Everett, Pittsburgh, Pa., and R. E. Kinney, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating hydrocarbons with thiourea. 2,642,424, June 16.
Gorman, Andrew T., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,627,441, Feb. 3.
Gorman, Andrew T., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,637,601, May 5.
Gorman, Andrew T., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake release indicating means. 2,640,732, June 2.
Gorman, Andrew T., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Release control apparatus for fluid pressure brakes. 2,650,137, Aug. 25.
Gorman, Andrew T., Pitcairn, Pa., assignor to Westinghouse Air Brake Company. Control apparatus for fluid compressors. 2,652,189, Sept. 15.
Gorman, George D., Stillwater, Minn. Pen or pencil clip. 2,655,702, Oct. 20.
Gorman Manufacturing Corporation, assignee: *See*—
Gorden, Henry C.
Gorman-Rupp Company, The, assignee: *See*—
Rupp, Warren E.
Gornowski, Edward J., Cranford, N. J., assignor to Standard Oil Development Company. Removal of finely divided solids from polymerization streams. 2,626,292, Jan. 20.
Gornowski, Edward J., and K. J. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Gasification of carbonaceous solids. 2,633,416, Mar. 31.
Gornowski, Edward J., and K. J. Nelson, Cranford, N. J., assignors to Standard Oil Development Corporation. Gasification of carbonaceous solids. 2,633,417, Mar. 31.
Gorrie, Harvard H.: *See*—
Fellows, Frank H., and Gorrie.
Gorschalki, Max, Altadena, Calif. Nonferrous alloy. 2,661,285, Dec. 1.
Gorske, Stanley F., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Spring clutch mechanism. 2,633,953, Apr. 7.
Gorski, Michael, Milwaukee, Wis. Propulsion mechanism. 2,655,891, Oct. 20.
Gorton, George, Machine Co., assignee: *See*—
Eserkaln, Theodore F.
Eserkaln, Theodore F., and Steinbrecker.
Quatler, Clifford L.
Steinbrecker, Freddy.
Stuart, Robert J., and Gunderson.
Gorton, Willard L., assignor to United Aircraft Corporation, East Hartford, Conn. Centrifugal compressor rotor vibration damper. 2,664,240, Dec. 29.
Goserud, Chester O., St. Paul, Minn. Oar lock. 2,657,401, Nov. 3.
Goslin-Birmingham Manufacturing Company, Inc., assignee: *See*—
Little, John W.
Gosline, Frederick V., Detroit, Mich., assignor, by mesne assignments, to Pioneer Specialty Company. Actuating means for antennas and the like. 2,641,135, June 9.
Gosline, Frederick V., Detroit, Mich., assignor, by mesne assignments, to Pioneer Specialty Company. Extensible antenna with two-way acting fluid driving means. 2,646,504, July 21.
Gosling, Joseph B.: *See*—
Atlee, Zed J., and Gosling.
Gosnell, Hardy B., Greenville, S. C. Fabric let back means for looms. 2,664,115, Dec. 29.
Gosnell, Lavern, Los Angeles, Calif. Lid for cooking utensils. 2,629,511, Feb. 24.
Goss, Hubert S., Fresno, Calif. Apparatus for refrigerating railway cars in transit. 2,632,309, Mar. 24.
Goss, Norman L., Pasadena, Calif. Portable cooking vessel. 2,641,243, June 9.
Goss Printing Press Company, The, assignee: *See*—
Chase, Corson W., and Manning.
Goss, William A.: *See*—
Preble, Norman H., and Goss.
Gossard, H. W., Co., The, assignee: *See*—
Rook, William A.
Gossard, Thomas F.: *See*—
Thias, Edwin P., Fischer, Gossard, and White.
Gossard, Thomas F., North Hollywood, assignor to Standard Coil Products Co. Inc., Los Angeles, Calif. Tuner. 2,658,394, Nov. 10.
Gosse, Earl R., Seymour, Wis. Vehicle unloading feeding conveyer. 2,634,872, Apr. 14.
Gosselin, Antoine J.: *See*—
Fortin, Hermas, and Gosselin.
Gosselin, Joseph D., Attleboro, Mass., assignor to Swank, Inc. Mounting for initials or ornamental members. 2,662,322, Dec. 15.
Gosselin, Raymond A., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Mounting device. 2,649,271, Aug. 18.
Gosselin, Wilfrid J., Methuen, assignor to U S Bobbin & Shuttle Company, Lawrence, Mass. Yarn take-up and tensioning device for hand-threaded weaving shuttles. 2,627,878, Feb. 10.
Gosselin, Wilfrid J., Methuen, assignor to U S Bobbin & Shuttle Company, Lawrence, Mass. Weaving shuttle with thread-cutting anvil. 2,649,119, Aug. 18.
Gosselin, Wilfrid J., Methuen, assignor to U S Bobbin & Shuttle Company, Lawrence, Mass. Weaving shuttle of molded material having embedded tip-anchoring means. 2,658,533, Nov. 10.
Gossner, Louis E. E., assignor to Treg, Inc., San Francisco, Calif. Sealing closure. 2,641,037, June 9.
Gostyn, Ernest, Longmeadow, Mass., assignor to General Instrument Corporation, Elizabeth, N. J. Transformer unit. 2,650,351, Aug. 25.
Gotberg, Harry H.: *See*—
Jessup, James L., and Gotberg.
Goth, Bernhard, Bronx, N. Y. Apparatus for making tufted upholstery blankets. 2,634,543, Apr. 14.
Gothar, Robert D., Sherman Oaks, Calif. Package wrapping device. 2,643,424, June 30.
Gothberg, Karl E. A., Goteborg, and S. Sandahl, Heden, assignors to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Lubricating system. 2,642,156, June 16.
Gotlieb, Lenard, assignee: *See*—
Carper, Earl W.
Gotsfeld, Morris, Newark, N. J. Bath brush having oppositely extending detachable handle. 2,631,319, Mar. 17.
Gotshall, William W., Detroit, Mich. Insulated heat conducting unit. 2,656,902, Oct. 27.
Gotter, John H., Abilene, Tex. Watch winding machine. 2,638,024, May 12.
Gottesman, Herman, assignor to The Permaline Company, Clifton, N. J. Apparatus for effecting pin point lamination of plastic liners to carton board. 2,646,835, July 28.
Gottfried, Louis, New York, N. Y. Baby tender. 2,655,202, Oct. 13.
Gottfried, Louis, New York, N. Y. Rocker attachment unit for chairs. 2,662,580, Dec. 15.

Gottfried, Louis, New York, N. Y. Rocker attachment unit for chairs. 2,662,581, Dec. 15.
Gotthart, Fred, Ridgewood, N. Y. Maximum indicating thermometer. 2,632,726, Sept. 22.
Gottlieb, George A., New York, N. Y. Vehicle parking device. 2,638,995, May 19.
Gottlieb, Hans B., Glassboro, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Producing phthalocyanine coloring matters. 2,645,643, July 14.
Gottlieb, Joseph, Jersey City, C. Woessner, Bloomfield, and L. Eickemeyer, Union, assignors to Gibraltar Manufacturing Co., Inc., Jersey City, N. J. Adjustable sewing machine feed. 2,638,068, May 12.
Gottlieb, Julius J.: *See*—
Gottlieb, Morris M. and J. J.
Gottlieb, Max C., assignor to Speedry Products, Inc., New York, N. Y. Fountain pen with filling cap. 2,640,216, June 2.
Gottlieb, Morris M. and J. J., Washington, D. C. Arch support and making same. 2,653,396, Sept. 29.
Gottman, Le Roy E., Xenia, Ohio. Inverter control automatic changeover for single or three-phase application. 2,631,248, Mar. 10.
Gottschalk, Emil, assignor to Gem Rubber Corporation, New York, N. Y. Rubber footwear having a flared upper. 2,643,468, June 30.
Gottschalk, John W., Manufacturing Company, assignee: *See*—
King, Raymond R.
Gottschalk, Prosper L., Milwaukee, Wis. Window construction. 2,643,422, June 30.
Gottschalk, Winston M., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave energy amplifier. 2,627,586, Feb. 3.
Gottschalk, Winston M., Watertown, and R. E. Chaffee, Wellesley, assignors to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron device. 2,629,068, Feb. 17.
Gottschau, Christian M., assignor to Commercial Controls Corporation, Rochester, N. Y. Stamp roll feeding mechanism. 2,663,565, Dec. 22.
Gottscho, Adolph, Inc., assignee: *See*—
Gottscho, Ira S.
Gottscho, Ira S., and Hirschey.
Hirschey, Malcolm.
Jackson, John K.
Gottscho, Ira S., Milburn, assignor to Adolph Gottscho, Inc., Hillside, N. J. Holder for rubber type. 2,643,609, June 30.
Gottscho, Ira S., Milburn, assignor to Adolph Gottscho, Inc., Hillside, N. J. Marking device. 2,662,469, Dec. 15.
Gottscho, Ira S., Millburn, and M. Hirschey, Woodside, assignors to Adolph Gottscho, Inc., Hillside, N. J. Repositioning device for marking wheels. 2,632,383, Mar. 24.
Gottsegen, Marten, and H. N. Stein, Chicago, Ill. Combination vehicular and portable food and beverage container. 2,645,392, July 14.
Gottshall, Russel Y., and J. M. Roberts, Lansing, and L. M. Portwood, Okemos, Mich., assignors to The State of Michigan. Synnematin and producing the same. 2,658,018, Nov. 3.
Goubau, Georg J. E., Long Branch, N. J., assignor to the United States of America as represented by the Secretary of the Army. Pulse modulation system. 2,638,572, May 12.
Goudie, Wayne F., Kenosha, assignor to Devere Company, Racine, Wis. Sheet clamping device. 2,654,932, Oct. 13.
Goudy, Paul R., and K. G. Sedgwick, Milwaukee, Wis., assignors to Square D Company, Detroit, Mich. Electric switch. 2,664,482, Dec. 29.
Gougeon, Russell A., Ecorse, Mich. Siren. 2,634,701, Apr. 14.
Gough, William E., Jr., assignor to The Feb Products Company, Chicago, Ill. Holder for replaceable paper rolls. 2,639,099, May 19.
Gougler, C. L., Machine Company, The, assignee: *See*—
Miller, Edward M.
Gouirand, Rene, New York, N. Y. Pneumatic suspension for vehicles. 2,624,594, Jan. 6.
Gouirand, Rene, New York, N. Y. Pneumatic suspension for vehicles. 2,663,569, Dec. 22.
Gould, Barbara V., Cleveland Heights, Ohio. Garment. 2,640,196, June 2.
Gould, Byron C., assignor to The Murray Corporation of America, Detroit, Mich. Stove oven with removable partitions. 2,625,928, Jan. 20.
Gould, Byron C., assignor to The Murray Corporation of America, Detroit, Mich. Spring cushion having the load supporting portion reinforced by fabric. 2,655,204, Oct. 13.
Gould, Charles D.: *See*—
Senn, Arthur L., Gould, Evensen, and Senn.
Gould, Charles D., Cleveland, Ohio, assignor to the United States of America as represented by the United States Atomic Energy Commission. Portable voltage supply for radiation counters. 2,628,338, Feb. 10.
Gould, Charles W., assignor to Hercules Powder Company, Wilmington, Del. Copolymers of allyl esters of stabilized rosin acids. 2,639,273, May 19.
Gould, Clarence, Council, Idaho. Toggle-actuated carriage bolt wrench. 2,639,638, May 26.
Gould, David H., Palisades Park, and E. B. Hershberg, West Orange, assignors to Schering Corporation, Bloomfield, N. J. Converting sapogenins into pseudosapogenins. 2,632,008, Mar. 17.
Gould, Frederick, Angola, Ind. Preserved eristalis genus, crane fly larvae, and method. 2,643,189, June 23.
Gould, George D.: *See*—
Tripp, John G., Brakel, and Gould.
Gould, Gerald G., Silver Spring, Md. Constant speed drive by use of a magnetic-fluid clutch. 2,639,414, May 19.
Gould, Herman C., assignee: *See*—
McCarty, John E. D.
Gould-National Batteries, Inc., assignee: *See*—
Brown, Frank M.
Kennedy, Henry A.
Gould, Robert E., East Aurora, N. Y. Method and apparatus for manufacture of pottery. 2,647,295, Aug. 4.
Gould, Wallace E.: *See*—
Bowan, Walter J., and Gould.
Gould, William F.: *See*—
Hargreaves, Thomas F. S., and Gould.
Wright, Esmond P. G., Gould, Hargreaves, and Reynolds.
Goulding, Albert, Jr., Cuyahoga Falls, and M. Jukich, assignors to Wingfoot Corporation, Akron, Ohio. Continuous treating apparatus. 2,663,052, Dec. 22.
Goulding, Charles E., Jr., Caracas, Venezuela. Decreasing the porosity of calcareous and siliceous materials. 2,650,173, Aug. 25.
Goulds Pumps, Inc., assignee: *See*—
Hancy, Allan F.
Landberg, Erik G.
Mann, John.
Mann, John, and Shuster.
Gourdon, Robert, assignor to Societe Anonyme dite "Centre d'Etudes M. B. A." (Mecanique, Ballistique, Armement), Paris, France. Independent actuator tens transfer device. 2,646,929, July 28.
Gourdon, Robert, assignor to Societe Anonyme dite Centre d'Etudes M. B. A. (Mecanique, Ballistique, Armement), Paris, France. Item, total, and repeated registration control mechanism. 2,651,462, Sept. 8.
Gourdon, Robert L., assignor to Societe Anonyme dite: Centre d'Etudes M. B. A., Paris, France. Item and total printing mechanism for calculating machines. 2,645,419, July 14.
Gourielli, Inc., assignee: *See*—
De Kolb, Eric.
Gourse, Aaron, Sacramento, Calif. Circumcision clamp. 2,631,587, Mar. 17.
Gouverneur, Fairfax H., Los Angeles, Calif. Bobby pin dispenser. 2,631,592, Mar. 17.
Govan, Jack F., assignee: *See*—
Rex, Carl A. M.
Govan, Roy H., assignee: *See*—
Rex, Carl A. M.
Governale, Luke J., A. B. Horn, Jr., and H. E. O'Connell, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Two-stage photochemical reactor. 2,662,186, Dec. 8.
Govett, Thomas, Summit, and M. L. Almquist, Maplewood, N. J., assignors to Reheis Company, Inc. Aluminum chlorhydroxy complex and borate gel. 2,645,616, July 14.
Gow, James D., Richmond, and J. S. Foster, Albany, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ion source unit. 2,636,990, Apr. 28.
Gowan, W. C., assignee: *See*—
Huggins, Clifford H.
Gowens, Ernest G.: *See*—
Bolding, Hubert V., and Gowens.
Gowland, John P., Palo Alto, Calif. Toy locomotive. 2,641,865, June 16.
Gowland, John P., Santa Barbara, Calif. Wheeled toy. 2,641,863, June 16.
Gowland, John P., Santa Barbara, Calif. Writing instrument. 2,642,042, June 16.
Gowland, John P., Santa Barbara, Calif. Tilting track amusement apparatus. 2,655,116, Oct. 13.
Gowland, John P., Santa Barbara, Calif. Collapsible picture viewing device. 2,662,442, Dec. 15.
Gozzoli, Giovanni, Bologna, Italy. Lubricated rotary joint for tire inflation. 2,657,731, Nov. 3.
Goy, Ronald S.: *See*—
Anderson, John, and Goy.
Grabarczyk, Frank A.: *See*—
Bostrom, Harold W., Grabarczyk, and Svanoe.
Grabendike, William F., assignor to Cessna Aircraft Company, Wichita, Kans. Metal furniture. 2,642,126, June 16.
Graber Company, The, assignee: *See*—
Graber, John N.
Graber, Joseph V. and J. N.
Graber, Dorothy and H., Bronx, N. Y. Folding end extensible table with elevating structure. 2,652,300, Sept. 15.
Graber, Herman: *See*—
Graber, Dorothy and H.
Graber, John N.: *See*—
Graber, Joseph V., and J. N.

Graber, John N., Madison, assignor to The Graber Company, Middleton, Wis. Carriage anchorage for traverse cords in drapery fixtures. 2,644,517, July 7.
Graber, John N., assignor to The Graber Company, Middleton, Wis. Traverse rod and supporting bracket. 2,653,344, Sept. 29.
Graber, Joseph V. and J. N., Madison, assignors to The Graber Company, Middleton, Wis. Drapery hanger for traverse rods. 2,654,114, Oct. 6.
Graber, Robert P.: *See*—
Wendler, Norman L., and Graber.
Wendler, Norman L., Graber, and Haven.
Graber, Robert P., Westfield, and N. L. Wendler, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Reduction of steroid ketones with alkali metal borohydride. 2,628,966, Feb. 17.
Graber, Robert P., Westfield, and N. L. Wendler, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Steroids and preparing the same. 2,656,367, Oct. 20.
Graber, Robert P., Westfield, and N. L. Wendler, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Δ^{16}-20-cyano-11-hydroxypregnes. 2,656,368, Oct. 20.
Graber, Robert P., Westfield, and N. L. Wendler, Linden, assignors to Merck & Co., Inc., Rahway, N. J. 3,20-diketo-11,17-dihydroxy-21-acyloxypregnane compounds. 2,656,369, Oct. 20.
Grabiak, George W. and R. W., Reading, Pa. Fishing rod stabilizer. 2,653,406, Sept. 29.
Grabiak, Richard W.: *See*—
Grabiak, George W. and R. W.
Grabill, Peter T., Houston, Tex. Reclining chair. 2,630,163, Mar. 3.
Grabinski, Edward E., Chicago, Ill. Power-driven table tool with portable vertical-shaft motor. 2,652,863, Sept. 22.
Grabinski, Philip, assignor of fifty per cent to R. W. Pointer, Portland, Oreg. Cable connector. 2,630,074, Mar. 3.
Grable, Donovan B., Long Beach, Calif. Fluid circulation head for drill strings. 2,657,016, Oct. 27.
Grable, Donovan B., Long Beach, Calif. Method and apparatus for well drilling and testing. 2,663,545, Dec. 22.
Grable, Donovan B., and W. A. Vock, Long Beach, Calif. Well pipe vibrating apparatus. 2,641,927, June 16.
Gräbner, Willi, assignor to Dr. Lucas & Co., Zell on the Mosel, Germany. Attached closure for containers. 2,639,056, May 19.
Grabowski, Edward W., Harrow-on-the-Hill, England. Laminated ski. 2,648,543, Aug. 11.
Grace, Francis C., New York, and R. G. Artman, Roslyn, N. Y., assignors to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Television test system. 2,646,461, July 21.
Grace, James A., Hazleton, Pa. Plate type undulating flue boiler. 2,652,036, Sept. 15.
Grace, John F., Arlington, assignor to Worthington Corporation, Harrison, N. J. Surface condenser and support therefor. 2,639,123, May 19.
Grace, Robert H.: *See*—
Vordahl, Milton B., Grace, and Eccleston.
Grace, Theodore E., Detroit, Mich. Laterally extensible supports for traction elements. 2,650,104, Aug. 25.
Gracey, William R., Jr., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Paper advancing means for graphic recorders. 2,631,848, Mar. 17.
Gracey, William R., Jr., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Latching mechanism for switch and lock movements. 2,634,365, Apr. 7.
Gracey, William R., Jr., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Electric circuit controller. 2,651,698, Sept. 8.
Grader, Jan, Washington, D. C. Food products and producing the same. 2,640,781, June 2.
Gradisar, Albin A., Snyder, N. Y., assignor to American Optical Company, Southbridge, Mass. Adjustment mechanism for microscopes. 2,662,444, Dec. 15.
Grado, Calogero, San Diego, Calif. Steam coffee maker. 2,637,266, May 5.
Grady, Henry W., Gadsden County, Fla. Cigar perforating device. 2,641,265, June 9.
Grady, Martin J., Bridgman, Mich. Wall fixture support. 2,640,671, June 2.
Grady, John P., Narberth, Pa. Bagmaking and filling machine. 2,656,658, Oct. 27.
Grady, John R.: *See*—
Muschamp, Harold L., and Grady.
Graef, John N., West Bend, Wis. Razor. 2,660,782, Dec. 1.
Graeffinger, William A.: *See*—
Anderson, Carl N., Dennen, and Graeffinger.
Graenacher, Charles, Riehen, H. Bruengger, and A. E. Siegrist, assignors to Ciba Limited, Basel, Switzerland. Heterocyclic azo-dyestuff. 2,653,927, Sept. 29.
Graenacher, Charles, Riehen, H. Bruengger, and A. E. Siegrist, assignors to Ciba Limited, Basel, Switzerland. Heterocyclic azo-dyestuff derivatives. 2,653,928, Sept. 29.
Graf, Fred V., Los Angeles, Calif. Brassière. 2,635,241, Apr. 21.
Graf, Fritz, Ludwigshafen (Rhine), and T. Toepel, Ludwigshafen (Rhine-Oggersheim), assignors to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen am Rhine, Rheinland-Pfalz, Bundesrepublik, Germany. Securing mechanically stressed constructional members to wooden supports. 2,663,662, Dec. 22.
Grafani, Leon B., Brooklyn, N. Y., and N. B. Chebot, Fall River, Mass., assignors to Small Turbine Corporation, New York, N. Y. Water turbine operated rotary fountain brush. 2,632,191, Mar. 24.
Graff, Alan R.: *See*—
Melchior, Wilhelm A., and Graff.
Graff, Alvin R., Westfield, N. J., assignor to Standard Oil Development Company. Production of substantially pure and anhydrous alcohols by distillation. 2,640,017, May 26.
Graff, Joseph, assignee: *See*—
Spalding, Clarence A.
Graffius, John R.: *See*—
Graffius, Roy M., and J. R.
Graffius, Roy M., Trafford, and J. R., Houtzdale, Pa. Folding chair. 2,635,676, Apr. 21.
Graflex, Inc., assignee: *See*—
Jacobson, Irving, Brundage, and Moore.
Nerwin, Hubert.
Steiner, Oscar.
Graham, Alexander: *See*—
Burn, Philip H., Graham, and Lorimer.
Graham, Arthur H.: *See*—
Thompson, Rea W., and Graham.
Graham & Barker, assignee: *See*—
Graham, George C.
Graham, Benton L., Cactus, Tex., assignor to Phillips Petroleum Company. Crystallization process and apparatus. 2,651,922, Sept. 15.
Graham, Bernard A., Chicago, and I. Jepson, Oak Park, assignors to Sunbeam Corporation, Chicago, Ill. Food mixer. 2,643,864, June 30.
Graham, Boynton, Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blends of polyamides and polymeric polyamines. 2,636,873, Apr. 28.
Graham, Bruce, P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion with colored couplers containing isophthalic ester groups. 2,657,134, Oct. 27.
Graham, Charles W., Decatur, Ill. Car end straightener. 2,633,892, Apr. 7.
Graham, Early L., Henderson, Tex. Combination carpenter's tool. 2,624,544, Jan. 6.
Graham, Erwin W., Parma Heights, Ohio, assignor, by mesne assignments, to Cleveland Instrument Company. Measuring device. 2,627,062, Jan. 27.
Graham, Erwin W., Parma Heights, Ohio, assignor to Cleveland Instrument Company. Electromagnetic pick-up for gauging devices. 2,627,119, Feb. 3.
Graham, Erwin W., Parma Heights, and W. O. Mintel, Shaker Heights, assignors to Cleveland Instrument Company, Cleveland, Ohio. Internal gauge. 2,642,671, June 23.
Graham, George C., assignor, by mesne assignments, to Graham & Barker, Ridgewood, N. J. Washing machine. 2,648,964, Aug. 18.
Graham, George C., assignor, by mesne assignments, to Graham & Barker, Ridgewood, N. J. Washing and extracting machine having a flexible diaphragm. 2,654,240, Oct. 6.
Graham, George C., Ridgewood, N. J. Washing machine having flexible extractor and automatic control. 2,657,564, Nov. 3.
Graham, George C., assignor to Graham & Barker, Ridgewood, N. J. Washing machine. 2,663,176, Dec. 22.
Graham, George K.: *See*—
Goodale, Elmer D., and Graham.
Graham, George M., assignor to Kent-Moore Organization Inc., Detroit, Mich. Connecting rod aligner. 2,637,118, May 5.
Graham, George M., Fort Lauderdale, Fla., assignor to Kent-Moore Organization, Inc., Detroit, Mich. Process of and apparatus for removing carbon from the interior walls of combustion chambers. 2,651,887, Sept. 15.
Graham, George W., Beloeil, Quebec, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Apparatus for measuring electrostatic charges. 2,663,842, Dec. 22.
Graham, Harold J., Highland Park, assignor to Graham Manufacturing Corporation, Ferndale, Mich. Welding system. 2,625,638, Jan. 13.
Graham, Harold J., Highland Park, assignor to Graham Manufacturing Corporation, Detroit, Mich. Welding device. 2,644,068, June 30.
Graham, Harold J., Highland Park, and P. F. Powder, assignors to Graham Manufacturing Corporation, Detroit, Mich. Orienting device. 2,662,626, Dec. 15.
Graham, Henry H., assignee: *See*—
Perkins, W. B.
Graham, John D.: *See*—
Kincaid, Homer F., Graham, Reynolds, and Wharff.
Graham, John M.: *See*—
Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
Graham, John W., Ligonier, assignor to Kennametal Inc., Latrobe, Pa. Oxidation-resistant hard composition. 2,654,145, Oct. 6.
Graham, Joseph P.: *See*—
Mason, Robert S., Graham, and Hearns.

Graham, Leonard D., Lynwood, Calif. Line spooling device for fishing reels. 2,639,870, May 26.

Graham Manufacturing Corporation, assignee: *See*—
Graham, Harold J.
Graham, Harold J., and Powder.

Graham, Marion E.: *See*—
Crowley, Henry L., Graham, and Beidler.
Whitehouse, Irving P., and Graham.

Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Clamp positioner. 2,644,702, July 7.

Graham, Matthew P., Grosse Pointe, and M. H. Alldredge, Detroit, Mich, assignors to Thompson Products, Inc., Cleveland, Ohio. Ball joint. 2,635,906, Apr. 21.

Graham, Maurice H.: *See*—
Polivka, John N., and Graham.

Graham, Maurice H., Minneapolis, Minn., assignor to General Mills, Inc. Alternating current-direct current flatiron. 2,636,972, Apr. 28.

Graham, Maurice H., Minneapolis, Minn., assignor to General Mills, Inc. Pressure cooker relief device. 2,661,864, Dec. 8.

Graham, Maurice H., Minneapolis, Minn., assignor to General Mills, Inc. Waffle iron. 2,663,785, Dec. 22.

Graham, Maxim L.: *See*—
Volkmann, John E., and Graham.

Graham, Merle J., Dickinson, N. Dak. Flush gun for automobile radiators. 2,639,908, May 26.

Graham, Ollie W., assignor to Instruments, Inc., Tulsa, Okla. Method and apparatus for controlling a dredging operation. 2,661,550, Dec. 8.

Graham, Philip J., assignor to Trig Corporation, Worcester, Mass. Hinge for molded plastic parts and making the same. 2,624,907, Jan. 13.

Graham, Robert C.: *See*—
Perry, John H., Jr., and Graham.

Graham, Robert E., Floral Park, N. Y., assignor to Sylvania Electric Products Inc. Switching apparatus for electron tube capacitance measurements. 2,652,534, Sept. 15.

Graham, Robert E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system having reduced transmission bandwidth. 2,629,010, Feb. 17.

Graham, Robert E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system having reduced transmission bandwidth. 2,629,011, Feb. 17.

Graham, Robert E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control system. 2,636,149, Apr. 21.

Graham, Robert E., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motional correlation in reduced band width television. 2,652,449, Sept. 15.

Graham, Roy G., and O. F. Tallman, assignors to James R. Kearney Corporation, St. Louis, Mo. Apparatus for connecting portable telephones to lines in the field. 2,648,052, Aug. 4.

Graham, Shirly L., Ellicott City, and H. H. Howard, Simpsonville, Md. Sound producing device. 2,637,293, May 5.

Graham, Thomas T., assignor of one-half to O. P. Alexander, Houston, Tex. Rechargeable pressure spray device. 2,659,629, Nov. 17.

Graham Tie Dowel Service Company, assignee: *See*—
De Anguera, Philip.

Graham, Tom S., Alvin, Tex., assignor to Phillips Petroleum Company. Well drilling rig. 2,628,818, Feb. 17.

Graham, William R., Jr., Wilmette, Ill., G. O. Kohler, Mission, Kans., and R. D. Hoover, Kansas City, Mo., assignors to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Iodinating proteins and their derivatives. 2,650,914, Sept. 1.

Graham, William T., Amarillo, Tex. Clamp for vibrating shank plows. 2,627,798, Feb. 10.

Graham, William T., Amarillo, Tex. Winged wheeled harrow. 2,641,886, June 16.

Graham, William T., Amarillo, Tex. Plow with snubber attachment. 2,653,532, Sept. 29.

Graham, William T., Amarillo, Tex. Overriding shank for resilient shank plows. 2,656,778, Oct. 27.

Graham, William T., Amarillo, Tex. Implement-seeder combination. 2,657,652, Nov. 3.

Grahame, Frederick W.: *See*—
Torrisi, Alfred F., and Grahame.

Gralenski, Nicholas M., Millers Falls, Mass. Tractor ditch digging attachment. 2,651,859, Sept. 15.

Gram, Carl F., Rowayton, Conn., assignor to North American Rayon Corporation, New York, N. Y. Forming thread. 2,639,214, May 19.

Gramatky, Ferdinand G., West Sacramento, Calif. Asphalt spreading device. 2,639,625, Nov. 17.

Gramegna, Franco, Milan, Italy, assignor to St. Regis Paper Company, New York, N. Y. Bag bottom forming device. 2,641,167, June 9.

Gramelspacher, Clarence U., Jasper, Ind. Pulp wood product and manufacturing. 2,649,034, Aug. 18.

Gramelspacher, Clarence U., Jasper, Ind. Making plywood from wood waste and product resulting therefrom. 2,663,661, Dec. 22.

Gramly, Ralph P.: *See*—
Derror, Fred L., and Gramly.

Granacher, John K., San Francisco, Calif. Flagpole ornament. 2,662,324, Dec. 15.

Granade, Fred C., and G. H. A. Ruby, Chicago, Ill., assignors to National Lead Company, New York, N. Y. Compound bore cutting machine. 2,645,162, July 14.

Granata, Clarence: *See*—
Vacanti, Michael C., and Granata.

Granath, Axel G., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Molding drum. 2,630,608, Mar. 10.

Granberg, Albert J., Oakland, Calif. Manually portable crankcase drain pump assembly. 2,635,550, Apr. 21.

Granberg, Albert J., Oakland, Calif. Liquid dispensing apparatus having protected quantity control mechanism and counter. 2,655,285, Oct. 13.

Grand, Constantine G., New York, N. Y. Light meter for microphotography. 2,659,268, Nov. 17.

Grand Industries, Inc., assignee: *See*—
Kennedy, Emmett F.

Grand Specialties Company, assignee: *See*—
Hopfeld, Fred P.

Grandjean, William B., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Manufacture of tetraethyllead. 2,661,361, Dec. 1.

Grandjot, Walter, Bremen, Germany. Audiometric apparatus. 2,663,377, Dec. 22.

Grandmont, Paul E., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse generator. 2,629,823, Feb. 24.

Grand Rapids Store Equipment Company, assignee: *See*—
Vanderveld, Anthony.
Vanderveld, Anthony, and Logie.

Grandrud, Ebenhard S., Owatonna, Minn. Soil pulverizer. 2,635,403, Apr. 21.

Grandstaff, Otho D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voice current repeater. 2,644,044, June 30.

Grand Union Company, The, assignee: *See*—
Just, George A.
Shield, Lansing P.

Granet, Charles, Courbevoie, and M. Helbig, Paris, France. Double-acting hydraulic piston shock absorber. 2,646,136, July 21.

Grangaard, Donald H., Appleton, assignor to Paper Patents Company, Neenah, Wis. Continuously uniting resin impregnated cellulosic webs for decorative coverings. 2,640,799, June 2.

Grangaard, Donald H., Appleton, assignor to Paper Patents Company, Neenah, Wis. Manufacturing fibrous sheet covered plywood. 2,656,290, Oct. 20.

Granger, Elmer E., Reno, Nev. Water heater. 2,653,583, Sept. 29.

Granger, Fred P., Jr., Garland, Tex. Electrical converting apparatus. 2,635,222, Apr. 14.

Granger, John V.: *See*—
Christensen, John W., Granger, and Wedel.

Granlund, Håkon M., Oslo, Norway. Chair. 2,650,645, Sept. 1.

Granne, Rose, Brooklyn, N. Y. Garment. 2,624,049, Jan. 6.

Grano, Waldo W., assignee: *See*—
Snyder, Peter.

Gransden, Lyle, Edenville, Mich. Beet topping mechanism. 2,663,986, Dec. 29.

Grant, Allan, and K. Tomlinson, Chicago, Ill. Apparatus for removing membrane or skin from animal stomachs. 2,630,599, Mar. 10.

Grant, Andrew G.: *See*—
Grant, David A. and A. G.

Grant, Charles H., New Rochelle, N. Y. Aircraft aileron control. 2,635,837, Apr. 21.

Grant, Charles H., New Rochelle, N. Y. Airplane with stabilizing fins. 2,649,265, Aug. 18.

Grant, Charles R. A., London, England, assignor of one-half to Pressure Gauges Limited, Dublin, Eire. Piston and cylinder type fluid pressure gauge connecting device. 2,658,391, Nov. 10.

Grant, Charles R. A., London, England, assignor of one-half to Pressure Gauges Limited, Dublin, Ireland. Protective connector for pressure gauges. 2,661,625, Dec. 8.

Grant, Connie, trustee, assignee: *See*—
Grant, David A. and A. G.

Grant, David A., Seattle, Wash., and A. G. Grant, New York, N. Y., assignors to A. G., D. A., and C. Grant and T. Marshall, as trustees of D. H. Grant, deceased. Machine for cutting and loading corn and like crops. 2,648,942, Aug. 18.

Grant, David H., assignee: *See*—
Grant, David A. and A. G.

Grant, F. Eugene, Arlington, Mass., and L. Katz, Sutherland, Saskatchewan, Canada, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beacon radar system. 2,656,530, Oct. 20.

Grant, Frank A., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to Paper Strap, Inc., Portland, Oreg. Apparatus and method for attaching handles to bags. 2,635,510, Apr. 21.

Grant, Garnet P., Jr., Old Greenwich, Conn., assignor to Grant Photo Products, Inc., New York, N. Y. Film receiving frame. 2,629,303, Feb. 24.

Grant, George W., Bucyrus, Ohio. Producing dentures. 2,641,802, June 16.

Grant, Gordon A.: *See*—
Beall, Desmond, and Grant.
Beall, Desmond, Grant, and Legault.
Von Seemann, Carl, and Grant.

Grant, Harry C., Jr., Ridgewood, assignor to Specialties Development Corporation, Belleville, N. J. Fluid sampling apparatus. 2,644,934, July 7.

Grant, Harry C., Jr., Ridgewood, assignor to Specialties Development Corporation, Belleville, N. J. Fluid medium operated time delay apparatus. 2,663,153, Dec. 22.

Grant, Helen G., Arden, N. C. Cake display package. 2,630,915, Mar. 10.

Grant, Jesse R., Chicago, Ill. Egg tray and cover. 2,656,945, Oct. 27.

Grant, John A., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Battery separator. Re. 23,644, Apr. 14.

Grant, John C.: *See*—
Miller, De Mont G., and Grant.

Grant, John C., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Tandem type pipe wiper. 2,655,679, Oct. 20.

Grant, John L., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,632,601, Mar. 24.

Grant, Lee A., Flint, Mich. Feeler gauge. 2,654,957, Oct. 13.

Grant, Max L., assignee: *See*—
Ingraham, Elmer C.

Grant Oil Tool Company, assignee: *See*—
Emanuel, Vincent.
Maxwell, Wilber A., and Engstrand.
Santiago, James J.

Grant, Oscar, Jr., and C. H. Jackson, assignors to Art-Rich Manufacturing Company, Dalton, Ga. Tufting machine. 2,637,289, May 5.

Grant Photo Products, Inc., assignee: *See*—
Grant, Garnet P., Jr.

Grant Pulley & Hardware Corporation, assignee: *See*—
Gussack, Seymour I.

Grant, Reginald H., Somes Bar, Calif. Bark-removing tool having oppositely rotating toothed rollers. 2,652,868, Sept. 22.

Grant, Samuel, assignor to Helene Curtis Industries, Inc., Chicago, Ill. Hair testing device. 2,627,179, Feb. 3.

Grant, Ulysses F.: *See*—
Reynolds, Schuyler, and Grant.

Grantham, Frederick W., Los Angeles, Calif. Laundry apparatus. 2,643,463, June 30.

Graphic Arts Research Foundation, Inc., assignee: *See*—
Grés, Itené, Higonnet, and Moyroud.
Higonnet, René, and Moyroud.

Gras, André: *See*—
Vibond, Albert, and Gras.

Grashel, Hugh E., assignee: *See*—
Arbuckle, John L.

Grass, Albert M., Quincy, Mass. Oscillograph. 2,660,510, Nov. 24.

Grathwohl, Herbert F., Bronx, N. Y. Fishing lure. 2,650,450, Sept. 1.

Gratian, Joseph W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Magnetic recording and reproducing head. 2,632,816, Mar. 24.

Graton & Knight Company, assignee: *See*—
Chouinard, Albert E.

Gratzmuller, Jean L., Paris, France. Pressure reducing valve device. 2,635,392, Apr. 21.

Grau, Jaime C., Tarrasa Spain. Venetian blind. 2,645,282, July 14.

Grauer, Carl T., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Shielded switch assembly. 2,628,297, Feb. 10.

Graul, Fritz P.: *See*—
Gazeley, William E., Meysner, and Graul.

Graumann, Raymond L., Alexandria, Va. Hydrostatic tail fuse. 2,652,777, Sept. 22.

Graupner, Arthur H., Oshkosh, Wis. Dual edging. 2,656,880, Oct. 27.

Gravatt, William H., Overland Park, Kans. Disposable liner for garbage cans. 2,634,880, Apr. 14.

Graven, Nettie E., Wooster, Ohio. Portable folding house construction. 2,634,462, Apr. 14.

Gravenhorst, Everett G.: *See*—
Kupiec, Harry P., and Gravenhorst.

Graveno, John C., South Euclid, assignor of one-half to J. E. Stern, East Cleveland, Ohio. Container. 2,634,896, Apr. 14.

Graveno, John C., South Euclid, assignor of one-half to J. E. Stern, East Cleveland, Ohio. Automobile signal device. 2,650,963, Sept. 1.

Gravenstine, George E., and R. H. Hummert, assignors to Standard-Thomson Corporation, Dayton, Ohio. Window operating device. 2,635,485, Apr. 21.

Graver Tank & Mfg. Co., Inc., assignee: *See*—
Durdin, Augustus C., III.
Meyer, Amel R.
Ulm, Reign C.

Graves, Darwin E., Solsberry, Ind. Seed depositing mechanism. 2,636,459, Apr. 28.

Graves, Forrest G., Glendale, Calif. Trouble light guard. 2,652,484, Sept. 15.

Graves, Frederick G., Parma, assignor to J. W. Macklin, Cleveland, Ohio, trustee. Self-ignition internal-combustion engine. 2,657,677, Nov. 3.

Graves, Harold E., Jr., assignor to Brown-Graves Company, Akron, Ohio. Hardware for swinging sliding storm sashes. 2,654,127, Oct. 6.

Graves, Herbert C., Jr., Wilkinsburg, assignor to Gibson Electric Company, Pittsburgh, Pa. Serrated contact. 2,641,670, June 9.

Graves, Herbert C., Jr., Wilkinsburg, assignor to Gibson Electric Company, Pittsburgh, Pa. Electrical contact. 2,648,747, Aug. 11.

Graves, Mark, Cleveland Heights, Ohio. Drill. 2,640,379, June 2.

Graves, Robert C., Washington, D. C. Apparatus for preserving meat. 2,629,311, Feb. 24.

Graviner Manufacturing Company Limited, assignee: *See*—
Mathisen, Anders.

Gravley, Charles K.: *See*—
Szegvari, Andrew, and Gravley.

Graw, Harry J., assignee: *See*—
Schlegel, Franz.

Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for mixing materials. 2,628,204, Feb. 10.

Gray, Alvin N., Edgewood, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Sheathing cable cores. 2,629,921, Mar. 3.

Gray, Arthur W., Rockland, Maine. Chimney cowl. 2,660,106, Nov. 24.

Gray, Bowman W., Odessa, Tex. Pipe handling apparatus. 2,643,007, June 23.

Gray, Charles B., Springfield, Pa. Hand-held motor-driven shear. 2,631,370, Mar. 17.

Gray, Charles W., Alameda, Calif., assignor to Trail Equipment Company. Superstructure and bunk frame arrangement for camp trailers. 2,632,667, Mar. 24.

Gray, Chesleigh, deceased, Indianapolis, Ind., M. E. Gray, executrix. Air and moisture meter. 2,635,459, Apr. 21.

Gray, Claud W., San Bernardino, Calif. Safety brake for vehicles. 2,638,194, May 12.

Gray, Cloyd E.: *See*—
Sherman, Roger M., Mulligardt, and Gray.

Gray Company, Inc., assignee: *See*—
Hammer, Karl E.

Gray, David D., Mosman Park, Western Australia, Australia. Device for measuring and discharging fluids delivered thereto under pressure. 2,652,953, Sept. 22.

Gray, Donald E., Teaneck, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Capacitor terminal bushing with auxiliary sealing ring. 2,630,470, Mar. 3.

Gray, Edward J., deceased, New Nork, N. Y.; I. C. Gray, executrix of said E. J. Gray. Razor blade magazine. 2,644,576, July 7.

Gray, Emanuel, Far Rockaway, N. Y. Metallic mating and framing member. 2,632,534, Mar. 24.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code communication. 2,632,058, Mar. 17.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Storage device utilizing semiconductor. 2,657,309, Oct. 27.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reproduction of signals from magnetic records. 2,657,377, Oct. 27.

Gray, Frank, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse translation apparatus. 2,657,378, Oct. 27.

Gray, Franklin D., Hillsburgh, Ontario, and E. G. Snyder, Preston, Ontario, Canada. Device for separating potatoes from stones. 2,656,921, Oct. 27.

Gray, G. A., Company, The, assignee: *See*—
Walter, John M.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.
Pratt, Verneur E., Gray, and Pfaff.

Gray, Glen G., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of photographic papers having good curl characteristics. 2,659,680, Nov. 17.

Gray, Howard A., Jr., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Automatically controlled photoelectric iris. 2,655,848, Oct. 20.

Gray, Howard H.: *See*—
Messinger, Bernard L., Gray, and Ilicholt.

Gray, Hugh W., Wilmington, and C. W. Theobald, Roselle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of beta-methylene-beta-propiolactone copolymers. 2,653,146, Sept. 22.

Gray, Irene C., executrix: *See*—
Gray, Edward J.

Gray, John B., III, Essex, and S. M. Martin, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand supply apparatus. 2,650,772, Sept. 1.

Gray, John S.: *See*—
Sproule, Lorne V. and Gray.

Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Constant current device. 2,640,962, June 2.

Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical comparator circuit. 2,653,285, Sept. 22.

Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Square wave generator. 2,653,242, Sept. 22.

Gray, Kenneth R., and H. L. Crosby, assignors to Rayonier Incorporated, Shelton, Wash. Recovering chemicals from smelts obtained in pulping operation. 2,656,244, Oct. 20.

Gray, Kenneth R., and H. L. Crosby, assignors to Rayonier Incorporated, Shelton, Wash. Preparation of sodium salts of carbonic acid by ion exchange. 2,656,245, Oct. 20.

Gray, Kenneth R., and H. L. Crosby, assignors to Rayonier Incorporated, Shelton, Wash. Preparation of a sodium bisulfite solution. 2,656,249, Oct. 20.

Gray, Landon R., Redondo Beach, and H. P. Smith, Jr., Los Angeles, assignors to R. Seifried, Venice, Calif. Position-controlling means for gripping jaws. 2,632,493, Mar. 24.

Gray Manufacturing Company, The, assignee: *See*—
Helm, Charles W., Jr.
Moore, Frank L., and Roberts.

Gray, Mary E., executrix: *See*—
Gray, Chesleigh.

Gray Metal Products, Inc., assignee: *See*—
Gray, William J.

Gray-Mills Corporation, assignee: *See*—
Zaber, Adolph J.

Gray, Percy, Richmond, Calif., assignor of one-half to W. Gray, Washington, D. C. Adjustable scaffold clamp. 2,656,223, Oct. 20.

Gray, Percy, Richmond, Calif., assignor of one-half to W. Gray, Washington, D. C. Scaffold clamping device. 2,656,224, Oct. 20.

Gray, Richard O.: *See*—
Cotsworth, Albert, III, Gray, and Reeves.
Roschke, Erwin M., and Gray.

Gray, Richard O., and E. M. Roschke, Broadview, Ill., assignors to Zenith Radio Corporation. Subscriber television system. 2,656,406, Oct. 20.

Gray, Richard O., and E. M. Roschke, Broadview, Ill., assignors to Zenith Radio Corporation. Subscriber signaling system. 2,656,408, Oct. 20.

Gray, Robert, Baltimore, Md. Repeating alarm clock. 2,660,024, Nov. 24.

Gray, Robert B., assignor to American Meter Company, Erie, Pa. Gas metering system control. 2,630,820, Mar. 10.

Gray, Robert L., Schenectady, N. Y., and C. S. Grimshaw, Erie, Pa., assignors to General Electric Company. Condition responsive electric switch mechanism. 2,658,121, Nov. 3.

Gray, Robert M., Sheffield, Ala. Pallet cleaning and lubricating apparatus. 2,630,781, Mar. 10.

Gray, Russell J., Meadeville, Minn. Bunghole adapter. 2,646,293, July 21.

Gray, Samuel M., Marblehead, and R. C. Svenson, Beverly, assignors to Sylvania Electric Products Inc., Salem, Mass. Electric discharge device starter. 2,656,488, Oct. 20.

Gray, Thomas D.: *See*—
Cleaver, Richard F., and Gray.

Gray Tool Company, assignee: *See*—
Crain, Robert L.
Mueller, Robert A., and Crain.

Gray, William, assignee: *See*—
Gray, Percy.

Gray, William C., assignor to The Detroit Edison Company, Detroit, Mich. Paint stirrer. 2,650,581, Nov. 17.

Gray, William J., assignor to Gray Metal Products, Inc., Rochester, N. Y. Lock seam for pipe sections. 2,634,761, Apr. 14.

Gray, Willis J., Detroit, Mich. Tray cabinet. 2,652,309, Sept. 15.

Graybeal, Bruce A., Conowingo, Md., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for fiberizing mineral materials. 2,663,051, Dec. 22.

Graybill, Hershey R., Manheim, assignor to Animal Trap Company of America, Lititz, Pa. Gun trap and safety setting device. 2,624,148, Jan. 6.

Graybill, Hershey R., Manheim, assignor to Animal Trap Company of America, Lititz, Pa. Chemical gun trap. 2,654,178, Oct. 6.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Counting relay. 2,639,416, May 19.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Making rotary switch wipers. 2,641,050, June 9.

Graybill, Kenneth W., Elmhurst, and H. Sengebusch, Villa Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Switching apparatus. 2,658,111, Nov. 3.

Graybrook, Herbert W., Irwin, and E. W. Ames, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressor motor control system. 2,629,537, Feb. 24.

Grayhill, assignee: *See*—
Hill, Ralph M.

Grayson-Greenamyer, Inc., assignee: *See*—
Grayson, John H.

Grayson, Harry: *See*—
Starr, Arthur T., and Grayson.

Grayson, John F., San Diego, Calif. Off-center lock. 2,634,474, Apr. 14.

Grayson, John H., assignor to Grayson-Greenamyer, Inc., Monrovia, Calif. Thermostatic valve structure. 2,656,983, Oct. 27.

Grayson, Richard D., Monrovia, assignor, by mesne assignments, to General Controls Co., Glendale, Calif. Universal safety temperature control. 2,650,028, Aug. 25.

Graziano, Sam F., Tampa, Fla. Fluid flow dual port control valve. 2,662,722, Dec. 15.

Gréa, René, Villeurbanne, France, R. Higonnet, and L. M. Moyroud, assignors to Graphic Arts Research Foundation, Inc., Cambridge, Mass. Variable escapement. 2,636,588, Apr. 28.

Greatbatch, William H., Jr., Indianapolis, Ind. Spring lock socket. 2,635,131, Apr. 14.

Greathead, Phillip L.: *See*—
Laird, William A., and Greathead.

Greatholder, Cyril G., assignor to Lotus Limited, Stafford, England. Binding turning machine as employed in the manufacture of footwear. 2,659,910, Nov. 24.

Greathouse, Ira L., assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Wire twister. 2,657,718, Nov. 3.

Great Lakes Carbon Corporation, assignee: *See*—
Hickey, John H.
Martin, Samuel W.
Miscall, Jack.
Miscall, Jack, and Rahr.

Great Lakes Manufacturing Corporation, assignee: *See*—
Kanuch, John A.

Great Lakes Tractor Company, The, assignee: *See*—
Kantz, John J., Jr., and Lindell.

Greatrex, Ferdinand B., and F. R. Murray, Newstead Abbey, Linby, assignors to Rolls-Royce Limited, Derby, England. Device for reducing or preventing ice formation on compressors of gas-turbine engines. 2,630,965, Mar. 10.

Great Western Sugar Company, The, assignee: *See*—
Davies, H. Frank.

Greaves, Charles D., and W. D. Parker, assignors to C. D. Patents Limited, London, England. Manufacture of carbon molded bodies. 2,637,072, May 5.

Greaves, Charles D., and W. D. Parker, assignors to C. D. Patents Limited, London, England. Manufacture of carbonaceous molding compositions. 2,640,787, June 2.

Greaves, Joseph, Toston, Mont. Storage bin. 2,654,917, Oct. 13.

Grebe, Otto, assignor to Elektro-Mechanik G. m. b. H., Olpe, Germany. Electrohydraulic actuating device. 2,631,431, Mar. 17.

Grebe, Otto, Olpe, and W. Sussebach, Gerlingen, near Olpe, assignors to Elektro-Mechanik G. m. b. H., Olpe, Germany. Electrohydraulic actuating device. 2,636,347, Apr. 28.

Grebey, George F., Portsmouth, R. I. Automatic carbine. 2,640,396, June 2.

Greb-Lasky, Frank, Hawthorne, N. J. Clip-on suit presser. 2,635,368, Apr. 21.

Greco, Anthony, Hasbrouck Heights, N. J. Blind stitch machine. 2,658,464, Nov. 10.

Greco, John J., Brooklyn, N. Y. Lens adjusting tool. 2,644,355, July 7.

Greco, Ralph, assignor to Vanity Corset Company, Inc., New York, N. Y. Girdle. 2,641,762, June 16.

Grede, Charles C., Denville, N. J. Vibrator unit for multicolor printing presses. 2,645,997, July 21.

Greefkes, Johannes A.: *See*—
Schouten, Jan. F., De Jager, and Greefkes.

Greeley, Leo O., assignor to General Sales Company of Cadillac, Cadillac, Mich. Wheel unit mounting. 2,657,935, Nov. 3.

Greemen, John G., Detroit, Mich. Incinerator with secondary combustion chamber for volatiles. 2,646,758, July 28.

Green, Arthur H.: *See*—
Guernsey, Glen A., and Green.

Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Paper with improved printing characteristics. 2,641,557, June 9.

Green, Carl D., Orchards, Wash. Duck call. 2,642,699, June 23.

Green, Carl J., Oak Ridge, Tenn. Variable-speed top. 2,630,653, Mar. 10.

Green, Carl J., Oak Ridge, Tenn. Carburetor. 2,650,582, Sept. 1.

Green, Charles V., Pasadena, Calif. Forming waterproof garments. 2,650,182, Aug. 25.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,640,300, June 2.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Grinding machine for shaping surfaces. 2,660,836, Dec. 1.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Cam grinding machine. 2,660,838, Dec. 1.

Green, Daniel C., assignor to Wesel Manufacturing Company, Scranton, Pa. Router bit grinder. 2,629,974, Mar. 3.

Green, David: *See*—
Jacobsen, Bent B., Daly, Thomas, Wolfson, Shepard, and Green.

Green, David V. M.: *See*—
Maurer, Winfield G., and Green.

Green, Donald T., assignor to Eldorado Mining and Refining (1944) Limited, Ottawa, Ontario, Canada. Beam therapy unit. 2,649,549, Aug. 18.

Green, Donald W., trustee, assignee: *See*—
McGill, Daniel F.

Green, Duke D., San Francisco, Calif. Label-applying device. 2,635,235, Apr. 21.

Green, Edward L.: *See*—
Kissner, James E., Green, and Kissner.

Green, Edwin T., Cambridge, Mass. Engraving machine. 2,627,658, Feb. 10.

Green, Estill I., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone equalizer circuit. 2,645,681, July 14.

Green, Frank A., Islip, N. Y., assignor to Chicago Steel and Wire Company, Chicago, Ill. Wire package. 2,624,526, Jan. 6.

Green, Frank L., Rockton, Ill. Feed finger for automatic screw machines and gripping element therefor. 2,624,102, Jan. 6.

Green, Frederick H.: *See*—
Scofield, Paul C., and Green.

Green, Harold J., West Branch, Mich. Universal trailer sleeping unit. 2,658,212, Nov. 10.

Green, Henry C., Fayetteville, Ark. Camera flash unit. 2,630,693, Mar. 10.

Green, Herman, Garden City, N. Y. Waterproofing unit. 2,648,264, Aug. 11.

Green, Irvin T., Jr., Roxbury, Conn. Nonskid barrette. 2,630,811, Mar. 10.

Green, Isaac H. C., assignor to Hemphill Company, Pawtucket, R. I. Knitting. 2,626,516, Jan. 27.

Green, Isaac H. C., Pawtucket, and J. Wawzonek, Central Falls, assignors to Hemphill Company, Pawtucket, R. I. Yarn lever controlling mechanism. 2,625,808, Jan. 20.

Green, James H., West Orange, and W. Makenny, Mountain View, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic multiple cavity molding with dielectric preheat. 2,639,465, May 26.

Green, Larry Q., New Castle County, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Solvent-soluble water-repellency compositions. 2,628,170, Feb. 10.

Green, Larry Q., New Castle County, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solvent-soluble water-repellency compositions. 2,628,171, Feb. 10.

Green, Lawrence C.: *See*—
Favara, Louis, and Green.

Green, Lee B., Lakewood, Ohio. Bending machine having oscillating anvil die and reciprocable ironing die. 2,638,142, May 12.

Green, Loran E., Port Huron, Mich. Belt cleaner. 2,647,619, Aug. 4.

Green, Marjorie F., New York, N. Y. Tension device for belts. 2,651,825, Sept. 15.

Green, Martin J., Chicago, Ill. Garbage disposal unit. 2,646,222, July 21.

Green, Marvin T., Chicago, Ill. Lint remover. 2,658,217, Nov. 10.

Green, Maurice W., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Horizontal axis washer and squeezer extractor. 2,645,916, July 21.

Green, Noel B.: *See*—
Cerny, Joseph A., and Green.

Green, Paul R.: *See*—
Froebel, Carlton A., and Green.

Green, Phillip M., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Well-surveying inclinometer. 2,635,349, Apr. 21.

Green, Phillip M., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Electromechanical interval timer. 2,645,767, July 14.

Green, Ralph V., and E. P. Jensen, Charleston, W. Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Refining of long chain aliphatic alcohols. 2,646,394, July 21.

Green, Richard W., assignor to Rotary Lift Company, Memphis, Tenn. Hinged axle support for automotive vehicle lifts. 2,659,455, Nov. 17.

Green, Robert H., Rocky River, assignor, by mesne assignments, to The Otto Konigslow Mfg. Co., Cleveland, Ohio. Support for electrically heated tools. 2,662,962, Dec. 15.

Green, Samuel G., Gray, Ga. Firing mechanism for firearms. 2,656,636, Oct. 27.

Green, Samuel G., Alexandria, Va., W. H. D'Ardenne, Jenkintown Manor, W. J. Meinel, Huntington Valley, and W. Devore, Horsham Township, Montgomery County, assignors, to Heintz Manufacturing Company, Philadelphia, Pa. Mobile carriage for tripod gun mounts. 2,627,209, Feb. 3.

Green, Stanley A., assignor to Hill-Mar Industries Inc., Buffalo, N. Y. Davenport bed. 2,628,367, Feb. 17.

Green, Thomas: *See*—
Wickell, Floyd, and Green.

Green, Thomas L., & Company, Inc., assignee: *See*—
Hubbard, Frank H.

Green, Thomas S., Midland, Mich. Carrier. 2,625,308, Jan. 13.

Green, Vernon L.: *See*—
Nystrom, Karl F., Green, and Drinka.

Green, Walter F., assignor to The Timken Roller Bearing Company, Canton, Ohio. Quick return cam follower for machine tools. 2,661,637, Dec. 8.

Green, Walter H., Batavia, and J. M. Kahn, Glencoe, assignors to Infilco Incorporated, Chicago, Ill. Water purifying and degasifying apparatus and process. 2,629,680, Feb. 24.

Green, Wesley R., Los Angeles, and V. E. Long, Inglewood, Calif. Hand band saw. 2,625,964, Jan. 20.

Green, William G., Dallas, Tex., assignor to Engineering Laboratories, Incorporated, Tulsa, Okla. Drill bit. 2,654,577, Oct. 6.

Green, William P., Los Angeles, Calif. Valve structure. 2,639,116, May 19.

Greenamyer, George P., Monrovia, Calif. Pilot burner with built-in thermocouple. 2,649,490, Aug. 18.

Greenawalt, John E., Bronxville, N. Y. Conversion of sodium sulfide to sodium sulfite. 2,642,336, June 16.

Greenbank, George R., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Method and apparatus for solvent extraction. 2,626,265, Jan. 20.

Greenbank, George R., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Continuous cooker. 2,653,084, Sept. 22.

Greenbaum, Arthur, Bronx, assignor to Academy Electrical Products Corp., New York, N. Y. Electrical connector. 2,658,184, Nov. 3.

Greenberg, Elbert E., Cincinnati, Ohio. Stencil duplicating device. 2,627,808, Feb. 10.

Greenberg, Emanuel M., New York, N. Y. Obstetrical forceps. 2,637,320, May 5.

Greenberg, Harry D., and I. L. Sutton, assignors to Sports-Styles, Inc., Rockford, Ill. Lined cap construction. 2,644,949, July 14.

Greenberg, Irving M., New York, N. Y. Radiographic clinometer. 2,649,548, Aug. 18.

Greenberg, Joseph, New Rochelle, and G. S. Perkins, assignors to National Equipment Corporation, New York, N. Y. Confectionery machine. 2,648,295, Aug. 11.

Greenberg, Samuel, assignee: *See*—
Torbert, Everyl M.

Greenberg, Stanley D., Philadelphia, Pa. Apparatus for measuring yardage of decated material. 2,626,536, Jan. 27.

Greenberger, Joseph I., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Joining sections of strip for a uniform-speed continuous-feed strip-treating line. 2,662,271, Dec. 15.

Greenburg, Herman E., Portland, and O. H. Olson, Garden Home, Oreg. Chase and form cooler. 2,642,725, June 23.

Greene, Albert D., Alpha, Ohio. Electronic equipment cooling means. 2,643,282, June 23.

Greene, Albert E., Evergreen Point, Medina, Wash. Electric induction furnace. 2,641,621, June 9.

Greene, Arnold O., Austin, Minn. Measuring scoop with ejection mechanism. 2,660,784, Dec. 1.

Greene, Benjamin F., Jr., Brighton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Craft identification device. 2,633,568, Mar. 31.

Greene, Benjamin N., and S. S. Franklin, Miami Beach, Fla. Lip imprinting device. 2,646,054, July 21.

Greene, Charles E., assignor to The General Tire and Rubber Company, Akron, Ohio. Polyvinyl composition and making same. 2,654,723, Oct. 6.

Greene, Chester W., Lynn, assignor, by mesne assignments, to Naumkeag Steam Cotton Company, Salem, Mass. Doffing mechanism for spinning machines. 2,628,468, Feb. 17.

Greene, Claude E., and R. B. Lesher, Sidney, Ohio, assignors to The Monarch Machine Tool Company. Semi-automatic turret lathe. 2,656,589, Oct. 27.

Greene, Dorothea R., administratrix: *See*—
Greene, William K.

Greene, G. G., Manufacturing Corporation, assignee: *See*—
Erik, Karl.

Greene, George F.: *See*—
Scott, Benjamin B., Greene, and Valentine.

Greene, George T., Bolivar, Tenn. Reel for gathering low lying crops. 2,639,570, May 26.

Greene, Glenn G., Jr., Warren, Pa. Cap and hanger for cleaning implements. 2,660,392, Nov. 24.

Greene, Haskell M., Whittier, Calif. Cleaning of well perforations. 2,650,539, Sept. 1.

Greene, Herbert A., Philadelphia, Pa. Apron. 2,629,871, Mar. 3.

Greene, Leonard M., Scarsdale, N. Y. Airplane instrument. 2,624,529, Jan. 6.

Greene, Norman M., Valley Stream, N. Y. Manually operated solder feeder for electric soldering irons. 2,643,321, June 23.

Greene, Otto W., Rochester, N. Y., assignor to The Pfaudler Company. Glass-lined pump. 2,658,454, Nov. 10.

Greene, Percy E., Denville, N. J., assignor to Leventhal Patents, Inc., New York, N. Y. Automatic wind and rewind system for strip materials. 2,661,163, Dec. 1.

Greene, Richard B.: *See*—
Coleman, Gordon A., Greene, Merriam, Miller, and Shannon.

Greene, Robert L., Westfield, N. J., assignor to Standard Oil Development Company. Recovering solvent from process steam. 2,655,468, Oct. 13.

Greene, Sidney R., New Haven, Conn., assignor to Bendix Aviation Corporation, Teterboro, N. J. Variable resistance device. 2,660,652, Nov. 24.

Greene, Sylvan H., Philadelphia, Pa. Full sweep windshield wiper. 2,629,891, Mar. 3.

Greene, William K., deceased, by D. R. Greene, administratrix, Ontario, Calif. Filter cartridge. 2,647,633, Aug. 4.

Greenebaum, J., Tanning Co., assignee: *See*—
Cheronis, Nicholas D., and Newbury.

Greenfield, Alexander, assignor to Bendix Aviation Corporation, Detroit, Mich. Counting circuit. 2,647,996, Aug. 4.

Greenfield, Alexander, and J. F. Clayton, assignors to Bendix Aviation Corporation, Detroit, Mich. System for measuring radioactivity. 2,648,015, Aug. 4.

Greenfield, Charles, River Edge, N. J. Dehydration of fatty materials. 2,651,647, Sept. 8.

Greenfield, Eugene W., and A. C. Connell, Hastings on Hudson, N. Y., assignors to Anaconda Wire and Cable Company. Power cable containing fluid under pressure. 2,658,939, Nov. 10.

Greenfield, Max: *See*—
Honig, Harry, and Greenfield.

Greenhalgh, Norman: *See*—
Boon, William R., Greenhalgh, London, and Vasey.

Greenhough, Vernon W.: *See*—
Reynolds, Douglas, Greenhough, and Jamison.

Greenidge, Charles T.: *See*—
Jackson, John H., and Greenidge.

Greening, Herald B., Hamilton, Ontario, Canada. Means for testing the accuracy of watches. 2,640,350, June 2.

Greenland, Leonard S., Compton, Wolverhampton, and T. Edwards, Bilbrook, near Wolverhampton, assignors to H. M. Hobson Limited, London, England. Hydraulic pump. 2,657,634, Nov. 3.

Greenleaf, Jack W., Snohomish, Wash. Adjustable weight fishing sinker. 2,651,135, Sept. 8.
Mansfield, Judson H., and Swanson.

Greenlee, Eli M., Newport, Ky. Saw sharpening file-guide. 2,662,423, Dec. 15.

Greenlee Bros. & Co., assignee: *See*—
Mansfield, Judson H.

Greenlee, Harry R., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Spring type clutch. 2,643,749, June 30.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Partial esters of polyhydroxyl polyethers. 2,653,141, Sept. 22.

Greenlee, William B., Denver, Colo. Gaseous discharge lamp. 2,624,858, Jan. 6.

Greenlee, William B., Peru, Ind. Capacitive lighting system. 2,629,839, Feb. 24.

Greenmun, Leo S., Avoca, N. Y. Automobile window mounting. 2,634,160, Apr. 7.

Greenmun, Leo S., Avoca, N. Y. Ventilation system for automobiles and the like. 2,634,669, Apr. 14.

Greenmun, Leo S., Avoca, N. Y. Artificial denture. 2,641,835, June 16.

Greenmun, Leo S., Avoca, N. Y. Solenoid-operated window regulator. 2,657,924, Nov. 3.

Greenough, Henry B.: *See*—
Cutler, Wallace M., Greenough, and Kant.

Greenough, Mary, administratrix: *See*—
Cutler, Wallace M., Greenough, and Kant.

Greenough, Maurice L., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Electrical micrometer 2,629,004, Feb. 17.

Greenspan, Frank P., Buffalo, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Stable aqueous hydrogen peroxide and method of preparing same. 2,624,655, Jan. 6.

Greenspan, Frank P., Buffalo, assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Making mercuric acetate. 2,661,360, Dec. 1.

Greenspan, Frank P., Buffalo, and D. G. MacKellar, Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Stabilization of peracids. 2,663,621, Dec. 22.

Greenwald, Charlotte, Astoria, N. Y. Convertible apron. 2,629,101, Feb. 24.

Greenwald, Harold A., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Rotor blade attachment means and method. 2,639,119, May 19.

Greenwald, Irving J., assignee: *See*—
Spotswood, Robert E. L.

Greenwald, Lewis, deceased, New York, N. Y., by S. Greenwald, administratrix, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Magnetron. 2,651,003, Sept. 1.

Greenwald, Max H., assignor to The Richmond Products Company, Cleveland, Ohio. Illuminated paging device. 2,644,935, July 7.

Greenwald, Sylvia, administratrix: *See*—
Greenwald, Lewis.

Greenwood, Ivan A., Jr.: *See*—
MacLea, Robert K., Jr., Greenwood, and Zieblolz.

Greenwood, Ivan A., Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio navigation system. 2,633,570, Mar. 31.

Greenwood, Ivan A., Jr., Pleasantville, N. Y., assignor, by mesne assignments, to Librascope, Inc. Squaring device. 2,628,024, Feb. 10.

Greenwood, Ivan A., Jr., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Pressure transducer. 2,634,721, Apr. 14.

Greenwood, Ivan A., Jr., Pleasantville, N. Y., H. Zieblolz, Chicago, Ill., and A. L. Chaplin, Oreland, Pa., assignors to General Precision Laboratory Incorporated. Pressure transducer. 2,627,183, Feb. 3.

Greenwood, Ivan A., Jr., Pleasantville, and A. Gordon, Jr., Astoria, N. Y., assignors to General Precision Laboratory Incorporated. Ultrasonic gauge. 2,661,714, Dec. 8.

Greenwood, Robert I.: *See*—
Harder, Edwin L., Greenwood, Moore, and Stringer.

Greenwood, Walter B.: *See*—
Duke, Harry, Greenwood, and Thomas.

Greger, Herbert H., Rockville, Md. Preparation of ceramic bodies for plastic forming. 2,652,338, Sept. 15.

Greger, Paul B., Reading, Pa. Furnace. 2,653,582, Sept. 29.

Greger, Robert A.: *See*—
Fink, Dale F., Greger, and Alsberg.

Gregg, Charles F., Indianapolis, Ind. Dusting gun. 2,651,139, Sept. 8.

Gregg, Earle C., Jr., East Cleveland, Ohio, assignor to United States of America as represented by the Secretary of the Navy. Thermocouple wattmeter. 2,644,923, July 7.

Gregg, Earle C., Jr., East Cleveland, Ohio, assignor to United States of America as represented by the Secretary of the Navy. Recording wattmeter. 2,646,547, July 21.

Gregg, Kenneth J., and R. Schulze, Buffalo, N. Y. Record player and changer. 2,643,127, June 23.

Gregg, Raymond W., assignee: *See*—
Offutt, John T.

Gregg, Robert A., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Halogen-containing resins derived from 2-alkenoxyalkyl esters and bromomethanes. 2,636,874, Apr. 28.

Grégoire, Jean A., Paris, France. Wheel and brake drum for automobiles and the like vehicles. 2,635,924, Apr. 21.

Gregoire, Jean A., Paris, France. Suspension of vehicles. 2,643,110, June 23.

Gregoire, Jean A., Paris, France. Suspension of vehicles. 2,661,204, Dec. 1.

Gregoire, Jean A., Paris, France. Suspension device for vehicles. 2,661,206, Dec. 1.

Gregor, Frank J.: *See*—
Read, Robert C., and Gregor.

Gregory, Edward D., Rochelle Park, W. C. Lilliendahl, Mountain Lakes, and D. M. Wroughton, Livingston, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of ductile vanadium. 2,653,869, Sept. 29.

Gregory Industries, Inc., assignee: *See*—
Friedly, Robert C.
Nelson, Ted.

Gregory, James T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction of alpha-thiocyano carbonyl compounds with primary amines and their acid salts. 2,626,949, Jan. 27.

Gregory, James T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. 2-haloimino-4-thiazolines. 2,626,950, Jan. 27.

Gregory, James T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing beta-(arylsulfonyl) carboxylic acids and salts thereof. 2,659,752, Nov. 17.

Gregory, John J., assignor to Eastern Research Laboratories, Inc., Baltimore, Md. Label affixing machine. 2,643,498, June 30.

Gregory, Walter A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Heterocyclic organo-tin compounds containing oxygen, sulfur, and tin in the ring. 2,636,891, Apr. 28.

Gregory, William C., Compton, Calif. Nonarcing interrupting switch. 2,645,698, July 14.

Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. High-speed electrolytic marking. 2,636,848, Apr. 28.

Greig, Harold G., Princeton, N. J., assignor to Radio Corportion of America. Photographic diazotype composition and heat development thereof. 2,653,091, Sept. 22.

Greig, Harold G., Princeton, N. J., assignor to Radio Corportion of America. Marking. 2,653,126, Sept. 22.

Greig, James W., assignor to Woodall Industries Inc., Detroit, Mich. Sun visor. 2,628,861, Feb. 17.

Greig, James W., assignor to Woodall Industries, Inc., Detroit, Mich. Dash panel. 2,651,986, Sept. 15.

Greig, James W., assignor to Woodall Industries, Inc., Detroit, Mich. Sliding door assembly. 2,659,939, Nov. 24.

Greiling, David J., assignor to McCray Refrigerator Company, Inc., Kendallville, Ind. Sectional refrigerated display case. 2,624,649, Jan. 6.

Greiman, Benjamin F., Garner, Iowa. Cultivator shield or fender. 2,624,259, Jan. 6.

Greiman, Benjamin F., Garner, Iowa. Cultivator shield. 2,624,261, Jan. 6.

Greiman, Benjamin F., Garner, Iowa. Plant shield for cultivators. 2,633,791, Apr. 7.

Greiman, Benjamin F., Garner, Iowa. Grain drier. 2,641,063, June 9.

Grein, Hermann, Remscheid-Lennep, assignor to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Apparatus for maintaining a constant tension in a moving filament. 2,650,043, Aug. 25.

Grein, Raymond C., Rochester, N. Y. Apparatus for cleaning tanks and the like. 2,647,639, Aug. 4.

Greiner, Charles A., New Orleans, and E. F. Greiner, Metarie, La. Apparatus for removing heads from bodies of shrimps. 2,663,897, Dec. 29.

Greiner, Charles A. and E. F., New Orleans, La. Removing heads from bodies of shrimps. 2,663,900, Dec. 29.

Greiner, Elbert F.: *See*—
Greiner, Charles A. and E. F.

Greiner, Elbert F., New Orleans, La. Machine for deveining shrimps. 2,663,898, Dec. 29.

Greiner, Emil, Company, The, assignee: *See*—
Gilmont, Roger.
Stone, Bertram M., and Gilmont.

Greiner, John W., A. R. Hanze, R. V. Kline, J. L. Richmond, and K. R. Bedell, assignors to The Upjohn Company, Kalamazoo, Mich. Purification and hydrolysis of esters of folic acid. 2,630,434, Mar. 3.

Greiser, Howard A., San Jose, Calif. Remote control valve for heavy duty sandblast hose. 2,641,087, June 9.

Greissinger, Georg, Stuttgart-Vaihingen, Germany. Shoe with heel. 2,648,916, Aug. 18.

Greist Manufacturing Company, The, assignee: *See*—
Connors, John.
Johnson, Harry N.
Russell, Herbert H.
Taylor, Barnhardt A.

Grekel, Howard: *See*—
Steitz, Alfred, Jr., Grekel, Eliot, and Weaver.

Gremling, Donovan P., Shelby, Ohio. Seamless tube drawing tool. 2,649,002, Aug. 18.

Grenfell, Raymond A., Missoula, Mont. Expansible cover for milk cans. 2,634,881, Apr. 14.

Grenier, Joseph P., and P. E. E. Lescieux, assignors to Ste. Helita, Paris, France. Radioactive lightning protector with accelerating elements. 2,644,026, June 30.

Grenier, Joseph W., Giffard, Quebec, Canada. Clutch and brake control for endless track vehicles. 2,656,904, Oct. 27.

Grenier, Wilfred J., North Rutland, Mass. Machine for turning wood heel blanks. 2,652,865, Sept. 22.

Greninger, Alden B.: *See*—
Howe, John P., Greninger, and Plott.

Grenot, Leo D., Oakland, Calif. Display means. 2,643,474, June 30.

Grenough, Raymond E., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Preventing indention of bearings. 2,636,786, Apr. 28.

Grenzeback, James H., Los Angeles, Calif. Power transmitting device for overhead garage doors. 2,663,047, Dec. 22.

Grepe, Frederick Y., assignor to Canadian Controllers, Limited, Toronto, Ontario, Canada. High-voltage contactor system. 2,625,627, Jan. 13.

Greppin, Ernest H.: *See*—
Allyn, William G., Scott, and Greppin.

Gresham, William F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymers of formal esters. 2,630,424, Mar. 3.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric silicates. 2,630,446, Mar. 3.

Gresham, William F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing high molecular weight hydrocarbons. 2,632,014, Mar. 17.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyfunctional compounds. 2,636,046, Apr. 21.

Gresham, William F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Apparatus and method for preparing melamine. 2,644,820, July 7.

Gresham, William F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polyethylene glycols from ether-esters of glycolic acid. 2,654,786, Oct. 6.

Gresham, William F., and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Trioxepane polymers. 2,625,569, Jan. 13.

Gresham, William F., and A. J. Hill, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of higher aliphatic oxygen-containing compounds. 2,640,074, May 26.

Greske, Stephen T., Chicago, Ill. Fishing trolley with improved trolley frame. 2,639,535, May 26.

Gressel, Jules, assignor to Nouvelle Societe de Construction ci-devant N. Schlumberger & Cie, Guebwiller, France. Combing machine of the rectilinear type. 2,655,696, Oct. 20.

Gretener, Edgar, assignee: *See*—
Ehrat, Kurt.
Frey, Hans J.

Gretener, Edgar, Zurich, Switzerland. Projection illumination system for the homogeneous distribution of light. 2,624,234, Jan. 6.

Gretener, Edgar, Zurich, Switzerland. Arc lamp regulating device. 2,662,991, Dec. 15.

Gretener, Edgar, Zurich, Switzerland. Blown arc lamp. 2,663,792, Dec. 22.

Grether, Tobias, Camarillo, assignor of one-fourth to Ventura Farms Frozen Foods, Incorporated, Oxnard, Calif. Bean harvester. 2,641,888, June 16.

Greulich, Max A.: *See*—
Wood, Alfred G., Laval, Callaghan, Wahl, Greulich, and Boehl.

Grevich, John J., assignor to Doughboy Industries, Inc., New Richmond, Wis. Power hand band sealer. 2,658,552, Nov. 10.

Grewe, Rudolf, Kiel, Germany, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 1-benzyl-5,6,7,8-tetrahydroisoquinoline and derivatives thereof. 2,638,472, May 12.

Grey, Victor A., Chicago, Ill., assignor, by mesne assignments, to Voss Brothers Manufacturing Co., Davenport, Iowa. Sausage skinning mechanism. 2,630,598, Mar. 10.

Grez, Armand C., New York, N. Y. Electrical measuring apparatus. 2,637,316, May 5.

Gribler, Elmer J., O'Fallon, and H. A. Lorenz, Belleville, assignors to Independent Engineering Company, Inc., O'Fallon, Ill. Apparatus for drying gases. 2,625,237, Jan. 13.

Gricar, Frank T., Jr., W. J. Sommers, and G. L. N. Meyer, Milwaukee, assignors to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Method and apparatus to supply a beverage to a filling machine and fill containers thereby. 2,660,360, Nov. 24.

Gridley, Darrin H., and A. J. Stecca, Washington, D. C. Data storage and reproducing apparatus. 2,656,524, Oct. 20.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Bar feed means. 2,626,450, Jan. 27.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Stock feed mechanism. 2,626,451, Jan. 27.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Stock feed mechanism. 2,626,452, Jan. 27.

Gridley, George O., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Drill head. 2,630,723, Mar. 10.

Grieder, Charles K., Bangor, Pa. Power-operated clipping device. 2,629,220, Feb. 24.

Griefen, Richard A., Conshohocken, Pa., assignor to Martin Fabrics Corporation, New York, N. Y. Automatic mechanism for winding bobbins, quills, and the like. 2,624,519, Jan. 6.

Grieg, Donald D., North Caldwell, and A. M. Levine, River Edge, N. J., and C. L. Estes, Scottsdale, Ariz., assignors to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Electrical signal translating system. 2,659,049, Nov. 10.

Grier, Ross E., Pauline, Kans. Hydraulic starting system for internal-combustion engines. 2,628,476, Feb 17.

Grier, William F.: *See*—
Chilcott, Adrian E., and Grier.

Griesbach, Edwin C., Oak Park, Ill. Door key fastener. 2,638,773, May 19.

Grieshammer, Herman H. O., assignor to Victor Balata & Textile Belting Co., Easton, Pa. Hydraulically operated vulcanizing press. 2,647,554, Aug. 4.

Griesheimer, Rudolph N., and R. C. Hydell, Chillicothe, assignors to The Mead Corporation, Dayton, Ohio. Apparatus and process for coating paper. 2,647,842, Aug. 4.

Griess, Gerald A., Midland, Mich., and C. V. Strandskov, Des Moines, Iowa, assignors to The Dow Chemical Company, Midland, Mich. Styrene modified alkyd resins. 2,639,270, May 19.

Griess, Gerald A., Midland, Mich., and C. V. Strandskov, Des Moines, Iowa, assignors to The Dow Chemical Company, Midland, Mich. Styrene, alpha methyl styrene, drying oil modified alkyd resins. 2,639,271, May 19.

Griess, Gerald A., and A. S. Teot, assignors to The Dow Chemical Company, Midland, Mich. Styrene, alpha methyl styrene, drying oil fatty acid interpolymers. 2,639,272, May 19.

Grieve, George P., Glenview, and T. L. Hendry, Chicago, Ill. Crankcase draining and flushing apparatus. 2,635,756, Apr. 21.

Griff, Robert D.: *See*—
Walz, Claude W., and Griff.

Griffin, Claude L., Oklahoma City, Okla. Tool joint-pipe connection. 2,636,753, Apr. 28.

Griffin, Dana A., North Plainfield, N. J., assignor to D. A. Griffin, W. J. Hammond and B. S. McCutcheon, copartners doing business as Communication Measurements Laboratory, New York, N. Y. Gaseous discharge tube circuit. 2,652,519, Sept. 15.

Griffin, Harold F., and R. R. Crookston, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling mud flow system. 2,632,631, Mar. 24.

Griffin, Harold F., and M. C. Wright, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Tool joint lubricator. 2,642,034, June 16.

Griffin, John A., Fort Lauderdale, Fla. Dolly for multiple hydraulic jacks. 2,636,715, Apr. 28.

Griffin, Linden C.: *See*—
Nelson, Willis N., and Griffin.

Griffin, Lindsay I., Jr.: *See*—
Carr, James W., Jr., Griffin, and Nicholson.

Griffin, Roger L., Marblehead, Mass., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Stacking machine. 2,634,001, Apr. 7.

Griffin, Thomas C., Denver, Colo. Order board. 2,630,335, Mar. 3.

Griffin, Thomas C., Denver, Colo. Order board. 2,637,570, May 5.

Griffin, Thomas C., Denver, Colo. Order board. 2,664,302, Dec. 29.

Griffin, Walter L., Fayette, Ohio. Sunshade for motor vehicles. 2,625,358, Jan. 13.

Griffin, William C., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Improved shortening and cake composition. 2,662,015, Dec. 8.

Griffin, William D.: *See*—
Joris, George G., and Griffin.

Griffins, Morris E., Riverside, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Rotary connector switch. 2,652,454, Sept. 15.

Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Controlling combustion system of gas-turbine engines. 2,651,175, Sept. 8.

Griffith, Alan A., assignor to Rolls-Royce Limited, Derby, England. Blade for turbines or compressors. 2,660,400, Nov. 24.

Griffith, Andrew S., Jr., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Liquid level gauge. 2,649,714, Aug. 25.

Griffith, Dean A., administrator: *See*—
Griffith, Glen I.

Griffith, Frederick J., New York, N. Y. Chain pipe cover and seal. 2,652,018, Sept. 15.

Griffith, Glen I., deceased, Ventura, Calif.; D. A. Griffith, administrator, assignor to Pong Repeater Pistol Company, Ventura County, Calif. Toy pistol. 2,652,822, Sept. 22.

Griffith, James E., Denver, Colo. Aircraft adapted for air, land, and water travel. 2,628,792, Feb. 17.

Griffith, John F., Pottstown, R. W. Lange, Boyertown, T. W. Fisher, Jr., Elverson, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Latex coagulation process. 2,647,103, July 28.

Griffith, John M.: *See*—
Barlow, Alfred C., Carpenter, Cameron, and Griffith.

Griffith, Joseph B.: *See*—
Erwin, Lee R., and Griffith.

Griffith Laboratories, Inc., The, assignee: *See*—
Brown, Andrew G.
Komarik, Stephan L.

Griffith, Llewellyn B., Austin, Tex. Sewage recirculation. 2,653,907, Sept. 29.

Griffiths, Clyde C., Harvey, Ill., assignor to Whiting Corporation. Side release table for servicing railroad vehicles and the like. 2,640,435, June 2.

Griffiths, Emil S., and W. D. Cashman, assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y. Alloy adapted for prosthetic articles. 2,631,095, Mar. 10.

Griffiths, Peter G. J., assignor to Winalot Bloodstock Equipment Company, San Francisco, Calif. Bit holder. 2,652,671, Sept. 22.

Griffitts, Henry V., assignor to McCaffrey-Ruddock Tagline Corporation, Los Angeles, Calif. Detachable spring connecting means for spring driven reels. 2,645,432, July 14.

Griffon, Claudius, Saint-Etienne, France. Flushing device for water closets. 2,659,089, Nov. 17.

Griffon, Gaston, Neuilly-sur-Seine, France, assignor to Societe Solex. Carburetor. 2,649,290, Aug. 18.

Griggs, Nelson S., Northfield, Vt., assignor to Specialties Development Corporation, Belleville, N. J. Carbon dioxide storage. 2,644,313, July 7.

Griglak, Stephen I., Manassas, Va. Dispensing device for glycerin. 2,632,618, Mar. 24.

Grigsby-Allison Company, Inc., assignee: *See*—
Allison, Kenneth C.

Grigsby, Raymond P., Aurora, Nebr. Wagon hitch with automatic unit and lever releasing gear. 2,646,288, July 21.

Grigsby, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing unsaturated amides. 2,628,977, Feb. 17

Grillo, Joseph, Bronx, N. Y., assignor to Ward Leonard Electric Company. Voltage regulator. 2,635,223, Apr. 14.

Grillo, Joseph, New York, N. Y., assignor, by mesne assignments, to Vickers Incorporated, Detroit, Mich. Electric controlling apparatus. 2,640,098, May 26.

Grimes, Louis M., and R. W. Amann, Lemont, Ill. Bag closure. 2,628,396, Feb. 17.

Grimes, Norman V., assignee: *See*—
Goeller, Vernon R.

Grimm, Carl W., Chicago, Ill., assignor to Henry Pratt Company. Preheater and conditioner unit. 2,642,676, June 23.

Grimm, Eric, East Orange, assignor to U. S. Tool Company, Inc., Ampere, N. J. Slide feed mechanism. 2,663,566, Dec. 22.

Grimm, Frank C., Jr., and D. K. Taylor, assignors to Connelly, Inc., Chicago, Ill. Automatic device for controlling gas and air mixtures. 2,648,809, Aug. 11.

Grimshaw, Charles S.: *See*—
Gray, Robert L., and Grimshaw.

Grimshaw, Charles S., Erie, Pa., assignor to General Electric Company. Automatic defrost actuator. 2,624,180, Jan. 6.

Grimshaw, Charles S., Erie, Pa., assignor to General Electric Company. Refrigerator control. 2,627,561, Feb. 3.

Grimshaw, Robert S., Detroit, Mich. Vehicle wheel ornamental trim ring construction. 2,639,948, May 26.

Grimshaw, Robert S., Detroit, Mich. Vehicle wheel ornametal trim ring construction. 2,644,721, July 7.

Grimshaw, Thomas B.: *See*—
Matthews, John B., and Grimshaw.

Grimsley, Charles O., Houston, Tex. Garbage can rack. 2,634,933, Apr. 14.

Grimsley, Leopold C., assignor to H. Hyman, New York, N. Y. Shock absorber assembly for portable electric flashlights. 2,651,763, Sept. 8.

Grimson, Herman, and H. Davis, Chicago, Ill. Control apparatus for laundry and washing machines. 2,642,565, June 16.

Grinde, George H., and L. L. Wolf, assignors to Phillips Manufacturing Company, Inc., Minneapolis, Minn. Electrical head bolt replacement heater for liquid cooled internal-combustion engines. 2,641,239, June 9.

Grinding and Polishing Machinery Corporation, assignee: *See*—
Clyne, Joseph N.

Grindle, Charles R., Winona Lake, and F. I. Saemann, assignors to Orthopedic Equipment Co., Bourbon, Ind. Artificial arm. 2,626,398, Jan. 27.

Grindstaff, Ray A., Spokane, Wash. Animal feeder. 2,653,570, Sept. 29.

Griner, Leslie J., Detroit, Mich. Automatic safety readjustment mechanism for newspaper press fold rollers. 2,660,426, Nov. 24.

Gring, John L., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Producing silica gel spheres in oil. 2,641,583, June 9.

Gring, John L., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Forming spheroidal catalyst particles. 2,652,371, Sept. 15.

Grinham, Edward G., and H. G. Webster, assignors to The Standard Motor Company Limited, Coventry, England. Internal-combustion engine. 2,624,328, Jan. 6.

Grinnan, Samuel W., Los Angeles, Calif. Aircraft distress signal. 2,629,572, Feb. 24.

Grinnell Corporation, assignee: *See*—
Barclay, Sidney F.

Grinnell, Willis H., Boston, Mass. Tool for adjusting orthodontia appliances. 2,643,908, June 30.

Griscom-Russell Company, The, assignee: *See*—
Bruegger, Ernest.
Impagliazzo, Abraham M.
Otten, Philip S.

Grisdale, George L., Great Baddow, Chelmsford, assignor to Marconi's Wireless Telegraph Company Limited, London, England. Variable electrical filter. 2,635,143, Apr. 14.

Grisdale, George W., Philadelphia, Pa. Differential air gauge. 2,641,130, June 9.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Combined pump and air separator unit. 2,642,148, June 16.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Priming means for centrifugal pumps. 2,662,481, Dec. 15.

Grisé, Alfred L., Springfield, and F. E. Neef, Jr., Longmeadow, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Swivel pipe coupling. 2,663,581, Dec. 22.

Griset, Ernest J., Jr., Asheville, assignor to American Enka Corporation, Enka, N. C. Abrading yarn. 2,657,522, Nov. 3.

Griset, Ernest J., Jr., and R. T. Lynch, Asheville, assignors to American Enka Corporation, Enka, N. C. Thread collector. 2,661,588, Dec. 8.

Grishaber, Ralph V., assignor to Paper Patents Company, Neenah, Wis. Package cushioning and sealing means. 2,661,835, Dec. 8.

Grisham, William F., Pasadena, Tex. Flow valve. Re. 23,710, Sept. 8.

Grisoni, Angelo, Como, Italy. Artificial foot. 2,644,165, July 7.

Grissett, Andrew F., Hattiesburg, Miss. Forestry tool for girdling trees. 2,655,763, Oct. 20.

Grissol Bread Specialties Ltd., The, assignee: *See*—
Bertrand, Leandre M.

Grist, Arthur W., assignor, by mesne assignments, to Brown & Grist Company, Newport News, Va. Window construction. 2,639,791, May 26.

Griswold, Augustus W., assignor to Taylor Instrument Companies, Rochester, N. Y. Flow diversion valve. 2,631,001, Mar. 10.

Griswold, Augustus W., Rochester, N. Y., and N. B. Nichols, St. Paul, Minn., assignors to Taylor Instrument Companies, Rochester, N. Y. Pneumatically operated control system. 2,638,911, May 19.

Griswold, Donald D.: *See*—
Hartman, Carl H., Peterson, and Griswold.

Griswold, Donald G., assignee: *See*—
Colton, Grant A.

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Molded diaphragm structure. 2,638,127, May 12.

Griswold, Donald G., Alhambra, Calif. Backflow prevention device. 2,646,816, July 28.

Griswold, Donald G., Alhambra, Calif. Differential pressure operated valve. 2,649,773, Aug. 25.

Griswold, Donald G., El Monte, assignor to Clayton Manufacturing Company, Alhambra, Calif. Fluid pressure-operated valve. 2,661,023, Dec. 1.

Griswold, Dwight, West Hartford, Conn. Telephone indicia card holder. 2,624,965, Jan. 13.

Griswold, Earl N., Savanna, Ill., assignor to the United States of America as represented by the Secretary of the Army. Cover removing machine. 2,634,036, Apr. 7.

Griswold, Hector W.: *See*—
Newbegin, John L., and Griswold.

Griswold, Hugh T., San Francisco, Calif., assignor to Owens-Illinois Glass Company. Machine for uncasing bottles and jars. 2,628,732, Feb 17.

Griswold, Laurence V., Cedar Rapids, Iowa. Trampolin. 2,652,966, Sept. 22.

Griswold, Morris N.: *See*—
Jarrett, Chester C., and Griswold.

Griswold, Stanley M., West Newton, and H. C. Reynolds, Jr., Belmont, assignors to B. B. Chemical Co., Boston, Mass. Cover for temporary protection of shoes. 2,651,857, Sept. 15.

Griswold, Truman H., Hamburg, N. Y. Process and apparatus for conditioning water. 2,635,755, Apr. 21.

Grizzard, Earle D.: *See*—
Adams, Arthur R., Grizzard, and Cady.

Grizzard, Earle D., and F. R. Collar, Los Angeles, and J. C. Mitchell, La Crescenta, asignors to Adams Rite Manufacturing Company, Glendale, Calif. Releasable connection device. 2,654,135, Oct. 6.

Grizzly Manufacturing Company, assignee: *See*—
Harper, Frank A.

Groak, Josef, London, England. Printing. 2,630,484, Mar. 3.

Groat, Francis P., assignor to The Magee Carpet Company, Bloomsburg, Pa. Method and apparatus for making pile fabrics. 2,624,390, Jan. 6.

Grob, Cyril, Basel, Switzerland, assignor to Organon Inc., Orange, N. J. Manufacture of substituted tetralones. 2,632,024, Mar. 17.

Grob, Cyril, Basel, Switzerland, assignor to Organon Inc., Orange, N. J. Preparing 5,8 dialkoxy tetralone-2. 2,632,025, Mar. 17.

Grobel, Lloyd P., Schenectady, N. Y., assignor to General Electric Company. Shaft seal. 2,647,771, Aug. 4.

Grobey, Paul A.: *See*—
Arms, Merton H., and Grobey.

Grodzinski, Paul, and A. L. K. Penkuhn, London, England. Method of and device for producing specifically orientated polished faces on diamonds. 2,654,979, Oct. 13.

Groebe, John L.: *See*—
Miller, Alvin J., and Groebe.

Groebe, John L., Dewey, Okla., assignor to Phillips Petroleum Company. Refortification of aluminum halide-hydrocarbon complex catalyst. 2,655,484, Oct. 13.

Groeger, Alfred H., New Hyde Park, assignor to Kason Hardware Corporation, Brooklyn, N. Y. Releasable strike mechanism. 2,636,767, Apr. 28.

Groeger, Alfred H., New Hyde Park, assignor to Kason Hardware Corporation, Brooklyn, N. Y. Lock for refrigerator doors or other closures. 2,655,395, Oct. 13.

Groen, Willem, assignor to Onsrud Machine Works, Inc., Chicago, Ill. Chuck. 2,634,985, Apr. 14.

Groeninghe Ververij P. V. B. A., assignee: *See*—
Steverlynck, Baldewijn.

Groff, Ellsworth E., Hayden, Ariz. Nursing bottle holder. 2,648,513, Aug. 11.

Grögl, Max F., and A. Roe, Barranquilla, Colombia. Patient controlled electric motor for dental units. 2,648,043, Aug. 4.

Groman, Edward M.: *See*—
Legere, John, and Groman.

Grondal, Bror L., Seattle, and C. L. Dickinson, assignors to Weyerhaeuser Timber Company, Longview, Wash. Separation of bark components. 2,627,375, Feb. 3.

Grondona, Valentin D., Rosario, Argentina. Stereophotogrammetric restorer. 2,647,318, Aug. 4.

Gronemeyer, Erich W., Pompton Plains, N. J., assignor to Owens-Illinois Glass Company. Pressure type container. 2,646,192, July 21.

Gronemeyer, Erich, Pompton Plains, and S. Cherba, Totowa, N. J. Container closure. 2,639,057, May 19.

Gronich, Harry E.: *See*—
Nesty, Glenn A., and Gronich.

Gronich, Harry E., Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Resin for wet strength paper and making it. 2,634,246, Apr. 7.

Gronlund, Ernst H., Algonac, Mich. Electrically heated lunch box. 2,658,986, Nov. 10.

Gronowski, Edward C., Wauwatosa, assignor to McGraw Electric Company, Milwaukee, Wis. Circuit interrupter. 2,650,282, Aug. 25.

Gronquist, Albin W., Brainerd, Minn. Anchor tripper. 2,632,418, Mar. 24.

Grönwall, Anders J. T., and B. G.-A. Ingelman, Uppsala, assignors to Aktiebolaget Pharmacia, Stockholm, Sweden. Producing dextran products having substantially uniform molecular size for pharmaceutical and therapeutic preparations. 2,644,815, July 7.

Groombridge, Walter H.: *See*—
Brown, Russell J., Downing, and Groombridge.

Grooms, Herbert H., West Union, Ohio. Traffic control signal. 2,663,279, Dec. 22.

Groov-Pin Corporation, assignee: *See*—
Braendel, Felix W.

Gropen, Edward M.: *See*—
Spiess, Newton E., Jr., and Gropen.
Spiess, Newton E., Jr., Gropen, and Weaver.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Amplification system. 2,628,290, Feb. 10.

Grosjean, Wilbur V., Omaha, Nebr., assignor to Westinghouse Air Brake Company. Supplemental signaling system for special railway vehicles. 2,630,524, Mar. 3.

Groskopf, Edwin O., assignor to The Philip Carey Manufacturing Company, Cincinnati, Ohio. Sound deadening sheet material and manufacture. 2,636,543, Apr. 28.

Gross, Adolph J., Chicago, Ill. Axle and differential lock. 2,638,797, May 19.

Gross, Alfred G., Wilmette, Ill., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration apparatus. 2,624,182, Jan. 6.

Gross, Angell C., Harlingen, Tex. Fruit peeling and coring machine. 2,639,746, May 26.

Gross, Arthur R., St. Paul, Minn. Vending machine. 2,660,282, Nov. 24.

Gross, Bernard, assignor to Rohr Aircraft Corporation, San Diego, Calif. Sealed door assembly. 2,635,785, Apr. 21.

Gross, Charles, Englewood, N. J. Ribbon holding device and the like. 2,649,198, Aug. 18.

Gross, Eugene, Brooklyn, assignor of one-third to E. Neufeld, New York, N. Y. Antiskid device. 2,655,971, Oct. 20.

Gross, Frank J., assignor to The Church Mart, Inc., Milwaukee, Wis. Garment. 2,657,389, Nov. 3.

Gross, Fritz A.: *See*—
Dawson, John W., and F. A. and T. A. O. Gross.
Hall, William M., and Gross.

Gross, Gertrude T., New York, N. Y. Handy iron. 2,660,818, Dec. 1.

Gross, Howard H.: *See*—
Kiersted, Wynkoop, Jr., and Gross.

Gross, Howard H., Pleasantville, assignor to Texaco Development Corporation, New York, N. Y. Countercurrent slurry process for effecting complex formation. 2,632,002, Mar. 17.

Gross, Malcolm E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hypohalogenated elastomeric derivative. 2,633,478, Mar. 31.

Gross, Paul L., Trucksville, Pa. Solid fuel burner. 2,629,350, Feb. 24.

Gross, Walter E.: *See*—
Jelinek, Alfred F., and Gross.

Gross, William F.: *See*—
Blair, Charles M., Jr., and Gross.

Gross, William E., Joppa, Md. Rotary filling machine. 2,631,770, Mar. 17.

Gross, Siegfried T., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. X-ray diffraction device. 2,645,720, July 14.

Gross, Stanley H.: *See*—
Lohse, Edward, and Gross.

Gross, Thomas A. O.: *See*—
Dawson, John W., and F. A. and T. A. O. Gross.

Grosse, Aristid V., Haverford, assignor of one-half to J. C. Morrell, Merion, Pa. Welding or cutting metal and other materials by chlorine fluoride torch. 2,642,656, June 23.

Grosse, Aristid V., Haverford, Pa. Suppressing the oxidation of CO to CO_2 in a fixed bed regenerator. 2,626,245, Jan. 20.

Grosse, Frank: *See*—
Barnes, Charles H., and Grosse.

Grosse, Fred, Williamsville, N. Y. Stand for flatirons. 2,658,708, Nov. 10.

Grosselfinger, Frederick B.: *See*—
Arnold, John H., and Grosselfinger.

Grosser, Frederick, North Plainfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Purification of butanediol. 2,629,686, Feb. 24.

Grosser, Frederick, North Plainfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Separating β-chloro-α-alkoxyethylbenzenes from their reaction mixture. 2,652,431, Sept. 15.

Grossglockner - Hochalpenstrassen Aktiengesellschaft, assignee: *See*—
Wallack, Franz F.

Grossman, Abraham, Van Nuys, Calif. Sliding closure and suspension system therefor. 2,627,092, Feb. 3.

Grossman, Eugene F., Santa Monica, Calif. Indicating disk for golf club heads. 2,660,436, Nov. 24.

Grossman, Harry C., Baltimore, Md. Combined wrench and wedging tool for removing screw plugs. 2,640,382, June 2.

Grossman, Paul R., Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid heating apparatus. 2,626,141, Jan. 20.

Grossman, Paul R., Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid heating system. 2,626,794, Jan. 27.

Grossman, Paul R., Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Process and apparatus for the thermal synthesis of carbon compounds. 2,630,373, Mar. 3.

Grossman, Ralph G., assignee: *See*—
Prupis, Nathan.

Grossnickle, Myron D.: *See*—
Kennedy, Eugene P., and Grossnickle.

Grosvenor, Benjamin, Pomfret, Conn., assignor to American Optical Company, Southbridge, Mass. Spectacle case. 2,642,986, June 23.

Grosvenor, Benjamin, Pomfret, Conn., assignor to American Optical Company, Southbridge, Mass. Spectacle case. 2,657,791, Nov. 3.

Grosvenor, Dale D., Ames, assignor to Deere Manufacturing Co., Dubuque, Iowa. Cotton spindle moistening apparatus. 2,654,204, Oct. 6.

Grosvenor, William M., Jr., New York, N. Y., assignor to J. H. White, Old Greenwich, Conn., and M. W. Rose, San Francisco, Calif. Medicament inhaler. 2,633,131, Mar. 31.

Grosvenor, William M., Jr., New York, N. Y., assignor to Taco Heaters, Incorporated, Providence, R. I. Automatic hygroscopic type air vent. 2,654,385, Oct. 6.

Grosz, Frank A.: *See*—
Thrasher, Clyde E., and Grosz.

Grote, Irvine W.: *See*—
Le Maistre, John W., and Grote.

Grotefend, Alfred G. W., St. Paul, Minn. Folding chair. 2,627,899, Feb. 10.

Grotenhouse, James T., Orange City, Iowa. Temperature alarm switch. 2,637,794, May 5.

Groth, Kjell J. I., K. M. E. Hellsten, and K. E. Sandegren, assignors to Aktiebolaget Stockholms Bryggerier, Stockholm, Sweden. Photoelectric apparatus for determining the effective buoyancy of a float submerged in a fluid medium. 2,635,461, Apr. 21.

Grothe, Isabel N., and E. J. Smith, Westport, Conn. Hand covering for use in association with handlebars. 2,650,361, Sept. 1.

Grotz, Mike E., Sheridan, Wyo. Chocking device for vehicles. 2,645,309, July 14.

Grouse, Richard A., assignor to A. H. Hunt Capacitors Limited, London, England. Metallized paper capacitor. 2,637,766, May 5.

Grouse, Richard A., assignor to A. H. Hunt (Capacitors) Limited, London, England. Manufacture of electrical capacitors. 2,651,100, Sept. 8.

Grove, Clinton: *See*—
Teetor, Paul, Grove, and Heller.

Grove, Harold C., Charlotte, N. C. Driving means for slicing machines. 2,663,341, Dec. 22.

Grove, Jerome D.: *See*—
Douglas, Donald J., Palmquist, and Grove.

Grove, Marvin H., Piedmont, and A. U. Bryant, Berkeley, Calif., assignors, by mesne assignments, to Grove Regulator Company. Fluid flow control apparatus. 2,627,870, Feb. 10.

Grove, Marvin H., Piedmont, and A. U. Bryant, Berkeley, assignors, by mesne assignments, to Grove Regulator Company, Oakland, Calif. Valve construction. 2,659,568, Nov. 17.

Grove Regulator Company, assignee: *See*—
Bryant, Austin U.
Grove, Marvin H., and Bryant.
Ramsey, Grover S.

Grove, Russell E., Fresno, Calif. Apparatus adapted to the cutting, shaping, or forming of structural members. 2,662,563, Dec. 15.

Grove, Walter T., Erie, Pa. Fixture for spherical members. 2,643,557, June 30.

Grover, Donald P., Chicago, Ill. Rotary toothbrush with lip guard. 2,644,973, July 14.

Grover, Donald P., Chicago, Ill. Multiple rotary toothbrush with lip guard. 2,655,674, Oct. 20.

Grover, Donald P., Chicago, Ill. Power-driven toothbrush with lip guard. 2,655,675, Oct. 20.

Grover, Donald P., Chicago, Ill. Rotary toothbrush with lip guard. 2,655,676, Oct. 20.

Grover, Donald P., Chicago, Ill. Rotary toothbrush. 2,662,239, Dec. 15.

Grover, Martin M.: *See*—
Been, Jerome, and Grover.

Grover, Reginald L., assignee: *See*—
Grover, Robert R.

Grover, Robert R., assignor of one-half to R. L. Grover, West Swanzey, N. H. Piston lock. 2,632,425, Mar. 24.

Groves, David M., Knoxville, Tenn. Apparatus for supporting and manipulating phonograph records. 2,639,155, May 19.

Groves, Walter R., assignor to British Industrial Plastics Limited, London, England. Hydraulic intensifier. 2,631,542, Mar. 17.

Grow, Clyde W.: *See*—
Wolfe, Charles M., Shultise, and Grow.

Grow, Harlow B., Linden, Mo. Centrifugal hand missile launcher. 2,638,708, May 19.

Grow, Harlow B., Linden, Mo. Pipe preconditioner. 2,659,375, Nov. 17.

Grow, Paul E., Muncie, Ind. Implement to facilitate dressing of grinding wheels. 2,655,910, Oct. 20.

Grözinger, Alfred: *See*—
Callsen, Albert, and Grözinger.

Grubb, Gunnar A., Bromma, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration system. 2,648,204, Aug. 11.

Grubbs, Ralph E., Kansas City, Mo. Paint applicator. 2,625,702, Jan. 20.

Grubbs, Sydney D., Sr., Martinsville, Ind. Daylight shield for drive-in or other outdoor moving picture theater projection screens. 2,659,429, Nov. 17.

Grube, Karl P.: *See*—
Abrahamson, Charles M., and Grube.

Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Pivoted knife blade assembly. 2,625,738, Jan. 20.

Gruber, Ottmar R., Fontanelle, Iowa. Trailer tongue and adjustable hitching stand therefor. 2,639,120, May 19.

Gruber, Willy, Munich, Germany. Repair patch for rubber articles. 2,638,955, May 19.

Gruber, Wolfgang, J. Heckmaier, and H. Zoebelein, Burghausen, assignors, by mesne assignments, to Wacker-Chemie G. m. b. H., Munich, Germany. Producing condensation products of polyvinyl alcohol and aldehydes. 2,652,387, Sept. 15.

Grubich, Stephan A., Philadelphia, Pa. Pipe joint intersector. 2,647,319, Aug. 4.

Grubola, Edward F., Long Island City, N. Y. Educational toy. 2,659,165, Nov. 17.

Gruen, Bengt H. E., Stockholm, Sweden. Recovery of spent liquors from the cooking of cellulose from raw material containing silica. 2,628,155, Feb. 10.

Gruen, Ernest J., Carteret, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Pulp storage tank current control. 2,661,668, Dec. 8.

Gruen, Henry, New York, N. Y. Valved plumbing fitting. 2,627,872, Feb. 10.

Gruen Watch Co., The, assignee: *See*—
Thiébaud, Henri.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Sweep voltage generator. 2,631,240, Mar. 10.

Gruen, Wolf J., Syracuse, and T. V. Zaloudek, Liverpool, N. Y., assignors to General Electric Company. Television pulse separation circuit. 2,625,603, Jan. 13.

Gruenberg, Harry, assignor to National Research Council, Ottawa, Ontario, Canada. Microwave antenna. 2,639,383, May 19.

Gruenberg, Harry, assignor to National Research Council, Ottawa, Ontario, Canada. Microwave antenna. 2,659,005, Nov. 10.

Gruenberg, Leo, and B. Fletcher, New York, N. Y. Baby panty structure or the like. 2,638,900, May 19.

Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gyratory crusher shaft lubrication. 2,640,651, June 2.

Gruendler Crusher & Pulverizer Co., assignee: *See*—
Shelton, Harry J., Jr., and Smiley.

Gruener, Alvin J.: *See*—
Holmberg, John E., and Gruener.

Grnetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Wide hollow steel propeller blade and making the same. 2,647,586, Aug. 4.

Grumbache, Edward S., Paris, Ill., assignor to Electrographic Corporation, New York, N. Y. Trucky body platform. 2,639,187, May 19.

Grumbine, Arthur W.: *See*—
Boyer, Mahlon R., and Grumbine.

Grummitt, Oliver J., and R. E. Blank, Cleveland, and D. Marsh, Cleveland Heights, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Stabilizer composition and stabilized vinyl resin. 2,654,718, Oct. 6.

Grundmann, Christoph, Columbus, Ohio, assignor to Mathieson Chemical Corporation. Production of cyclohexanone oxime. 2,638,482, May 12.

Gruner, Frederick R., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Antivibration gear drive. 2,663,201, Dec. 22.

Gruner, Hans, Tonkawa, Okla. Drilling bit. 2,634,105, Apr. 7.

Grunewald, Glen R., Chicago, and F. J. Pierce, La Grange, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus and process for countercurrent liquid-liquid extraction. 2,647,855, Aug. 4.

Grunewald, Glen R., Chicago, and F. J. Pierce, La Grange, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus and process for countercurrent liquid-fluid extraction. 2,647,856, Aug. 4.

Grunfelder, Louis: *See*—
Nickless, William H., and Grunfelder.

Grunwald, Edward, New York, N. Y. Personalized picture playing cards. 2,663,418, Dec. 22.

Grunwald, Werner J., Maywood, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Focus circuit for cathode-ray tubes. 2,658,164, Nov. 3.

Grupen, James L., San Gabriel, and S. M. Wheeler, San Bernardino, Calif. Sealed headlight having auxiliary reflector. 2,629,815, Feb. 24.

Grupen, James L., San Gabriel, and S. M. Wheeler, Los Angeles, Calif. Sealed headlight having auxiliary reflector. 2,632,842, Mar. 24.

Grupp, Alfons: *See*—
Irtenkauf, Josef, and Grupp.

Grüring, Alfons, assignor to E. Gohner, Montreal, Quebec, Canada. Combination brush and comb. 2,660,183, Nov. 24.

Gruss, George A., and A. A. Sobieski, Erie, Pa., assignors to General Electric Company. Collapsibly mounted condenser. 2,637,179, May 5.

Grütter, Heinrich, Brougg, assignor to Firmenich & Co., successeurs de la Société Anonyme M. Naef & Cie, Geneva, Switzerland. Preparation of α- and β-6-methyl-ionones. 2,636,052, Apr. 21.

Gruver, John H.: *See*—
Brainard, George C., and Gruver.

Gruver, John H., Cleveland Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Pivotally mounted printing means in sales recorder. 2,633,075, Mar. 31.

Guadagna, Joseph, Brooklyn, N. Y. Removable snatch roller. 2,645,187, July 14.

Guadagni, Dante G.: *See*—
Talburt, William F., and Guadagni.

Guagliardo, Anthony D.: *See*—
Nolde, Arthur H., and Guagliardo.

Guala, John R., Bywood, Upper Darby, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Process and apparatus for increasing vacuum tower production. 2,658,863, Nov. 10.

Guanella, Gustav, Zurich, assignor to "Patelhold" Patentverwertungs- & Electro-Holding A.-G., Glarus, Switzerland. Directed beam antenna system. 2,630,532, Mar. 3.

Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Distance and speed indicating system. 2,638,586, May 12.

Guarantee Specialty Manufacturing Co., The, assignee: *See*—
Meyer, Robert W.
Wright, Richard H.
Wright, Richard H., and Zay.

Guardian Burglar Proof Equipment Company, The, assignee: *See*—
Beedle, Eugene C.

Guardian Electric Manufacturing Co., assignee: *See*—
Nelsen, Marvin G.

Guardian Export Packers Corporation, The, assignee: *See*—
Akely, William S.

Guardite Corporation, assignee: *See*—
Baer, John M.
Carman, Charles R.
Carman, Charles R., and Allison.
Doyle, Frank B.
Heineman, Arnold H.

Guarino, Joseph J., New York, N. Y. Barrel bung bit having a passage for permitting flow of liquid. 2,661,123, Dec. 1.

Guarnieri, James P., Inc., assignee: *See*—
Blenkle, Herbert A.

Guaschino, Louis D., Hartford, Conn. Necktie dimpler. 2,644,163, July 7.

Guba, Raymond J., Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation. Wire conveyer belt drive. 2,628,706, Feb. 17.

Gubbins, Charles H., assignor to Wolf Electric Tools Limited, London, England. Electric motor. 2,636,136, Apr. 21.

Gubelmann, William S., Convent, N. J. Automatic change-speed transmission. 2,636,401, Apr. 28.

Gudgeon, Ronald P., Luton, England. Fluid control valve mechanism for fluid pressure operated rotary or turret type laundry presses. 2,636,292, Apr. 28.

Gudgeon, Ronald P., assignor to Brown & Green Limited, Luton, England. Laundry press. 2,636,293, Apr. 28.

Gudmundsson, Erik: *See*—
Stenkvist, Emil, and Gudmundsson.

Gudze, George W., Philadelphia, Pa. Liquid applicator of the roller type. 2,627,620, Feb. 10.

Guebert, Kenneth W., Freeport, Tex., assignor to The Dow Chemical Company, Midland, Mich. Separation of sulfur dioxide and chlorine with antimony trichloride. 2,639,976, May 26.

Guedon, Noel, Newberg, Oreg. Combination mantle lamp and gas stove. 2,638,085, May 12.

Guenst, William, Elkins Park, Pa. Etching machine. 2,651,869, Sept. 15.

Guenther, John R.: *See*—
Peters, Robert J., Guenther, and Pollard.

Guercio, Charles C., Smithtown Branch, N. Y. Storm shutter. 2,655,094, Oct. 13.

Guercio, John A., Smithtown Branch, N. Y. Kite. 2,631,798, Mar. 17.

Guernsey, Glen A., West Springfield, and A. H. Green, East Longmeadow, assignors to Wico Electric Company, West Springfield, Mass. Control mechanism for brake holders. 2,637,410, May 5.

Guernsey, Robert W., Detroit, and R. C. Ulrey, Livonia, assignors to General Motors Corporation, Detroit, Mich. Flexible link drive for isolating torsional vibration. 2,653,457, Sept. 29.

Guerry, William R., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Protector skid for thermocouples. 2,647,153, July 28.

Guess, Joseph R., Rosemead, Calif. Feed mechanism. 2,638,132, May 12.

Guest, Maurice C., Hialeah, Fla. Cap protector. 2,655,256, Oct. 13.

Guestinger, Oscar L., Roff, Okla. Hook and leader holder. 2,659,997, Nov. 24.

Guettler, Herbert W., San Francisco, Calif. Short wood chain barker. 2,647,548, Aug. 4.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Guggino, Salvatore, New York, N. Y. Book for making garment belts. 2,661,223, Dec. 1.

Guhl, Alfred, Hamburg, Germany. Pencil sharpener. 2,664,071, Dec. 29.

Guiberson Corporation, The, assignee: *See*—
Davis, Roy C.
Losey, Thomas B.
Taylor, Raymond G., Jr., McElroy, and Davis.

Guibert, Francis W., Los Angeles, Calif. Bearing structure utilizing ball supports. 2,634,177, Apr. 7.

Guibert, Francis W., Los Angeles, Calif. Adjustable compensator for registering meters. 2,638,008, May 12.

Guiberteau, Milton J., assignee: *See*—
Moragne, Edward L.

Guice, Edgar P., assignee: *See*—
Waltman, Adolf E.

Guichard, Raymond A. E., Paris, France. Apparatus for displaying variable information in offices and elsewhere. 2,647,327, Aug. 4.

Guichard, Roger H., Walnut Creek, Calif. Hydrostatic test unit. 2,658,386, Nov. 10.

Guide & Supply Co. Inc., assignee: *See*—
Meltzer, George B.

Guidosh, John A.: *See*—
Leonard, Merrill G., and Guidosh.

Guidry, Adam: *See*—
Mitchell, Samuel, and Guidry.

Guigas, Gustav: *See*—
Botley, Richard M., and Guigas.

Guild, Lloyd V., Pittsburgh, Pa. Apparatus for making gas analyses. 2,631,088, Mar. 10.

Guillaume, André, La Plaine Saint-Denis, Seine, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Rotary circuit breaker. 2,644,877, July 7.

Guille, Arthur L., Norfolk, Va. Joint bar device. 2,651,243, Sept. 8.

Guillemin, Victor, Jr., Oak Park, Ill. Motion amplifier. 2,656,735, Oct. 27.

Guillermety, Fred A.: *See*—
Mackie, Harry A., and Guillermety.

Guillet, James E., assignee: *See*—
Campodonico, John J.

Guimbal, Jean C., Saint-Etienne, France. Combined turbine and generator unit. 2,634,375, Apr. 7.

Guimond, Charles W., Grosse Pointe Woods, assignor, by mesne assignments, to The Drum Corporation, Richmond, Mich. Sash and molding painting device. 2,644,186, July 7.

Guinee, Edward J., Roselle, assignor to The H. A. Wilson Company, Newark, N. J. Producing composite metal. 2,652,624, Sept. 22.

Guion, Charles W., Arlington, Va. Automatic electric stop gauge for winding machines. 2,639,865, May 26.

Guischard, Charles H., Massapequa, N. Y. Doll with inflated balloon head. 2,635,386, Apr. 21.

Guise, Arthur B., and H. P. Sunstrom, assignors to Ansul Chemical Company, Marinette, Wis. Apparatus for fluidizing fire-extinguishing dry chemicals. 2,651,373, Sept. 8.

Guise, Arthur B., Marinette, Wis., and A. Allen, Menominee, Mich., assignors to Ansul Chemical Company, Marinette, Wis. Apparatus for pressurizing containers for fire-extinguishing dry chemicals. 2,651,375, Sept. 8.

Guist, Gustav, Vienna, Austria. Device for detecting and determining refraction anomalies of the human eyes. 2,642,771, June 23.

Guittar, Leroy, Sr., assignee: *See*—
Kearney, Walter T.

Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad box. 2,624,057, Jan. 6.

Güldenring, Paul, Remscheid, Germany. Meat grinder. 2,661,040, Dec. 1.

Gulf Oil Corporation, assignee: *See*—
Bonner, Zora D.
Cornell, Paul W.
Guala, John R.
McAfee, Jerry.
Smith, Herschel G., and Cantrell.
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Cantrell, and Peters.
Smith, Herschel G., Cantrell, and Fisher.
Smith, Herschel G., Hill, and Cantrell.
Wagner, Bernard.

Gulf Research & Development Company, assignee: *See*—
Ambrose, Henry A., and Brandes.
Bardeen, Thomas.
Bowman, John R., Ridenour, and Whittaker.
Brandes, Oliver L., and Pattinson.
Capell, Robert G.
Capell, Robert G., Ridenour, and Stewart.
Cichelli, Mario T.
Crawford, Vincent L.
Gilbert, William L., and Montgomery.
Harrison, James M., and Somers.
Horne, William A.
Horne, William A., and Crawford.
McCarthy, Paul R.
Mitchell, Edward.
Mitchell, Edward, and Cramp.
Mitchell, Edward, and Morse.
Montgomery, Charles W., and Brown.
Montgomery, Charles W., and Horne.
Muskat, Morris.
Pigott, Reginald J. S.
Patnode, Homer W.
Riethof, George, and Brown.
Rocchini, Albert G.
Stevens, Donald R., and Bowman.
Stevens, Donald R., and Camp.
Topanelian, Edward, Jr.
Wickerham, Warren E., and Doolen.

Gulick, David E., Kittanning, assignor to Eljer Company, Ford City, Pa. Faucet. 2,634,943, Apr. 14.

Gulick, David E., Kittanning, assignor to Eljer Co., Ford City, Pa. Faucet with pressure sealed expanding washer valve seat. 2,645,449, July 14.

Gulland, Donald A., Detroit, Mich. Removable clamp shoe with tiltable work engaging element. 2,649,123, Aug. 18.

Gullas, Joseph G., Weirton, W. Va., assignor to National Steel Corporation. Apparatus for dispensing measured volumes of liquid. 2,646,068, July 21.

Gullett Gin Company, assignee: *See*—
Wallace, Jeffrey J.

Gullett, William W., College Park, assignor to Manganese Battery Corporation, Riverdale, Md. Manganese dioxide for primary cells. 2,655,456, Oct. 13.

Gullette, Willis S.: *See*—
Howe, Robert E., and Gullette.

Gullixson, Harold R., Arlington, Va., and H. F. Bruns, Washington, D. C., assignors, by mesne assignments, to Ditto, Incorporated, Chicago, Ill. Rotary offset duplicator. 2,660,113, Nov. 24.

Guiton Manufacturing Corporation, assignee: *See*—
Howatt, Glenn N.

Gumbs, Alexis A., St. Nicolas, Aruba, Netherlands West Indies. Wing control for aircraft. 2,630,986, Mar. 10.

Gumfory, Charles E., Tampico, Ill. Trap for small animals. 2,632,279, Mar. 24.

Gummed Products Company, The, assignee: *See*—
Boulware, James E., and Cannard.
Bruce, Donald S., Herrlinger, and Heise.
Havemann, Robert A., and Bruce.
Herrlinger, Paul W.

Gummere, Harold O., and E. Linsker, assignors to Buckeye Tools Corporation, Dayton, Ohio. Torque indicating power operated tool. 2,663,209, Dec. 22.

Gump, B. F., Co., assignee: *See*—
Nowak, Leon J., Jr.

Gumpertz, Donald G.: *See*—
Ayres, Robert J., and Gumpertz.

Gumpertz, Donald G., North Hollywood, and R. C. Alexander, Long Beach, Calif., assignors, by mesne assignments, to M & M Manufacturing Corporation. Parking meter. 2,652,551, Sept. 15.

Gund, Konrad, H. Berger, M. M. Scheer, and R. Schittenhelm, Erlangen, Germany. Electron accelerator. 2,637,818, May 5.

Gundelfinger, William E.: *See*—
Lehmann, George A., and Gundelfinger.

Gundersen, Ralph W., St. Paul, Minn., assignor to Coach & Car Equipment Corporation, Chicago, Ill. Tractor seat. 2,652,880, Sept. 22.

Gunderson, Allen D.: *See*—
Stuart, Robert J., and Gunderson.

Gunderson, Lewis O., assignor to Dearborn Chemical Company, Chicago, Ill. Compounds for altering surface characteristics of liquids. 2,630,439, Mar. 3.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Compounds for altering surface characteristics of liquids. 2,630,440, Mar. 3.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foaming in water. 2,647,088, July 28.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Acylated imidazolines and preparing the same. 2,647,125, July 28.

Gunderson, Norman R., Pasadena, Calif. Pictorial representation reproducing head. 2,628,150, Feb. 10.

Gunderson, Ralph W., Manteca, Calif. Vine cutting and deflecting mechanism for row crops. 2,633,689, Apr. 7.

Gunderson, Willard R., assignee: *See*—
Ball, James W.

Gundlach, Joseph J., Belleville, Ill. Angle gauging device for use with shears. 2,641,845, June 16.

Gundlach, Norman J., executor: *See*—
Cartier, Lionel R.

Gundrum, Benedict P., and E. D. McElhaney, Dunkirk, N. Y.; said Gundrum assignor to said McElhaney. Baseboard heating apparatus for rooms. 2,651,504, Sept. 8.

Gunlon, Lawrence G., Lake Orion, and J. Clarkson, Ferndale, Mich. Auxiliary windshield for convertible automobiles. 2,641,502, June 9.

Gunkel, Ralph D., Chevy Chase, Md. Ophthalmic trial frame for lenses. 2,631,494, Mar. 17.

Gunn, Joseph B.: *See*—
Deardorff, Clinton E., and Gunn.

Gunn, Donald A., Kenmore, assignor to Remington Rand Inc., New York, N. Y. Card panel and transfer fixture. 2,635,607, Apr. 21.

Gunn, Joseph B., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic transfer valve for pumps. 2,633,153, Mar. 31.

Gunn, Lydia H., San Rafael, Calif. Combination bed slat and drawer hanger. 2,642,588, June 23.

Gunnels, Charles W., Jr., Quincy, Mass. Hydraulic shock absorber. 2,628,118, Feb. 19.

Gunning, Alfred W.: *See*—
Backofen, E. Ryan, and Gunning.

Gunning, Joseph H., Manhattan Beach, Calif. Golf bag carrier. 2,628,801, Feb 17.

Gunning, Samuel D., Cleveland Heights, Ohio, assignor to Le Roi Company, Milwaukee, Wis. Drilling rig. 2,635,855, Apr. 21.

Gunning, Samuel D., Cleveland Heights, Ohio, assignor to Le Roi Company, Milwaukee, Wis. Making a rigid connection between a sleeve and a bushing. 2,636,254, Apr. 28.

Gunson, R. W., (Seeds) Limited, assignee: *See*—
Frankel, Herbert.

Gunter, Coley W., and J. W. Howe, Jr., assignors to Wright Machinery Company, Durham, N. C. Banding machine. 2,644,628, July 7.

Gunter, Lee, Jr.: *See*—
Bauer, Benjamin B., and Gunter.

Gunter, Lee, Jr., Mount Prospect, assignor to Shure Brothers, Incorporated, Chicago, Ill. Assembling phonograph translating devices. 2,650,953, Sept. 1.

Gunter, Robert G., assignor to Kool-Breeze Awning Co., Salt Lake City, Utah. Ventilated metal awning. 2,627,634, Feb. 10.

Günthart, Jacques: *See*—
Peter, Albin, and Günthart.

Gunther, Arthur N.: *See*—
Tonkens, Rosalie R., and Gunther.

Gunther, Charles A., Lisbon, and C. R. Vittetoe, Mount Vernon, Iowa. Gas fueled watering trough heater and draft shield. 2,642,934, June 23.

Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Container support. 2,645,376, July 14.

Gunther, Robert C., Galesburg, Ill., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized azine photographic developers containing sodium metaborate as the sole alkali. 2,656,272, Oct. 20.

Gunther, Roland E., Oceanside, N. Y. Combination receptacle closure and dispensing device. 2,638,613, May 19.

Günther, Ulrich, Domat (Ems), assignor to Inventa A. G., für Forschung und Patentverwertung, Zurich, Switzerland. Method and device for welding wires on metal bodies. 2,662,153, Dec. 8.

Günther, Ulrich, Zurich, Switzerland. Gear teeth for toothed gears. 2,646,692, July 28.

Gunther, William A., Cumberland, Md. Mechanical stage for microscopes. 2,655,078, Oct. 13.

Gunz, Johanna: *See*—
Paulette, Charles H., and Gunz.

Gurevics, David, New York, N. Y., assignor to Freed Transformer Company, Inc. Attenuating vacuum tube voltmeter. 2,641,626, June 9.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Resonator structure. 2,627,552, Feb. 3.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Apparatus for insulatingly terminating concentric conductor resonators. 2,630,487, Mar. 3.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Cavity resonator high-frequency electron discharge device. 2,634,383, Apr. 7.

Gurin, Emanuel, and K. Fox, assignors to Rapid Roller Company, Chicago, Ill. Liner for rubber sheeting. 2,639,249, May 19.

Gurley, Martin H., Jr., Needham, Mass., assignor, by mesne assignments, to American Machine and Foundry Company, New York, N. Y. Making tobacco sheet material. 2,656,841, Oct. 27.

Gurley, W. & L. E., assignee: *See*—
Loeck, Günther F. E.

Gurry, Edward J., Upton, Mass. Apparatus for making hats. 2,650,005, Aug. 25.

Gursky, Meyer, New York, assignor to Automatic Bedding Corporation, Brooklyn, N. Y. Sofa bed. 2,661,485, Dec. 8.

Gury, Elmer F., administrator: *See*—
Belter, Paul A., Smith, Deobald, Singer, and Beckel.

Gurzny, Francis F., Syracuse, N. Y. Tie holder. 2,647,263, Aug. 4.

Guseman, William T., assignee: *See*—
Copus, Matthew.

Gusmer, A., Inc., assignee: *See*—
Smith, Albert C., Jr.

Gussack, Seymour I., assignor, by mesne assignments, to Grant Pulley & Hardware Corporation, Flushing, N. Y. Pivotally movable sliding bracket for drawers or shelves and locking means therefor. 2,655,422, Oct. 13.

Gustafson, Arnold A.: *See*—
Smith, Hubert L., and Gustafson.

Gustafson, August W., Corpus Christi, Tex. Apparatus for distributing fertilizer or the like. 2,643,796, June 30.

Gustafson, Bernard A., Kewanee, and J. H. Wahlbeck, Kankakee, Ill. Roll holder. 2,639,104, May 19.

Gustafson, Carl J.: *See*—
Caustin, William, and Gustafson.

Gustafson, Elmer G., Cambridge, Ill. Combine chaffer. 2,649,760, Aug. 25.

Gustafson, Frank T.: *See*—
Korsberg, John F., Gustafson, and Snyder.

Gustafson, George L., Minneapolis, Minn. Pull-up hitch for tractors. 2,626,125, Jan. 20.

Gustafson, Ralph W., Fulton, Ill., assignor to General Electric Company. Thermal control device. 2,633,517, Mar. 31.

Gustafson, Richard B.: *See*—
Hansen, Carl W., and Gustafson.

Gustafsson, Gotthard V. A., Bromma, Sweden. Device for measuring resistance changes. 2,648,819, Aug. 11.

Gustin, Albert L., Jr., Johnson County, Kans., assignor to Gustin-Bacon Manufacturing Company. Attaching mats. 2,649,627, Aug. 25.

Gustin-Bacon Manufacturing Company, assignee: *See*—
Gustin, Albert L., Jr.
Phillips, Marion W.

Gustin, George M., Wabash, Ind. Conditioning apparatus for rotary saws. 2,637,223, May 5.

Gustine, Franklin H., Chicago, Ill. Spring actuated top. 2,657,498, Nov. 3.

Gustus, Edwin L., assignee: *See*—
Cheronis, Nicholas D.

Gustus, Edwin L., Chicago, Ill. Acid adsorbing resin adsorption product. 2,645,627, July 14.

Guth, Frederick A., Waverly, Ohio, and H. F. Guth, Memphis, Tenn. Folding door construction for wide doorways. 2,658,571, Nov. 10.

Guth, Harold F.: *See*—
Guth, Frederick A. and H. F.

Guthoerl, Fermin, Lynwood, Calif. Collapsible trailer. 2,626,832, Jan. 27.

Guthof, Luis S., Mexico City, Mexico. Cooking device. 2,641,246, June 9.

Guthrie, David B.: *See*—
De Garmo, Oliver, and Guthrie.

Guthrie, James E., Kansas City, Mo. Hat supporting hook. 2,633,246, Mar. 31.

Guthrie, John D.: *See*—
Drake, George L., and Guthrie.

Gutman, Ernest M. and M. E., New York, N. Y. Combined safety seat for windows and table structure. 2,644,507, July 7.

Gutman, Louis, Whalom, assignor to Independent Lock Company, Fitchburg, Mass. Hotel lock. 2,638,770, May 19.

Gutman, Marie E.: *See*—
Gutman, Ernest M. and M. E.

Gutmann, Addis, Seattle, Wash. Combined garment and sleeping bag. 2,644,948, July 14.

Gutterman, Robert P., Arlington, Va. Spring type overload release clutch. 2,626,029, Jan. 20.

Gutterman, Robert P., assignor to Engineering Research Associates, Inc., St. Paul, Minn. Method and apparatus for forming wire and the like. 2,638,207, May 12.

Gutterman, Robert P., Silver Spring, Md., assignor to Engineering Research Associates, Inc., St. Paul, Minn. Variable high-voltage electrical condenser. 2,639,315, May 19.

Guttormsen, Joseph P., Kenosha, Wis. Door check. 2,658,231, Nov. 10.

Gutzeit, Carlos L.: *See*—
Lang, William H., and Gutzeit.

Gutzeit, Gregoire, Highland, and A. Krieg, Gary, Ind., assignors to General American Transportation Corporation, Chicago, Ill. Chemical nickel plating and bath therefor. 2,658,841, Nov. 10.

Gutzeit, Gregoire, Highland, Ind., and E. J. Ramirez, Forest Park, assignors to General American Transportation Corporation, Chicago, Ill. Chemical nickel plating and bath therefor. 2,658,842, Nov. 10.

Gutzman, Edward H.: *See*—
Blumensaadt, Svend G., Gutzman, and Neely.

Guy, Frederick M.: *See*—
Saurer, Curt, and Guy.

Guy, Frederick M., assignor to U. S. Universal Joints Company, Detroit, Mich. Coupling. 2,629,991, Mar. 3.

Guy, Frederick M., assignor to U. S. Universal Joints Company, Detroit, Mich. Resilient bushing carrier. 2,636,360, Apr. 28.

Guy, Frederick M., assignor to U. S. Universal Joints Company, Detroit, Mich. Combined resilient coupling and vibration dampener. 2,659,244, Nov. 17.

Guy, Frederick M., and E. J. Herbenar, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Shaft hanger construction. 2,661,985, Dec. 8.

Guyan Machinery Company, assignee: *See*—
Fot, Chin J.

Guyennon, André: *See*—
Péguet, Georges H., and Guyennon.

Guyer, Frank C., Lowell, Mass., assignor to Sonoco Products Company. Winding core. 2,659,543, Nov. 17.

Guyer, Morris W., assignor to Calkins Manufacturing Company, Spokane, Wash. Slurry distributor for seed treaters. 2,626,131, Jan. 20.

Guyer, Morris W., assignor to Calkins Manufacturing Company, Spokane, Wash. Slurry tank for seed treating machines. 2,639,812, May 26.

Guyer, Morris W., assignor to Calkins Manufacturing Company, Spokane, Wash. Pump drive. 2,648,986, Aug. 18.

Guyer, Morris W., and O. C. Calkins, assignors to Calkins Manufacturing Company, Spokane, Wash. Slurry handling device for seed treating machines. 2,644,676, July 7.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Tape dispenser. 2,640,657, June 2.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Bottle carrier. 2,644,624, July 7.

Guyette, Albert L., Keene, N. H. Clip expander. 2,656,049, Oct. 20.

Guyton, James H.: *See*—
Hill, Robert H., and Guyton.

Guyton, James H., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal seeking tuner. 2,652,486, Sept. 15.

Guyton, James H., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal seeking tuner. 2,652,494, Sept. 15.

Guyton, James H., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal actuated tuner control. 2,653,225, Sept. 22.

Guzy, Pete, Washington, Pa. Fishing signal. 2,663,110, Dec. 22.

Gwaltney, Eugene C., Biddeford Pool, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Silver compressor. 2,640,229, June 2.

Gwin, Robert C., Jr., Barrington, R. I. Pencil sharpener. 2,626,593, Jan. 27.

Gwinn, Myron B., Denver, Colo. Attachment for clothes hangers and like articles. 2,641,393, June 9.

Gwinn, Myron B., and L. Whitehead, Denver, Colo.; said Whitehead assignor to said Gwinn. Combined tie hanger and cover. 2,626,735, Jan. 27.

Gwinn, Myron B., and D. E. Hopkin, Denver, Colo. Cover for garment hangers. 2,644,622, July 7.

Gwoosh, Stephen J.: *See*—
Taylor, Clarence E., and Gwoosh.

Gwynne, Jacob M., Atlanta, Ga. Nailable metal structural member. 2,664,179, Dec. 29.

Gygax, Ernest F., assignee: *See*—
Nigg, Erwin.

Gylling, Eli: *See*—
Bloch, Sven H., and Gylling.

Gynt, Sven E., V. Poulsen and R. Lundqvist, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric melting furnace. 2,652,441, Sept. 15.

Gyorfy, Howard, Milwaukee, Wis. Window construction. 2,643,601, June 30.

Gyro Skid-Control Company, Inc., assignee: *See*—
Ross, William.

Gyrodyne Company of America, Inc., assignee: *See*—
Papadakos, Nicholas J.

Gyromechanisms, Inc., assignee: *See*—
Kenyon, Theodore W.

Gysin, Hans, and R. E. Hagenbach, assignors to J. R. Geigy A. G., Basel, Switzerland. Quaternary ammonium compounds and their manufacture. 2,644,003, June 30.

Gysin, Maysie A., executrix: *See*—
Gysin, Peter D.

Gysin, Peter D., deceased, Hances Point, North East, Md.; M. A. Gysin, executrix. Table and ironing board combination. 2,624,137, Jan. 6.

Gzupkaytil, Matt, Miami, Fla. Window operator. 2,637,548, May 5.

H. H. and H. Manufacturing Co., assignee: *See*—
Noll, Heinrich A.

H. M. H. Co., The, assignee: *See*—
Randall, Horace.

H. M. R. Electronics, Incorporated, assignee: *See*—
Rothacker, Francis N.

H. & P. Egg Cleaner Co., assignee: *See*—
Hutchinson, Harry A.

H-P-M Development Corporation, assignee: *See*—
Geiger, George M.
Tucker, Warren R., and Pittman.

Haag, Franz: *See*—
Dürr, Walter H., and Haag.

Haag, Ivan L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plumping leather with a sol of large silica particles. 2,663,614, Dec. 22.

Haagensen, Leif E.: *See*—
Beaulieu, Ezra J., Haagensen, and Scharer.

Haak, Fred C., Jr.: *See*—
Willard, Alfred R., Glasener, Haak, and Young.

Haake, Eugene V., Cleveland, Ohio. Radio range tracking system. 2,659,883, Nov. 17.

Haake, Fred C., assignor to I. Lundstrom, St. Louis, Mo. Container supporting bracket. 2,636,709, Apr. 28.

Haalck, Fritz, Berlin-Wilmersdorf, assignor to Askania-Werke A. G., Berlin, Germany. Magnetometer. 2,629,003, Feb. 17.

Haantjes, Johan, J. J. P. Valeton, and B. W. van I. Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Saw-tooth current generator. 2,657,333, Oct. 27.

Haarmann & Reimer, Chemische Fabrik zu Holzminden G. m. b. H., assignee: *See*—
Schuler, Wilhelm.

Haas, Anton: *See*—
Braitsch, Otto, and Haas.

Haas, Arthur W., Rochester, N. Y., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Dishwashing machine. 2,633,399, Mar. 31.

Haas, Earle C., assignee: *See*—
Lay, Willard V.

Haas, Edward W.: *See*—
Wolfe, H. Hix, and Haas.

Haas, Frederick S., Orgonia, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic truing mechanism. 2,641,873, June 16.

Haas, Glenn B., assignor to Defiance Metal Weatherstrip Company, Oak Harbor, Ohio. Making sash guides and cup units. 2,630,090, Mar. 3.

Haas, Harold G., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Frequency regulator. 2,639,413, May 19.

Haas, Harold G., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Two-stage starting system. 2,663,840, Dec. 22.

Haas, Otto R., Wenhan, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for making hassocks. 2,646,013, July 21.

Haas, Walter, Middletown, and F. D. Bergstein, Hamilton, assignors to The Interstate Folding Box Company, Middletown, Ohio. Heat-sealing machine. 2,660,219, Nov. 24.

Haase, Heinrich E.: *See*—
Lager, Eric W., Haase, and Prohaska.

Haase, Kurt O., Lafayette, assignor of fifty-five one-hundredths to L. Bono, Oakland, Calif. Gun sight. 2,645,017, July 14.

Haayman, Pieter W.: *See*—
Snoek, Jacob L., Went, and Haayman.

Haban, Joseph, Sturtevant, Wis. Farm row crop shredder. 2,659,188, Nov. 17.

Habeck, Bruce W., assignor to Wingfoot Corporation, Akron, Ohio. Water impermeable, water vapor permeable coating. 2,626,941, Jan. 27.

Habegger, Harvey C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Record changing device. 2,643,129, June 23.

Haberland, Ernest R.: *See*—
Perlow, Gilbert J., and Haberland.

Haberland, Fred C.: *See*—
Lauck, John A., and Haberland.

Haberstroh, Herbert J., Bristol, Conn. Oil burner. 2,628,131, Feb. 10.

Haberstrump, Alfred H.: *See*—
Fish, Carl C., and Haberstrump.

Habgood, Warren J., Millbourne, Pa. Valve. 2,640,676, June 2.

Habian, George, Manhasset, N. Y. Airplane cleaning and polishing machine. 2,642,599, June 23.

Habicht, Ernst: *See*—
Suter, Hans, Habicht, and Kündig.

Habisch, Edward: *See*—
Telecky, Elmer G., and Habisch.

Haboush, Edward J., Brooklyn, N. Y. Vibratory tool for operating bone sets, bone chisels, and bone nail drivers. 2,655,921, Oct. 20.

Hack, Bernadine E., Estes Park, Colo. Spool holder. 2,632,613, Mar. 24.

Hack, Nathan, Santa Monica, Calif., assignor to Hack Shoe Company, Detroit, Mich. Corrugated sole and heel tread for shoes. 2,627,676, Feb. 10.

Hack Shoe Company, assignee: *See*—
Hack, Nathan.

Hackenberg, John H.: *See*—
Ridings, Garvice H., Hackenberg, and Worthen.

Hackenberg, John H., Flushing, assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile transmitter. 2,657,259, Oct. 27.

Hacker, Horace W.: *See*—
Chonoski, Robert J., and Hacker.

Hacker, John L., Detroit, Mich. Combination shaft strut and housing. 2,630,094, Mar. 3.

Hacker, Stanley R.: *See*—
Specter, Sanford L., and Hacker.

Hackerman, Norman, Austin, Tex., assignor to Research Corporation, New York, N. Y. Electrodeposition of chromium. 2,630,407, Mar. 3.

Hackert, Albert B., St. Paul, Minn. Bowling alley bumper with hanger means. 2,654,605, Oct. 6.

Hackett, Claude J.: *See*—
Saunders, Norman H., Hackettt, and Bellamy.

Hacking, Paul, assignee: *See*—
Shadrick, Richard H.

Hacking, Robert, assignee: *See*—
Shadrick, Richard H.

Hacklander, Hans, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Switch-actuating mechanism for seaming machines. 2,657,302, Oct. 27.

Hacklander, Hans, South Sterling, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrode mounting structure for radio-frequency seaming machines. 2,659,806, Nov. 17.

Hacklander, Hans, Linden, and J. A. Herr, Hillside, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Bonding machine with automatic electrode penetration and oscillator keying control. 2,634,363, Apr. 7.

Hackman, William C., Silver Spring, assignor to Electric Steam Cleaner Manufacturing Corporation, Chevy Chase, Md. Electric steam generator and cleaner. 2,627,015, Jan. 27.

Hackmann, Frank L., Rochester, Minn. Method and apparatus for making a variegated frozen confection. 2,646,757, July 28.

Hackmann, Johannes T.: *See*—
Goppel, Johan M., Rumscheidt, and Hackmann.

Hadady, Robert E., assignor to The American Instrument Company, Inc., Silver Spring, Md. Manually settable temperature-sensitive bridge circuit. 2,635,225, Apr. 14.

Hadady, Robert E., assignor to The American Instrument Company, Inc., Silver Spring, Md. Automatic drying control system. 2,643,464, June 30.

Hadaway, Wilfred M., Wilmington, Calif. Track for toy vehicles. 2,633,087, Mar. 31.

Haddad, George J., and J. H. Wells, Pittsburgh, Pa., assignors to United States Steel Corporation. Method and apparatus for crystallizing naphthalene. 2,642,465, June 16.

Haddad, Jerrier A.: *See*—
Palmer, Ralph L., Fernekees, Haddad, Phelps, and Williams.

Hadden, Edward L., Westfield, assignor to Crist Engineering Company, Plainfield, N. J. Dispensing machine loading mechanism. 2,659,644, Nov. 17.

Haddock, John L., Compton, Calif., assignor to Coast Oil Tool Corporation. Rod gripping tool. 2,634,157, Apr. 7.

Haddock, Norman H.: *See*—
Ganguin, Karl O., and Haddock.
Ganguin, Karl O., Haddock, and Macdonald.

Haddon Bindery, Inc., assignee: *See*—
Esak, John H.

Hadekel, Ruben, assignor to Electro-Hydraulics Limited, Warrington, England. Pump or motor. 2,639,673, May 26.

Haden, Joseph R., Monongalia County, assignor to Morgantown Glassware Guild, Inc., Morgantown, W. Va. Dimpling apparatus and procedure for hollow parisons. 2,655,766, Oct. 20.

Hadidian, Zareh, Worcester, Mass., and N. W. Pirie, Harpenden, England, assignors to G. D. Searle & Co., Skokie, Ill. Hyaluronidase inhibitors and the production thereof. 2,662,076, Dec. 8.

Hadidian, Zareh, Needham, Mass., and N. W. Pirie Harpenden, England, assignors to G. D. Searle & Co., Chicago, Ill. Lower alkanoic acid esters of hyaluronic acid and the production thereof. 2,662,077, Dec. 8.

Hadidian, Zareh, Needham, Mass., and N. W. Pirie Harpenden, England, assignors to G. D. Searle & Co., Chicago, Ill. Hyaluronic acid nitrates and the production thereof. 2,662,078, Dec. 8.

Hadley, Charles R., Company, assignee: *See*—
Webb, Robert R.

Hadley, Clifford M., Chicago, Ill. Golf bag support. 2,663,528, Dec. 22.

Hadley, David J.: *See*—
Jacobs, David I. H., Hadley, and Heap.

Hadley, David J., Epsom Downs, and R. Heap, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Recovery of selenium. 2,645,664, July 14.

Hadley, H. A., Associates, Inc., assignee: *See*—
Singleton, Lester D.

Hadley, Harlan A., Rutland, Vt., assignor to The Howe Scale Company. Weighing scale. 2,637,546, May 5.

Hadley, John V., Kenilworth, England. Article of furniture. 2,655,420, Oct. 13.

Hadley Manufacturing Company, assignee: *See*—
Osburn, Howard W.

Hadley, Orval P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Method and means for applying brittle brazing material. 2,645,006, July 14.

Hadley, Raymond F., Drexel Hill, J. G. Daugherty, Norwood, and F. A. Young, Phoenixville, assignors to Sun Oil Company, Philadelphia, Pa. Pipeline cleaning and polishing device. 2,657,506, Nov. 3.

Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Textile treating machine. 2,624,963, Jan. 13.

Hadow, Henry J.: *See*—
Sheffer, Harry, Hyde, and Hadow.

Haeberlein, Max, Maplewood, assignor to Worthington Corporation, Harrison, N. J. Automatic shutdown seal system for centrifugal compressors. 2,631,050, Mar. 10.

Haefliger, Franz, assignor to J. R. Geigy A. G., Basel, Switzerland. Monoethers of an araliphatic glycol and their use in the control of pests. 2,654,688, Oct. 6.

Haefliger, William W., Los Angeles, Calif. Fabric retaining device. 2,643,399, June 30.

Haeg, Robert J., and C. C. Miller, Minneapolis, Minn. Device for installing cesspools in a single operation. 2,658,352, Nov. 10.

Haegele, Otto P., Columbus, Ohio, assignor to Joy Manufacturing Company. Machine for assembling rollers. 2,655,718, Oct. 20.

Haeger, Milton O., La Grange Park, assignor to Abell-Howe Company, Chicago, Ill. Batching machine. 2,634,887, Apr. 14.

Haehnel, Herbert E., West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Method and fashioning means for knitting machines. 2,655,018, Oct. 13.

Haemmy, Rodolphe C., also known as R. C. Hänni, Zurich, Switzerland, assignor to P. Meyer, Paris, France. Harness frame for looms. 2,645,251, July 14.

Haensel, Vladimir: *See*—
Berger, Charles V., and Haensel.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic reforming process. 2,629,683, Feb. 24.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of an alumina-halogen-platinum catalyst. 2,631,136, Mar. 10.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of alumina-platinum catalysts. 2,636,863, Apr. 28.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Regeneration of a platinum-containing catalyst. 2,641,582, June 9.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of alumina from aluminum chloride hexahydrate. 2,663,620, Dec. 22.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Two-stage process for the catalytic reforming of gasoline. 2,664,386, Dec. 29.

Haensel, Vladimir, Hinsdale, Ill., and C. F. Gerald, Woodinville, Wash., assignors to Universal Oil Products Company, Chicago, Ill. Catalytic reforming process and catalyst therefor. 2,625,504, Jan. 13.

Haensel, Vladimir, Hinsdale, and L. Schmerling, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture and use of alumina-platinum catalysts. 2,658,028, Nov. 3.

Haensel, Vladimir, Hinsdale, and C. G. Gerhold, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic reforming of hydrocarbons in two stages utilizing a platinum-alumina-halogen catalyst composite. 2,659,692, Nov. 17.

Haentjens, Otto, Hazleton, and W. D. Haentjens, Conyngham, Pa. Pump for vertical movement of liquids. 2,625,110, Jan. 13.

Haentjens, Walter D.: *See*—
Haentjens, Otto, and W. D.

Haertel, Walter, Company, assignee: *See*—
Otterholm, Cyril J.

Haesler, Charles, assignor to Haesler-Glauque & Cie, Fabrique de Machines, Le Locle, Switzerland. Milling attachment for universal machine tools. 2,645,979, July 21.

Haesler-Glauque & Cie, Fabrique de Machines, assignee: *See*—
Haesler, Charles.

Haessler, Walter M., Chatham, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguisher discharge head. 2,661,804, Dec. 8.

Haessler, William J., Surf City, N. J., assignor to High Production Machine Co., Inc., Philadelphia, Pa. Transfer device for box wrapping machines. 2,645,365, July 14.

Haferkamp, Ethel K., assignee: *See*—
Fletcher, Frank H., Jr.

Haferkamp, Mary E., assignee: *See*—
Fletcher, Frank H., Jr.

Haffner, Hugo C., Brooklyn, N. Y. Bottle case. 2,661,111, Dec. 1.

Hafke, Arthur, Detroit, assignor to Pent Electric Company, Grand Rapids, Mich. Panel mounted electric light socket. 2,633,483, Mar. 31.

Häfliger, Franz, Basel, and E. Girod, Riehen, near Basel, assignors to J. R. Geigy A. G., Basel, Switzerland. Diammonium salts. 2,659,756, Nov. 17.

Hafner, Ludwig G. P.: *See*—
Quirk, Justin P., and Hafner.

Hafner, Oliver B., Cedar Rapids, assignor to Amana Refrigeration, Inc., Amana, Iowa. Freezer divider. 2,627,993, Feb. 10.

Hafner, Raoul, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Impeller movement damping device. 2,640,553, June 2.

Hafner, Theodore, assignee: *See*—
Nicolet, Nicholas E.

Hagan Corporation, assignee: *See*—
Donaldson, Robert R., Jr.
Hayes, Thomas E.
Markson, Alfred A.

Hagan, John, assignee: *See*—
Jordanoff, Assen.

Hagby, Gustav V.: *See*—
Dalin, David, and Hagby.

Hage, Albert, Toledo, Ohio. Milling cutter. 2,658,260, Nov. 10.

Hage, Hildur, St. Albans, N. Y. Dust collecting bag and filter for vacuum cleaners. 2,630,879, Mar. 10.

Hage, Sigurd D., assignor to Boeing Airplane Company, Seattle, Wash. Gas turbine. 2,663,141, Dec. 22.

Hagelfeldt, Lydia A., Chicago, Ill., assignor of one-third to G. Blomquist, New York, N. Y. Foldable crib. 2,659,903, Nov. 24.

Hageman, Frank E., Chico, Calif. Honey process. 2,624,678, Jan. 6.

Hageman, Frank E., Chico, Calif. Roasting and salting nuts. 2,643,190, June 23.

Hagemann, French T., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Separation process for actinium. 2,632,763, Mar. 24.

Hagemeyer, Hugh J., Jr.: *See*—
Hull, David C., and Hagemeyer.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of unsaturated aldehydes. 2,639,295, May 19.

Hagemeyer, Hugh J. Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Polymerization of α-acyloxyacrylonitriles in aqueous systems using a redox catalyst and polymers obtained therefrom. 2,652,390, Sept. 15.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of nitriles and catalysts therefor. 2,653,964, Sept. 29.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing N-acyl derivatives of amide compounds. 2,656,360, Oct. 20.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., and D. C. Anderson, Charlotte, N. C., assignors to Eastman Kodak Company, Rochester, N. Y. Hydrolysis of alkenyl alkyl ethers in the vapor phase. 2,662,919, Dec. 15.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Water resistant protein materials. 2,663,617, Dec. 22.

Hagen, Clarence R., Memphis, Tenn., assignor to International Harvester Company. Cotton picker spindle assembly mounting. 2,660,851, Dec. 1.

Hagen, Elsie J., Berwyn, Ill. Shield for wall switches. 2,634,016, Apr. 7.

Hagen, Frank E.: *See*—
Lauricella, John W., and Hagen.

Hagen, Glenn E.: *See*—
Williams, Charles R., and Hagen.

Hagen, Glenn E., Lawndale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Electronic pulse spacer. 2,637,812, May 5.

Hagen, Glenn E., Lawndale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Amplifier for pulses. 2,644,910, July 7.

Hagen, Jerry, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 2,632,086, Mar. 17.

Hagen, Jerry, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,655,777, Oct. 20.

Hagen, Leif R., assignor to Norsk Stalull A/S, Oslo, Norway. Steel wool packet. 2,650,703, Sept. 1.

Hagen, Otto B., Wauwatosa, and H. J. Multhauf, Milwaukee, Wis. Bottle filling device. 2,638,256, May 12.

Hagen, Peter, Sharon Hill, Pa. Mixture control valve for faucets. 2,648,350, Aug. 11.

Hagenbach, Rudolf E.: *See*—
Gysin, Hans, and Hagenbach.

Hagenboecker, Alfred, assignor to Ciba Limited, Basel, Switzerland. Manufacture of ortho-hydroxyarylcarboxlic acid-B-naphthylamides. 2,653,974, Sept. 29.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Overload released fluid clutch. 2,642,971, June 23.

Hager, Arthur C., and T. D. Jones, Berkeley, Calif. Hydraulic brake control. 2,661,081, Dec. 1.

Hager, George L., Rockford, Ill. Conveyer feed mechanism. 2,664,189, Dec. 29.

Hager, Glenn F., New Castle, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Catalytic hydrogenation of nitriles. 2,644,842, July 7.

Hager, Karl F., and H. I. Lindenmayr, Huntsville, Ala., and M. Rosenthal, El Paso, Tex.; said Rosenthal assignor to General Electric Company, said Hager and said Lindenmayr assignors to the United States of America as represented by the Secretary of the Army. Bubbling reduction for high temperature resisting bonding. 2,653,889, Sept. 29.

Hägerström, Olof K.-G. A., Stockholm, Sweden. Arrangement in bookkeeping machines. 2,643,054, June 23.

Hagerty, Andrew T.: *See*—
Kessler, Ward P., and Hagerty.

Hagg, Arthur C., Pittsburgh, and D. V. Wright, Verona, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for analyzing unbalance of rotors. 2,636,381, Apr. 28.

Haggar, Robert W., Hamilton, Ontario, Canada. Boring head construction. 2,640,378, June 2.

Hagger, George F., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine mount quick disconnect. 2,633,312, Mar. 31.

Haggerty, Patrick E., Dallas, Tex., assignor to Texas Instruments Incorporated. Method and apparatus for seismic prospecting in which seismic waves are used to modulate a sonic or supersonic carrier wave. 2,635,705, Apr. 21.

Haggerty, Ridgeway T., Richmond Hill, N. Y., assignor to General Instrument Corporation, Elizabeth, N. J. Tone arm positioning mechanism for automatic record changer phonographs. 2,640,702, June 2.

Haggerty, William T., Jr.: *See*—
Ward, George C., and Haggerty.

Hagihara, Hikoichi: *See*—
Nishimitsu, Hiroshi, Nishikawa, and Hagihara.

Haglund, Didrik W., Sandviken, and S. E. Elström, Stockholm, assignors to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Bore crown for percussion drilling. 2,641,446, June 9.

Haglund, Gustaf, Storangen, near Stockholm, Sweden. Preparing raw sulfite acid. 2,637,627, May 5.

Hagmeister, Heinrich, Herford, Germany. Toolholder. 2,652,749, Sept. 22.

Hagopian, Richard H., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating with tube-oscillator generators. 2,632,091, Mar. 17.

Hagopian, Richard H., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating. 2,650,289, Aug. 25.

Hagopian, Richard H., Halethorpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable dielectric heating equipment. 2,629,812, Feb. 24.

Hagstrom, Bernard, Ashland, Wis. Fish lure. 2,659,995, Nov. 24.

Hagstrom, Gotthard, Greenwich, Conn., assignor to The Safe Padlock and Hardware Company, Lancaster, Pa. Door latch mechanism. 2,644,704, July 7.

Hagstrom, Gotthard, Greenwich, Conn., assignor to The Safe Padlock and Hardware Company, Lancaster, Pa. Dead latching mechanism. 2,644,705, July 7.

Hagstrom, Gotthard, Greenwich, Conn., assignor to The Safe Padlock and Hardware Company, Lancaster, Pa. Door lock. 2,662,387, Dec. 15.

Hagström, Olof, Gamlakarleby, Finland. Hand covering. 2,632,172, Mar. 24.

Hagstrom, Raymond A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Composite picker stick. 2,655,949, Oct. 20.

Hague, Floyd T., Drexell Hill, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Annular combustion liner having conical reentrant walls with fuel reversing elements. 2,628,474, Feb. 17.

Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air dispersion inlet means for combustion apparatus. 2,637,975, May 12.

Hahn, Frank J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Linoleum scratch compositions. 2,626,936, Jan. 27.

Hahn, Frank J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Pigment pastes comprising a pigment and a salt of a copolymer of styrene and a maleic half-ester. 2,647,094, July 28.

Hahn, Frederick, San Francisco, Calif., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 2,639,026, May 19.

Hahn, Homer H., and W. F. Hendricks, Pampa, Tex., assignors to Godfrey L. Cabot, Inc., Boston, Mass. Apparatus for producing impingement carbon black. 2,628,891, Feb. 17.

Hahn, Johann, Brooklyn, N. Y. Bloom shear. 2,648,383, Aug. 11.

Hahn & Kolb, assignee: *See*—
Venus, Willibald A.

Hahn, Paul T.: *See*—
Weaver, Ruth K., and Hahn.

Hahn, Peter J., Sr., assignor to Peter J. Hahn & Sons Company, Chicago, Ill. Adjustable foil feeding device for stamping machines. 2,634,533, Apr. 14.

Hahn, Peter J., Sr., assignor to Peter J. Hahn & Sons Company, Chicago, Ill. Foil feeding device for stamping machines. 2,634,973, Apr. 14.

Hahn, Peter J., & Sons Company, assignee: *See*—
Hahn, Peter J., Sr.

Hahn, Rea I., and B. E. Frank, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Apparatus for cutting tubing. 2,648,384, Aug. 11.

Hahn, Robert S., Northboro, assignor to The Heald Machine Company, Worcester, Mass. Feed mechanism for internal grinding machines. 2,647,348, Aug. 4.

Hahn, Robert S., Northboro, assignor to The Heald Machine Company, Worcester, Mass. Apparatus for cutting metals. 2,651,223, Sept. 8.

Hahn, Williard J., East Rochester, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Drum drier. 2,635,353, Apr. 21.

Hahs, James O., Sikeston, Mo. Mechanical hobbyhorse. 2,634,975, Apr. 14.

Haldégger, Hans, assignor to Ebauches S. A., Grenchen, Canton of Soleure, Switzerland. Device for testing the tolerances of workpieces. 2,663,943, Dec. 29.

Haigh, John T.: *See*—
Gale, Rowland A., and Haigh.

Haigh, Leslie B.: *See*—
Hatton, William, Haigh, and Kozma.

Haigh, Randolph, Princeton, British Columbia, Canada. Dredge suction point. 2,657,479, Nov. 3.

Haighton, Thomas: *See*—
Haythornthwaite, James J., and Haighton.

Haines, James L., Denver, Colo. Root severing attachment for tractors. 2,633,792, Apr. 7.

Haines, John F.: *See*—
Berninger, Kenneth L., and Haines.

Haines, John F., and C. B. Wright, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Aircraft propeller. 2,648,388, Aug. 11.

Haines, John R., deceased, Columbus, Ohio; M. E. Haines, executrix, assignor to Injection Molding Company, Kansas City, Mo. Machine for and method of forming hollow plastic articles. 2,632,202, Mar. 24.

Haines, Mary E., executrix: *See*—
Haines, John R.

Haines, Victor A., Evansville, Ind., assignor to International Harvester Company. Milk cooler. 2,644,604, July 7.

Haines, William J., and D. R. Collingsworth, assignors to The Upjohn Company, Kalamazoo, Mich. Steroid oxidation. 2,649,401, Aug. 18.

Haines, William J., and M. H. Kuizenga, assignors to The Upjohn Company, Kalamazoo, Mich. Bio-oxidation of steroids. 2,658,022, Nov. 3.

Haines, William T., Mountain Lakes, N. J., and J. B. Newsom, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar tandem office for telephone systems. 2,658,108, Nov. 3.

Hainke, Oscar T., and C. E. Lieurance, Enid, Okla. Protecting hood for implement drivers. 2,627,217, Feb. 3.

Hainsworth, Bruce A., Shaker Heights, assignor to The H. K. Ferguson Company, Cleveland, Ohio. Freight handling system. 2,642,197, June 16.

Hair, Richard T.: *See*—
Ball, Charles F., and Hair.

Hair, Richard T., Franklin, Pa., assignor to Joy Manufacturing Company. Reel drive and control mechanism. 2,639,101, May 19.

Hair, Valton W.: *See*—
Warren, Otto J., and Hair.

Haisch, Albert C., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Folding brace. 2,634,831, Apr. 14.

Haislip, Albert S., Fredericksburg, Va. Punch for cans. 2,632,241, Mar. 24.

Haist, Grant M.: *See*—
Russell, Harold D., and Haist.

Haister, Aaron, New York, N. Y. Wrist watch stand. 2,650,785, Sept. 1.

Haister, George, New York, N. Y. Measuring-marking space gauge. 2,662,290, Dec. 15.

Halt, James M., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Method of and apparatus for extracting juice from whole citrus fruit. 2,649,730, Aug. 25.

Hajek, Karel, assignor of one-half to Tesla, national corporation, Prague, Czechoslovakia. Teleprinting device. 2,660,617, Nov. 24.

Hajek, Louis, Jackson Heights, assignor to Holub-Dusha Co., New York, N. Y. Blank grinding machine. 2,648,936, Aug. 18.

Hake, Elmer C., assignor to Snap-On Drawer Company, Morrow, Ohio. Drawer. 2,630,363, Mar. 3.

Hakkarinen, William, Washington, D. C. Emergency fire escape system. 2,629,531, Feb. 24.

Hakomaki, Raymond I.: *See*—
Dungan, Raymond M., and Hakomaki.

Hakomaki, Raymond I., and T. R. James, Minneapolis, Minn., assignors to General Mills, Inc. Seaming apparatus for thermoplastic material. 2,635,673, Apr. 21.

Halahan, John, Jackson Heights, T. F. Aronson, Valley Stream, and F. A. Lyon, Upper Brookville, N. Y. Dispensing machine. 2,658,656, Nov. 10.

Halbig, Paul, and C. Taddei, Fribourg, Switzerland. Tempering curved glasses of organic materials. 2,659,105, Nov. 17.

Hald, Jens G., and I. G. Gad, Copenhagen, Denmark, and S. A. V. Deans, Rosemount, Montreal, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. Tetraethylthiuram disulfide derivatives. 2,647,145, July 28.

Halderson, Maxwell H., and W. L. Morris, Bartlesville, Okla., assignors to Phillips Petroleum Company. Apparatus for and method of discharging liquid. 2,631,673, Mar. 17.

Haldex Aktiebolag, assignee: *See*—
Andersson, Gustav H.

Hale, Andrew, and G. V. Kullgren, Akron, assignors, by mesne assignments, to The Aetna-Standard Engineering Company, Youngstown, Ohio. Apparatus for milling rubber. 2,663,901, Dec. 29.

Hale, Arthur N., Park Ridge, Ill., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine lubrication. 2,652,799, Sept. 22.

Hale, Arthur N., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,657,659, Nov. 3.

Hale, Arthur N., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanisms for sewing machines. 2,659,329, Nov. 17.

Hale Fire Pump Co., assignee: *See*—
Marmor, Adrian.

Hale, Frank J., trustee, assignee: *See*—
Cipolla, Joseph S.

Hale, Gerald A., assignor of one-quarter to C. Magee, Oklahoma City, one-quarter to G. A. Nicholson, and one-quarter to J. B. McGay, Tulsa, Okla. Automatic parking meter. 2,625,250, Jan. 13.

Hale, Gerald A., Oklahoma City, Okla. Automatic parking meter. 2,631,710, Mar. 17.

Hale, Gerald A., Oklahoma City, Okla. Timer apparatus for parking meters. 2,655,797, Oct. 20.

Hale, Henry E., Freeport, N. Y., assignor to Fairchild Camera and Instrument Corporation. Method of and apparatus for winding precision resistors. 2,639,864, May 26.

Hale, Jack C., San Jose, Calif. Towing dolly. 2,628,733, Feb. 17.

Hale, Lloyd: *See*—
Luksch, Andreas, and Hale.

Hale, Mary: *See*—
Wallerstein, James S., Hale, Alba, and Levy.

Hale, Roger W., Riverside, R. I. Fish lure. 2,632,276, Mar. 24.

Hale, Thomas O.: *See*—
Clayton, Alfred B., and Hale.

Hale, William C., Jr., assignor to South Chester Corporation, Chester, Pa. Blind riveted joint. 2,640,618, June 2.

Hale, William J., and P. Vogelsang, Midland, assignors, by mesne assignments, to Verdurin Company, Detroit, Mich. Seed germination. 2,664,350, Dec. 29.

Halecky, William H., New Hyde Park, N. Y. Fountain brush with self-closing outlet tube. 2,632,904, Mar. 31.

Halen, Charles A., San Diego, Calif. Haircutting device. 2,634,496, Apr. 14.

Hales, Everett B., Columbia Station, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Circular sweep circuit. 2,632,865, Mar. 24.

Haley, Allan M., assignor of twenty-five per cent to K. L. Stout and twenty-five per cent to K. Krumpholz, Los Angeles, Calif. Apparatus for controlling the movement and stopping of a band of material. 2,659,779, Nov. 17.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket and cover therefor. 2,628,740, Feb. 17.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Bottom draining spinning bucket. 2,663,988, Dec. 29.

Haley, James T., Syracuse, N. Y. Portable arm support. 2,659,423, Nov. 17.

Haley, Kenneth M.: *See*—
Trask, Harold V., and Haley.

Haley, Kenneth W., Tulsa, Okla. Sand pump plunger. 2,635,554, Apr. 21.

Haley, Patrick M., Duluth, Minn., assignor to Dowlong Manufacturing Co., Lafayette, Calif. Sliding door and hardware therefor. 2,632,926, Mar. 31.

Halfhill, Donald W., Marblehead, Mass., assignor to General Electric Company. Deviation compensator. 2,652,545, Sept. 15.

Halford, Frank B., Edgware, and A. V. Cleaver, London, assignors to The De Havilland Engine Company Limited, Stonegrove, Edgware, England. Compact container arrangement for propellant feeding means of rockets. 2,634,577, Apr. 14.

Halford, Frank B., Edgware, and E. S. Moult, Hatch End, assignors to The De Havilland Aircraft Company Limited, Hatfield, England. Turbo compressor jet-propulsion apparatus and adjustable nozzle therefor. 2,653,445, Sept. 29.

Halford, Frank B., Edgware, A. V. Cleaver, London, and E. B. Dove, East Barnet, assignors to The De Havilland Engine Company Limited, Stonegrove, Edgware, England. Control system for rocket motors. 2,659,197, Nov. 17.

Hall, Alan M., and R. Woolman, Leicester, England, assignors to B. B. Chemical Co., Boston, Mass. Stabilized toughened latex compositions. 2,651,618, Sept. 8.

Hall, Andrew D., Riverdale, N. Y. Match book holder. 2,653,705, Sept. 29.

Hall, Arthur H., La Crosse, Wis. Illuminated level. 2,652,481, Sept. 15.

Hall, Arthur L., Memphis, Tenn. Pulverizer and mixer. 2,652,983, Sept. 22.

Hall, Arthur L., and H. B. Dyer, Tampa, Fla., said Dyer assignor to said Hall. Telephone lock. 2,642,501, June 16.

Hall, Axel W., Still River, Mass. Drain valve mechanism for fluid pressure systems. 2,662,544, Dec. 15.

Hall, Bess H., assignee: *See*—
Hall, James A.

Hall Brothers Incorporated, assignee: *See*—
Gadberry, Howard M., and Peterson.

Hall, C. P., Company of Illinois, The, assignee: *See*—
Logan, Roger L.

Hall, Cecil L., assignee: *See*—
Thieman, John B.

Hall, Charles G., assignor of one-half to L. V. Dieter, Los Angeles, Calif. Toy catapulting gun. 2,663,291, Dec. 22.

Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lamp socket having a resiliently mounted contact. 2,664,548, Dec. 29.

Hall, Charles M., Trumbull, Conn., assignor to General Electric Company. Combination handle and support leg for ironer cabinets. 2,656,237, Oct. 20.

Hall, Charles T., Deptford, assignor to Molins Machine Company Limited, London, England. Device for opening shells of slide and shell cartons. 2,630,742, Mar. 10.

Hall, Charles T., Deptford, London, assignor to Molins Machine Company Limited, London, England. Mouthpiece for machines for packing cigarettes and like articles. 2,639,071, May 19.

Hall, Chester L., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Drum tumbler. 2,652,140, Sept. 15.

Hall, Chester L., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Wax flaker. 2,654,123, Oct. 6.

Hall, Chester L., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Flaking wax. 2,654,125, Oct. 6.

Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Thermosensitive resistance element containing eutectic mixtures. 2,627,570, Feb. 3.

Hall, Chester I., Vischer's Ferry, N. Y., assignor to General Electric Company. Overload protective relay. 2,654,813, Oct. 6.

Hall, Clarence B., Schenectady, N. Y., assignor to General Electric Company. Article retaining clamp. 2,625,360, Jan. 13.

Hall, Daniel C.: *See*—
Tanner, Charles A., Jr., and Hall.

Hall, Ellis C., assignor to Pump Development Company, Jackson, Miss. Fluid-operated liquid pump. 2,624,285, Jan. 6.

Hall, Gardner V., Des Moines, Iowa, and M. Shank, Oak Park, and A. F. Krauss, River Forest, Ill.; said Shank and said Krauss, assignors to The Richardson Company, Lockland, Ohio. Indicating vent plug construction. 2,631,182, Mar. 10.

Hall, Garland W., Port Neches, Tex., assignor to The Pure Oil Company, Chicago, Ill. Tube puller. 2,648,563, Aug. 11.

Hall, George B., Lunenburg, assignor to Morey Paper Mill Supply Co., Fitchburg, Mass. Pintle or the like structural element for hinged seams. 2,629,909, Mar. 3.

Hall, George L., Atlanta, Ga. Apparatus for the production of controlled saturated steam vapor. 2,638,383, May 12.

Hall, Glen R., Uhrichsville, Ohio. Traffic counter. 2,639,093, May 19.

Hall Harding Limited, assignee: *See*—
Leuch, Werner P.

Hall, Harlow H., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Production of vitamin B_{12} by streptomyces olivaceus. 2,643,213, June 23.

Hall, Harold F., Portland, Oreg. Rotary moldboard plow. 2,641,984, June 16.

Hall, Harry, Chicago, Ill. Toy holder and guard means. 2,628,666, Feb. 17.

Hall, Harry G.: *See*—
Harrison, Robert D., and Hall.

Hall, Hughes: *See*—
Smith, Daniel W., and Hall.

Hall, Harvey S.: *See*—
Townsend, Frederick H., and Hall.

Hall, Horatio V.: *See*—
Stratton, Frank E., and Hall.

Hall, James A., assignor, by decree of distribution to B. H. Hall, Pratt, Kans. Horizontal rotary drill. 2,625,375, Jan. 13.

Hall, James H., Lake Bluff, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electrical timing system and apparatus. 2,635,689, Apr. 21.

Hall, James H., Lake Bluff, Ill., assignor to Fansteel Metallurgical Corporation. Sealed rectifier. 2,661,447, Dec. 1.

Hall, Jesse B., Berwind, W. Va. Deactivating lamp disposal plant. 2,628,036, Feb. 10.

Hall, Jesse E., assignor of ten per cent to Parker Industrial Products, Inc., Weatherford, Tex. Apparatus for multistage cementing of deep wells. 2,646,125, July 21.
Hall, Jesse E., Sr., Weatherford, Tex. Applicator tool for drill pipe protectors. 2,633,632, Apr. 7.
Hall, Jesse E., Sr., assignor of ten per cent to Parker Industrial Products, Inc., Weatherford, Tex. Drill pipe protector. 2,657,956, Nov. 3.
Hall, John F., Jr.: *See*—
Klein, Arnold M., and Hall.
Hall, John I., assignor to The Bristol Company, Waterbury, Conn. Compensated calibrating means for electrical instruments 2,628,993, Feb. 17.
Hall, Joseph E., San Diego, Calif. Violin rest. 2,652,739, Sept. 22.
Hall, Keith W.: *See*—
Belden, Byron B., and Hall.
Hall, Kendall L., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Wound package liner-wrapper. 2,641,102, June 9.
Hall, Leonard L., Rochester, and R. A. Tollefsen, Brighton, assignors to Rochester Manufacturing Company, Inc., Rochester, N. Y. Liquid level gauge. 2,630,715, Mar. 10.
Hall, Maynard G., Rutherford, assignor to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,658,659, Nov. 10.
Hall & McChesney Inc., assignee: *See*—
Baule, Gerhard H. J.
McChesney, Donald S.
Hall, Melvin R., Atlantic City, N. J. Toy railway auxiliary. 2,639,548, May 26.
Hall, Nathan I., Madison, and C. A. Warren, Watchung, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase adjuster. 2,629,773, Feb. 24.
Hall, Nathaniel R.: *See*—
Hogaboom, George B., Jr., and Hall.
Hall-Neal Furnace Company, assignee: *See*—
Dietz, Clifford H.
Hall, Newton L., Long Beach, Calif. Rotary weight-impact crushing mill. 2,653,769, Sept. 29.
Hall, Pike, assignee: *See*—
Menge, Theodore L.
Hall, Preston M., Warren, Ohio. Tool trimming device. 2,638,817, May 19.
Hall, Ray E., assignor to Nova Development Inc., Minneapolis, Minn. Apparatus for controlling vibratory members. 2,630,873, Mar. 10.
Hall, Reginald H.: *See*—
Aller, Basil V., Hall, Quin, and Turck.
Armstrong, Godfrey P., Hall, Quin, and Turck.
Hall, Reginald H., Sutton, England, assignor to The Distillers Company Limited, Edingurgh, Scotland. Frothing agents for the flotation of ores. 2,657,800, Nov. 3.
Hall, Richard F., Binghamton, N. Y. Vertical rotary tool support. 2,631,502, Mar. 17.
Hall, Robert, Los Angeles, Calif. Protective covering for dispensing nozzles. 2,649,770, Aug. 25.
Hall, Robert E., Larkinsville, Ala. Automatic lighting circuit. 2,648,801, Aug. 11.
Hall, Robert E., Larkinsville, Ala. Automatic lighting circuit. 2,664,524, Dec. 29.
Hall, Roger N.: *See*—
Fremlin, John H., and Hall.
Hall, Rolland G.: *See*—
Martin, Walter F., and Hall.
Hall, Rolland G., Yalesville, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Apparatus for removing excess solder from soldered articles. 2,658,466, Nov. 10.
Hall, Rolland G., Yalesville, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Automatic machine for milling the ends of handles or the like. 2,661,662, Dec. 8.
Hall, Ronald B.: *See*—
Wharton, John, and Hall.
Hall, Samuel J.: *See*—
Barrett, Hillard E., Hall, and Schaffer.
Hall, Stanley A.: *See*—
Feeney, Thomas A., and Hall.
Hall, Victor C., Media, Pa., assignor to Merck & Co., Inc. Machine for irradiating liquids. 2,651,724, Sept. 8.
Hall, W. F., Printing Company, assignee: *See*—
Ackley, Raymond E.
Hall, Walter B.: *See*—
Sillars, George S., and Hall.
Hall, Willard C., assignor to Electronics Enterprises, Los Angeles, Calif. Circuit for space discharge lamps. 2,659,034, Nov. 10.
Hall, William M., Lexington, and F. A. Gross, Weston, assignors to Raytheon Manufacturing Company, Newton, Mass. Heating apparatus. 2,648,760, Aug. 11.
Hall, William R., New Hyde Park, N. Y. Double-action cam for electrical portable hedge trimmers. 2,630,628, Mar. 10.
Halladay, John F.: *See*—
Mann, Fred A., Jr., and Halladay.
Hallahan, Edward M., Philadelphia, Pa. Toothbrush package. 2,649,959, Aug. 25.
Hallam, Sleigh & Cheston Limited, assignee: *See*—
Robertson, Robert.
Hallander, Elvin E., West Caldwell, assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J. Ventilated and automatically controlled dry cleaning apparatus. 2,629,242, Feb. 24.
Hallander, Elvin E., West Caldwell, assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J. Dry cleaning apparatus. 2,629,243, Feb. 24.
Halliden, Frederick G., Bellerose, N. Y., and D. M. Zabriskie, Northvale, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Multistylus facsimile machine. 2,639,211, May 19.
Halliden, Karl W., Thomaston, Conn. Cutting device of the miss-cut type. 2,642,937, June 23.
Halliden, Karl W., Thomaston, Conn. Rotary miss-cut shears. 2,642,938, June 23.
Hallen Company, Inc., The, assignee: *See*—
Kirk, Melvin B.
Hallenbeck, Thomas L., assignor to Baker Brothers, Inc., Toledo, Ohio. Molding machine. 2,627,086, Feb. 3.
Hallenbeck, Thomas L., assignor to Baker Bros. Inc., Toledo, Ohio. Turret control mechanism. 2,628,413, Feb. 17.
Haller, John, Detroit, Mich. Porous bearing with lubricant reservoir therein. 2,625,452, Jan. 13.
Haller, John, Detroit, Mich. Making chambered articles containing a movable element. 2,628,166, Feb. 10.
Haller, John, Detroit, Mich. Coil stock holding and feeding device. 2,630,277, Mar. 3.
Haller, John, Detroit, Mich. Feeding device for sheet material. 2,660,427, Nov. 24.
Haller, John, Northville, Mich. Hydraulic molding press. 2,640,325, June 2.
Haller, John, Northville, Mich. Compound hydraulic motor for molding presses. 2,651,180, Sept. 8.
Haller, John, Northville, Mich. Fluid-cushioned artificial leg. 2,657,393, Nov. 3.
Haller, John F., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Amperometric analyzer. 2,651,612, Sept. 8.
Haller, Raymond and Brown, Inc., assignee: *See*—
Raymond, Richard C.
Hallett, Charles H., Cleveland, and E. F. Heiser, Parma, Ohio, assignors to Ross Operating Valve Company, Detroit, Mich. Speed control valve. 2,659,386, Nov. 17.
Hallett, Henry A.: *See*—
Tinley, Ernest L., and Hallett.
Halley, Angus M., Moseley, Birmingham, England. Rotary photogravure printing machine. 2,638,843, May 19.
Halley, Angus M., Moseley, Birmingham, England. Rotary photogravure printing apparatus. 2,638,844, May 19.
Halley, Angus M., Moseley, Birmingham, England. Rotary printing machine. 2,639,666, May 26.
Halley, Angus M., Moseley, Birmingham, England. Rotary photogravure printing apparatus. 2,652,773, Sept. 22.
Halley, Angus M., Moseley, Birmingham, England. Rotary photogravure printing apparatus. 2,653,535, Sept. 29.
Halley, Angus M., Moseley, Birmingham, England. Rotary printing machine. 2,653,539, Sept. 29.
Halliburton Oil Well Cementing Company, assignee: *See*—
Clark, Hilliard F.
Hallicrafters Co., The, assignee: *See*—
Samuelson, Robert E.
Halliday, Thomas W., Los Angeles, Calif. Surgical wire feeding device. 2,625,934, Jan. 20.
Halligan, Eugene P., Chicago, Ill., assignor to Nye Tool Company. Thread cutter. 2,629,886, Mar. 3.
Hallikainen, Kauko E.: *See*—
Fallgatter, Marvin B., and Hallikainen.
Hallman, Ludlow B., Jr., Dayton, Ohio. Computer for converting electrical code into shaft rotation. 2,643,355, June 23.
Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Pulse counter. 2,641,694, June 9.
Hallonquist, Earl G.: *See*—
Meller, John G., Hallonquist, and Hilton.
Meller, John G., Hallonquist, and Rauch.
Hallonquist, Earl G., assignor to Plywood Research Foundation, Tacoma, Wash. Estherified lignocellulose, etherified lignocellulose containing products, and making same. 2,635,968, Apr. 21.
Hallum, Odean T., Denver, Colo. Automatic livestock feeder. 2,658,477, Nov. 10.
Haloid Company, The, assignee: *See*—
Copley, Harold E.
Dessauer, John H., and Insalaco.
Mayo, Clyde R., and Benson.
Mayo, Clyde R., and Wolfe.
Mengali, Otavio J., and Middleton.
Middleton, Arthur E.
Middleton, Arthur E., and Mengali.
Sabel, Edward R., and Mayo.
Halpern, Alfred, Brooklyn, assignor to E. Fougera & Co., Inc., New York, N. Y. Diuretic mercury compounds. 2,636,045, Apr. 21.
Halpern, Alfred, Brooklyn, assignor to E. Fougera & Co., Inc., New York, N. Y. N-allyl-and N-butenyl-hydantoic acid. 2,650,247, Aug. 25.
Halpern, Bernard R., New York, N. Y. Optically true support for photographic film, copy, or other material. 2,645,153, July 14.
Halpern, Ernst, St. Louis, Mo. Rotary pump and turbine hydraulic coupling. 2,627,164, Feb. 3.

Halpern, Robert L.: *See*—
Foster, Henry W., and Halpern.
Halpert, Percy: *See*—
Curry, Robert S., Jr., and Halpert.
Jude, George F., Newton, Brannin, and Halpert.
Halpert, Percy, Hempstead, assignor to The Sperry Corporation, Great Neck, N. Y. Aircraft automatic pilot turn control system. 2,630,282, Mar. 3.
Halpin, Eugene P., South Bend, Ind., assignor to Bendix Aviation Corporation, Detroit, Mich. Pulse rectifier circuit. 2,659,007, Nov. 10.
Halpin, George F., and E. Lazaroff; said Lazaroff assignor of one-fourth to I. Lazaroff, New Haven, Conn. Mechanical hem marker. 2,659,147, Nov. 17.
Halpine, Charle G., Annapolis, Md. Bitt-chock. 2,649,069, Aug. 18.
Hals, Lyle J.: *See*—
Pearlson, Wilbur H., and Hals.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Filler feed for cigar bunch machines. 2,625,938, Jan. 20.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigarillo machine. 2,633,134, Mar. 31.
Haltenberger, Jules, Rancho Sante Fe, Calif. Combustion engine inlet manifold. 2,640,470, June 2.
Haltenberger, Jules, Rancho Santa Fe, Calif. Automobile V engine symmetrical manifold. 2,640,471, June 2.
Halter, Allan C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Venting arrangement for liquid rheostats. 2,632,077, Mar. 17.
Halter, Allan C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric control system for dynamoelectric machines with reversible current. 2,659,040, Nov. 10.
Halversen, Roy A., Cleveland Heights, Ohio, assignor to Parker Halversen Company, Niles, Mich. Making aluminum oxide. 2,643,935, June 30.
Halverson, Bertram A., Forest Grove, Oreg. Cultivator depth control device. 2,640,403, June 2.
Halverson, Lloyd B., Topeka, Kans. Rotary impact tool with longitudinal delivering means. 2,633,042, Mar. 31.
Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Automatic telegraph switching system. 2,625,601, Jan. 13.
Halvorsen, Russell V., Antioch, W. F. Krause, Chicago, and R. J. Polivka, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Tool operating machine having apparatus for positioning work in a plurality of positions. 2,655,059, Oct. 13.
Ham, George E.: *See*—
Gann, Paul W., and Ham.
Gluesenkamp, Earl W., and Ham.
Wesp, George L., and Ham.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Copolymers of acrylonitrile and an allyl or methallyl ester of a monohalogen substituted, saturated, aliphatic, monocarboxylic acid. 2,635,092, Apr. 14.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Dyeing an acrylonitrile copolymer with acid dyes and thiourea. 2,637,620, May 5.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Preparing a dye-receptive synthetic fiber. 2,639,969, May 26.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Synthetic fiber preparation from solutions of acrylonitrile polymers in dimethyl phosphite. 2,641,585, June 9.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Preparing polymers. 2,643,990, June 30.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Acrylonitrile copolymers. 2,650,151, Aug. 25.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Dyeable acrylonitrile copolymers. 2,656,326, Oct. 20.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Preparing dye-receptive acrylonitrile polymers. 2,656,336, Oct. 20.
Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Polymeric N-methacrylyl morpholine. 2,658,056, Nov. 3.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Fiber-spinning compositions. 2,660,571, Nov. 24.
Ham, George E., assignor to The Chemstrand Corporation, Decatur, Ala. Synthetic fiber preparation. 2,656,329, Oct. 20.
Ham, George E., and A. B. Craig, Dayton, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Fiber-forming polymers rendered dye-receptive by reaction with tris (dimethylamido) phosphite. 2,643,986, June 30.
Ham, George E., and A. B. Craig, assignors to The Chemstrand Corporation, Decatur, Ala. Copolymers of acrlyonitrile and nicotinamides. 2,664,412, Dec. 29.
Hamacher, Edward A., Irvington, and K. Lowitzsch, Yonkers, assignors to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Circular slide wire resistance element. 2,658,131, Nov. 3.
Hamaishi, Fred R.: *See*—
Arashiro, Nicholas N., and Hamaishi.
Hamann, Kuno E., Long Island City, N. Y., assignor to J. A. Lamprecht, Elizabeth, N. J. Selective article vending machine. 2,642,171, June 16.
Hamblet, Marcia C., New York, N. Y. Nonspill powder container. 2,656,090, Oct. 20.
Hamblin, Clyde M., Washington, D. C. Construction of flexible hose. 2,640,500, June 2.
Hamelink, Cornelis A. S., Amsterdam, assignor to T. Reumerman, Zandvoort, and W. H. T. Helmig, Leiden, Netherlands. Register having a check wheel connected for operation thereby. 2,656,108, Oct. 20.
Hamer, Clarence F., Iowa City, Iowa. Transmission jack. 2,637,449, May 5.
Hamer, Francis R., West Asheville, N. C. Combined cigarette holder, casing, and stand. 2,626,614, Jan. 27.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Line blind. 2,635,643, Apr. 21.
Hamer, Leland S., Long Beach, Calif. Gate valve. 2,636,713, Apr. 28.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Sealing construction for plug valves. 2,646,247, July 21.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Pipe line fitting. 2,649,117, Aug. 18.
Hamill, Raymond L., Grass Lake, Mich. Indexing work support. 2,644,372, July 7.
Hamilton, Arthur S., Jr., Brighton, N. Y. Apparatus for cleaning bottles. 2,640,212, June 2.
Hamilton, Arthur S., Jr., Brighton, N. Y. Automatic leveling mechanism for hoisting trucks. 2,653,679, Sept. 29.
Hamilton, Bertis F., Columbus, Ind. Metal furniture. 2,656,881, Oct. 27.
Hamilton, Francis E., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Zero splits. 2,641,180, June 9.
Hamilton, Francis E., Endicott, R. R. Seeber, Jr., Scarsdale, R. A. Rowley, Binghamton, and E. S. Hughes, Jr., Vestal, assignors to International Business Machines Corporation, New York, N. Y. Selective sequence electronic calculator. 2,636,672, Apr. 28.
Hamilton, Herschel B., Sapulpa, Okla. Clutch adjusting screw. 2,630,898, Mar. 10.
Hamilton, James C., assignee: *See*—
Phillips, Lester E.
Hamilton, James O., Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Run-out detector. 2,643,306, June 23.
Hamilton, Jean W., Montclair, assignor to Airtron, Inc., Linden, N. J. Quickly operable conduit clamp. 2,643,139, June 23.
Hamilton, John, Ivyland, Pa., assignor to M. I. Ruth, Louisville, Ky. Hosiery production. 2,629,995, Mar. 3.
Hamilton, John, Ivyland, Pa., assignor to M. I. Ruth, Louisville, Ky. Hosiery. 2,629,996, Mar. 3.
Hamilton, John, Oakford, and A. A. Meder, Jr., Penllyn, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Shrinkage method for knitted fabrics. 2,661,520, Dec. 8.
Hamilton, Joseph R., Baker, Oreg. Pylon. 2,650,827, Sept. 1.
Hamilton, Karl M., Chicago, Ill. Railway car truck bolster stabilizer. 2,661,703, Dec. 8.
Hamilton, Karl M., Chicago, Ill. Bolster supporting spring group and stabilizing means. 2,661,944, Dec. 8.
Hamilton Manufacturing Company, assignee: *See*—
Brown, Clifford S.
Hamilton Metal Products Company, The, assignee: *See*—
Piker, Herbert M.
Hamilton, Munroe H., assignee: *See*—
Rowell, William G.
Hamilton, Sylvester J., Huntington Park, assignor to O'Keefe & Merritt Company, Los Angeles, Calif. Method and apparatus for making apertured manifolds for gas stoves. 2,632,511, Mar. 24.
Hamilton Tool Company, The, assignee: *See*—
De Lano, Walter W.
Doppleb, Herman A.
Franzmann, William H.
Hamilton, Wallace, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Electric door operator. 2,661,945, Dec. 8.
Hamilton Watch Company, assignee: *See*—
Goldberg, David C., and Schafer.
Koehler, Fred.
Le Van, James O.
Martin, Joseph S., Jr.
Thomson, Millard R.
Van Haaften, Egbert.
Hamilton, William F., Altadena, assignor to F. M. Turnbull, Los Angeles, Calif. Fabric cleaning stick and brush combination. 2,637,868, May 12.
Hamister, Victor C., Lakewood, Ohio, assignor to Union Carbide and Carbon Corporation. Graphitization of carbon articles. 2,644,020, June 30.
Hamlin, Halley H., Cortland, N. Y. Beverage dispensing apparatus. 2,655,858, Oct. 20.
Hamlin, Kenneth E., Jr.: *See*—
Weston, Arthur W., and Hamlin.
Hamlin Metal Products Company, The, assignee: *See*—
Walklet, Mercer D.

Hamlin, Vinton L., Sherman Oaks, Calif., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Automobile transmission handling jack. 2,643,779, June 30.

Hamm, Douglas W., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Piston ring construction. 2,664,328, Dec. 29.

Hamm, Willy F.: *See*—
Sindzinski, Willy K., and Hamm.

Hammarbach, Robert W., Fostoria, Ohio. Universal coupling. 2,643,528, June 30.

Hammarström, Johan E., assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Bow saw. 2,651,341, Sept. 8.

Hammell, Kemper M., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Garbage disposal apparatus. 2,661,909, Dec. 8.

Hammell, Kemper M., Harrisburg, Pa., assignor to General Electric Company. Indicator switch mechanism for electric ranges and the like. 2,637,800, May 5.

Hammell, Kemper M., Harrisburg, Pa., assignor to General Electric Company. Control mechanism for clothes driers. 2,645,032, July 14.

Hammell, Kemper M., Lombard, and C. E. Erickson, Chicago, Ill., assignors to General Electric Company. Clothes drier. 2,644,245, July 7.

Hammer, Bernard W.: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.

Hammer, Irving P., Belleville, and J. B. Rust, East Hanover, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Control of wool shrinkage by polyamides. 2,644,773, July 7.

Hammer, Karl E., University City, Mo., assignor to Gray Company, Inc., Minneapolis, Minn. Retractable hose-supporting means for lubrication lifts. 2,659,937, Nov. 24.

Hammerberg, Chester A., Des Plaines, assignor to Armour and Company, Chicago, Ill. Meat-shaping apparatus. 2,625,876, Jan. 20.

Hammerly, Herman J., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Sliding connector for bus bar sections. 2,626,298, Jan. 20.

Hammerly, Herman J., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Bus duct system of power distribution. 2,626,301, Jan. 20.

Hammerly, Herman J., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Monitor box unit for bus bar duct systems. 2,632,786, Mar. 24.

Hammerly, Herman J., Plainville, and C. Bangert, Jr., New Britain, Conn., assignors, by mesne assignments, to General Electric Company. Panel board construction. 2,632,039, Mar. 17.

Hammermann, Herbert, Berlin, Germany. Anesthetic apparatus. 2,664,084, Dec. 29.

Hammerstein, Arthur, Roselle, Ill. Holder for container of pulverant material with means to puncture said container and dispense said material. 2,650,740, Sept. 1.

Hammerschlag, Georg, Bilthoven, Netherlands, assignor, by mesne assignments, to Parker Machine Co., Inc., Brooklyn, N. Y. Machine for manufacturing mass articles of bent wire. 2,636,523, Apr. 28.

Hammerstrom, Henry H.: *See*—
Woodruff, Leo B., Alcorn, and Hammerstrom.

Hammett, Aubrey R., Jr., assignee: *See*—
Beets, James D.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Building construction and means for erecting the same. 2,630,892, Mar. 10.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Means for fastening material to structural iron framework. 2,634,832, Apr. 14.

Hammitt, Andrew B., and H. L. Birum, Jr., Trenton, N. J. Flashing construction. 2,664,177, Dec. 29.

Hammon, George L.: *See*—
Welty, Charles H., and Hammon.

Hammon, Henry G., Stevensville, Mich., assignor, by mesne assignments, to C. L. Wilson, Columbus, Ohio. Making an expanded material and the product resulting therefrom. 2,653,917, Sept. 29.

Hammon, Henry G., Stevensville, Mich., assignor, by mesne assignments, to C. L. Wilson, Columbus, Ohio. Making compressed sponges. 2,659,935, Nov. 24.

Hammon, Lester, Poplar Bluff, assignor of fifty percent to E. A. Maddux, Butler County, Mo. Cultivator. 2,662,462, Dec. 15.

Hammond, Charles F., Grosse Pointe, assignor to Gemmer Manufacturing Company, Detroit, Mich. Manual and hydraulic power actuated steering gear. 2,650,669, Sept. 1.

Hammond, Dale V., Pittsburg, Kans., T. R. Shaw, and G. O. Miller, Bartlesville, Okla., assignors to Phillips Petroleum Company. Furnace damper control. 2,638,892, May 19.

Hammond, Dean B.: *See*—
Kaiser, Edgar F., and Hammond.

Hammond, Edmund B., Jr.: *See*—
Holschuh, Carl G., Hammond, and White.

Hammond, Edward R., Baltimore, Md. Windbreaker for baby strollers. 2,635,916, Apr. 21.

Hammond, Gordon, Ashland, assignor to Reynolds Metals Company, Richmond, Va. Machine for closing containers. 2,664,060, Dec. 29.

Hammond Instrument Company, assignee: *See*—
Hammond, Laurens, and Stephens.
Hanert, John M.

Hammond Iron Works, assignee: *See*—
Fino, Alexander F., and Plummer.

Hammond, Jasper C., assignor to Franklin Transformer Manufacturing Company, Inc., Minneapolis, Minn. Battery tester. 2,644,739, July 7.

Hammond, John G.: *See*—
Musk, Henry A., and Hammond.

Hammond, John H., Jr., Gloucester, Mass. Television type facsimile transmission system. 2,642,492, June 16.

Hammond, John H., Jr., Gloucester, Mass. Magnetic mixer. 2,649,288, Aug. 18.

Hammond, John H., Jr., Gloucester, Mass. Television type facsimile transmission system. 2,656,412, Oct. 20.

Hammond, John H., Jr., and E. S. Purington, Gloucester, Mass.; said Purington assignor to said Hammond, Jr. Television still picture receiver. 2,660,616, Nov. 24.

Hammond, John V., Spangler, Pa. Wedge type bolt or pin. 2,651,962, Sept. 15.

Hammond, Joseph, Rockford, Ill. Barber's clipper holder. 2,662,719, Dec. 15.

Hammond, Laurens, Chicago, and G. H. Stephens, Glencoe, assignors to Hammond Instrument Company, Chicago, Ill. Pedal clavier switch mechanism. 2,626,325, Jan. 20.

Hammond Machinery Builders, Incorporated, assignee: *See*—
Krueger, Edward C., and Vander Linde.
Sutton, Donald E.
Zinn, Clarence A., and Perkins.

Hammond, R. Philip, and J. A. Leary, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Filter. 2,629,459, Feb. 24.

Hammond, Robert S.: *See*—
Holmes, Louis D., and Hammond.

Hammond, Walter H., Miamisburg, L. C. Holt, Dayton, Ohio, and R. L. Schaefer, Decatur, Ala., assignors, by mesne assignments, to The Chemstrand Corporation. Dry spinning apparatus. 2,636,217, Apr. 28.

Hammond, William E.: *See*—
Holm, Sven, and Hammond.

Hammond, William E., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Heat exchanger core with beam components. 2,650,076, Aug. 25.

Hammond, William E., and P. H. Karlason, Wellesville, assignors to The Air Preheater Corporation, New York, N. Y. Punched fin elements for heat exchangers. 2,632,633, Mar. 24.

Hammond, William E., Wellsville, and C. A. Ballard, Belmont, assignors to The Air Preheater Corporation, New York, N. Y. Heat exchanger envelope comprising assembled channels and plates. 2,650,077, Aug. 25.

Hammond, William E., Wellsville, and C. A. Ballard, Belmont, assignors to The Air Preheater Corporation, New York, N. Y. Heat exchanger envelope comprising notched channels mounting sinuous fin elements. 2,663,550, Dec. 22.

Hammond, William J., assignee: *See*—
Griffin, Dana A.

Hamner, Bertine L., assignee: *See*—
Cohun, Homer H.

Hamner, Glen P., Baton Rouge, and T. G. Jones, East Baton Rouge, La., assignors to Standard Oil Development Company. Purification of oxo alcohols by controlled water treatment. 2,636,847, Apr. 28.

Hamner, Lloyd, assignee: *See*—
Cohun, Homer H.

Hampden Brass and Aluminum Company, assignee: *See*—
Abraham, David.

Hampe, Pierre, assignor of one-half to Societe dite: Etablissements & Laboratoires Georges Truffaut, Versailles, France. Means for electrifying pulverulent materials. 2,659,841, Nov. 17.

Hampe, Pierre, Versailles, assignor of one-half to G. Truffaut, Paris, France. Method and apparatus for producing electrified powders by friction. 2,657,339, Oct. 27.

Hampshire, Robert A., West Caldwell, F. W. Iden, Pompton Plains, and P. L. Hancock, Rochelle Park, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Mechanical modulator. 2,660,709, Nov. 24.

Hampson, Henry: *See*—
Cave, Godfrey J., Hampson, and Stoneman.

Hampton, John H., Oaklyn, N. J., assignor to Beaumont Birch Company, Philadelphia, Pa. Continuous flow flight conveyer. 2,635,734, Apr. 21.

Hampton, John H., Oaklyn, N. J., assignor to Beaumont Birch Company, Philadelphia, Pa. Apparatus for conveying dust, fly ash, and the like. 2,647,020, July 28.

Hampton, Harry, Burkburnett, Tex. Apparatus for preparing a well casing for sidetrack drilling. 2,633,331, Mar. 31.

Hampton, Leon N., Pleasantville, and M. Salzer, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Flexible card feed. 2,639,149, May 19.

Hampton Machine Company, assignee: *See*—
Pendleton, Pyam L.
Pendleton, Pyam L., and Sherman.

Hampton, Ronald, Wightwick, near Wolverhampton, assignor to The Union Steel & Manufacturing Company Limited, Wolverhampton, Staffordshire, England. Machine for straightening and polishing metal round section bars or tubes. 2,650,639, Sept. 1.

Hampton, Zackariah T., assignee: *See*—
Hill, Earl J.

Hamshire, Marcelle E.: *See*—
Lowe, Wesley G., and Hamshire.

Hanback, Francis J.: *See*—
Peters, Fred, and Hanback.

Hanby, George D.: *See*—
Van Haften, Lester W., and Hanby.

Hanby, William E.: *See*—
Bamford, Clement H, Hanby, and Happey.

Hance, Harold V.: *See*—
Johnstone, Charles W., and Hance.

Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Railway signaling system. 2,655,594, Oct. 13.

Hanchey, Ray B., Dallas, Tex. Battery additive product and making the same. 2,631,117, Mar. 10.

Hancock, Henry, assignee: *See*—
Glatter-Götz, Joseph.

Hancock Kenneth G.: *See*—
Caldwell, Harry B., and Hancock.

Hancock Manufacturing Company, assignee: *See*—
Marple, Rollo.

Hancock Oil Company of California, The, assignee: *See*—
Taylor, Newcomb D.

Hancock, Peter L.: *See*—
Hampshire, Robert A., Iden, and Hancock.

Hancock, Robert D., Compton, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Glow tube cathode support. 2,632,128, Mar. 17.

Hancock, Robert D., Compton, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Graph sensing device. 2,635,195, Apr. 14.

Hancock, Robert D., Compton, and L. T. Prothers, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Graph transformation device. 2,624,848, Jan. 6.

Hancock, William E., Sherman Oaks, Calif. Spinner fishing lure. 2,653,409, Sept. 29.

Hancy, Allan F., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Air charging and air volume control for water systems. 2,651,260, Sept. 8.

Hand, Wilfred C., Mountainside, N. J. Seafood spoilage indicating system. 2,626,855, Jan. 27.

Hand, Wilfred C., Mountainside, N. J. Nail straightening pliers. 2,628,519, Feb. 17.

Handcraft Company, Inc., assignee: *See*—
Giese, Alfred G., Jr.

Handee Products, Inc., assignee: *See*—
Zore, Edward F.

Handleman, Leo: *See*—
Kroll, George, and Handleman.

Handley, Harold E., Jackson, Mich. Gas burner and secondary air supply means. 2,646,842, July 28.

Handley, John, London, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Ticket printing and issuing machine. 2,629,319, Feb. 24.

Handley, John, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Monogrammic indicator. 2,642,685, June 23.

Handley, John, Purley, England, assignor to The Union Totalisator Company, Limited, Glasgow, Scotland. Counting mechanism. 2,649,249, Aug. 18.

Handley, John, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Plural counter selecting and operating means. 2,650,025, Aug. 25.

Handren, Arthur V., Jr., Birmingham, assignor to No-Sag Spring Company, Warren Township, Mich. Spring assembly for spring cushion construction. 2,659,417, Nov. 17.

Hands, William C., Jr., Rutherford, N. J. Portable weeder. 2,625,867, Jan. 20.

Handwerk, Erwin C., Lehighton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Contacting solids and gases. 2,627,668, Feb. 10.

Handwerk, Erwin C., Lehighton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Effecting indirect heat transfer. 2,628,077, Feb. 10.

Handwerk, Erwin C., Lehighton, G. T. Mahler, and L. J. Held, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Condensing zinc vapor. 2,637,649, May 5.

Handy, Ralph L., Mishawaka, assignor to The Studebaker Corporation, South Bend, Ind. Starter switch apparatus. 2,647,178, July 28.

Hanell, Stig G.: *See*—
Alfredsson, Karl G. E., and Hanell.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,645,968, July 21.

Hanert, John M., Park Ridge, assignor to Hammond Instrument Company, Chicago, Ill. Ear response compensated volume control apparatus. 2,646,468, July 21.

Hanes Hosiery Mills Company, assignee: *See*—
Dowell, George D.
Hanes, James G., Jr., and G. S. and G. E. Campbell.

Hanes, James G., Jr., Winston-Salem, N. C., G. S. and G. E. Campbell, Chattanooga, Tenn., assignors to Hanes Hosiery Mills Co., Winston-Salem, N. C. Circular knitting machine. 2,644,325, July 7.

Hanes, James W. E.: *See*—
Williams, William J., and Hanes.

Hanes, P. H., Knitting Company, assignee: *See*—
Cantrell, Walker W.

Hanes, Roger A., and H. E. Luebbers, Fort Dodge, Iowa. Brake pedal holding device. 2,662,728, Dec. 15.

Haney, Burnice F.: *See*—
Ewers, Mitchell H., Haney, and Ewers.

Haney, Roy E. D.: *See*—
Archibald, Francis M., Konrad, and Haney.

Haney, Thomas G., assignor to National Pressure Cooker Company, Eau Claire, Wis. Case for condition indicating device. 2,627,312, Feb. 3.

Hanf, Edward M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looptaker mounting means for sewing machines. 2,646,760, July 28.

Hanford, Walter L., Omaha, Nebr. Foldable eyeshade. 2,632,164, Mar. 24.

Hanger, Alexander W., Staunton, Va. Rainproof fluorescent lamp fixture. 2,625,647, Jan. 13.

Hanhart, Carl G., Thalwil, Zurich, Switzerland. Apparatus for wet treatment of a continuous wide strip of fabric. 2,663,177, Dec. 22.

Hankes, Elmer J.: *See*—
Hove, Leland H., Hankes, and Perry.

Hankins Container Company, The, assignee: *See*—
White, Ray T.

Hanks, Kenneth O., Jr., assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse cutout. 2,629,795, Feb. 24.

Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Open telegraph line indicator. 2,625,608, Jan. 13.

Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Telegraph repeater. 2,625,609, Jan. 13.

Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Hub telegraph repeater. 2,632,054, Mar. 17.

Hanley, Frank H., Butler City, N. J., assignor to American Telephone and Telegraph Company. Multiway telegraph repeater system. 2,664,466, Dec. 29.

Hanley, Stanley M., assignee: *See*—
Bixby, William H.

Hanley, Thure E., Washington, D. C. Electromagnetic shielding apparatus. 2,636,123, Apr. 21.

Hanlon & Goodman Co., assignee: *See*—
Sauter, Harold F., and Weinberger.

Hanmer, Robert S.: *See*—
Smith, Frederick M., and Hanmer.

Hanna, A. N., Co., Inc., assignee: *See*—
Hanna, Atto N.

Hanna, Atto N., assignor to A. N. Hanna Co., Inc., Atlantic Highlands, N. J. Key holder. 2,648,215, Aug. 11.

Hanna, Atto N., assignor to A. N. Hanna Co., Inc., Atlantic Highlands, N. J. Key ring holder. 2,648,216, Aug. 11.

Hanna, Clinton R.: *See*—
Holliday, Ivar M., Douglas, and Hanna.

Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for craft operable in space. 2,638,288, May 12.

Hanna, Clinton R., Pittsburgh, and K. A. Oplinger, Verona, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for dirigible craft. 2,656,134, Oct. 20.

Hanna, Delbert L., and B. O. Strom, Syracuse, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Refining chlorinated benzenes. 2,653,904, Sept. 29.

Hanna, Fred G., New Smyrna Beach, Fla. Calendar. 2,631,391, Mar. 17.

Hanna, Glenn E., assignor to Breco Manufacturing Company, Baltimore, Md. Coupling. 2,642,297, June 16.

Hanna, Rose T., West Somerville, Mass. Device for use in making bound buttonholes. 2,641,388, June 9.

Hanna, V. D., assignee: *See*—
Carlson, Emil.

Hannah, Philip, assignor of fifty per cent to T. R. Dunlevy, Miami, Fla. Nut-holding socket wrench. 2,632,351, Mar. 24.

Hannahs, Wilson H., Westbury, N. Y., assignor to Sylvania Electric Products Inc. Printed electrical conductor. 2,641,675, June 9.

Hannahs, Wilson H., Westbury, N. Y., assignor to Sylvania Electric Products Inc. Flux for hard soldering of tungsten. 2,658,013, Nov. 3.

Hannant, Theodore N., Cedar Grove, assignor to Specialties Development Corporation, Belleville, N. J. Plural selective position cam actuator for valves. 2,630,018, Mar. 3.

Hannay, Clifford B., & Son, Inc., assignee: *See*—
Hannay, Dwight C.

Hannay, Dwight C., assignor to Clifford B. Hannay & Son, Inc., Westerlo, N. Y. Hose reel frame. 2,644,652, July 7.

Hanner, George E., Mansfield, Ohio, assignor to Dominion Electric Corporation. Handle mechanism. 2,638,047, May 12.

Hanner, John B.: *See*—
Biddinger, Guy R., and Hanner.

Hanney, Angus F., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Liquid level control. 2,660,193, Nov. 24.

Hänni, Rodolf C., *See*—
Haenny, Rodolphe C.

Hannibal, Lester S., Concord, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for dissolving solutes in liquids. 2,649,203, Aug. 18.

Hanno, Tore V., Stora Essingen, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal separation of yeast cells from beer. 2,631,777, Mar. 17.

Hannum, Charles M., Birmingham, assignor, by mesne assignments, to Kopti-Kat Company, Detroit, Mich. Apparatus for cutting materials. 2,651,889, Sept. 15.

Hanover Bank, The, corporate executor: *See*—
McLaren, Peter J.

Hanovia Chemical and Manufacturing Company, assignee: *See*—
Anderson, William T., Jr.
Germer, Edmund.
Postell, James F.

Hanrahan, Giovanna L., Brooklyn, N. Y. Youth-chin massager. 2,649,855, Aug. 25.

Hanryon, Maurice P., Compiegne, France. Contact delivery device for perfume. 2,663,891, Dec. 29.

Hans, Edmund E., assignee: *See*—
Wuerfel, Donald F.

Hans, Edmund E., Detroit, Mich. Air freshening syatem. 2,640,409, June 2.

Hans, Edmund E., Detroit, Mich. Air inlet housing. 2,640,411, June 2.

Hansatik, Frederick, Island Park, N. Y. Roll separator. 2,645,189, July 14.

Hansburg, George B., Walker Valley, N. Y. Bathtub. 2,658,204, Nov. 10.

Hansche, George E., Albuquerque, N. Mex., assignor to the United States of America as represented by the Secretary of the Navy. Motor dropper. 2,655,105, Oct. 13.

Hanscom, Harris F., Barrington, assignor to Ajax Pickers, Inc., Narragansett, R. I. Dry picker for poultry. 2,638,623, May 19.

Hanse, William C., Philadelphia, Pa. Fishing reel. 2,652,211, Sept. 15.

Hansell, Clarence W., Port Jefferson, N. Y., and D. S. Bond, Princeton, N. J., assignors to Radio Corporation of America. Airborne transoceanic radio relay system. 2,627,021, Jan. 27.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse multiplex receiver. 2,632,162, Mar. 17.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse type multiplex communication system. 2,640,921, June 2.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron and circuit therefor. 2,661,426, Dec. 1.

Hansen, Albert, Jr., Lynn, Mass., assignor to General Electric Company. Potentiometric measuring system and apparatus. 2,645,748, July 14.

Hansen, Betsy R., executrix: *See*—
Hansen, William W.

Hansen, Carl, Calamus, Iowa. Bale loader. 2,643,604, June 30.

Hansen, Carl W., and R. B. Gustafson, Milwaukee, Wis., assignors to General Electric Company. Voltage measurement. 2,629,832, Feb. 24.

Hansen, Cecil F., assignor to Craft-Belt Company, Hastings, Mich. Multiplatform stepladder. 2,652,967, Sept. 22.

Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Fan type elevator for chopped material. 2,630,351, Mar. 3.

Hansen, Charles W., assignor to J. I. Case Company, Rachine, Wis. Field forage harvester. 2,630,664, Mar. 10.

Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Field or row crop forage harvester. 2,658,319, Nov. 10.

Hansen, Charles W., assignor to J. I. Case Company, Racine, Wis. Field forage harvester. 2,661,585, Dec. 8.

Hansen, David D.: *See*—
Berger, Charles V., and Hansen.

Hansen, Edward F., Stanton, assignor to The Baker Castor Oil Company, Jersey City, N. J. Hulling machine having rubber hulling surfaces of different hardness. 2,662,570, Dec. 15.

Hansen, Francis F., Pittsburgh, Pa. Milk powder and its preparation. 2,663,643, Dec. 22.

Hansen, Francis F., Pittsburgh, Pa. Preparation of milk powder. 2,663,644, Dec. 22.

Hansen, Fred A., Fond du Lac, Wis. Milk cooler. 2,626,784, Jan. 27.

Hansen, Fred T., Green Bay, Wis. Brick stack handling fork. 2,636,768, Apr. 28.

Hansen, George, assignor to Crane Co., Chicago, Ill. Valve. 2,644,664, July 7.

Hansen, George E.: *See*—
Fennema, Richard, and Hansen.
Hjullan, Julius A., Cotterman, and Hansen.

Hansen, George E., assignor to Crane Co., Chicago, Ill. Frostproof hydrant. 2,635,621, Apr. 21.

Hansen, George E., assignor to Crane Co., Chicago, Ill. Valve stem vacuum seal. 2,635,903, Apr. 21.

Hansen, George E., assignor to Crane Co., Chicago, Ill. Self-cleaning shower head. 2,660,473, Nov. 24.

Hansen, George E., assignor to Crane Co., Chicago, Ill. Backflow preventer for water hydrants. 2,661,759, Dec. 8.

Hansen, Gerhard, Heidenheim, assignor to Zeiss-Opton Optische Werke Oberkochen G. m. b. H., Oberkochen, Wurttemberg, Germany. Refractometer with plurality of scales. 2,633,053, Mar. 31.

Hansen, Gerhard, Heidenheim on the Brez, assignor to Zeiss-Opton Optische Werke Oberkochen G. m. b. H., Oberkochen, Wurttemberg, Germany. Wave length indicator in spectral apparatus. 2,664,024, Dec. 29.

Hansen, Hans E., New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving stairway. 2,649,181, Aug. 18.

Hansen, Hans E., Staten Island, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for cleaning drip pans of moving stairways. 2,634,850, Apr. 14.

Hansen, Harding H., Linn Grove, Iowa. Overload cable release. 2,643,134, June 23.

Hansen, Harold V., Winnebago, Ill., and J. T. Murphy, Haywood County, Tenn., assignors to Harry Ferguson, Inc., Detroit, Mich. Tractor borne planter attachment. 2,656,801, Oct. 27.

Hansen, Harry E., coexecutor: *See*—
McLaren, Peter J.

Hansen, James M., Park Ridge, Ill. Poultry nest. 2,633,826, Apr. 7.

Hansen, Karl J.: *See*—
Calhoun, James C., Davidson, and Hansen.

Hansen, Kenneth H., White Plains, N. Y., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Switching type conveyer. 2,649,953, Aug. 25.

Hansen, Kurt H. E., Leverkusen-Bayerwerk, O. L. Drapal, K. W. Hintzmann, and R. Wegler, Leverkusen-Schlebusch, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Benzyl hydroxy diphenyl polyglycol ethers. 2,630,457, Mar. 3.

Hansen, Louis H., San Mateo, Calif. Pencil attached adjustable eraser. 2,658,480, Nov. 10.

Hansen Manufacturing Company, assignee: *See*—
Manson, Harry G.

Hansen Manufacturing Company, Inc., assignee: *See*—
Hansen, William L.

Hansen, Maurice, San Mateo, assignor to S. I. Keene, San Francisco, Calif. Revolver thumb rest safety. 2,654,174, Oct. 6.

Hansen, Maurice, San Mateo, assignor to S. I. Keene, San Francisco, Calif. Trigger mechanism. 2,654,175, Oct. 6.

Hansen, Melvin O., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Article handling apparatus. 2,660,288, Nov. 24.

Hansen, Otto A., Venice, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Stiffened honeycomb core. 2,654,686, Oct. 6.

Hansen, Roy R., Keansburg, assignor of fifty per cent to W. H. Sutphin, Matawan, N. J. Life raft. 2,629,115, Feb. 24.

Hansen, Royal E.: *See*—
Clark, Martha M., and Hansen.

Hansen, Siegfried, Los Angeles, Calif. Stepping motor. 2,627,040, Jan. 27.

Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. High-speed telegraph transmitter. 2,643,290, June 23.

Hansen, William L., assignor to Hansen Manufacturing Company, Inc., Princeton, Ind. Sound annunciator. 2,624,226, Jan. 6.

Hansen, William W.: *See*—
Varian, Russell H., Hansen, and Woodyard.
Woodyard, John R., and Hansen.

Hansen, William W., deceased, Stanford University, Calif., by R. R. Hansen, executrix, Stanford University, Calif.; O. D. Ross, executrix of said W. W. Hansen, deceased, assignor to The Sperry Corporation. High-frequency energy dividing apparatus. 2,643,296, June 23.

Hanser, William F., assignor to National Oats Company, Cedar Rapids, Iowa. Tear-cord applying machine and method. 2,661,582, Dec. 8.

Hansford, Rowland C.: *See*—
Plank, Charles J., and Hansford.

Hansgirg, Fritz J., Black Mountain, N. C., assignor to American Electro Metal Corporation, Yonkers, N. Y. Processing metal powders. 2,638,424, May 12.

Hansgirg, Fritz J., deceased, Yonkers, N. Y., by J. M. Hansgirg, administratrix, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Apparatus for continuous recovery of magnesium. 2,634,969, Apr. 14.

Hansgirg, Josefine M., administratrix: *See*—
Hansgirg, Fritz J.

Hanshaw, Herschel H., Pharr, Tex. Belt display rack. 2,634,866, Apr. 14.

Hansley, Harry L., Miami, Fla. Suspensory support for men's garments. 2,624,336, Jan. 6.

Hansley, Virgil L., Niagara Falls, and W. J. P. Hilts, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkali metal dispersions. 2,635,041, Apr. 14.

Hanslick, William O., Overland, assignor to Ashby Manufacturing Company, St. Louis, Mo. Fastening device. 2,629,432, Feb. 24.

Hanson, Alden W., Midland, and W. E. Donaldson, Midland County, assignors to The Dow Chemical Company, Midland, Mich. Machine for milling plastics. 2,629,129, Feb. 24.

Hanson, Andrew E., Linden, Calif. Electric drill holder and work clamp. 2,625,063, Jan. 13.

Hanson, Edward C., assignor to Protection Equipment Co., Inc., Minneapolis, Minn. Pass tray equipment. 2,630,084, Mar. 3.

Hanson, Erick L., and J. Barna, Red Bank, N. J., assignors to the United States of America as represented by the Secretary of the Army. Multiple position adjusting device. 2,635,578, Apr. 21.

Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Collapsible coiling head for electrically contacting insulated cable. 2,624,771, Jan. 6.

Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Take-up apparatus. 2,626,111, Jan. 20.

Hanson, Frederick R., and T. E. Eble, assignors to The Upjohn Company, Kalamazoo, Mich. Fumagillin and preparation. 2,652,356, Sept. 15.

Hanson, Helen L., and H. Lineweaver, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilized creamed food products. 2,653,876, Sept. 29.

Hanson, Henry L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic terrain clearance apparatus. 2,630,283, Mar. 3.

Hanson, Henry L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control apparatus. 2,662,591, Dec. 15.

Hanson, John, Three Hills, Alberta, Canada. Valve position indicator. 2,646,767, July 28.

Hanson, John M., Sr., Alsea, Oreg. Depth gauge for chain saws. 2,645,859, July 21.

Hanson, Melvin A., assignee: *See*—
Lasky, Wayne E., and Seniff.

Hanson, Norman D., Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Filter medium and making the same. 2,648,617, Aug. 11.

Hanson, Ralph D., Tulsa, Okla. Hypodermic needle. 2,634,726, Apr. 14.

Hanson, Thomas A., Woodstock, Ontario, Canada. Automatic pressure changer for gas regulators. 2,661,577, Dec. 8.

Hanson-Van Winkle-Munning Company, assignee: *See*—
Case, Bernard C.
Curtis, Thomas H.
Todd, Guerin.

Hanson, Walter J.: *See*—
Rouan, Francis J., Hanson, and Russell.

Hanson, William J., Long Beach, and R. W. Nex, Bellflower, Calif., assignors to The Dow Chemical Company, Midland, Mich. Corrosion inhibition. 2,630,380, Mar. 3.

Hansen, William W., deceased, by O. D. Ross, executrix, Palo Alto, Calif., and M. H. Johnson, Alexandria, Va., assignors to The Sperry Corporation. Wave guide impedance transformer. 2,656,515, Oct. 20.

Hanssen, Jozef H., Heerlen, Netherlands. Vehicle comprising an auto-airplane combination. 2,624,530, Jan. 6.

Hanssen, Petter M., Frewsburg, assignor to Ellison Bronze Company, Inc., Jamestown, N. Y. Balanced door. 2,637,877, May 12.

Hansson, Elis H., Motala, Sweden. Conveying means. 2,635,555, Apr. 21.

Hansson, Erik O. H., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Kitchen machine. 2,634,993, Apr. 14.

Hansson, Karl J., Satrabrunn, assignor to N. Berggren, H. Fernstrom, and G. Ostlund, Vasteras, and S. Jansson, Malung, Sweden. Christmas tree holder. 2,628,049, Feb. 10.

Hantack, Melvin: *See*—
Acklin, Gordon R., Hantack, and Perrey.

Hanus, Edward J.: *See*—
Macek, Thomas J., and Hanus.

Hanway, Paul S., Ridgefield Park, N. J. Electronic machine for therapeutic purposes. 2,635,606, Apr. 21.

Hanze, Arthur R.: *See*—
Greiner, John W., Hanze, Kline, Richmond, and Bedell.
Marlatt, Paul E., Hanze, McIntosh, and Levin.
Weisblat, David I., and Hanze.
Weisblat, David I., Hanze, Magerlein, Myers, and Rolfson.
Weisblat, David I., Magerlein, Myers, Rolfson, and Hanze.

Hanze, Arthur R., assignor to The Upjohn Company, Kalamazoo, Mich. Purification of synthetic folic acid. 2,662,081, Dec. 8.

Hanzlik, Jay J.: *See*—
Krampe, Paul T., and Hanzlik.

Hapman, Hannah J., assignee: *See*—
Hapman, Henry W.

Hapman, Henry W., assignor of forty per cent to H. J. Hapman, Detroit, Mich. Granulated material feeding apparatus. 2,624,474, Jan. 6.

Hapman, Henry W., assignor, by mesne assignments, of 40 percent to H. J. Hapman, Detroit, Mich. Bucket conveyer. 2,638,205, May 12.

Hapman, Henry W., assignor of forty per cent to H. J. Hapman, Kalamazoo, Mich. Sediment removal apparatus. 2,660,310, Nov. 24.

Happe, Melvin J., assignor to The New Holland Machine Division of the Sperry Corporation, New Holland, Pa. Side delivery rake spring tooth. 2,657,521, Nov. 3.

Happel, William E., assignor to Landis Tool Company, Waynesboro, Pa. Work loading device for machine tools. 2,624,985, Jan. 13.

Happey, Frank: *See*—
Bamford, Clement H., Hanby, and Happey.

Happey, Frank, Bingley, and R. L. Wormell, Coventry, assignors to Courtaulds Limited, London, England. Production of artificial protein threads, fibers, filaments, and the like. 2,649,357, Aug. 18.

Hara, James R., Honolulu, Hawaii. Nonhook nonslice grip finder for golf clubs. 2,645,484, July 14.

Harada, Henry H., Grand Blanc, assignor to General Motors Corporation, Detroit, Mich. Speed cup bias spring. 2,627,401, Feb. 3.

Harada, Henry H., Grand Blanc, assignor to General Motors Corporation, Detroit, Mich. Remote electrical drive unit. 2,652,471, Sept. 15.

Harada, Henry H., Grand Blanc, assignor to General Motors Corporation, Detroit, Mich. Quick reset odometer. 2,658,685, Nov. 10.

Haraden, George A., assignor to Helland Research Corporation, Denver, Colo. Reflector mounting structure. 2,638,534, May 12.

Harasty, Julius, Westfield, N. J. Quench block. 2,638,337, May 12.

Harazim, Stanley J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Support structure. 2,652,307, Sept. 15.

Harban, Arthur A., Lansing, Ill., and C. E. Johnson, Griffith, Ind., assignors to Standard Oil Company, Chicago, Ill. Alkenylation of furans. 2,641,600, June 9.

Harbaugh, Willis E., Bareville, Pa., assignor to Radio Corporation of America. Carburizing. 2,658,844, Nov. 10.

Harbaugh, Willis E., Bareville, and L. P. Garner, Lancaster, Pa., assignors to Radio Corporation of America. Introduction of active materials into evacuated envelopes. 2,640,945, June 2.

Harber, Blair F., Fort Erie, Ontario, Canada. Tubular chair construction. 2,638,970, May 19.

Harber Products Incorporated, assignee: *See*—
Moore, Alberta B., and Sloofman.

Harbert, George C., Ann Arbor, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Window-weatherstripping. 2,647,289, Aug. 4.

Harbert, Lloyd C., Los Angeles, and W. G. Corey, Altadena, assignors to Engineering Controls, Inc., Los Angeles, Calif. Engine cooling system utilizing waste heat. 2,649,082, Aug. 18.

Harbert, Otis D., Covina, Calif. Guide for electric handsaws. 2,625,184, Jan. 13.

Harbison, Alan L., Baden, Pa. Lubricator for car wheel flanges. 2,637,411, May 5.

Harbison, Dixon T., Fort Worth, Tex. Forming nonmetallic resilient packing rings. 2,635,331, Apr. 21.

Harbison, Dixon T., Fort Worth, Tex. Well pump. 2,658,457, Nov. 10.

Harbison, George C., Erie, Pa., assignor to General Electric Company. Refrigerator breaker strip assembly. 2,662,254, Dec. 15.

Harbison-Walker Refractories Company, assignee: *See*—
Lloyd, Thomas W., and Mason.

Harbison, William H., Altadena, Calif. Razor blade holder. 2,632,247, Mar. 24.

Harbord, Horace R.: *See*—
Croston, Edward L., and Harbord.

Harbour, Pheron M., Duncan, Okla. Rathole drilling apparatus. 2,629,586, Feb. 24.

Harcum, Herber W., assignee: *See*—
Beckett, Donald E., and W. N.

Harcum, J. Bates, assignee: *See*—
Beckett, Donald E., and W. N.

Hardaker, John T., Limited, assignee: *See*—
Ashworth, Joseph, and Firth.

Harden, Carl, Pasadena, assignor to Brown Citrus Machinery Corp., Whittier, Calif. Reamer. 2,643,693, June 30.

Harden, Carl, assignor to Brown Citrus Machinery Corporation, Whittier, Calif. Juice separator. 2,644,393, July 7.

Harden, Charles McL.: *See*—
Alexander, William G., and Harden.

Harden, J. L.: *See*—
Ebbs, William, and Harden.

Harden, Milton R., Stonewall, Miss., assignor to Erwin Mills, Inc., Durham, N. C. Auxiliary cloth winding means for looms. 2,644,490, July 7.

Hardenberg, Jan J. C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray device. 2,659,010, Nov. 10.

Harder, Clarence L.: *See*—
Wright, Henry H., and Harder.

Harder, Edwin L., Pittsburgh, Pa., R. I. Greenwood, Montrose, Calif., R. W. Moore and L. F. Stringer, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,626,376, Jan. 20.

Harder, Edwin L., and S. L. Bradley, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,629,853, Feb. 24.

Harder, George W., and W. D. Wuest, Louisville, Ky. Bumper clamp. 2,631,806, Mar. 17.

Harder, William F., Lincoln, Nebr. Cooler for alfalfa meal and the like. 2,629,310, Feb. 24.

Hardesty, Thomas M., Crockett, Calif. Fluid motor valve construction. 2,645,208, July 14.

Hardgrave, Walter H., Albuquerque, N. Mex. Weatherstrip. 2,663,056, Dec. 22.

Hardgrove, Ralph M.: *See*—
Bailey, Ervin G., and Hardgrove.

Hardgrove, Robert R.: *See*—
Lake, Ernest T., and Hardgrove.

Hardgrove, Robert R., and E. T. Lake, Livingston, Mont. Detachable telescope sight mount. 2,649,779, Aug. 25.

Hardie, Fred H., Danbury, R. C. Goodman, Bridgeport, and H. E. Van Valkenburg, assignors to Sperry Products, Inc., Danbury, Conn. Reflection absorbing ultrasonic wedge. 2,649,550, Aug. 18.

Hardie Manufacturing Company, The, assignee: *See*—
Frese, Clarence A.

Hardigg, James S., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,634,090, Apr. 7.

Harding, Clarke T., Hillside, M. W. Mayer, Summit, and R. O. Wright, Cranford, N. J., assignors to Standard Oil Development Company. Combination crude distillation and cracking process. 2,644,785, July 7.

Harding, Claude J., Plainview, Tex. Aligning device. 2,656,607, Oct. 27.

Harding, Elmer C., assignor to Spring Load Pipe Cutter Mfg. Corp., Seattle, Wash. Pipe cutter. 2,639,501, May 26.

Harding, George N., Aldershot, England, and O. F. W. Thal, Bielefeld, Germany, assignors to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Movements of electrical measuring instruments and the like. 2,654,069, Sept. 29.

Harding, Harry J.: *See*—
Harding, John H.

Harding, John H., generally known as Harry J. Harding, Philadelphia, assignor to C. H. Masland & Sons, Carlisle, Pa. Jacquard mechanism and process. 2,649,862, Aug. 25.

Harding, William R.: *See*—
Opel, Lawrence G., and Harding.

Harding, William R., East Aurora, and L. G. Opel, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plural-stage rotary amplifier. 2,663,841, Dec. 22.

Hardinge Brothers, Inc., assignee: *See*—
Strom, David W.

Hardman, Faythe K., assignee: *See*—
McLeod, Lena E.

Hardman, H. V., Company, Inc., assignee: *See*—
Hardman, Kenneth V., and Lang.

Hardman, James A., assignor to Utah Scientific Research Foundation, Logan, Utah. Soil sampling machine. 2,643,858, June 30.

Hardman, Kenneth V., Upper Montclair, and A. J. Lang, Cedar Grove, N. J., assignors to H. V. Hardman Company, Inc. Bristle setting. 2,643,157, June 23.

Hardman, Kenneth V., Upper Montclair, and A. J. Lang, Cedar Grove, N. J., assignors to H. V. Hardman Company, Inc. Brush and making. 2,648,861, Aug. 18.

Hardman, Kenneth V., Upper Montclair, and A. J. Lang, Cedar Grove, N. J., assignors to H. V. Hardman Company, Inc. Punctureproof tube and sealing material therefor. 2,657,729, Nov. 3.

Hardman, Rena B., Los Angeles, Calif. One-piece foldable overshoe. 2,652,637, Sept. 22.

Hardman Tool & Engineering Co., assignee: *See*—
Long, Carl E.

Hardsocg Pneumatic Tool Company, assignee: *See*—
Brown, Horace A.

Hardway, Edward V., Jr., Richmond, Va. Electrokinetic device. 2,644,900, July 7.

Hardway, Edward V., Jr., Richmond, Va. Electrokinetic angular accelerometer. 2,644,901, July 7.

Hardway, Edward V., Jr., Richmond, Va. Electrokinetic device and electrode arrangement therefor. 2,644,902, July 7.

Hardway, Edward V., Jr., Richmond, Va. Electrokinetic measuring instrument. 2,661,430, Dec. 1.

Hardwick, Barclay R., Gays, Ill., assignor to General Railway Signal Company, Rochester, N. Y. Wall hanger for electrical devices. 2,628,050, Feb. 10.

Hardwick, Michael, Independence, Mo. Slide-on welt drapery hanger. 2,638,977, May 19.

Hardwick, Robert F., Euclid, Ohio, assignor to General Electric Company. Basing cement. 2,633,457, Mar. 31.

Hardwick Stove Company, Incorporated, assignee: *See*—
Corn, James F., Jr.
Hurt, Robert B.

Hardwicke-Etter Company, assignee: *See*—
Streun, John A.

Hardy, Clarence M., Effingham, assignor to Borg-Warner Corporation, Chicago, Ill. Safety switch for ranges. 2,641,678, June 9.

Hardy, Edgar E., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Dielectric containing halogenated aromatic hydrocarbon and mono ortho tolyl biguanide as corrosion inhibitor. 2,627,504, Feb. 3.

Hardy, Elizabeth M.: *See*—
Hardy, William B. and E. M.
Scalera, Mario, and Hardy.

Hardy, Elizabeth M. and W. B., Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of soluble vat dyes of the acridone series. 2,649,453, Aug. 18.

Hardy, Gordon W., Chula Vista, Calif. Chaff separator and furnace. 2,639,780, May 26.

Hardy, Henry G., trustee, assignee: *See*—
Tocci-Guilbert, Berne.

Hardy, John C., Childersburg, Ala. Mercury switch. 2,629,797, Feb. 24.

Hardy, Lance, South Gate, assignor to Western Precipitation Corporation, Los Angeles, Calif. Construction of water-flushed electrode for electrical precipitators. 2,631,685, Mar. 17.

Hardy, Paul E.: *See*—
Young, David W., and Hardy.

Hardy, Peter S., Bridgeport, Conn. Molder's sand treating and conveying apparatus. 2,646,602, July 28.

Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Panoramic receiver. 2,645,711, July 14.

Hardy, Robert L.: *See*—
Taff, Wilfred O., and Hardy.

Hardy, Thomas H., Woburn, and A. F. Richards, Dorchester, assignors to The Standard Rivet Company, South Boston, Mass. Jewel setting machine. 2,631,281, Mar. 17.

Hardy, Wilbur G., assignee: *See*—
Burkholder, Melvin S.

Hardy, Wilbur G., Wapakoneta, and M. S. Burkholder, Beaverdam, Ohio. Power steered garden tractor. 2,626,671, Jan. 27.

Hardy, William B.: *See*—
Hardy, Elizabeth M. and W. B.
Scalera, Mario, Hardy, and Leavitt.

Hardy, William B., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Trialkyl hydroxylamine - sulfur trioxide compounds. 2,649,484, Aug. 18.

Hardy, William B. and E. M., Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing sulfuric acid half esters of leuco anthraquinones in mildly alkaline aqueous medium. 2,647,124, July 28.

Hardy, William B. and E. M., Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Soluble vat dyes of the acridone series. 2,649,452, Aug. 18.

Hardy, William B., Bound Brook, and H. Z. Lecher, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Sulfur trioxide compounds of pentaalkylguanidines. 2,655,528, Oct. 13.

Hardy, William B., Bound Brook, and R. B. Fortenbaugh, Gladstone, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of leuco-indanthrone sulfuric esters. 2,659,727, Nov. 17.

Hare, Donald G. C., Clemson, S. C., assignor to Deering Milliken Research Trust, New York, N. Y. Stretch breaking apparatus and method. 2,638,634, May 19.

Hare, Donald G. C., Long Island, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Sonic tiltometer. 2,629,082, Feb. 17.

Hare, Glenn: *See*—
Hart, Barton R., and Hare.

Hare, Milton D., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Forming glass seals between tubular members. 2,629,971, Mar. 3.

Hare, Milton D., Chicago, Ill., and V. Leonard, Arlington, Mass., assignors to United States of America as represented by the Secretary of War. Tunable squirrel cage magnetron. 2,659,033, Nov. 10.

Hare, Terence G., assignor to Miller Manufacturing Co., Detroit, Mich. Luggage carrier for automobile tops. 2,643,040, June 23.

Haresnape, John N.: *See*—
Porter, Frederick W. B., and Haresnape.

Haresnape, John N., and S. Hesling, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Production of a gaseous petroleum fraction rich in hydrogen. 2,645,562, July 14.

Haresnape, John N., and F. W. B. Porter, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic cracking of petroleum hydrocarbons with a clay treated catalyst. 2,647,075, July 28.

Haresnape, John N., and F. W. B. Porter, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic cracking of petroleum hydrocarbons with a clay treated catalyst. 2,647,076, July 28.

Haresnape, John N., and E. C. Housam, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic cracking of dewaxed petroleum hydrocarbons. 2,650,189, Aug. 25.

Harford, Charles G., Quincy, assignor to Arthur D. Little, Inc., Cambridge, Mass. Molded articles comprising a furfuryl alcohol resin and a mixture of fillers of different mesh sizes. 2,653,920, Sept. 29.

Harford, Charles G., Wollaston, E. L. Kreidl, Boston, and J. L. Utter, Stoughton, assignors to Arthur D. Little, Inc., Cambridge, Mass. Making lightweight aggregate. 2,654,136, Oct. 6.

Harford, George P., Quincy, Mass., assignor to American Telephone and Telegraph Company. Two-way polar telegraph repeater. 2,630,496, Mar. 3.

Hargis, William H., Jr., Salinas, Calif. Ski binding. 2,643,888, June 30.

Hargrave, Arthur P., assignor to Tot-Lines, Inc., Kirkland, Wash. Diaper pants. 2,627,859, Feb. 10.

Hargreaves, Thomas F. S.: *See*—
Wright, Esmond P. G., Gould, Hargreaves, and Reynolds.

Hargreaves, Thomas F. S., and W. F. Gould, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Automatic signal attenuator. 2,651,684, Sept. 8.

Hargus, William D., Brawley, Calif. Grading marker. 2,660 822, Dec. 1.

Harjeroy Engineered Petroleum Products Sales Co., assignee: *See*—
Cluphf, Harlan E.

Harkenrider, Robert J., assignor to G. D. Miller, Winona, Minn. Journal lubricator. 2,640,740, June 2.

Harkenrider, Robert J., assignor to G. D. Miller, Winona, Minn. Journal lubricator. 2,640,741, June 2.

Harkenrider, Robert J., assignor to G. D. Miller, Winona, Minn. Traction motor lubricator. 2,640,742, June 2.

Harkenrider, Robert J., assignor to G. D. Miller, Winona, Minn. Traction motor lubricator. 2,640,743, June 2.

Harkenrider, Robert J., assignor to G. D. Miller, Winona, Minn. Traction motor lubricator. 2,640,744, June 2.

Harker, Charles B., Milwaukee, Wis., assignor to Clybourn Machine Corporation, Chicago, Ill. Machine for making fibrous boxes. 2,635,512, Apr. 21.

Harker, David, Brooklyn, N. Y., assignor to General Electric Company. System and apparatus for the formation of optical images. 2,653,249, Sept. 22.

Harker, George A., G. J. Knetl, and R. Nelson, assignors to Binks Manufacturing Company, Chicago, Ill. Waste coating material localizer. 2,650,080, Aug. 25.

Harkins, James J., Wheeling, W. Va. Rest for cigarettes, cigars, and pipes. 2,650,595, Sept. 1.

Harkness, Joseph R., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electric ignition system for internal-combustion engines. 2,649,488, Aug. 18.

Harks, Walter M., Algona, Iowa, assignor to Bowser, Inc., Fort Wayne, Ind. Combined filter and hose reel. 2,638,229, May 12.

Harks, Walter M., assignor to Bowser, Inc., Fort Wayne, Ind. Hose extending and latching mechanism. 2,660,337, Nov. 24.

Harlam, Louis G., North Hollywood, Calif. Copyholder with compartment for copied sheets. 2,633,101, Mar. 31.

Harland Engineering Company Limited, assignee: *See*—
Worthing, Nicolas.

Harland, Philip W., Quakertown, and L. D. Johnson, Sellersville, Pa., assignors to American Machine and Metals, Inc., New York, N. Y. Air release for water tanks. 2,658,518, Nov. 10.

Harlequin Corporation, assignee: *See*—
Singer, Martin B.

Harless, Charles A., Riverside, Conn., assignor to R. Hoe & Co. Inc., New York, N. Y. Folding cylinder blade adjusting mechanism. 2,624,572, Jan. 6.

Harless, Charles A., Riverside, Conn., assignor to R. Hoe & Co., Inc., New York, N. Y. Rotary intaglio ink fountain. 2,631,532, Mar. 17.

Harless, Charles A., Riverside, Conn., assignor to R. Hoe & Co., Inc., New York, N. Y. Rotary intaglio doctor mechanism. 2,644,394, July 7.

Harless, Charles L., assignor to York Nut Sheller Co., Inc., San Angelo, Tex. Nut sheller. 2,651,342, Sept. 8.

Harley, Earle L., Brooklyn, N. Y. Strip material and means for applying same to rollers. 2,630,657, Mar. 10.

Harley, Frank B., assignor to Aerolex Limited, Camberley, England. Quick-release fastener. 2,635,317, Apr. 21.

Harley, Joseph J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable lashing machine. 2,663,544, Dec. 22.

Harlin Brothers, assignee: *See*—
Harlin, J. D.

Harlin, J. D., assignor to Harlin Brothers, Indianapolis, Ind. Electrical receptacle, plug, and switch. 2,664,475, Dec. 29.

Harloc Products Corporation, assignee: *See*—
Lickteig, Albert F., Jr.

Harlow, Earl V., Beaver, Pa., assignor to Koppers Company, Inc. Diffusion process. 2,626,679, Jan. 27.

Harman, Denham: *See*—
Vaughan, William E., and Harman.

Harman, Denham, Orinda, assignor to Shell Development Company, Emeryville, Calif. Esters of phosphonoformic acids and polyhydric alcohols. 2,629,731, Feb. 24.

Harman, Denham, and A. R. Stiles, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Tetraesters of thiodiphosphonic acid. 2,630,450, Mar. 3.

Harman, Denham, and A. R. Stiles, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Olefinic tetraesters of bis(phosphonoalkyl) ethers and their polymers. 2,632,756, Mar. 24.

Harman, Denham, Berkeley, and H. J. Sommer, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Acylated complex oxygen-containing polyamines. 2,640,822, June 2.

Harman, Denham, Berkeley, and D. L. E. Winkler, Orinda, assignors to Shell Development Company, San Francisco, Calif. Esters of sulfur-containing polycarboxylic acids. 2,640,848, June 2.

Harman, Denham, Orinda, and A. R. Stiles, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Allyl-type phosphinates and polymers of the same. 2,659,714, Nov. 17.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Cyanoalkyl substituted amine sulfides. 2,649,470, Aug. 18.

Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Guanidine salts of pentachlorophenol. 2,659,755, Nov. 17.

Harman, Slingsby D., Galesburg, Ill. Shower bath spray head thermometer. 2,626,524, Jan. 27.

Harman, Slingsby D., Galesburg, Ill. Automatic phonograph. 2,660,437, Nov. 24.

Harmes, Oren B.: *See*—
Livingston, Francis G., and Harmes.

Harmes, Oren B., assignor to Livingston Tool Co., Algona, Iowa. Predetermined torque release wrench. 2,662,435, Dec. 15.

Harmes, Oren B., assignor to Livingston Tool Co., Algona, Iowa. Predetermined torque release socket wrench. 2,662,436, Dec. 15.

Harmon, Cline H., assignor to Waterloo Foundry Company, Waterloo, Iowa. Closure for exhaust pipe for gas engines. 2,637,264, May 5.

Harmon, Elise F., and P. J. Franklin, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Army. Plastic matrix for printing resistors. 2,656,570, Oct. 27.

Harmon, James J., Jr., Clayton, assignor to Ludlow-Saylor Wire Co., St. Louis, Mo. Wire cloth tube forming machine. 2,645,702, July 14.

Harmon, Paul V., assignor to Precision Parts Corporation, Nashville, Tenn. Electric motor-driven unit. 2,648,790, Aug. 11.

Harmon, Sydney E., Evanston, Ill. Telephone shoulder rest. 2,647,171, July 28.

Harmon, William C., Cleveland, and I. G. Orellana, Mayfield Heights, assignors to Republic Steel Corporation, Cleveland, Ohio. Seam depth indicator. 2,660,704, Nov. 24.

Harms, Edward R., Park Ridge, N. J., assignor to American Cyanamid Company, New York, N. Y. Crystallization of chlortetracycline. 2,658,077, Nov. 3.

Harms, Gilbert A., Coffee Creek, Mont. Can-opening and pouring spout-forming device. 2,660,781, Dec. 1.

Harms, Herman L., South St. Paul, Minn. Seat support. 2,663,355, Dec. 22.

Harms, William P., Bellevue, Wash. Double adjustable rifle telescope mount. 2,663,083, Dec. 22.

Harned, Ben K., and R. W. Cunningham, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Aureomycin for injection. 2,644,782, July 7.

Harned, Roger L., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of prodigiosin. 2,658,024, Nov. 3.

Harney, Bernard C., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Magazine and delivery mechanism for bar feed machines. 2,640,511, June 2.

Harney, William C.: *See*—
Van Gilder, Carll F., and Harney.

Harnischfeger Corporation, assignee: *See*—
Perkins, William J.

Harper, Carolyn L., assignee: *See*—
Lamar, Charles C.

Harper, Carolyn L., Trust, The: *See*—
Lamar, Charles C.

Harper, Carolyn L., trustee, assignee: *See*—
Lamar, Charles C.

Harper, Charles S., and F. N. Moerk, Philadelphia, Pa. Apparatus for handling sludge. 2,644,790, July 7.

Harper, Frank A., Paulding, Ohio, assignor to Grizzly Manufacturing Company. Platen lubricating means. 2,624,160, Jan. 6.

Harper, James I., Media, assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,644,018, June 30.

Harper, James K., assignor to A. B. Chance Company, Centralia, Mo. Pole key anchor. 2,640,571, June 2.

Harper, John F., Portland, Conn. Polishing method and material. 2,663,980, Dec. 29.

Harper, Lyndus E., Chicago, Ill., assignor to Omega Machine Company, Providence, R. I. Proportioning device. 2,626,728, Jan. 27.

Harper, Lyndus E., Chicago, Ill., assignor to Omega Machine Company, Providence, R. I. Proportioning device. 2,626,787, Jan. 27.

Harper, Lyndus E., Chicago, Ill., assignor to Omega Machine Company, Providence, R. I. Belt type gravimetric feeder. 2,637,434, May 5.

Harper, Lyndus E., Skokie, Ill., assignor to Omega Machine Company, Providence, R. I. Controlling apparatus. 2,662,665, Dec. 15.

Harper, Philip S., assignee: *See*—
Lamar, Charles C.

Harper, Philip S., Trust, assignee: *See*—
Lamar, Charles C.

Harper, Philip S., Trust, The, assignee: *See*—
Lamar, Charles C.

Harper, Philip S., trustee, assignee: *See*—
Lamar, Charles C.

Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Pipe smoker's accessory. 2,625,939, Jan. 20.

Harper, Robert W., Fort Wayne, Ind. Gauge for liquid containers. 2,653,478, Sept. 29.

Harper, Solomon, assignor of ten per cent to H. Watkiss, New York, N. Y. Thermostatic controlled hair curlers, combs, and irons. 2,648,757, Aug. 11.

Harper, Thomas C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Temporary protection of unvulcanized rubbery surfaces. 2,653,885, Sept. 29.

Harper, Wesley A., and E. S. Minton, Bellevue, Ohio, assignors, by mesne assignments, to Cockshutt Farm Equipment Incorporated. Cage for side delivery rakes. 2,643,505, June 30.

Harper-Wyman Company, assignee: *See*—
Harper, Philip S.
Huff, Norman M.
Lamar, Charles C.
Peterson, Vincent C., and Nadasdy.

Harpman, Webster B., assignee: *See*—
Force, Earl.

Harpster, Glen, Los Angeles, Calif. Multiple outlet connector. 2,641,745, June 9.

Harraway, Leonard G., Nottingham, England. Container for yarn packages. 2,655,019, Oct. 13.

Harrell, C. Lydon, Jr., assignee: *See*—
Wright, Ira E.

Harrell, Martha G., assignee: *See*—
Wright, Ira E.

Harrell, Pearl M., Santa Ana, Calif. Shoulder support for garment hangers. 2,656,955, Oct. 27.

Harrell Sales Co., assignee: *See*—
Harrell, Warren B., and Trester.

Harrell, Warren B., Long Beach, and A. H. Trester, assignors to Harrell Sales Co., Huntington Beach, Calif. Well bailer. 2,624,414, Jan. 6.

Harrer, Paul H., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. High lift side delivery rake. 2,641,098, June 9.

Harrer, Paul H., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Soft center bale attachment. 2,656,786, Oct. 27.

Harrer, Walter E., assignee: *See*—
Packard, Edward F.

Harrier, Theodore M., Oakland, Calif., assignor to Fruit Machinery Company. Fruit splitter and pitter. 2,629,417, Feb. 24.

Harriman, Thomas J., Williamsville, and F. P. Bassett, Lockport, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Aircraft undercarriage. 2,641,423, June 9.

Harrington, Bertie S.: *See*—
Allbright, Norman J., Illsley, and Harrington.

Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Automatic carton closing machine. 2,627,152, Feb. 3.

Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Filling apparatus. 2,648,477, Aug. 11.

Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Valve and suction cutoff mechanism. 2,649,996, Aug. 25.

Harrington, Dean B.: *See*—
McElligot, John E., and Harrington.

Harrington, Donald F.: *See*—
Wheaton, Robert M., and Harrington.

Harrington, Donald K., McDonough, N. Y. Sliding jaw vise, including a presettable, lever-actuated, jaw locking means. 2,651,959, Sept. 15.

Harrington, Edward R., Long Beach, Calif. Liquid sampling apparatus. 2,654,250, Oct. 6.

Harrington, Edward R., Long Beach, Calif. Fluid sampling device. 2,654,251, Oct. 6.

Harrington, Ethel G., North Braddock, Pa. Pin curler for cold waving. 2,625,941, Jan. 20.

Harrington, Frank A.: *See*—
Lovejoy, Rex E., Smith, Harrington, and Harter.

Harrington, John, Rapid City, S. Dak. Portable hay-stacker. 2,648,945, Aug. 18.

Harrington, John A.: *See*—
Marshall, Donald E., Harrington, and Crane.

Harrington, Julian P., Lewiston, and J. D. Mitchell, Woodville, assignors to Harrington Manufacturing Co., Lewiston, N. C. Clutch for baling machines for farm products. 2,636,582, Apr. 28.

Harrington, Lester B., Pentwater, Mich. Rotary pump. 2,651,999, Sept. 15.

Harrington Manufacturing Co., assignee: *See*—
Harrington, Julian P., and Mitchell

Harrington & Richardson Arms Company, assignee: *See*—
Muino, Lester F.
Rowe, Charles E.

Harrington, Valentine F., Newton, assignor to B. B. Chemical Co., Boston, Mass. Temporarily covering articles. 2,651,119, Sept. 8.

Harrington, Victor B., New York, N. Y. Cover for ends of books. 2,657,072, Oct. 27.

Harrington, Warren A.: *See*—
Bristol, John E., Harrington, and Turnbull.

Harris, Albert S., assignor to Farnsworth Research Corporation, Fort Wayne, Ind. Frequency oscillation modulator. 2,654,071, Sept. 29.

Harris, Amanda L., assignor to P. D. Hoel, Detroit, Mich. Drain trough cover. 2,636,458, Apr. 28.

Harris, Arvel R., Evansville, Ind., assignor to International Harvester Company. Air conditioner evacuation damper. 2,629,235, Feb. 24.

Harris, Asa J., Balboa, C. Z. Mechanical device for operating boat davits. 2,640,206, June 2.

Harris, Berl M., Talbotton, Ga. Self-selvager for looms. 2,646,084, July 21.

Harris, Carl C., Orange, and B. E. Newton, Athol, assignors to The Slencil Co., Orange, Mass. Mechanical lead pencil. 2,633,827, Apr. 7.

Harris, Charles D., and J. A. Galazzi, Evansville, Ind., assignors to Initernational Harvester Company. Dehumidifying air-conditioning apparatus. 2,630,691, Mar. 10.

Harris, Charles D., and J. R. Prosek, Evansville, Ind., assignors to International Harvester Company. Refrigerating apparatus having means for preventing condensation of moisture on the door. 2,651,187, Sept. 8.

Harris, Charles F., Chicago, Ill. Repeat cycle control mechanism. 2,637,431, May 5.

Harris, Clyde W., Socorro, N. Mex. Solar-heating structure. 2,625,930, Jan. 20.

Harris, Columbus W.: *See*—
Egly, William D., and Harris.

Harris, Donald B., assignor to Collins Radio Company, Cedar Rapids, Iowa. Phase modulation system and apparatus. 2,635,226, Apr. 14.

Harris, Donald B., assignor to Collins Radio Company, Cedar Rapids, Iowa. Multichannel telemetric system. 2,639,410, May 19.

Harris, Donald B., assignor to Collins Radio Company, Cedar Rapids, Iowa. Forward radar echo-ranging method and system. 2,639,422, May 19.

Harris, Donald B., and R. L. McCreary, assignors to Collins Radio Company, Cedar Rapids, Iowa. High-frequency tube. 2,641,733, June 9.

Harris, Doris C., trustee, assignee: *See*—
Harris, George S., Jr.

Harris, Edward P., and F. W. Sampson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Apparatus for making flexible hose. 2,625,979, Jan. 20.

Harris, Eli E., Clayton, assignor to Essex Manufacturing Co., Inc., St. Louis, Mo. Differential pressure switch. 2,656,428, Oct. 20.

Harris Foundry and Machine Company, assignee: *See*—
Britt, Edwin H.

Harris, Fred L., Sr., Loveland, Ohio. Hod carrier's shingle. 2,635,452, Apr. 21.

Harris, Frederic R., New York, N. Y., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Marine oil storage tank. 2,631,558, Mar. 17.

Harris, George P., assignee: *See*—
Rich, Edward L., Bauer, and Dengel.

Harris, George S., Jr., Newton, assignor of fifty per cent to E. M. Thomas, Milton, and twenty-five per cent to J. N. Muldoon, and twenty-five per cent to D. C. Harris, trustee, Newton, Mass. Dispensing machine for beverages having plural ingredients. 2,658,645, Nov. 10.

Harris, George W., assignee: *See*—
Davis, Louis.

Harris, Guy H.: *See*—
Fischback, Bryant C., and Harris.

Harris, Herbert, Jr.: *See*—
Campbell, David J., McCabe, and Harris.

Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to The Sperry Corporation. Potentiometer winder. 2,643,068. June 23.

Harris, Herman R., Grosse Pointe Woods, Mich. Trough-type oil burner with forced combustion air supply. 2,663,366, Dec. 22.

Harris, James C. P., and L. P. Starnes, Fort Mill, S. C. Sheave and adapter. 2,639,621, May 26.

Harris, James E., Smyrna, Tenn. Finger printing device. 2,642,687, June 23.

Harris, James S., Old Greenwich, Conn., assignor to Radio Corporation of America. Signal level indicator. 2,658,167, Nov. 3.

Harris, Jay C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Surface active alkyl benzene sulfonate composition. 2,630,411, Mar. 3.

Harris, Jay C., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Surface-active composition. 2,642,400, June 16.

Harris, John L., Whitefish Bay, Wis. Control device. 2,638,979, May 19.

Harris, John L., Whitefish Bay, Wis. Cam controlled device. 2,644,119, June 30.

Harris, John L., Whitefish Bay, Wis. Control device. 2,657,283, Oct. 27.

Harris, John L., Whitefish Bay, Wis. Control device. 2,658,573, Nov. 10.

Harris, John R., New York, N. Y. Toy airplane. 2,637,139, May 5.

Harris, Josephine A., Creswell, Oreg. Molded plastic shoe for dolls. 2,651,117, Sept. 8.

Harris, Larry M., San Jose, Calif. Gate mechanism for bottle dispensing containers. 2,661,992, Dec. 8.

Harris, Lawrence M., assignor of one-half to Foamrock Corporation, Stafford, Tex. Furnace. 2,654,592, Oct. 6.

Harris, Lawrence R., Vida, Oreg. Manually operated fender reshaping roller. 2,641,945, June 16.

Harris, Leonard W., Richmond, G. R. Sanders, El Cerrito, and C. C. Cassil, Berkeley, assignors to California Spray-Chemical Corporation, Richmond, Calif. Production of tetra estera of diphosphoric acid. 2,641,606, June 9.

Harris, Lewis S., Alta Loma, Tex. Nail holding and positioning device. 2,638,591, May 19.

Harris, Louise E., Macon, Ga. Cigarette chute. 2,637,490, May 5.

Harris Manufacturing Company, assignee: *See*—
Witzel, Homer D.

Harris, Marcus R., Indianapolis, Ind. Vehicle barrier. 2,655,225, Oct. 13.

Harris, Mechell F., Kansas City, Mo. Hairpin spreading device. 2,627,860, Feb. 10.

Harris, Mechell F., Kansas City, Mo. Hair curler. 2,646,053, July 21.

Harris, Milton M., Passaic, N. J., assignor to Irving Hollander, New York, N. Y. Tip for umbrellas and means for attaching the covers of umbrellas thereof. 2,628,581, Feb. 17.

Harris, Ralph E., Long Beach, assignor to F. A. Pachmayr, Culver City, Calif. Harpoon gun. 2,642,056, June 16.

Harris, Raymond C.: *See*—
Straley, James M., and Harris.

Harris Research Laboratories, assignee: *See*—
Brown, Alfred E., Sookne, and Minor.

Harris, Richard K., administrator: *See*—
Crouch, Willie W., and Cotton.

Harris, Robert A., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing condensers. 2,627,645, Feb. 10.

Harris, Robert L., and M. Lothrop, Berkeley, assignors to Yuba Manufacturing Company, San Francisco, Calif. Steam generator. 2,645,210, July 14.

Harris, Samuel A., and C. A. Sinquefield, assignors to Briggs-Shaffner Company, Winston-Salem, N. C. Warp beam construction. 2,651,478, Sept. 8.

Harris, Samuel B., St. Petersburg, Fla. Magazine pencil. 2,624,312, Jan. 6.

Harris-Seybold Company, assignee: *See*—
Barley, Leo D.
Elliott, Thomas J.
Ross, Royal E.
Spiller, William R.
Spiller, William R., and West.
Wood, James R.
Wood, James R., and Seel.
Wood, William H.
Wood, William H., and Adams.

Harris, Stanley A., Glen Rock, N. J., assignor to Detrex Corporation, Detroit, Mich. Degreasing machine or apparatus. 2,651,607, Sept. 8.

Harris, Stanley J., Mount Vernon, N. Y. Mattress covering bed sheet. 2,624,893, Jan. 13.

Harris, Sterling G., Beaufort, assignor to Blue Channel Corporation, Port Royal, S. C. Apparatus for recovering oysters. 2,652,588, Sept. 22.

Harris, Thaddeus S., Waverly, Ill. Automatic control unit for deep well jet pumps. 2,630,069, Mar. 3.

Harris, Thomas A.: *See*—
Lawrence, Owen N., Harris, and Fleming.

Harris, Thomas A., assignor to Joseph Lucas Limited, Birmingham, England. Liquid-fuel injection means for prime movers. 2,655,937, Oct. 20.

Harris, Thomas A., Edgbaston, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Means for controlling the rate of supply of liquid fuel to prime movers. 2,655,945, Oct. 20.

Harris, Thomas A., Edgbaston, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Means for controlling a liquid-operated servo mechanism. 2,658,482, Nov. 10.

Harris, Thomas A., Edgbaston, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Fluid operated servo mechanism. 2,658,483, Nov. 10.

Harris Transducer Corporation, The, assignee: *See*—
Harris, Wilbur T.

Harris Trust and Savings bank, trustee, assignee: *See*—
Lamar, Charles C.

Harris, Walter B.: *See*—
Thompson, Donald N., and Harris.

Harris, Walter R., and R. W. Moore, Pittsburgh, Pa., and W. Schaelchlin, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,637,006, Apr. 28.

Harris, Warren B., Millbury, Mass. Dobby chain. 2,624,373, Jan. 6.

Harris, Wilbur T., assignor to The Harris Transducer Corporation, Southbury, Conn. Transducer. 2,638,577, May 12.

Harris, William A.: *See*—
McKinney, David H., and Harris.

Harrison, Charles W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Interstage coupling circuit for wideband amplifiers. 2,649,508, Aug. 18.

Harrison, Charles W., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic level control. 2,660,625, Nov. 24.

Harrison, Charles W., assignor to Arnolt Corporation, Warsaw, Ind. Ladder stool. 2,632,590, Mar. 24.

Harrison, Charles W., assignor to Arnolt Corporation, Warsaw, Ind. Formation of welding projections on tubes. 2,658,548, Nov. 10.

Harrison, Dorie A., assignee: *See*—
Christie, Cleve F.

Harrison, Dovie A., assignee: *See*—
Christie, Cleve F.

Harrison, Edgar, Belham, London, assignor to Tom Smith & Co. Ltd., London, England. Apparatus for forming paper crackers. 2,631,417, Mar. 17.

Harrison, Geoffrey B., and R. R. Robinson, assignors to Ilford Limited, Ilford, England. Color photographic film and process. 2,647,833, Aug. 4.

Harrison, George, Berwyn, Ill., assignor to National Lead Company, New York, N. Y. Palletizing skid. 2,626,456, Jan. 27.

Harrison, George R., assignor to Adglo, Inc., Chicago, Ill. Luminous sign. 2,654,971, Oct. 13.

Harrison, George T., assignor to Tilghman Packing Company, Tilghman, Md. Machine for coating raw oysters. 2,659,338, Nov. 17.

Harrison, George T., assignor to Tilghman Packing Company, Tilghman, Md. Breading machine for raw oysters. 2,659,339, Nov. 17.

Harrison, Harry W., Harris County, Tex. Well gun. 2,636,561, Apr. 28.

Harrison, Henry: *See*—
Dailey, Catherine B., and Harrison.

Harrison, Henry, Port Washington, N. Y. Stepladder. 2,650,014, Aug. 25.

Harrison, Howard R., Philadelphia, Pa., assignor to General Electric Company. Side break disconnecting switch. 2,660,631, Nov. 24.

Harrison, James M., Oakmont, and A. E. Somers, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Separation of acetone and propionaldehyde by azeotropic distillation with chloroform. 2,649,406, Aug. 18.

Harrison, James M., Oakmont, and A. E. Somers, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Separation of ethyl acetate and ethanol by azeotropic distillation with methanol. 2,649,407, Aug. 18.

Harrison, John: *See*—
Page, George J., and Harrison.

Harrison, John B., and G. T. Adams, assignors to Rotary Lift Company, Memphis, Tenn. Low oil control. 2,637,302, May 5.

Harrison, John R., Woodhaven, N. Y. Drop foot brace. 2,663,294, Dec. 22.

Harrison, Joseph R., Jr., Chicago, and W. Dian, Downers Grove, Ill.; said Dian assignor to said Harrison, Jr. Key holder. 2,637,094, May 12.

Harrison, Marshall L., Roslyn Estates, and W. D. Stearns, Freeport, assignors to Parker, Stearns and Company, New York, N. Y. Inflatable rubber article. 2,625,209, Jan. 13.

Harrison, Meyer: *See*—
Korman, Samuel B., and Harrison.

Harrison, Percy, assignee: *See*—
Pappas, Theodore, and Charette.

Harrison, Robert C., Santa Monica, Calif. Electrical conduit connector. 2,650,110, Aug. 25.

Harrison, Robert D., Orinda, and H. G. Hall, Martinez, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Mercury sealed valve. 2,642,891, June 23.

Harrison, Stuart A., Stow, Ohio, and W. E. Brown, Cambridge, Mass., assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of mixtures of rubbery butadiene styrene copolymer with hard resinous saturated copolymer of styrene and another unsaturated compound. 2,643,987, June 30.

Harrison, Thomas R., Wyncote, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring apparatus. 2,648,037, Aug. 4.

Harrison, Thomas R., Wyncote, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature measuring apparatus. 2,659,234, Nov. 17.

Harrison, W. A., assignee: *See*—
Sammer, Rudolph.

Harrison, Walter D., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Centrifugal device. 2,657,920, Nov. 3.

Harrison, William, Jr.: *See*—
Cushman, Cecil A., and Harrison.

Harrison, William V., Muncie, Ind., assignor to Borg Warner Corporation, Chicago, Ill. Engine starter control system. 2,659,018, Nov. 10.

Harrison, William V., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission control. 2,663,199, Dec. 22.

Harriss & Covington Hosiery Mills, assignee: *See*—
Wilson, Grady W.

Harrod, William D., Greensboro, N. C., assignor to Union Special Machine Company, Chicago, Ill. Work guide for sewing machines. 2,644,411, July 7.

Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,626,330, Jan. 20.

Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,629,034, Feb. 17.

Harroun, Keith: *See*—
Hedquist, Milton T., Harroun, Mayhew, Van De Sampel, and Whalen.

Harrow, Eugene, assignor of forty percent to G. N. Calhoun, Philadelphia, Pa. Collar fastener and tie clasp. 2,663,060, Dec. 22.

Harry, Geoffrey M., Oak Park, Ill. Turning attachment for drill presses. 2,641,150, June 9.

Harry, John B., Hastings on Hudson, N. Y., assignor to Union Carbide and Carbon Corporation. 2-norcamphanemethanol and 2-norcamphanemethoxyethanol applied to plants to inhibit fungous growths. 2,638,431, May 12.

Harry, Thomas C., Ferndale, Mich., Mechanical hand. 2,639,437, May 26.

Harry, William R.: *See*—
Van Ryan, Anthony, and Harry.

Harry, William R., Hartland, Wis., assignor to N. T. Kyle. Commutator, armature, and making the same. 2,639,396, May 19.

Harsant, Henry J., Lakewood, and T. F. Deucher, Parma, assignors, by mesne assignments, to Clevite Corporation, Cleveland, Ohio. Magnetic recording and reproducing device. 2,658,952, Nov. 10.

Harsch, Chester A., Portland, Oreg. Electric control system for expansible motor operated boom. 2,643,515, June 30.

Harsh, Fred T., assignee: *See*—
Knott, Charles W.

Harsh, Fred T., Jr., assignee: *See*—
Knott, Charles W.

Harsh, Harold C.: *See*—
Duerr, Herman H., Morreall, Jr., and Harsh.

Harsh, Harold C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Antifading baths for photographic black-and-white prints. 2,629,660, Feb. 24.

Harsh, Harold C., and J. S. Friedman, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Producing multilayer color negatives containing masking images for color correction purposes. 2,635,959, Apr. 21.

Harsh, James D., assignee: *See*—
Knott, Charles W.

Harshaw Chemical Company, The, assignee: *See*—
Du Rose, Arthur H., and Little.
Ellis, David G.
Hay, John O.
Kremers, Harry C.
Little, John D.
Long, Robert H.
Shenk, Wilbur J., Jr.

Harshbarger, Walter J., New York, N. Y. Starting and rotor positioning apparatus for sync pulse-controlled synchronous motors. 2,634,388, Apr. 7.

Harshberger, Norman P., Pasadena, Calif. Apparatus for processing fusible materials. 2,630,310, Mar. 3.

Harshberger, Russell P., Altadena, Calif. Earthworking machine. 2,641,982, June 16.

Harshman, Virgil R., South Bend, Ind. Illuminated floating fishing bobber. 2,642,691, June 23.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Centrifugal separator with adjustable supply can bracket. 2,630,966, Mar. 10.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Can submerging device for milk coolers. 2,654,500, Oct. 6.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Vibration indicating instrument. 2,654,595, Oct. 6.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Milk strainer for separator supply cans. 2,656,928, Oct. 27.

Harstick, William H., Oak Park, and H. W. Hein, Chicago, Ill., assignors to International Harvester Company. Pressure operated milk metering device. 2,630,712, Mar. 10.

Hart, Arthur T., York, S. C. Tape roll supporting means. 2,626,109, Jan. 20.

Hart, Barton R., and G. Hare, Rocky Gap, Va. Aligning apparatus. 2,647,321, Aug. 4.

Hart-Carter Company, assignee: *See*—
Bosma, Alfred S.
Long, Arthur R.

Hart, Cecil A., Hackensack, N. J. Curtain rod holder. 2,649,269, Aug. 18.

Hart, Charles W., Alhambra, Calif. Torque wrench. 2,628,497, Feb. 17.

Hart, Charles W., Alhambra, Calif. Gas regulator. 2,661,601, Dec. 8.

Hart, Donald C.: *See*—
Bogart, Harold N., and Hart.

Hart, Dudley W., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Rock drilling tool. 2,633,335, Mar. 31.

Hart, Edward G.: *See*—
Kanning, Eugene W., and Hart.

Hart, Edward L., Abington, assignor to Philco Corporation, Philadelphia, Pa. Refrigerating apparatus and cabinet structure. 2,659,213, Nov. 17.

Hart, Eugene H., Middlebury, Conn. Heat-conducting fabric. 2,628,046, Feb. 10.

Hart, Frank J., assignee: *See*—
Bushore, Albert L.

Hart, George, assignee: *See*—
Tice, Reuben S.

Hart, George B., Inc., assignee: *See*—
Fegan, Robert W.

Hart, George T.: *See*—
Bradley, Robert W., and Hart.

Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for high-frequency dielectric progressive bonding. 2,631,223, Mar. 10.

Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. High-frequency sole attaching. 2,658,213, Nov. 10.

Hart, Hal M., Independence, Mo., assignor to Standard Oil Company, Chicago, Ill. Fluidized solids flow control system. 2,626,247, Jan. 20.

Hart, Hubert E.: *See*—
Boyce, Stanley C., and Hart.

Hart, Ivan T., Tuscarora, Nev. Portable drill press. 2,629,267, Feb. 24.

Hart, James B., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Laryngoscope. 2,630,114, Mar. 3.

Hart, James C.: *See*—
Davis, Doyle M., and Hart.

Hart, James M., Philadelphia, Pa. Trammel and beam instrument. 2,645,022, July 14.

Hart, John S.: *See*—
Ross, James H., Hart, Strapp, and Maass.

Hart, John V., Havertown, and E. E. Lakjer, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mercury manometer. 2,655,045, Oct. 13.

Hart, Julius F.: *See*—
Brody, Harry, J. Brody, and Hart.

Hart, Kenneth C., Redhill, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Wire clamp applying device. 2,650,510, Sept. 1.

Hart, Leo E., Ferndale, and R. C. Brown, Detroit, Mich. Gas burner and secondary air feed means. 2,625,215, Jan. 13.

Hart, Linton, Birmingham, Mich., assignor to Raymond Concrete Pile Company, New York, N. Y. Pile-driving. 2,663,152, Dec. 22.

Hart Manufacturing Company, The, assignee: *See*—
Boardman, Raymond H.
Holmberg, Hartvig E.
Landin, Carl A.

Hart, Marion R., and F. Collura, New York, N. Y. Flight position locator. 2,641,843, June 16.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale stabilizing mechanism. 2,625,444, Jan. 13.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Pendulum lock. 2,626,143, Jan. 20.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale lens frame mounting. 2,652,020, Sept. 15.

Hart, Sara E., Rochester, N. Y. Holder for bed clothing. 2,657,441, Nov. 3.

Hart, Stacy R., assignor of ten per cent to R. L. Kirk, Littefield, Tex. Air conditioner for motor vehicles. 2,655,856, Oct. 20.

Hart, Thomas F.: *See*—
Yenni, Donald M., and Hart.

Harteker, Joseph, Oconomowoc, Wis., and W. R. Hoegner, Moline, Ill. Machine for straightening automobile frames. 2,634,788, Apr. 14.

Hartemann, Georges, Montbard, assignor to Societe Anonyme Louvroil Montbard Aulnoye, Paris, France. Hydraulic-electric control system for tups for drop forging. 2,652,691, Sept. 22.

Hartenbach, Henry C., Jr., St. Louis, Mo., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Rug scouring apparatus. 2,656,701, Oct. 27.

Harter Corporation, assignee: *See*—
Good, Wayne W.

Harter, Isaac, Beaver, Pa., and C. L. Norton, Jr., New York, N. Y., assignors to The Babcock & Wilcox Company, Rockleigh, N. J. High-temperature melting apparatus. 2,636,723, Apr. 28.

Harter, Isaac, Jr., Beaver, Pa., assignor, by mesne assignments, to The Babcock & Wilcox Company, Jersey City, N. J. Method of and apparatus for indicating and/or controlling the level of liquid within an opaque container. 2,641,034, June 9.

Harter, Isaac, Jr., and T. W. Radcliffe, Beaver, Pa., assignors, by mesne assignments, to The Babcock & Wilcox Company, Jersey City, N. J. Apparatus for separating slag from a slag containing molten metal. 2,659,120, Nov. 17.

Harter, Jerry K.: *See*—
Lovejoy, Rex E., Smith, Harrington, and Harter.

Hartford National Bank and Trust Company, executors: *See*—
White, Ezekiel F.
Willgoos, Andrew V. D.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Anderson, Charles H. J., and van Werd.
Bailey, Christopher E. G.
Berindei, Matthew, and Tennet.
Bloem, Herman, and Stel.
Blok, Lourens.
Boeke, Jan.
Boelens, Willem W.
Boelens, Willem W., and Zijp.
Bokhove, Karel H. J.
Boosman, Herman B. R.
Boterweg, Dirk, Breimer, and Robeer.
Bourgonnier, Claude, Jouguet, and Bunodiere.
Brandt, Adrianus.
Broos, Henricus A.
Brouwer, Pieter H. J.
Bruijning, Hugo G.
Buchner, Robert B.
Bügel, Roelof D., Jonker, and van Santen.
Clay, Pieter H.
Cock, Ludolf J., Dammers, Boelens, and de Miranda.
Coeterier, Frederik.
De Gier, Johannes, and Peper.
De Jager, Frank.
De Lange, Hendrik, Dz.
Diemer, Gesinus.
Diemer, Gesinus, and Rodenhuis.
Douma, Tjiske.
Dros, Albert A.
Elenbaas, Willem, Kolkman, and Hurx.
Erkelens, Johannes.
Faust, Jacob.
Geeven, Gomarus M. A. C., and Yzer.
Haantjes, Johan, Valeton, and Schenau.
Hardenberg, Jan J. C.
Hepp, Gerard.
Holzer, Wolfgang, and Marko.
Hooijkamp, Cornelis, and Haus.
Hugenholtz, Eduard H.
Jansen, Pieter C., and Weehuizen.
Jonker, Gerard H., and Schilperoord.
Jonker, Johan L. H.
Jonkers, Cornelius O.
Jonkers, Cornelius O., and Köhler.
Jonkers, Cornelius O., Köhler, Rinia, and Liebe.
Klinkert, Leonard, Moubis, and Jenker.
Klinkhamer, Jacob F.
Klopping, Carel P.
Knol, Kornelis S., and van der Ziel.
Köhler, Jacob W. L., and Liebe.
Kröger, Ferdinand A.
Le Comte, Corstiaan.
Peters, Alfons.
Posthumus, Klaas.
Rinia, Herre.
Rodenhuis, Klaas.
Schmitz, Mattheus J., and Buchner.
Schouten, Jan F., and de Jager.
Schouten, Jan F., de Jager, and Greefkes.
Severs, Jan.
Six, Willem, Jonker, and Van Gelder.
Smits, Hubertus J.
Snoek, Jacob L., Went, and Haayman.
Staal, Cornelis J. H. A.
Tellegen, Bernardus D. H.
Teves, Marten C., and Tol.
Te Winkel, Jan.
Unk, Jacob M.
Unk, Jacob M., Scheffer, and Pennekamp.
Van de Lindt, Willem J.
Van der Willigen, Paul C.
Van de Wiel, Alfred.
Van Doorn, Willem.
Van Heeckeren, Willem J., and Clay.
Van Hofweegen, Johannes M.
Van Overbeek, Adrianus J. W. M.
Van Wageningen, Johan H., and Schreur.
Van Weijnsbergen, Charles L.
Van Werd, Johannes H. F.
Van Werd, Johannes H. F., and Anderson.
Veenemans, Cornelis F., Visser, and Jansen.
Verhoeff, Adrianus.
Vervest, Wilhemus L., and van Gelder.
Verweel, Jan.
Visch, Henri M.
White, Ezekiel F., and La Viano.
Wijchman, Jan.
Zwikker, Cornelis.

Hartig, Martval J. P., Glen Ridge, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Oxidation catalysts. 2,625,519, Jan. 13.

Hartig, Martval J. P., Gwinhurst, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Separating reaction products obtained by reaction between propylene and aqueous ammonium polysulfide. 2,631,166, Mar. 10.

Hartley, Arthur M., Decatur, Ill. Apparel holder. 2,631,734, Mar. 17.

Hartley, Fred L.: *See*—
Berg, Clyde H. O., Reed, and Hartley.

Hartley, George A. R., Coventry, assignor to Courtaulds Limited, London, England. Recovery of acetic acid from aqueous acetic acid solutions by extractive distillation. 2,651,604, Sept. 8.

Hartley, George A. R., and C. O. Haughton, Coventry, assignors to Courtaulds Limited, London, England. Recovery of acetic acid from aqueous acetic acid solutions by extractive distillation. 2,651,605, Sept. 8.

Hartley, George C.: *See*—
Bray, Frederick H., Hartley, and Ridler.

Hartley, George C., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,651,679, Sept. 8.

Hartley, George C., and W. J. Reynolds, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., Binary multiplying circuit. 2,638,267, May 12.

Hartley, George C., and D. A. Weir, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Telecommunication exchange system. 2,640,872, June 2.

Hartley, George C., F. H. Bray, and G. H. Hough, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Alternating current switching device. 2,655,605, Oct. 13.

Hartley, Gilbert S., Fulbourn, and D. W. Pound, Harston, assignors to Pest Control Limited, Bourn, England. Phosphorus-containing organic compounds. 2,649,464, Aug. 18.

Hartline, Haldan K.: *See*—
Milne, Lorus J., Rawson, and Hartline.

Hartline, Haldan K., Media, Pa., A. J. Rawson, Frederick, Md., and V. A. Legallais, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of the Air Force. Contractible head mount for binoculars. 2,649,019, Aug. 18.

Hartman, Carl H., New Rochelle, assignor to St. Regis Paper Company, New York, N. Y. Valve bag. 2,635,803, Apr. 21.

Hartman, Carl H., New Rochelle, W. R. Peterson, and D. D. Griswold, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Apparatus for filling valve bags and control means therefor. 2,624,539, Jan. 6.

Hartman, Frank W., Jr., Dearborn, assignor to Holley Carburetor Company, Detroit, Mich. Centrifugal means for a high tension distributor arm. 2,657,035, Oct. 27.

Hartman, Herbert L., assignor to The General Industries Company, Elyria, Ohio. Drive mechanism for phonograph turntables and tape mechanisms. 2,625,827, Jan. 20.

Hartman, Herbert L., assignor to The General Industries Company, Elyria, Ohio. Selective plural speed frictional drive mechanism. 2,660,896, Dec. 1.

Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Separable fastener. 2,641,814, June 16.

Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,657,443, Nov. 3.

Hartman, Robert M.: *See*—
Potter, Frank M., and Hartman.

Hartman, Vern, and O. B. Gladwell, El Monte, Calif. Live bait holder. 2,639,536, May 26.

Hartman, William W., and R. A. Steps, Los Angeles, Calif. Basket guide. 2,652,118, Sept. 15.

Hartmann, Albert E., New York, N. Y. Combined shaving brush and soap holder. 2,642,608, June 23.

Hartmann, August H., Oakland, Calif. Drive for washing and wringing unit. 2,624,203, Jan. 6.

Hartmann, Hans: *See*—
Meyerhans, August, and Hartmann.

Hartney, James L., Chicago, Ill., assignor to United States Steel Corporation. Apparatus for introducing air to burners of reversing type furnaces. 2,660,419, Nov. 24.

Hartog, Robbert, Toronto, Ontario, Canada. Sink bowl. 2,629,880, Mar. 3.

Harton, Erskine E.: *See*—
Ayers, George W., and Harton.

Hartough, Howard D.: *See*—
Schick, John W., and Hartough.

Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of 2-thenylformaldimines. 2,652,404, Sept. 15.

Hartough, Howard D., Pitman, J. J. Dickert, Jr., Westville, and S. L. Meisel, West Deptford Township, Gloucester County, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of nitrogen-containing materials from olefins. 2,647,117, July 28.

Hartough, Howard D., Pitman, J. J. Dickert, Jr., Westville, and S. L. Meisel, West Deptford Township, Gloucester County, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparing bis-(substituted tetrahydro-1, 3-oxazino)-methanes. 2,647,118, July 28.

Hartough, Howard D., Pitman, J. J. Dickert, Jr., Westville, and S. L. Meisel, West Deptford Township, Gloucester County, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reaction of cracked petroleum fractions, formaldehyde and ammonium halides and products. 2,652,429, Sept. 15.

Hartquist, Donald E., Kankakee, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Combination fork and finger lift attachment. 2,650,732, Sept. 1.

Hartrampf, Otto B., Hillsboro, Oreg. Size grading device. 2,637,442, May 5.

Hartridge, Leslie, Buckingham, England. Machine for testing the component parts of the injection systems of compression-ignition engines. 2,629,255, Feb. 24.

Hartsell, Arlis C., El Campo, Tex. Well fluid stabilizer. 2,633,202, Mar. 31.

Hartsell, Arlis C., El Campo, Tex. Well fluid stabilizer. 2,641,322, June 9.

Hartsock, Robert E., La Habra, and R. W. Henss, South Gate, Calif., assignors to J. I. Case Company, Racine, Wis. Plow draft device. 2,651,247, Sept. 8.

Hartstein, Murray, assignee: *See*—
Angell, Elvin D.

Hartung, George A., Brookfield, Ill. Golf putting practice device. 2,653,815, Sept. 29.

Hartung, Hans, Sr., Glens Falls, N. Y. Warp knitting machine. 2,650,486, Sept. 1.

Hartup, William O., Columbus, Ind. Trimming machine. 2,629,439, Feb. 24.

Hartwell Aviation Supply Company, assignee: *See*—
Hogan, John E.

Hartwell, Clark, assignee: *See*—
Hogan, John E.

Hartwell, Eleanor M., assignee: *See*—
Hogan, John E.

Hartwell, Robert H., Naugatuck, Conn. Cutting-tool for sheet material. 2,629,927, Mar. 3.

Hartwig, Edward C., Lancaster, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for cutting apparatus. 2,640,152, May 26.

Hartwig, Edward C., Tonawanda, and R. F. Barrell, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timer for welding systems. 2,639,361, May 19.

Hartwig, Edward C., Lancaster, and H. W. Van Ness, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic timer. 2,653,209, Sept. 22.

Hartwig, Karl T., Glen Ellyn, assignor to Universal Oil Products Company, Chicago, Ill. Reforming hydrocarbons in the presence of a platinum- or palladium catalyst. 2,643,214, June 23.

Hartwig, Karl T., Glen Ellyn, and C. H. Watkins, Western Springs, assignors to Universal Oil Products Company, Chicago, Ill. Reactor for high-temperature cracking. 2,644,744, July 7.

Hartwright, George: *See*—
Higgs, Morton C., and Hartwright.

Hartz, Julius, New Orleans, La. Radio transmission and carrier wave modulation. 2,645,710, July 14.

Hartz, Marvin E., Milwaukee, assignor to Kiekhaefer Corporation, Fond du Lac, Wis. Propeller slip clutch. 2,633,923, Apr. 7.

Hartz, Marvin E., Milwaukee, assignor to Kiekhaefer Corporation, Fond du Lac, Wis. Controlled variable coolant system for engines. 2,656,825, Oct. 27.

Hartz, Raymond J., Cuyahoga Falls, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electrical switch. 2,649,520, Aug. 18.

Hartz, Raymond J., Cuyahoga Falls, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Centrifugal device. 2,663,771, Dec. 22.

Hartz, Vernon O., Glendale, Calif. Variable fluid drive mechanism. 2,638,054, May 12.

Hartzell, George P., Chester, Pa. Machine for cleaning and polishing space bands and the like. 2,652,579, Sept. 22.

Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Making shock absorbing connections. 2,639,496, May 26.

Hartzler, Melvin E.: *See*—
McKee, James H., and Hartzler.
McKee, John F., and Hartzler.

Harvard Manufacturing Company, The, assignee: *See*—
Blanke, Nathan E., and Sands.

Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T.

Harvengt, Edmond, Moustier-sur-Sambre, Belgium, assignor to Link-Belt Company, Chicago, Ill. Jigging apparatus. 2,638,214, May 12.

Harvengt, Edmond, Moustier-sur-Sambre, Belgium, assignor to Link-Belt Company, Chicago, Ill. Method and apparatus for treating materials of different specific gravities. 2,644,582, July 7.

Harvey, Bertrand G.: *See*—
Robbins, Charles F., and Harvey.

Harvey, Bertrand G., assignor to Markem Machine Company, Keene, N. H. Machine for printing cylindrical articles. 2,624,274, Jan. 6.

Harvey, Cecil L., Ridgeway, assignor to Gibson Electric Company, Pittsburgh, Pa. Contact. 2,649,525, Aug. 18.

Harvey, Clayton P.: *See*—
Bell, Orlando J., and Harvey.

Harvey, Herbert, assignor, by mesne assignments, to Robot Laundry Machinery Corporation of California, Los Angeles, Calif. Power-driven washing machine governed by a master control. 2,650,489, Sept. 1.

Harvey, Herbert, assignor to L. M. Harvey, Los Angeles, Calif. Fabricated faucet fixture. 2,659,389, Nov. 17.

Harvey, James E., assignor to Argus Cameras, Inc., Ann Arbor, Mich. Automatic film winding and shutter tensioning control camera mechanism. 2,655,847, Oct. 20.

Harvey, John F., Akron, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Steam generator. 2,630,104, Mar. 3.

Harvey, Leo M., assignee: *See*—
Frick, Chester A.
Harvey, Herbert.

Harvey, Leo M., Los Angeles, Calif. Mechanism for dispensing liquid from a plurality of supply containers. 2,647,661, Aug. 4.

Harvey, Merlin P.: *See*—
Ladd, Elbert C., and Harvey.

Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Products and methods: reacting cashew nut shell liquid and polymers with unsaturated fatty acids. 2,637,709, May 5.

Harvey, Paul D., Chicago, Ill. Sliding door hanger and check device for trucks. 2,656,215, Oct. 20.

Harvey, Robert A., assignor to The Chloride Electrical Storage Company Limited, Clifton Junction, near Manchester, England. Battery charging system controlled by time and voltage responsive devices. 2,635,221, Apr. 14.

Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Remote-control system for radio receivers and the like. 2,631,280, Mar. 10.

Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Tuned inductive coupling system. 2,639,324, May 19.

Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Variable band width amplifier. 2,661,399, Dec. 1.

Harvey, Thaddeus F., South Bend, Ind. Reversible coil winding mechanism for stator winding machines. 2,640,652, June 2.

Harvey, Valentine P.: *See*—
Molins, Desmond W., Ruau, Harvey, and Nichols.

Harvey, Valentine P., assignor to Molins Machine Company Limited, Deptford, London, England. Method of and apparatus for sealing wrappers. 2,638,724, May 19.

Harvill, Edward K., Essex, assignor to Ernst Bischoff Company, Inc., Ivoryton, Conn. Alkali metal salts of adenylic acid. 2,653,897, Sept. 29.

Harvill, Edward K., Essex, assignor to Ernst Bischoff Company, Inc., Ivoryton, Conn. Adenylic acid salts-gelatin composition. 2,653,901, Sept. 29.

Harwin, C. W., Inc., assignee: *See*—
Roselund, Harold A.

Harwood, Douglas S., Hillside, Birkdale, England. Smoker's ash receptacle. 2,649,222, Aug. 18.

Harwood, H., and Sons, Inc., assignee: *See*—
Hawes, Edward H.

Harwood, James: *See*—
Du Brow, Paul L., and Harwood.

Harz, Albert W., Orlando, Fla. Spray boom. 2,659,624, Nov. 17.

Hasbany, Woodrow A., assignor to The Studebaker Corporation, South Bend, Ind. Parking brake for automotive vehicles. 2,653,689, Sept. 29.

Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Apparatus for recording time intervals. 2,626,004, Jan. 20.

Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,640,186, May 26.

Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,640,187, May 26.

Hasbrouck, Harold J., Jr., Teaneck, N. J., assignor to Farrand Optical Co., Inc. Sphygmomanometer. 2,660,164, Nov. 24.

Hasbrouck, John S.: *See*—
Cole, Gilmoure N., and Hasbrouck.

Hasbrouck, John S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Fluid coupling and clutch. 2,641,342, June 9.

Hasbrouck, John S., Glastonbury, and L. C. Small, Jr., South Glastonbury, assignors to United Aircraft Corporation, East Hartford, Conn. Radial engine. 2,630,105, Mar. 3.

Hasbrouck, Richard B., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Piperazine salts of cyclopentanopolyhydrophenanthrene - 3 - monosulfates. 2,642,427, June 16.

Hascall, Richard C., Detroit, Mich. Electric circuit operating device. 2,642,504, June 16.

Hasche, Rudolph L., Johnson City, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of hydrogen. 2,635,948, Apr. 21.

Hasche, Rudolph L., Johnson City, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Producing acetylene. 2,645,673, July 14.

Hase, Rudolf, Gehrden, near Hannover, Germany. Optical pyrometer. 2,642,772, June 23.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Holding means for door operating levers. 2,625,421, Jan. 13.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Throwout crank arm for sliding doors. 2,650,392, Sept. 1.

Haselwood, Willis E., assignor to Taylor Sales Engineering Corporation, Elkhart, Ind. Floating liquid intake. 2,663,425, Dec. 22.

Haseman, Joseph F., Florence, Ala., assignor to Tennessee Valley Authority. Selective flocculation of colloidal phosphate ore in the presence of clay. 2,660,303, Nov. 24.

Hashem, Abraham T. and T. A., Cheektowaga, N. Y. Sterilizer. 2,637,077, May 5.

Hashem, Thomas A.: *See*—
Hashem, Abraham T. and T. A.

Haskell, Frederic V.: *See*—
Carr, James A., Haskell, Sutton, and Walter.

Haskell, Herbert T., Carlsbad, N. Mex. Paper padding press. 2,641,781, June 16.

Haskell, Margaret B., Buffalo, N. Y. Doll with dress ensemble. 2,642,697, June 23.

Haskell, Philip R.: *See*—
Crittendon, Lexie R., and Haskell.
Pinckney, George E., and Haskell.

Haskell, William E. Springfield, Mass. Head traction device. 2,658,506, Nov. 10.

Haskin, Simon, North Carlton, Victoria, Australia. Traffic control indicator of the clock type. 2,658,187, Nov. 3.

Hasko Trays, Inc., assignee: *See*—
Potchen, Joseph A.

Hass, Henry B., and H. Feuer, assignors to Purdue Research Foundation, West Lafayette, Ind. Esters of nitroacetic acid. 2,659,751, Nov. 17.

Hasse, Delmas F.: *See*—
Augspurger, Luther S., and Hasse.

Hassel, Martin L., St. Louis, Mo., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Washing glass bottles and composition therefor. 2,628,943, Feb. 17.

Hasselbaum, Oscar H., Arlington, assignor to Joseph Pollak Corporation, Dorchester, Mass. Toggle switch. 2,625,620, Jan. 13.

Hasselblad, Fritz V., Goteborg, Sweden. Photographic plate or film holder. 2,656,771, Oct. 27.

Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil with spiral feeding means. 2,638,074, May 12.

Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Wall structure. 2,642,883, June 23.

Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for controlling a web of sheet material. 2,643,116, June 23.

Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflatable walled structure. 2,651,314, Sept. 8.

Hassid, Maurice A., London, and E. Venis, Hatch End, assignors to The British Vacuum Flask Company Limited, London, England. Vacuum flask. 2,632,576, Mar. 24.

Hassler, John F., Jr., assignee: *See*—
Shames, Albert A.

Hassler, John W., and W. E. McMinn, Tyrone, Pa., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Manufacture of active carbon. 2,632,738, Mar. 24.

Hassler, Kenneth, Bronx, N. Y. Pocket-containing headgear. 2,640,992, June 9.

Hassler, Norman A., Port Washington, assignor to The Sperry Corporation, Great Neck, N. Y. Electromechanical amplifier. 2,648,815, Aug. 11.

Hastings, Carlton H., Newton, and S. W. Carter, Hopkinton, Mass. Apparatus for dynamic determination of reduction in area of specimens during mechanical tests. 2,645,151, July 14.

Hastings, Charles E., Hampton, Va. Thermal air-speed indicator. 2,652,723, Sept. 22.

Hastings, Donald F., Suffern, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Adjustable resistance device. 2,629,799, Feb. 24.

Hastings, Jeremy R. B.: *See*—
White, Theodore, and Hastings.

Hastings, John V., III: *See*—
Schoenberg, Andrew A., and Hastings.

Hastings Manufacturing Company, assignee: *See*—
Anderson, Hugo, and Phillips.
Byerlay, Henry L.
Dutterer, Rex J. L.
Johnson, Stephen I.
Phillips, Harold P.
Phillips, Harold P., and Anderson.
Stevens, Guy L.

Hastings, Robert J., Yagoona, New South Wales, Australia. Machine for the manufacture of crumpets and the like. 2,660,109, Nov. 24.

Hastings, Russell, Jr., Wellesley Hills, assignor to Lewis-Shepard Company, Watertown, Mass. Lifting mechanism. 2,627,943, Feb. 10.

Hastings, Russell, Jr., Wellesley, assignor to Lewis-Shepard Company, Watertown, Mass. Winch. 2,649,281, Aug. 18.

Hastings, Sam H.: *See*—
Watson, Albert T., and Hastings.

Hat Corporation of America, assignee: *See*—
Vickers, Irving H., and Rickus.

Hatay, Charles G., Georgetown, Mass., assignor to E-Z Mills, Inc., New York, N. Y. Shrinkproofing of fabrics. 2,655,711, Oct. 20.

Hatch, Arnold C.: *See*—
Cook, Robert R., and Hatch.

Hatch, Arthur J., assignor to The Strong Electric Corporation, Toledo, Ohio. Arc lamp. 2,656,482, Oct. 20.

Hatch, Edna B.: *See*—
Hatch, Walter I. and E. B.

Hatch, George B., Fishkill, assignor to The Texas Company, New York, N. Y. Preparing thiolane and its homologs. 2,648,675, Aug. 11.

Hatch, Gordon: *See*—
Carlson, Clifford E., and Hatch.

Hatch, Philip J., Pittsfield, Mass., assignor to General Electric Company. Magnetic resetting tool for maximum indicators. 2,630,778, Mar. 10.

Hatch, Robert L., assignor to Rodney Hunt Machine Company, Orange, Mass. Sluice gate seal. 2,643,521, June 30.

Hatch, Walter I. and E. B., North Sacramento, Calif. Garter clasp. 2,624,093, Jan. 6.

Hatcher, David B., and R. H. Bunnell, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Silicon-containing alkyd resins. 2,624,720, Jan. 6.

Hatcher, David B., and R. H. Bunnell, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Curable organo-silicon compositions. 2,624,721, Jan. 6.

Hatcher, George W., Sr., Richmond, Va. Electrical connector. 2,658,185, Nov. 3.

Hatcher, Joe P.: *See*—
Hatcher, Sarah A. and J. P.

Hatcher, Sarah A. and J. P., Prescott, Ariz., Swab. 2,635,274, Apr. 21.

Hatchett, Samuel E.: *See*—
Zikmund, Edward J., and Hatchett.

Hatfield, Arch L.: *See*—
Connors, Harry E., and Hatfield.

Hatfield, Charles W., St. Louis, Mo., assignor to Standard Manifold Company. Carbon holder for continuous-form stationery. 2,639,018, May 19.

Hatfield, Harold B., Jr., Bryn Mawr, Pa. Water trap for gasoline tanks. 2,625,268, Jan. 13.

Hatfield, Robert L., East Orange, assignor to Nash Inc., Jersey City, N. J. Billfold retainer clip. 2,655,705, Oct. 20.

Hathaway, Claude M., Denver, Colo. Engine data recorder. 2,633,404, Mar. 31.

Hathaway, Claude M., Littleton, Colo. Electric pressure head. 2,637,210, May 5.

Hathaway, Claude M., Littleton, Colo. Thermal flowmeter. 2,647,401, Aug. 4.

Hathaway, Claude M., Littleton, W. De B. Tilton, Jr., Denver, Colo., and P. W. Schafer, Kansas City, Kans., assignors to Hathaway Instrument Company, Denver, Colo. Electric blood pressure recording system. 2,648,328, Aug. 11.

Hathaway Instrument Company, assignee: *See*—
Hathaway, Claude M., Tilton, and Schafer.

Hathaway, Stanley, Greenville, N. C. Tobacco stemmer. 2,624,344, Jan. 6.

Hatherell, George A., Roscoe, Calif. Scoring system for ball games. 2,646,987, July 28.

Hatke, Charles W., Denver, Colo. Motion-picture reel end indicator. 2,624,306, Jan. 6.

Hatkin, Leonard, Elberon, N. J., and J. Ruze, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of the Army. Antenna array system. 2,636,124, Apr. 21.

Hatkoff, Nathan R., Westport, Conn. Orthopedic device for the ankle. 2,656,834, Oct. 27.

Hatt, Harold H., Kew, P. H. A. Strasser, Balwyn, and W. J. Troyahn, Gardiner, assignors to Commonwealth Scientific and Industrial Research Organization, East Melbourne, Victoria, Australia. Refining and bleaching of sugar cane wax. 2,640,841, June 2.

Hattis, Russell E.: *See*—
Frey, Erik, and Hattis.

Hatton, Roger E.: *See*—
Gamrath, Harry R., and Hatton.

Hatton, Willard J., Jackson, Mich., assignor, by mesne assignments, to Bituminous Coal Research, Inc. Control system for automatically fed furnaces for solid organic fuels. 2,656,799, Oct. 27.

Hatton, Willard J., and H. M. Carlson, Columbus, Ohio, assignors, by mesne assignments, to Bituminous Coal Research, Inc., Washington, D. C. Apparatus and method for controlling combustion furnaces for solid organic fuels. 2,653,554, Sept. 29.

Hatton, Willard J., and R. A. Sherman, Columbus, Ohio, assignors, by mesne assignments, to Bituminous Coal Research, Inc., Washington, D. C. Downflow stoker-fed furnace system for bituminous coals. 2,653,555, Sept. 29.

Hatton, William, Great Neck, N. Y., L. B. Haigh, West Orange, N. J., and L. Kozma, Budapest, Hungary, assignors to International Standard Electric Corporation, New York, N. Y. Calculator equipment working with teleprinter. 2,645,420, July 14.

Hatula, John E., Painesdale, Mich. Punctureproof steel inner tube. 2,633,887, Apr. 7.

Haubert, Leo, Tulsa, Okla. Pulling implement. 2,639,890, May 26.

Haubrich, Earl, assignee: *See*—
Burkland, Carl J.
Hauck Manufacturing Co., assignee: *See*—
Parker, Melvin J., and Turpin.
Hauck, Vernon D.: *See*—
Wood, Louvan E., and Hauck.
Hauck, William E., assignor to Inland Container Corporation, Indianapolis, Ind. Wire handled basket. 2,636,663, Apr. 28.
Hauduroy, Paul, Paris, France. Multiple container. 2,661,742, Dec. 8.
Hauer, Frank J., Dayton, Ohio. Carbon set form. 2,628,110, Feb. 10.
Hauer, Gerald E., Aurora, Ill., assignor to The American Well Works. Mechanically cleaned screen unit. 2,634,863, Apr. 14.
Haufe, Ted B., Western Springs, and J. O. Iverson, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of dimethyl hydrogen phosphite. 2,631,161, Mar. 10.
Haug, John S., Chestnut Hill, Pa., and C. A. Mengers, Oaklyn, N. J., assignors to United Engineers & Constructors Inc., Philadelphia, Pa. Compensating blast control device. 2,624,659, Jan. 6.
Haugdahl, Inc., assignee: *See*—
Haugdahl, Sigurd.
Haugdahl, Sigurd, Jacksonville, assignor, by mesne assignments, to Haugdahl, Inc., Daytona Beach, Fla. Pumping mechanism. 2,633,805, Apr. 7.
Haugen, Edmond H., Birmingham, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burner. 2,641,189, June 9.
Haught, Warren E.: *See*—
Skeuse, Thomas J., Jennings, and Haught.
Haughton, Charles O.: *See*—
Hartley, George A. R., and Haughton.
Haughton Elevator Company, assignee: *See*—
Borden, Joseph H.
Borden, Joseph H., and Nikazy.
Brubaker, John A.
Hohnecker, Otto.
Panter, Carl.
Haulman, Clyde A., Hyattsville, Md., and D. J. Hilferty, deceased (by E. M. George, executrix), Riverdale, Md. Coaxial transmission line switch. 2,642,495, June 16.
Haumerson, Fred C., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Lift mechanism. 2,624,546, Jan. 6.
Haupt, Curtis R.: *See*—
Garman, Raymond L., and Haupt.
Haupt, Walter H., Kenton Hills, Ky., assignor to Keleket X-Ray Corporation, Cincinnati, Ohio. X-ray apparatus. 2,653,245, Sept. 22.
Hauptman, Frederick F., Rego Park, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Automatic control for aircraft. 2,630,987, Mar. 10.
Haury, William R., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Dead-man circuit control unit for train transformers. 2,661,461, Dec. 1.
Haus, Rudolf: *See*—
Hooijkamp, Cornelis, and Haus.
Hausam, Edward F., Normandy, Mo. Apparatus which facilitates the cleaning of Venetian blinds. 2,627,916, Feb. 10.
Hauser, Ernst A.: *See*—
De Mello, Victor F. B., Hauser, and Lambe.
Hauser, Frederick L., Pawtucket, R. I., assignor to Premier Thread Company. Cooling device for sewing machine needles. 2,650,557, Sept. 1.
Hauser, John M., Takoma Park, Md., and B. M. Snow, Washington, D. C. Leg brace joint and lock. 2,632,440, Mar. 24.
Hauser, Joseph E., Fort Worth, Tex. Machine for cleaning the exterior surfaces of pipes. 2,631,315, Mar. 17.
Hauser, Richard, assignee: *See*—
Mullins, James H.
Hausermann, Heinrich, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Sulfonic acid aryl esters of polyarylethylene derivatives and making same. 2,657,228, Oct. 27.
Hausman, Walter J., Washington, D. C. Producing lithographic printing plates. 2,637,929, May 12.
Hausner, Joseph, Jamaica, N. Y. Producing reinforced wire netting. 2,640,789, June 2.
Hausner, Julius, Brooklyn, N. Y. Dispensing means for fountain toothbrushes. 2,634,025, Apr. 7.
Hauswirth, Vernon O., Royal Oak, assignor to Dearborn Motors Corporation, Birmingham, Mich. Cutter bar and mower guard for mowers. 2,637,158, May 5.
Hauswirth, Vernon O., Los Gatos, Calif., assignor to Dearborn Motors Corporation, Highland Park, Mich. Frame construction for implement draft devices. 2,660,445, Nov. 24.
Hausz, Walter, Syracuse, N. Y., assignor to General Electric Company. Acceleration sensing device. 2,638,556, May 12.
Hausz, Walter, Syracuse, N. Y., assignor to General Electric Company. Object detection. 2,653,309, Sept. 22.
Hautau, Charles F.: *See*—
Hautau, Llewellyn A.
Hautau, Llewellyn A. and C. F.
Hautau, Llewellyn A., assignor of one-half to C. F. Hautau, Detroit, Mich. Indexing machine. 2,627,647, Feb. 10.
Hautau, Llewellyn A., Detroit, and C. F. Hautau, Huntington Woods, Mich. Power-operated, predetermined-torque control socket wrench. 2,627,770, Feb. 10.
Hauttmann, Hubert, assignor to Vereinigte Oesterreichische Eisen-und Stahlwerke Aktiengesellschaft, Linz (Danube), Austria. Refining steel with pure oxygen. 2,644,746, July 7.
Hava Development Co., Inc., assignee: *See*—
Vera, Edward F.
Havemann, Hans A., Bangalore, India, assignor to Power Jets (Research and Development) Limited, London, England. Combustion system for pulverulent fuel. 2,635,564, Apr. 21.
Havemann, Robert A., and D. S. Bruce, assignors to The Gummed Products Company, Troy, Ohio. Gummed tape serving mechanism. 2,638,145, May 12.
Haven, Alfred C., Jr.: *See*—
Wendler, Normal L., Graver, and Haven.
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Automatic riveting machine. 2,652,167, Sept. 15.
Havens, Byron L., Bergen County, N. J., assignor to International Business Machines Corporation, New York, N. Y. Pulse delay circuit. Re. 23,699, Aug. 18.
Havens, Byron L., Closter, N. J., assignor to International Business Machines Corporation, New York, N. Y. Pulse delay circuit. 2,624,839, Jan. 6.
Havens, Glenn G., assignor to Narmco, Inc., San Diego, Calif. Method and apparatus for manufacturing cylindrical bodies. 2,643,700, June 30.
Havens, Glenn G., assignor to Narmco, Inc., San Diego, Calif. Composite structural material. 2,644,777, July 7.
Havens, Harry L., Kansas City, Mo. Building structure. 2,651,391, Sept. 8.
Haverland, Frank J., Chicago, Ill. Electrically ignited gas pilot. 2,643,709, June 30.
Haverlin Aviation Products, Inc., assignee: *See*—
Haverlin, Jack F.
Haverlin, Jack F., assignor to Haverlin Aviation Products, Inc., Northridge, Calif. Control for the landing gear of aircraft. 2,647,708, Aug. 4.
Haverly, Byron H., North Bienheim, N. Y. Piston ring. 2,634,179, Apr. 7.
Havey, John G.: *See*—
Turner, Archibald J., and Havey.
Haviland, Girard S.: *See*—
Stoner, Arthur M., and Haviland.
Haviland, Robert P., Scotia, N. Y., assignor to General Electric Company. Arbitrary function generator. 2,656,101, Oct. 20.
Haviland, Thomas J., Brookville, Md., assignor to the United States of America as represented by the Secretary of the Navy. Trace identifying device for recording oscillographs. 2,635,034, Apr. 14.
Hawaiian Canneries Company, Limited, assignee: *See*—
Horner, Albert, and Story.
Hawaiian Pineapple Company, Limited, assignee: *See*—
Botley, Richard M.
Botley, Richard M., and Guigas.
Erickson, Arvid M.
Fox, Harry S.
Horner, Albert.
Haward, Robert N. *See*—
Hohenstein, Walter P., Haward, and Elly.
Haward, Robert N., and E. T. Borrows, Manchester, assignors to Petrocarbon Limited, London, England. Stabilization of polymerizable aromatic compounds. 2,650,899, Sept. 1.
Hawes, Albert H., Erdington, Birmingham, assignor to Kwikform Limited, Birmingham, England. Process and apparatus for coating surfaces with liquid compositions containing solid matter in suspension. 2,660,415, Nov. 24.
Hawes, Edward H., assignor to H. Harwood and Sons, Inc., Natick, Mass. Baseball. 2,645,487, July 14.
Hawes, Harold B., assignor to Norco of Bridgeport, Inc., Bridgeport, Conn. Automobile fender guide. 2,634,928, Apr. 14.
Hawes, Russell J., and F. M. Miller, Cranford, and R. H. Stephens, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Liquid fuel composition and making same. 2,628,189, Feb. 10.
Hawes, Russell J., Cranford, N. J., and C. C. Winding, Ithaca, assignors to Tide Water Associated Oil Company, New York, N. Y. Production of silicate adsorbent. 2,650,202, Aug. 25.
Hawes, Russell J., Cranford, N. J., and C. C. Winding, Ithaca, N. Y., assignors to Tide Water Associated Oil Company, Bayonne, N. J. Preparation of silicate adsorbents. 2,650,203, Aug. 25.
Hawes, William B.: *See*—
Walsh, Conrad L., Hawes, and Foulger.
Hawie, Wadih F., Fairhope, and W. T. Davis, Mobile, Ala. Four-in-hand necktie cleaner and presser. 2,633,274, Mar. 31.
Hawk, Grover G., assignor to The Hoover Company, North Canton, Ohio. Filter mounting for suction cleaners. 2,641,332, June 9.
Hawkes, Lawrence H., assignor of forty percent to J. W. Nitz, Cannelton, W. Va. Split trolley wire frog or switch. 2,629,028, Feb. 17.

Hawkes, Thomas B., Champlain, N. Y., assignor of one-half to The Sheridan Iron Works, and one-half to T. W. & C. B. Sheridan Company. Strip applying mechanism in or for bookbinding machines. 2,646,104, July 21.
Hawkins, Albert O., Kahoka, Mo., assignor to Devere Company, Racine, Wis. Reversible drive mechanism. 2,634,629, Apr. 14.
Hawkins, Charles A., deceased, and F. H. Zehrbaugh, assignors to C. A. Hawkins, Fresno, Calif.; O. C. Hawkins and M. B. Anway, coexecutors of said C. A. Hawkins. Soil treating machine. 2,649,060, Aug. 18.
Hawkins, Charles A., deceased, Fresno, and F. H. Zehrbaugh, Los Angeles, Calif.; said Zehrbaugh assignor to said Hawkins; O. C. Hawkins and M. B. Anway, coexecutors of said C. A. Hawkins. Soil treating device. 2,649,061, Aug. 18.
Hawkins, Claude M., Anderson, S. C. Sickle guard grain collecting trough. 2,649,679, Aug. 25.
Hawkins, Dawson, assignee: *See*—
Roark, Leon S.
Hawkins, Edward M., Forest, Va. Grubber. 2,650,063, Aug. 25.
Hawkins, Frederick E., Niles, R. Lapsley, Berrien Springs, and G. L. Turner, assignors to Clark Equipment Company, Buchanan, Mich. Hydraulic fluid motor-in-wheel. 2,645,298, July 14.
Hawkins, George E., Dummerston, Vt. Road treating machine. 2,644,377, July 7.
Hawkins, George H., Detroit, Mich. Pivoted closure for dispensing containers. 2,634,890, Apr. 14.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,629,091, Feb. 17.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,652,558, Sept. 15.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,652,559, Sept. 15.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,652,560, Sept. 15.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,652,561, Sept. 15.
Hawkins, James E., assignor to Seismograph Service Corporation, Tulsa, Okla. Radio location system. 2,652,562, Sept. 15.
Hawkins, James E., and W. E. Pugh, assignors to Seismograph Service Corporation, Tulsa, Okla. System and method of generating seismic waves in the earth. 2,630,188, Mar. 3.
Hawkins, James E., and R. S. Finn, assignors to Seismograph Service Corporation, Tulsa, Okla. Rectifier balancing circuit. 2,647,207, July 28.
Hawkins, James R., Deerfield, Ohio, assignor to Armour and Company, Chicago, Ill. Glue-joining and press apparatus and method of joining the ends of abrasive strips. 2,660,220, Nov. 24.
Hawkins, John, and Associates Research Laboratory, Inc., assignee: *See*—
Hawkins, John C.
Hawkins, John C., assignor to John Hawkins and Associates Research Laboratory, Inc., North Hollywood, Calif. Segmentally separable gas turbine power plant. 2,633,705, Apr. 7.
Hawkins, Odella C., co-executrix: *See*—
Hawkins, Charles A., and Zehrbaugh.
Hawkins, Paul E., Lakewood, assignor, by mesne assignments, to The Euclid Road Machinery Co., Euclid, Ohio. Seat mounting. 2,629,426, Feb. 24.
Hawkins, Sara B., Tampa, Fla. Vehicle for transporting velocipedes. 2,628,847, Feb. 17.
Hawkins, Sydney R., North Finchley, London, England. Microscope. 2,635,504, Apr. 21.
Hawkinson, Earle W., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Retread mold construction. 2,659,933, Nov. 24.
Hawkinson, Earle W., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Retread mold construction. 2,662,244, Dec. 15.
Hawkinson, Earle W., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Retread mold construction. 2,662,245, Dec. 15.
Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Earle W.
Hawkinson, Paul E.
Hawkinson, Raymond P.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Adjustable measuring device for tires. 2,636,277, Apr. 28.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire tread removing and truing device. 2,645,147, July 14.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Annular rotary work support and tire bead centering device. 2,648,937, Aug. 18.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire buffing band. 2,658,258, Nov. 10.
Hawkinson, Raymond P., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Mold for retreading pneumatic tire casings. 2,651,078, Sept. 8.
Hawks, Clio G., Minnebago, Minn. Automatic popcorn popping and dispensing machine. 2,630,058, Mar. 3.
Hawley, Amos H.: *See*—
Ernst, Hans, and Hawley.
Hawley, John L.: *See*—
Gaylard, Philip E., Hawley, and Ries.
Hawley, Mones E.: *See*—
Anderson, Leslie J., and Hawley.
Hawley Products Company, assignee: *See*—
Curtis, Russell H.
Williams, John C.
Hawley, Roger S., Linden, N. J., assignor to Standard Oil Development Company. Lubricating oil additives. 2,632,735, Mar. 24.
Haworth, John W., and M. G. Cooper, assignors to The British Oxygen Company Limited, London, England. Purification of melamine. 2,647,119, July 28.
Haworth, Leland J., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse echo range azimuth and elevation presentation. 2,630,563, Mar. 3.
Haworth, Leland J., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio direction finder. 2,631,276, Mar. 10.
Haworth, Leland J., Cambridge, Mass., assignor by mesne assignments, to the United States of America as represented by the Secretary of War. Indicator apparatus for radio object locating systems. 2,653,312, Sept. 22.
Haworth, Lionel: *See*—
Rubbra, Arthur A., and Haworth.
Haworth, Lionel, assignor to Rolls-Royce Limited, Derby, England. Control for aircraft gas-turbine power plants having variable-pitch airscrews. 2,646,847, July 28.
Haworth, Lionel, Littleover, assignor to Rolls-Royce Limited, Derby, England. Duct structure for gas-turbine engines. 2,648,353, Aug. 11.
Haworth, Lionel, and J. A. Petrie, Littleover, assignors to Rolls-Royce Limited, Derby, England. Locking arrangement for blading of axial-flow turbines and compressors. 2,660,413, Nov. 24.
Haws Refractories Company, assignee: *See*—
Fausnaught, Robert A.
Hawthorne, Charles W., Jr., Cucamonga, assignor to Mineral Wool Insulations Company, Fontana, Calif. Method and apparatus for production of mineral wool. 2,626,424, Jan. 27.
Hawthorne, Charles W., Jr., Cucamonga, and C. T. Sauers, Ontario, assignors to Mineral Wool Insulations Company, Fontana, Calif. Apparatus for the production of mineral wool. 2,626,425, Jan. 27.
Hawthorne, Edward B.: *See*—
Pattison, Wesley S., and Hawthorne.
Hawthorne, Nathaniel F., Alameda, Calif., assignor to Friden Calculating Machine Co., Inc. Carriage shifting mechanism. 2,644,639, July 7.
Hawtin, Selwyn G.: *See*—
Taylor, William I., and Hawtin.
Hay, Claude S., assignee: *See*—
Higgins, Earl H.
Hay, Dana P., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,629,353, Feb. 24.
Hay, Daniel C., Santa Monica, Calif. Plunger type lock. 2,625,812, Jan. 20.
Hay, John O., Bratenahl, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Purification of alkali metal halides. 2,640,755, June 2.
Haycock, Harold J., assignee: *See*—
Stainton, Dudley E.
Hayden, Arthur A., Kenosha, Wis., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor deicer. 2,655,141, Oct. 13.
Hayden, David H., Sarasota, Fla., assignor to Beach & Shore, Inc., New York, N. Y. Protection of beaches from erosion. 2,639,587, May 26.
Hayden, David H., Sarasota, Fla., assignor, by mesne assignments, to Beach & Shore, Inc., New York, N. Y. Breakwater construction. 2,652,692, Sept. 22.
Hayden, Edward: *See*—
Zeller, Lawrence, and Hayden.
Hayden, Edward E., assignor to California Wire Products Co., Inc., Visalia, Calif. Gas valve. 2,659,385, Nov. 17.
Hayden, Ernest A., Callahan, Calif. Clipper and mower attachment for chain saws. 2,642,901, June 23.
Hayden, George D., assignor to Hayden Twist Drill Company, Detroit, Mich. Expansible drill. 2,660,075, Nov. 24.
Hayden, Ralph W.: *See*—
Nelson, Clinton G., and Hayden.
Hayden Twist Drill Company, assignee: *See*—
Hayden, George D.
Haydon, Arthur W., Cheshire, Conn., assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Electrical apparatus. 2,625,661, Jan. 13.
Haydon Manufacturing Company, Inc., assignee: *See*—
Poole, Arthur B.
Haydu, Bartley A., Detroit, Mich. Umbrella runner cap. 2,635,616, Apr. 21.
Hayek, Arthur F., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Spring claw intermittent movement. 2,631,493, Mar. 17.
Hayes, Alfredo E.: *See*—
Di Rosa, Angel and C., and Hayes.

Hayes, Andrew P., San Francisco, Calif. Reel for leashes. 2,647,703, Aug. 4.
Hayes, Austin C., Melcher, Iowa. Antenna system. 2,636,122, Apr. 21.
Hayes, Clyde B., Wolcott, assignor of two-thirds to H. Fleisher, Watertown, Conn., M. Doft, Cedarhurst, N. Y., and H. Wilson, Watertown, Conn. Multifilament-responsive thread break detector. 2,648,961, Aug. 18.
Hayes, Dale D., assignor of one-half to P. L. Shadburn, Greensboro, N. C. Cigarette package and matchbook container. 2,649,192, Aug. 18.
Hayes, Dudley W.: *See*—
Boyce, John, and Hayes.
Hayes, Frank, assignor to Noble & Wood Machine Company, Hoosick Falls, N. Y. Paper stock distributor for beaters. 2,630,044, Mar. 3.
Hayes Industries, Inc., assignee: *See*—
Cary, Beecher B.
Hayes, Kenyon J., assignor to Eaton Laboratories, Inc., Norwich, N. Y. Series of nitrofuran compounds comprising 5-nitro-2-furyl 2-dialkylaminoalkyl ketone semicarbazone salts. 2,663,710, Dec. 22.
Hayes, Loren A., and W. C. Swancott, Elyria City, Ohio, assignors to United States Steel Corporation. Pipe testing head assembly. 2,655,182, Oct. 13.
Hayes, Lucille C., assignee: *See*—
Cumfer, Harry A.
Hayes, Luther, Bellflower, Calif. Tethered toy airplane control. 2,658,305, Nov. 10.
Hayes Manufacturing Corporation, assignee: *See*—
Nelson, August L.
Hayes, Melberne L., Oak Park, assignor to National Video Corporation, Chicago, Ill. Envelope treating apparatus, particularly glass envelopes for cathode-ray tubes. 2,652,842, Sept. 22.
Hayes, Robert R., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Co. Electric motor frame having coolant system incorporated therein. 2,627,582, Feb. 3.
Hayes, Stanley A., Pasadena, Calif. Back flow preventer. 2,646,063, July 21.
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Metal-working apparatus. 2,660,128, Nov. 24.
Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Railroad track appliance. 2,663,526, Dec. 22.
Hayes, Thomas E., Orrville, Ohio, assignor to Hagan Corporation, Pittsburgh, Pa. Multivibrator tube circuits. 2,639,858, May 26.
Hayes, Thomas E., Washington, D. C. Counter mechanism for determining fractional multiples of predetermined counts. 2,635,811, Apr. 21.
Hayes, Thomas E., Washington, D. C. Paper money counting machine. 2,638,344, May 12.
Hayes Track Appliance Company, assignee: *See*—
Hayes, Stanley W.
Hayes, Tyler K.: *See*—
Lindner, Ralph L., and Hayes.
Hayes, William B., Los Angeles, Calif. Device for rocking cribs. 2,645,790, July 21.
Hayner, De Eldon E., Floral Park, N. Y. Metal awning or shutter. 2,654,425, Oct. 6.
Haynes, Alex L., Detroit, and V. G. Raviolo, assignors to Ford Motor Company, Dearborn, Mich. Radiator construction. 2,628,079, Feb. 10.
Haynes, Charles L.: *See*—
Wansink, Leo P., and Haynes.
Haynes, Clyde H., Elyria, Ohio. Electrical heating device. 2,640,906, June 2.
Haynes, Clyde H., Elyria, Ohio. Automobile bumper guard jack. 2,642,304, June 16.
Haynes, James B., assignee: *See*—
Conley, Meredith S.
Haynes, John: *See*—
Haynes, Phillip J., R., and J.
Haynes, Joseph E., Baltimore, Md. Adjustable sash and frame. 2,649,628, Aug. 25.
Haynes, Lester N., Livingston, Tex. Brush saw. 2,624,380, Jan. 6.
Haynes, Nathan M., Far Rockaway, N. Y. Magnetic recording apparatus. 2,628,287, Feb. 10.
Haynes, Nathan M., New York, N. Y. Slipping clutch. 2,643,531, June 30.
Haynes, Nathan M., New York, N. Y. Magnetic tape recorder. 2,652,204, Sept. 15.
Haynes, Phillip J., R., and J., Detroit, Mich. Racing game apparatus. 2,631,853, Mar. 17.
Haynes, Ray: *See*—
Haynes, Phillip J., R., and J.
Haynes, Stephen S., Towson, assignor to Bendix Aviation Corporation, Baltimore, Md. Portable recorder. 2,657,969, Nov. 3.
Haynes, Thomas A., Wyandotte, assignor to The Upjohn Company, Kalamazoo, Mich. Inserting stoppers into bottles. 2,656,086, Oct. 20.
Haynie, Earl L., Berwyn, Ill. Motor fuel selector assembly. 2,647,566, Aug. 4.
Haynie, Earl L., Berwyn, Ill. Attachment for carburetors. 2,647,735, Aug. 4.
Haynie, Earl L., Berwyn, Ill. Throttle safety attachment. 2,657,757, Nov. 3.
Hays Corporation, The, assignee: *See*—
Richardson, Robert D.
Richardson, Robert D., and Bailey.
Hays, David, Milford, Conn. Danger sign. 2,635,375, Apr. 21.
Hays, Glenn G., Ransom, Kans. Wire stretcher. 2,634,093, Apr. 7.
Hays, Hugh E., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Yarn twist-detecting and arresting device. 2,635,831, Apr. 21.
Hays, James B., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fault detector. 2,651,021, Sept. 1.
Hays Manufacturing Company, assignee: *See*—
Bradbury, James G.
Dickason, Nolan E.
Miller, Wesley G.
Hayter, Richard J., North Hollywood, Calif. Egg-grading machine. 2,645,344, July 14.
Haythornthwaite, James J., assignor of one-half to Howard and Bullough Limited, Accrington, England. Motion converting means. 2,625,049, Jan. 13.
Haythornthwaite, James J., Accrington, assignor to T. M. M. (Research) Limited, Helmshore, Rossendale, England. Doffing mechanism for ring spinning, doubling, and twisting machines. 2,648,947, Aug. 18.
Haythornthwaite, James J., assignor of one-half to Howard and Bullough Limited, Accrington, England. Textile spinning and analogous machinery. 2,656,989, Oct. 27.
Haythornthwaite, James J., and V. G. Pinner, Accrington, assignors to T. M. M. (Research) Limited, Rossendale, England. Textile spinning, doubling, and twisting. 2,638,733, May 19.
Haythornthwaite, James J., and J. Calvert, Accrington, assignors to T. M. M. (Research) Limited, Helmshore, Rossendale, England. Means for supporting and loading the top rollers of textile drafting apparatus. 2,644,988, July 14.
Haythornthwaite, James J., and T. Haighton, Accrington, assignors to T. M. M. (Research) Limited, Rossendale, England. Donning mechanism for ring spinning, doubling, and twisting machines. 2,658,325, Nov. 10.
Haythornthwaite, James J., Accrington, assignor to T. M. M. (Research) Limited, Hemshore, Rossendale, England. Doffing mechanism for ring spinning, doubling, and twisting machines. 2,661,589, Dec. 8.
Hayward, Arthur S.: *See*—
Scott, Richard H., and Hayward.
Hayward, Cyril, Tarentum, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of DDT. 2,656,396, Oct. 20.
Hayward, Frank W., Takoma Park, and C. J. Zablocki, Silver Spring, Md. High-speed camera. 2,645,169, July 14.
Hayward, John A., Claremont, N. H., assignor to Joy Manufacturing Company. Cuttings removing mechanism. 2,640,690, June 2.
Hayward, John T., Tulsa, Okla. Weight on bit indicators. 2,651,198, Sept. 8.
Hayward, John T., and P. A. Wolff, Tulsa, Okla. Liquid level rate of change indicating device. 2,627,178, Feb. 3.
Hayward, Roger, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Army. Panoramic telescope device. 2,625,853, Jan. 20.
Hayward, Roger, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Army. Panoramic binocular telescope. 2,625,854, Jan. 20.
Haywood, Harold D., Vancouver, British Columbia, Canada. Refrigerating storage apparatus. 2,644,317, July 7.
Hazel, James F.: *See*—
Wills, John H., and Hazel.
Hazelett, Clarence W., Greenwich, Conn. Metal manufacturing apparatus. 2,640,235, June 2.
Hazeltine, Alan, Maplewood, N. J., assignor to Hazeltine Research, Inc., Chicago, Ill. System for generating scanning currents. 2,646,526, July 21.
Hazeltine, Alan, Maplewood, N. J., assignor to Hazeltine Research, Inc., Chicago, Ill. System for generating a periodic scanning current. 2,646,532, July 21.
Hazeltine, James E., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Felt base floor covering and method of making the same. 2,624,682, Jan. 6.
Hazeltine Research, Inc., assignee: *See*—
Concelman, Carl W.
De Cola, Rinaldo E.
Hazeltine, Alan.
Hirsch, Charles J.
Jackson, Patrick J.
James, Emrys G., and Lindell.
Loughlin, Bernard D.
McIlwain, Knox.
Richman, Donald.
Hazelton, Charles L., North Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Filter testing device. 2,638,688, May 19.
Hazelton, George, Leicester, assignor to Clutsom & Kemp Limited, Coalville, England. Weaving loom with stationary weft supply. 2,654,398, Oct. 6.

Hazen, Frank D., Pittsburgh, Pa., assignor to M. H. Detrick Company, Chicago, Ill. Suspended arch tile structure. 2,634,694, Apr. 14.
Hazen, Gretzolon L., assignor to James Manufacturing Company, Fort Atkinson, Wis. Swine feeder. 2,644,425, July 7.
Hazen, Lysle L., assignor to Enterprise Machine Parts Corporation, Detroit, Mich. Automatic take-up steady rest. 2,655,828, Oct. 20.
Hazlett, Frank P., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Purification of aromatic hydrocarbons. 2,639,304, May 19.
Hazlett, William A.: *See*—
Wolman, Abel, and Hazlett.
Hazlett, William A., Baltimore, Md. Pressure operated collapsible valve. 2,641,282, June 9.
Hazzard, Joseph F., and G. R. Brusseau, Minneapolis, Minn. Attachment for line casting machines. 2,648,426, Aug. 11.
Head, James D.: *See*—
Britton, Edgar C., and Head.
Head, James D., assignor to The Dow Chemical Company, Midland, Mich. Deesterification of aromatic compounds. 2,639,298, May 19.
Head, Norman E.: *See*—
Farren, Leslie I., Head, and Levy.
Head, Robert C., Glendale, assignor to The Procter & Gamble Company, Ivorydale, Ohio. Oxidative fixing composition. 2,633,447, Mar. 31.
Heagerty, Donald D., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Pivoted self-aligning valve. 2,660,396, Nov. 24.
Heal, Byron F., Waukesha, Wis. Mow hay drier. 2,656,783, Oct. 27.
Heal, Paul E., assignor to The Pure Oil Company, Chicago, Ill. Advertising display device for tires. 2,654,168, Oct. 6.
Heal, Paul E., assignor to The Pure Oil Company, Chicago, Ill. Gauge. 2,662,295, Dec. 15.
Heald Machine Company, The, assignee: *See*—
Blood, Harold L.
Hahn, Robert S.
Menard, Clifford G., and McCabe.
Yingst, Cyrus S.
Healey, William, Philadelphia, Pa. Elevator door interlock. 2,626,018, Jan. 20.
Healthomatic Corporation, assignee: *See*—
Brockman, Emory W.
Healy, Francis P.: *See*—
Allen, Edward A., and Healy.
Healy, Frank L., Dongan Hills, and J. J. Connors, Brooklyn, N. Y., assignors to Todd Shipyards Corporation. Fire prevention system for fuel tanks. 2,625,298, Jan. 13.
Healy, Joseph F., Westport, assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Cord clamp for electrical devices. 2,636,918, Apr. 28.
Healy, Maurice F., Watertown, Mass., assignor to United States of America as represented by the Secretary of War. Loading mechanism for mortars. 2,643,582, June 30.
Healy, Montie M., Flint, Mich. Egg substitute admixture and producing the same. 2,628,904, Feb. 17.
Heap, Kenneth T.: *See*—
Garner, Silver F., and Heap.
Heap, Robert: *See*—
Hadley, David J., and Heap.
Jacobs, David I. H., Hadley, and Heap.
Heaps, John M., Trail, British Columbia, and B. Houlden, Rossland, British Columbia, assignors to The Consolidated Mining and Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Wind box for sintering machines. 2,662,763, Dec. 15.
Heaps, Stanley N.: *See*—
Loper, George B., and Heaps.
Heard, Llewellyn, Hammond, Ind., and M. J. Den Herder, assignors to Standard Oil Company, Chicago, Ill. Solubilized platinum sulfide reforming catalyst. 2,659,701, Nov. 17.
Hearne, George W.: *See*—
Lacomble, Antoine E., Hearne, and La France.
Hearns, Harold L.: *See*—
Mason, Robert S., Graham, and Hearns.
Heathath Appliances, Inc., assignee: *See*—
Du Fault, Homer D.
Kuhn, William J.
Heath, Barrie, Barming, near Maidstone, assignor to Hobourn Aero Components Limited, Strood, Rochester, England. Loom picking motion. 2,649,118, Aug. 18.
Heath, Clarence W., Bleasby, England, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Fuse holder. 2,648,740, Aug. 11.
Heath, Donald P., Delaware Township, Camden County, N. J., assignor to Socony-Vacuum Oil Company, Incorporated Jet combustion device embodying pretreatment of fuel before combustion. 2,628,475, Feb. 17.
Heath, Frank R.: *See*—
Simonis, Edward A., and Heath.
Heath, Howard R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for measuring resistance. 2,651,751, Sept. 8.
Heath, Jack V., Vivian, S. Dak. Baby trainer chamber. 2,663,861, Dec. 22.
Heath, Paul D., Syracuse, N. Y., assignor to General Electric Company. Angular modulating system. 2,650,350, Aug. 25.
Heath, Robert J.: *See*—
Glass, John, Jr., Heath, and Woller.
Heath, Ronald W., Long Beach, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Absorption method for separating hydrocarbon gases. 2,640,008, May 26.
Heath, Ronald W., Long Beach, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Steam distillation. 2,640,018, May 26.
Heath, Theodore H., assignor of forty-nine per cent to J. Pentony, Philadelphia, Pa. Push button automobile engine ignition and starter system. 2,650,989, Sept. 1.
Heath, William B., New Bedford, assignor to American Optical Company, Southbridge, Mass. Device for heating and shaping or altering the parts of an ophthalmic mounting. 2,661,645, Dec. 8.
Heath, William C., La Mesa, assignor to Solar Aircraft Company, San Diego, Calif. Internal-combustion turbine with self-cooling vanes. 2,636,344, Apr. 28.
Heath, William C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrically welded hollow steel propeller blade and making same. 2,643,725, June 30.
Heath, William R., assignor to Buffalo Forge Company, Buffalo, N. Y. Fan housing. 2,642,219, June 16.
Heatilator, Inc., assignee: *See*—
James, Paul W., and Reynolds.
Heavens, John E., Jr., Seymour, assignor to The Star Pin Company, Derby, Conn. Bobby pin container. 2,647,524, Aug. 4.
Hebard, Glen G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Self-aligned lubricating stuffing box. 2,628,112, Feb. 10.
Heberlein, Georg, heir, administrator: *See*—
Heberlein, Georges and Georg, Weiss, Risch, and Odinga.
Heberlein, Georges, deceased, by Georg Heberlein, heir and administrator, G. Heberlein, E. Weiss, K. Risch, and T. Odinga, deceased, Wattwil, by H. Odinga, heir and administrator, Zurich, Switzerland, assignors to Heberlein Patent Corporation, New York, N. Y. Apparatus for imparting false twist to yarn. 2,655,781, Oct. 20.
Heberlein, Gustave E., Bryn Mawr, assignor, by mesne assignments, to I-T-E Circuit Breaker Company, Philadelphia, Pa. Blade assembly for disconnect switches. 2,658,964, Nov. 10.
Heberlein Patent Corporation, assignee: *See*—
Heberlein, Georges and Georg, Weiss, Risch, and Odinga.
Hebl, Loraine E., Freeport, N. Y. Combustion severity indicator. 2,630,009, Mar. 3.
Hechenbleikner, Ingenuin: *See*—
Kaiser, Donald W., and Hechenbleikner.
Hecht, Elmer R., Lakefield, Minn. License plate fastening device. 2,654,933, Oct. 13.
Hecht, Gerhard, Wuppertal-Vohwinkel, H. Henecka, Wuppertal-Elberfeld, and M. Meisenheimer, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany. Rodenticidal compositions. 2,650,186, Aug. 25.
Hecht, John R., Vancouver, British Columbia, Canada. Sawdust drying apparatus. 2,639,911, May 26.
Heck, Albert F.: *See*—
Robinson, Eli A., and Heck.
Heck, James R.: *See*—
Singel, John B., Leister and Heck.
Heck, John, Sr., San Diego, Calif. Pole carrier for vehicle bodies. 2,634,034, Apr. 7.
Heck, Lewis O., London, England. Indicator. 2,638,272, May 12.
Heck, Matthew D., assignor of one-half to V. L. Potter, Amarillo, Tex. Nut-ejector type socket wrench. 2,627,775, Feb. 10.
Heckathorn, Loyd E.: *See*—
Rapp, Howard B., and Heckathorn.
Heckathorn, Loyd E., assignor to Towner Manufacturing Co., Santa Ana, Calif. Multiple hitch for offset disk harrows. 2,630,662, Mar. 10.
Heckathorn, Loyd E., Garden Grove, assignor to Towner Manufacturing Co., Santa Ana, Calif. Variable tread earthworking implement with frame leveling means. 2,664,039, Dec. 29.
Heckendorf, Howard A., Chicago, Ill., assignor to International Harvester Company. Power washing cream separator. 2,654,536, Oct. 6.
Hecker, Arthur C.: *See*—
Leistner, William E., and Hecker.
Hecker, Harvard K., Clayton, Mo., assignor to Curtis Manufacturing Company. Lifting device. 2,641,514, June 9.
Hecker, Harvard K., University City, assignor to Curtis Manufacturing Company, St. Louis, Mo. Lifting device. 2,649,933, Aug. 25.
Hecker, Harvard K., University City, assignor to Curtis Mfg. Company, St. Louis, Mo. Lifting device. 2,658,586, Nov. 10.
Hecker, John C., and J. E. Moore, Collinsville, Ill. Cloth folding shuttle. 2,629,299, Feb. 24.
Heckmaier, Joseph: *See*—
Gruber, Wolfgang, Heckmaier, and Zoebelein.

Heckman, George J., Longmeadow, Mass., and E. M. Paterwic, Thompsonville, Conn., assignors to Gilbert-Barker Manufacturing Company, West Springfield, Mass. Control for apparatus for dispensing compressed fluid in pulses. 2,663,310, Dec. 22.

Hedbäck, Tore J.: *See*—
Dalin, David, and Hedbäck.

Hedberg, Albert F., and E. Langner, assignors to Crane Co., Chicago, Ill. Combined tool for machining guide ribs. 2,624,243, Jan. 6.

Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Gas cooling contact apparatus. 2,654,584, Oct. 6.

Hedberg, Victor A., Jr., assignor to Scovill Manufacturing Company, Waterbury, Conn. Coupling construction. 2,641,489, June 9.

Hedeen, Donald K.: *See*—
Smith, Kenneth A., and Hedeen.

Hedelund, John W.: *See*—
Frevel, Ludo K., and Hedelund.

Hedenskoog, Ernest, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company. Bowling ball rack. 2,633,359, Mar. 31.

Hedges, Charles S.: *See*—
Lime, Ermal J., and Hedges.

Hedges, Robert O.: *See*—
Getz, Delmond L., and Hedges.

Hedler, Edwin C., Chicago, Ill. Mechanical push-type lead pencil. 2,626,592, Jan. 27.

Hedlund, Oscar, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Machine for making and forming turbine blades. 2,654,277, Oct. 6.

Hedman, Gustave H., Kenmore, assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y. Cutter spacing checker. 2,637,908, May 12.

Hedquist, Milton T., K. Harroun, D. D. Mayhew, A. Van De Sampel, and A. J. Whalen, Rock Island, Ill., assignors to J. I. Case Company. Two-way tractor mounted plow. 2,641,171, June 9.

Hedrick, Herman B., Jonesville, Va. Letter opener. 2,649,656, Aug. 25.

Hedrick, Ross M.: *See*—
Mowry, David T., and Hedrick.

Hedrick, Ross M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Ethylene sulfonyl fluoride and its preparation. 2,653,973, Sept. 29.

Hedrick, Ross M., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Conditioning soils. 2,625,529, Jan. 13.

Hedrick, Ross M., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Pelleted seed product. 2,651,883, Sept. 15.

Hedrick, Ross, M., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Conditioning agricultural soil and growing plants therein. 2,651,885, Sept. 15.

Hedrick, Ross M., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,652,322, Sept. 15.

Hedrick, Ross M., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Soil additive. 2,652,379, Sept. 15.

Hedstrom, Gustav V.: *See*—
Wahlberg, Nils E., and Hedstrom.

Hedstrom, Harold, Denville, N. J. Sheet cutting tool. 2,632,950, Mar. 31.

Hedstrom, Otto: *See*—
Black, James, and Hedstrom.

Hedström, Sven E.: *See*—
Almström, Knut, Garde, Hedström, and Brodersen.
Landau, Frans, Carlsson, and Hedström.

Heedrick, Ross M., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Soluble calcium salt of a copolymer of vinyl acetate and a mono-ester of maleic acid. 2,652,380, Sept. 15.

Heehler, Arthur C., assignor to The Pyle-National Company, Chicago, Ill. Flexible drive coupling for a warning light apparatus. 2,632,151, Mar. 17.

Heehler, Arthur C.: *See*—
McDowell, Thomas E., and Heehler.

Heehler, Arthur C., assignor to The Pyle-National Company, Chicago, Ill. Shockproof mounting for warning lights. 2,645,762, July 14.

Heehler, Arthur C., assignor to The Pyle-National Company, Chicago, Ill. Railway warning light control system. 2,645,763, July 14.

Heehler, Arthur C., assignor to The Pyle-National Company, Chicago, Ill. Combination warning light and stationary headlight. 2,654,875, Oct. 6.

Heehler, Arthur C., Chicago, and T. E. McDowell, Oak Park, assignors to The Pyle-National Company, Chicago, Ill. Position adjustment locking device for warning lights. 2,637,840, May 5.

Heekin, Walter V., Mariemont, Ohio. Fertilizing garden tool. 2,635,566, Apr. 21.

Heer, Jules: *See*—
Miescher, Karl, Wettstein, and Heer.

Heere, Peter N., South Plainfield, N. J. Apparatus for equalizing distribution in packed columns. 2,639,130, May 19.

Heeren, Vernon L., Waverly, Iowa. Automatic gain control circuit. 2,655,596, Oct. 13.

Hees, George: *See*—
Jacobs, Harold, and Hees.
Jacobs, Harold, Hees, and Wolk.

Heesen, Leonardus B., Amsterdam, Netherlands. Apparatus for preparing foam-like substances such as whipped cream. 2,654,585, Oct. 6.

Heffelfinger, Robert D., Lansdowne, assignor to American Viscose Corporation, Philadelphia, Pa. Strand tensioning device. 2,646,942, July 28.

Heffelfinger, Robert D., Lansdowne, assignor to American Viscose Corporation, Philadelphia, Pa. Strand tensioning device. 2,646,944, July 28.

Heffernan, Arthur F.: *See*—
Swanson, Alma, and Heffernan.

Heffner, Joseph B., Jr., Upper Darby, Pa., assignor to Radio Corporation of America. Radio direction finder. 2,635,232, Apr. 14.

Hefner, Calvin Q., Sublette, Kans. Hydraulic tractor drawbar pounds pull tester. 2,640,353, June 2.

Hefner, Fred L.: *See*—
Reinhardt, Robert C., and Hefner.

Hegedüs, Ede, Zurich, Switzerland, assignor, by mesne assignments, to The Warner & Swasey Company, Cleveland, Ohio. Twisting device. 2,659,193, Nov. 17.

Hegeman, Franklyn P., Union, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,660,006, Nov. 24.

Heger, Guillaume, Paris, France. Apparatus for a percutaneous treatment. 2,655,145, Oct. 13.

Heggie, James, Clydebank, Scotland, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine for stitching leather cases. 2,652,014, Sept. 15.

Hegler, James H., Jr., Cleveland, Ohio. Bait clamp. 2,659,996, Nov. 24.

Hehemann, Frederick H., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Valve handle. 2,635,482, Apr. 21.

Hehn, Louis F., assignor to Mills Industries, Incorporated, Chicago, Ill. Coin selector. 2,630,200, Mar. 3.

Hehn, Louis F., assignor to Mills Industries, Incorporated, Chicago, Ill. Coin changer. 2,655,243, Oct. 13.

Heibel, Jerome D., assignor to Erie Resistor Corporation, Erie, Pa. Tube socket. 2,625,582, Jan. 13.

Heiber, George E., assignor to Landis Machine Company, Waynesboro, Pa. Metal-working machine. 2,660,738, Dec. 1.

Heiberg, Joseph F., Willmar, Minn. Aerated oscillatory clothes hamper. 2,653,758, Sept. 29.

Heiberger, Charles A., assignor to Ohio-Apex, Inc., Nitro, W. Va. Preparing aralkyl carbonates. 2,648,678, Aug. 11.

Heiberger, Charles A., assignor to Ohio-Apex, Inc., Nitro, W. Va. Making organic carbonate. 2,648,697, Aug. 11.

Heidecke, Reinhold, assignor to Franke & Heidecke, Fabrik Photographischer Präzisions-Apparate, Braunschweig, Germany. Film guide structure for photographic cameras. 2,645,170, July 14.

Heidegger, Henry F., Glen Ridge, assignor to International Projector Corporation, Bloomfield, N. J. Sprocket fastening means. 2,638,366, May 12.

Heidenwolf, Hermann, Neumarkt, Steiermark, assignor to Lapp - Finze Eisenwarenfabriken - Aktiengesellschaft, Kalsdorf (Graz), Austria. Apparatus for measuring temperature. 2,642,742, June 23.

Heidmann, Léon, Jeumont, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Electric locomotive. 2,638,056, May 12.

Heidmann, Leon, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Equipment for automatically controlling single phase motors. 2,664,536, Dec. 29.

Heidner, Richard C.: *See*—
Kircher, Ralph N., Heidner, and Burkett.

Heidner, Richard C., Hartford, and H. D. Palmer, assignors to West Bend Aluminum Co., West Bend, Wis. Control mechanism for outboard motors. 2,644,419, July 7.

Heidrich, John, Los Angeles, Calif. Pill injector. 2,643,653, June 30.

Heidrich, Stephen L., Brooklyn, N. Y. Acoustic device with an inverted horn having a throat vented to the atmosphere. 2,642,947, June 23.

Heigis, Henry E., Nutley, assignor to Specialties Development Corporation, Belleville, N. J. Fluid dispensing system. 2,630,867, Mar. 10.

Heigl, John J.: *See*—
Jonach, Fredrick L., Wilson, and Heigl.

Heigl, John J., Cranford, N. J., assignor to Standard Oil Development Company. Multicomponent gas analyzer. 2,642,536, June 16.

Heigl, John J., Cranford, N. J., assignor to Standard Oil Development Company. Tank gauging apparatus. 2,651,938, Sept. 15.

Heijligers, Joris D., administrator: *See*—
Clay, Pieter H.
Van Heeckeren, Willem J., and Clay.

Heijne den Bak, Carel W., and R. R. Laupman, Rhenen, Netherlands. Producing articles from rubber. 2,641,023, June 9.

Heijnis, James W. I., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Tension device. 2,637,511, May 5.

Heikes, Norman L., San Pablo, assignor to W. K. Rosenberry, doing business as Berkeley Scientific Company, Richmond, Calif. Equalizing and mixing valve. 2,628,782, Feb. 17.

Heikes, Norman L., San Francisco, and R. J. Stahl, Redwood City, assignors to Color Television Incorporated, San Francisco, Calif. Color television apparatus. 2,630,485, Mar. 3.

Heikin, Abraham, Philadelphia, Pa. Moisture impervious absorbent sheet for covering work surfaces in chemical laboratories and the like. 2,654,684, Oct. 6.

Heikkila, Sylvia S.: *See*—
Tewksbury, Lyndon B., Jr., and Heikkila.

Heil, Bernard R., Los Angeles, Calif. Drill guide. 2,625,062, Jan. 13.

Heiland, Carl A., Denver, Colo. Apparatus for aerogravimetric prospecting. 2,626,525, Jan. 27.

Heiland, Carl A., Denver, Colo. Method of and apparatus for aeromagnetic prospecting. 2,659,859, Nov. 17.

Heiland Research Corporation, assignee: *See*—
Haraden, George A.
Hulstein, Neal S.
McCammon, Robert F.

Heilbron, Ian, A. H. Cook, and A. L. Levy, assignors to Beecham Research Laboratories Limited, London, England. Process for the manufacture of organic nitrogen-containing compounds. 2,638,467, May 12.

Heilbronner, Harry S., assignor to The Perry Knitting Company, Inc., Perry, N. Y. Stretchable foot covering. 2,636,287, Apr. 28.

Heilbronner, Harry S., Perry, N. Y. Garment. 2,642,570, June 23.

Heilig, Theodore, assignee: *See*—
Saacke, G. Rudolph.

Heilman, Bernard, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., Wrapping machine. 2,651,900, Sept. 15.

Heilman, Raymond B., W. F. Nolan and R. C. Binder, Butler, Pa., assignors to Armco Steel Corporation, Middletown, Ohio. Correcting apparatus for strip operations. 2,630,319, Mar. 3.

Heilman, Rose, Baxter Springs, Kans. Recipe file. 2,650,594, Sept. 1.

Heilmann, Edmund: *See*—
Arnold, Erich, Heilmann, and Vollmer.

Heilmann, Thorbjorn, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for burning fuel. 2,653,810, Sept. 29.

Heilpern, Walter G., Zurich, and E. Vogt, Wallisellen, assignors to Societe Technique pour l'Industrie Nouvelle S. A., "Stin," Vevey, Switzerland. Radar system. 2,647,256, July 28.

Heim, Charles C., deceased, late of Spokane, Wash., by Pauline B. Heim, executrix, Essex Junction, Vt., assignor to Kaiser Aluminum and Chemical Corporation, Oakland, Calif. Producing aluminum carbide. 2,640,760, June 2.

Heim Company, The, assignee: *See*—
Heim, Lewis R.

Heim, Jacob G., San Gabriel, assignor to The Calpat Corporation, Los Angeles, Calif. Safe dispensing container. 2,632,280, Mar. 24.

Heim, Jacob G., San Gabriel, Calif. Nondrip fluid dispensing vessel. 2,664,230, Dec. 29.

Heim, Lewis R., assignor to The Heim Company, Fairfield, Conn. Ball bearing. 2,653,064, Sept. 22.

Heim, Lewis R., assignor to The Heim Company, Fairfield, Conn. Sweepstick. 2,662,557, Dec. 15.

Heim, Pauline B., executrix: *See*—
Heim, Charles C.

Heiman, Samuel, assignor to Philadelphia Rust-Proof Co., Philadelphia, Pa. Method and composition for coating aluminum with tin. 2,624,684, Jan. 6.

Heiman, Sidney J., St. Louis, Mo. Cabinet-enclosed window ventilating fan. 2,634,906, Apr. 14.

Heiman, Sidney J., St. Louis, Mo. Forced air space heater with air-cooled motor. 2,647,506, Aug. 4.

Heimann, Heinrich, New York, and I. Shur, Floral Park, assignors to Waldes Kohinoor, Inc., Long Island City, N. Y. Slide fastener. 2,660,774, Dec. 1.

Heimberg, Karl, Mulheim (Ruhr), assignor to Compagnie Generale des Conduits d'Eau, Les Vennes-Liege, Belgium. Manufacturing basic steel. 2,646,351, July 21.

Heimbuch, Elmer F., assignor to Brummer Manufacturing Corporation, Chicago Heights, Ill. Seal for shafts. 2,635,907, Apr. 21.

Heimers, Rudolph H., Coronado, Calif. Violin rest. 2,651,961, Sept. 15.

Heimos, Milton J.: *See*—
Belcher, Daniel, Williams, and Heimos.

Heimsch, Robert A.: *See*—
Emerson, William S., and Heimsch.

Hein, August E., and W. H. Klausing, assignors to The Century Machine Company, Cincinnati, Ohio. Dough divider. 2,652,790, Sept. 22.

Hein, Charles E.: *See*—
Riopelle, Earl F., and Hein.

Hein, George N., Jr., San Carlos, Calif. Hypodermic injection apparatus. 2,635,602, Apr. 21.

Hein, George N., Jr., San Carlos, Calif. Injection apparatus. 2,653,603, Sept. 29.

Hein, George N., Jr., San Carlos, Calif. Injection device. 2,653,604, Sept. 29.

Hein, George N., Jr., San Carlos, Calif. Injection device and ampoule. 2,653,605, Sept. 29.

Hein, Harold W.: *See*—
Harstick, William H., and Hein.

Hein, Harold W., Chicago, Ill., assignor to International Harvester Company. Flow measuring device for pipe line systems. 2,625,041, Jan. 13.

Hein, Harold W., Chicago, Ill., assignor to International Harvester Company. Milk releaser. 2,625,133, Jan. 13.

Hein, Harold W., Chicago, Ill., assignor to International Harvester Company. Claw for milking machines. 2,651,290, Sept. 8.

Hein, Harold W., Chicago, Ill., assignor to International Harvester Company. Signaling device for vacuum milking machines. 2,660,976, Dec. 1.

Hein, Henry, Pittsburgh, Pa. Window shade bracket. 2,645,445, July 14.

Heindel, Herbert H.: *See*—
Holmes, Burton F., and Heindel.

Heindlhofer, Kalman, assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Separating device. 2,638,177, May 12.

Heine, Richard W., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Manufacture of malleablized white cast iron. 2,651,570, Sept. 8.

Heinecke, Hilary J., assignor to Manifold Hot Spot Corporation, Ripon, Wis. Heat exchange insert for engine manifolds. 2,651,507, Sept. 8.

Heinecke, William, and S. A. Herman, New York, N. Y., said Heinecke assignor to said Herman. X-ray film. 2,630,534, Mar. 3.

Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Antisurge control for refrigeration compressors. 2,661,145, Dec. 1.

Heineman, Harold H.: *See*—
Rogers, Thomas H., Jr., and Heineman.

Heinje, Robert F., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Trailer hitch for hay balers. 2,634,675, Apr. 14.

Heinje, Robert F., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Supporting means for swingable material handling ducts. 2,640,566, June 2.

Heinlein, John L.: *See*—
Rogers, Clifford R., Kolzing, and Heinlein.

Heinn Company, The, assignee: *See*—
Panfil, Conrad J., Sr.

Heinrich, Helen W., Little Rock, Calif. Preserving avocados. 2,641,548, June 9.

Heinrich, Helmut G., Dayton, Ohio. Governor for automatic opening control of parachutes. 2,626,117, Jan. 20.

Heinrich, Oswald X., Philadelphia, Pa. Apparatus for centrifugal separation of suspended particles. 2,662,610, Dec. 15.

Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of high viscosity olefin polymers. 2,631,176, Mar. 10.

Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Lubricating oil composition of high viscosity and preparing same. 2,664,436, Dec. 29.

Heinrich, Robert C., Racine, Wis. Actuating means for advancing and locking jaws of vises and like fixtures. 2,638,804, May 19.

Heins, Harold, Dorchester, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultrahigh-frequency switch tube. 2,625,668, Jan. 13.

Heins, Harold, Dorchester, assignor to Sylvania Electric Products Inc., Salem, Mass. Crystal amplifier. 2,646,609, July 28.

Heintz, James C., deceased, Lakewood, Ohio; The Cleveland Trust Company, executor of the said James C. Heintz. Tire mold. 2,638,629, May 19.

Heintz, James C., deceased, Lakewood, Ohio; The Cleveland Trust Company, executor. Cooling castings over sizing forms. 2,656,593, Oct. 27.

Heintz, James C., deceased, Lakewood, Ohio; The Cleveland Trust Company, executor. Siping tire and apparatus therefor. 2,660,767, Dec. 1.

Heintz, James C., Jr., Lakewood, Ohio. Brake shoe bonder. 2,655,974, Oct. 20.

Heintz, James C., Jr., Lakewood, Ohio. Apparatus and method for adhesively bonding friction lining to brake shoes. 2,655,975, Oct. 20.

Heintz, James C., & Company, Inc., assignee: *See*—
Holmes, Jack.

Heintz Manufacturing Company, assignee: *See*—
Green, Samuel G., D'Ardenne, Meinel, and Devore.
Trautvetter, George.
Wolf, Robert W.

Heinz, Alfred, Union, and J. Hoegermeyer, Irvington, N. J., said Heinz assignor to said Hoegermeyer. Dispenser. 2,657,836, Nov. 3.

Heinz, Bernard, Scranton, Pa Luminous attachment for locks. 2,629,057, Feb. 17.

Heinz, Bernard, Scranton, Pa. Luminous lock attachment. 2,658,151, Nov. 3.

Heinz, Bruno C., Sr., Falls Village, Conn. Mixing valve. 2,631,003, Mar. 10.

Heinz, H. J., Company, assignee: *See*—
Higgins, Edward N., and Evans.
Smith, Richard A.

Heinz, Walter E.: *See*—
King, Conant M., Jr., and Heinz.
Heinz, Winfield B., Bound Brook, N. J., assignor, by mesne asignments, to Penn Industrial Instrument Corporation. Pressure modulating relay. 2,651,317, Sept. 8.
Heinze, Bennie: *See*—
Hughes, William B., and Heinze.
Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Beta-(ortho-methoxy)phenyl-isopropyl benzyl alkyl amines and salts thereof. 2,625,566, Jan. 13.
Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. 1-benzyloxy-2-alkylaminoindanes. 2,625,567, Jan. 13.
Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Purification of ortho-methoxyphenylacetone. 2,643,268, June 23.
Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Separation of the diastereoisomeric bis [β-(ortho-methoxyphenyl) isopropyl] amines. 2,647,929, Aug. 4.
Heinzmann, Fritz, Albershausen, Kreis Goeppingen Wurttemberg, Germany. Centrifugal switch. 2,640,120, May 26.
Heise, George W.: *See*—
Schumacher, Erwin A., and Heise.
Heise, Howard L.: *See*—
Bruce, Donald S., Herrlinger, and Heise.
Heise, Otto W., Newtown, Conn. Bourdon tube gauge. 2,656,723, Oct. 27.
Heiser, Elmer F.: *See*—
Hallett, Charles H., and Heiser.
Heisey, Ezra D., Washington, Pa. Attachment for hay balers for distributing chemicals through hay during baling. 2,642,793, June 23.
Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. Re. 23,686, July 14.
Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier utilizing deflection of an electron beam. 2,650,956, Sept. 1.
Heisler, Harry F., Hudson, Iowa. Gear assembly. 2,646,691, July 28.
Heiss, Herbert L., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Treating dry, hydrophilic protective colloids. 2,639,268, May 19.
Heistand, John L., Overland, Mo. Holding device for fishing rods and the like. 2,632,616, Mar. 24.
Heistand, John L., Overland, Mo. Holding device for fishing rods and fishing poles. 2,645,440, July 14.
Heitlage, Henry: *See*—
Woodruff, George M., and Heitlage.
Heitlinger, Eugene V., I. Fields, and A. C. Ray, Chicago, Ill. Window cornice and support. 2,638,162, May 12.
Heitman, Clarence H., University City, and R. R. Niehaus, Kirkwood, Mo., said Niehaus assignor to said Heitman. Hinge for shoe lasts. 2,651,794, Sept. 15.
Heitmann, Albert, Hamburg-Niendorf, Germany, assignor to Will Hennings, Freeport, N. Y. Jar sealing. 2,657,847, Nov. 3.
Heitshu, Daniel C., assignor to Harry Ferguson, Inc., Detroit, Mich. Auxiliary hydraulic load control and actuator for tractor drawn implements. 2,638,045, May 12.
Heizer, Edward J., West Caldwell, assignor to Specialties Development Corporation, Belleville, N. J. Yarn treating method. 2,627,480, Feb. 3.
Heizer, Edward J., Mountain Lakes, assignor to Specialties Development Corporation, Belleville, N. J. Yarn tensioning device. 2,629,561, Feb. 24.
Heizer, Edward J., Mountain Lakes, assignor to Specialties Development Corporation, Belleville, N. J. Yarn tensioning device. 2,642,236, June 16.
Heizer, Edward J., Mountain Lakes, and J. Warwick, Livingston Township, Essex County, assignors to Specialties Development Corporation, Belleville, N. J. Damping means for yarn tension compensating devices. 2,661,913, Dec. 8.
Heizmann, Charles L., Ocean City, N. J., assignor to Earle Hardware Manufacturing Company, Reading, Pa. Door lock. 2,633,732, Apr. 7.
Heizmotoren-Gesellschaft, assignee: *See*—
Dürr, Walter, Huber, and Haag.
Heki, William H., Lynnville, assignor of one-half to L. Verwers, Pella, Iowa. Fishhook. 2,644,264, July 7.
Helbig, Maurice: *See*—
Granet, Charles, and Helbig.
Held, Lawrence L.: *See*—
Layne, Mark B., and Held.
Held, Llewellyn J.: *See*—
Handwerk, Erwin C., Mahler, and Held.
Helding, Herbert W., Highland Park, Ill. Color analyzing and synthesizing device. 2,641,853, June 16.
Heldman, Ernest J., Hartford, Conn., and S. Jamison, Springfield, Mass., assignors to Chicopee Manufacturing Corporation. Clip. 2,633,609, Apr. 7.
Helex Manufacturing Co., assignee: *See*—
Janows, Alex.
Helfrecht, Fred A.: *See*—
Johnson, Lloyd A., Helfrecht, and Stewart.
Helgeson, Angus G., Birmingham, Mich., assignor to The National Cash Register Company, Dayton, Ohio. Carrying frames in accounting machines. 2,649,733, Aug. 25.
Helgeson, Thomas O., Milwaukee, Wis. Fish holder for fishhook removal. 2,644,267, July 7.
Helin, Alphonse, Vitry-le-Francois, France. Spade, shovel, fork or the like tool. 2,661,186, Dec. 1.
Helipot Corporation, assignee: *See*—
Barclay, Robert E.
Hell, Rudolf, Kiel-Dietrichsdorf, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt and Munich, Germany. Recording apparatus for the reception of message characters. 2,656,240, Oct. 20.
Hell, Rudolf, Kiel-Dietrichsdorf, assignor to Siemens & Halske, Aktiengesellschaft, Berlin-Siemensstadt and Munich, Germany. Facsimile printing telegraph system and apparatus. 2,658,106, Nov. 3.
Hell, Rudolf, Kiel-Dietrichsdorf, and H. Taudt, Blickstedt, near Kiel, assignors to Siemens & Halske, Aktiengesellschaft, Munich and Berlin-Siemensstadt, Germany. Apparatus for synchronizing receivers in facsimile printing systems. 2,654,802, Oct. 6.
Hellar, Martin W., Jr.: *See*—
Suhr, Fred W., and Hellar.
Hellawell, Thomas L., Port Washington, N. Y., assignor to Tuk-Bak Trays, Incorporated. Display carton. 2,630,265, Mar. 3.
Helle, Robert H., Media, assignor, by mesne assignments, to The Chemstrand Corporation, Decatur, Ala. Apparatus for the fluid treatment of fibers and the like. 2,661,619, Dec. 8.
Heller, Charles W.: *See*—
Teetor, Paul, Grove, and Heller.
Heller, David, Brooklyn, assignor to S. J. Ernstoff, New York, and H. M. Winburn, Brooklyn, N. Y. Dusting brush. 2,631,316, Mar. 17.
Heller, Franz: *See*—
Huck, William F., Heller, and Albrecht.
Heller, George L., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Carbon black. 2,656,254, Oct. 20.
Heller, George L., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Producing carbon black. 2,659,662, Nov. 17.
Heller, George L., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Producing carbon black. 2,659,663, Nov. 17.
Heller, George W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacture of articles from polyethylene films. 2,664,378, Dec. 29.
Heller, Gerald S., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ultrahigh-frequency cavity resonator. 2,639,327, May 19.
Heller, Harold S., Cleveland Heights, Ohio. Staple having deflecting points. 2,641,154, June 9.
Heller, Lewis W., Yardley, Pa., assignor to The Babcock & Wilcox Company, New York, N. Y. Combined condensing vapor and gas turbine power plant. 2,653,447, Sept. 29.
Heller, Max A., and A. J. Conti, Denver, Colo. Gas burner with forced combustion air. 2,632,502, Mar. 24.
Heller, Milton D.: *See*—
Bernstein, Seymour, and Heller.
Heller, Paul R.: *See*—
Baudry, René A., and Heller.
Heller, Richard D., Tujunga, Calif. Wire straightener. 2,639,758, May 26.
Hellerbach, Joseph, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 1-benzyl-hexahydroisoquinolines and preparation thereof. 2,634,272, Apr. 7.
Hellerbach, Joseph, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 1-benzyl-1,2,3,4,5,6,7,8-octahydroisoquinolines and their production. 2,634,273, Apr. 7.
Hellerbach, Joseph, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Cyclohexenyl ethyl amine and manufacture thereof. 2,634,292, Apr. 7.
Hellman, Jacob J., Atlanta, Ga. Portable sample case with collapsible display rack. 2,639,793, May 26.
Hellman, Nison N.: *See*—
Koepsell, Harold J., Tsuchiya, and Hellman.
Hellmann, Jay T., Chicago, Ill. Safety razor. 2,632,243, Mar. 24.
Hellmann, Jay T., Chicago, Ill. Safety razor. 2,663,078, Dec. 22.
Hellsten, Karl M. E.: *See*—
Groth, Kjell J. I., Hellsten, and Sandegren.
Hellstern, Vernon, assignor to James R. Kearney Corporation, St. Louis, Mo. Fuse switch. 2,636,954, Apr. 28.
Hellstrom, Axel G., Evansville, Ind., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,630,689, Mar. 10.
Hellstrom, Axel G., Evansville, Ind., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,630,690, Mar. 10.
Hellwig, August R., Glendale, Calif. Vehicle spring rearching means. 2,656,181, Oct. 20.
Hellyer, John T., Winfield, assignor to Thor Corporation, Chicago, Ill. Dishwashing machine. 2,641,268, June 9.

Helm, Charles W., Jr., Rocky Hill, Conn., assignor to The Gray Manufacturing Company. Record apparatus and method. 2,663,050, Dec. 22.
Helm, Vernon L., Yakima, Wash. Rocker arm refacer. 2,643,489, June 30.
Helmbold, August F. W., Fort Thomas, Ky. Attachment for pressing irons. Re. 23,736, Nov. 17.
Helmco, Inc., assignee: *See*—
Gunther, Frederick F.
Helmig, Willem H. T.: *See*—
Reumerman, Theodorus, and Helmig.
Helmig, Willem H. T., assignee: *See*—
Hamelink, Cornelis A. S.
Helmond, William F., Clinton, Conn., assignor to Underwood Corporation, New York, N. Y. Letter-feed mechanism for typewriters and like machines. 2,626,694, Jan. 27.
Helmond, William F., Clinton, Conn., assignor to Underwood Corporation, New York, N. Y. Stop positioning mechanism for typewriters. 2,650,687, Sept. 1.
Helms, George V., Los Angeles, Calif. Retractable gear for portable freight units. 2,656,942, Oct. 27.
Helms, Laurence C. and T. R., and M. Browneye, assignors to Helms Products, Inc., Grand Rapids, Mich. Transparency viewer. 2,637,132, May 5.
Helms, Leroy J., Baltimore, E. R. Easter, Anne Arundel County, and E. E. Reinig, Baltimore, Md., assignors to The Fluorescent Electric Manufacturing Company. Apparatus for displaying signs. 2,652,650, Sept. 22.
Helms Products, Inc., assignee: *See*—
Helms, Laurence C. and T. R., and Browneye.
Helms, Travis R.: *See*—
Helms, Laurence C. and T. R., and Browneye.
Helmuth, Richard E., Carmel, assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating method and apparatus. 2,662,833, Dec. 15.
Helot, Albert R. J., Champagne sur Seine, France, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage drive. 2,660,699, Nov. 24.
Helpert, Louis R., Rochester, and H. W. Appel, Penfield, N. Y., assignors to Stromberg-Carlson Company. Television receiver horizontal deflection circuit. 2,627,052, Jan. 27.
Helsel, Noah, Jr., Lake City, Mich. Endgate control for dump trucks. 2,653,847, Sept. 29.
Helsel, Reuben H., assignor to General Register Corporation, Long Island City, N. Y. Ticket issuing machine. 2,658,446, Nov. 10.
Helsten, Wesley A., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,627,325, Feb. 3.
Helsten, Wesley A., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,629,464, Feb. 24.
Helterline, Leo L., Jr., South Norwalk, assignor to Sorensen & Company, Inc., Stamford, Conn. Voltage regulator. 2,629,078, Feb. 17.
Helton, Robert J.: *See*—
Weisberger, Arthur A., and Helton.
Helton, Van Wyke H., Concord, N. C. Bumper for tank type vacuum cleaners. 2,626,173, Jan. 20.
Helton, William H., Burns, Kans. Sleeve puller. 2,641,831, June 16.
Heltzel, Carl J., executor: *See*—
Heltzel, John N.
Heltzel, Donald T., assignee: *See*—
Heltzel, Joseph W.
Heltzel, Herbert, assignee: *See*—
Brumbaugh, Harold C.
Heltzel, John N.: *See*—
Heltzel, John N.
Heltzel, John N., deceased, Warren, Ohio; The Union Savings & Trust Company of Warren, Ohio, and C. J. Heltzel, executors of said J. N. Heltzel. Apparatus for installing semiplastic joint material in concrete roads. 2,636,425, Apr. 28.
Heltzel, John N., deceased, Warren, Ohio; The Union Savings & Trust Company of Warren, Ohio, and C. J. Heltzel, executors of said J. N. Heltzel. Dowel bar adjusting and aligning device. 2,636,426, Apr. 28.
Heltzel, John N., deceased, Warren, Ohio; The Union Savings & Trust Company, Warren, Ohio and C. J. Heltzel, executors. Drainage system for airports and highways. 2,649,720, Aug. 25.
Heltzel, Joseph W., assignor to D. T. Heltzel, Warren, Ohio. Mastic joint installing machine. 2,641,168, June 9.
Heltzel, Robert E., Warren, Ohio. Compression sealing gate for storage bins and hoppers. 2,638,254, May 12.
Heltzel, Robert E., Warren, Ohio. Operating mechanism for compressible sealing closures for hoppers. 2,663,466, Dec. 22.
Helvern, James O., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake. 2,639,787, May 26.
Helveston, John C.: *See*
Doerfner, William H., and Helveston.
Helwig, Clifford C., Windsor, Ontario, Canada. Fireplace front. 2,627,914, Feb. 10.
Helwig, William F. Milwaukee, Wis. Garment hanger. 2,648,471, Aug. 11.
Helwig, William F., Milwaukee, Wis. Garment hanger. 2,656,079, Oct. 20.
Hemenway, Henry H., St. Albans, and J. F. Thunstrom, Bronx, assignors to Foster Wheeler Corporation, New York, N. Y. Vapor generator. 2,641,233, June 9.
Hemingway, Arthur V., Boreham Wood, and P. D. Atkinson, Radlett, England. Saturable core transformer system. 2,661,453, Dec. 1.
Hemmens, A. V., Pty. Limited, assignee: *See*—
Hemmens, Alfred V.
Hemmens, Alfred V., Potts Point, near Sydney, New South Wales, assignor to A. V. Hemmens Pty. Limited, Sydney, New South Wales, Australia. Liquid metering device. 2,648,225, Aug. 11.
Hemmi, Hans M., assignor to Sandoz Ltd., Basel, Switzerland. Production of crimped fibers, filaments, and threads. 2,636,250, Apr. 28.
Hemmi, Hans M., Basel, Switzerland, and P. Trefzer, Milan, Italy, assignors to Sandoz Limited, Basel, Switzerland. Improving fastness properties of direct dyestuffs. 2,649,354, Aug. 18.
Hemming, Albert, Ortonville, Mich. Therapeutic table. 2,641,252, June 9.
Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Production of gases from carbonaceous solids. 2,644,745, July 7.
Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Two-stage hydrocarbon synthesis. 2,651,653, Sept. 8.
Hemminger, Paul, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Counting and registering relay circuit. 2,624,785, Jan. 6.
Hempe, Harold H., Wauwatosa, Wis. Adjustable miter box. 2,644,493, July 7.
Hempel, August R.: *See*—
Klein, Louis E., and Hempel.
Marling, Paul E., and Hempel.
Hempel, Herbert W., assignor to Marsh Stencil Machine Company, Belleville, Ill. Cover. 2,633,236, Mar. 31.
Hempel, Herbert W., assignor to Marsh Stencil Machine Company Belleville, Ill. Machine for mechanically electrically measuring and dispensing gummed tape. 2,655,372, Oct. 13.
Hempel, Herbert W., and W. C. Marsh, assignors to Marsh Stencil Machine Company, Belleville, Ill. Fountain marker. 2,643,409, June 30.
Hempel, Herbert W., Belleville, Ill., and F. P. Calabrese, St. Louis, Mo., assignors to Marsh Stencil Machine Company, Belleville, Ill. Stabilized stencil ink. 2,649,381, Aug. 18.
Hemphill Company, assignee: *See*—
Green, Isaac H. C.
Green, Isaac H. C., and Wawzonek.
St. Pierre, Eugene.
St. Pierre, Eugene, and Wawzonek.
St. Pierre, Paul L.
Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal container. 2,652,947, Sept. 22.
Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Protector for a dispensing device for liquid products retained under pressure in a container. 2,653,053, Sept. 22.
Henchert, John, River Forest, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Container with rip strip tongue folded into lock seam. 2,660,332, Nov. 24.
Henderson, Charles A., Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Dispensing pack for interfolded sheet material. 2,656,916, Oct. 27.
Henderson, Eldon C., Paso Robles, Calif. Purse with attached loss-preventing device. 2,652,090, Sept. 15.
Henderson, Eldon C., Paso Robles, Calif. Parking attachment for automobiles. 2,662,604, Dec. 15.
Henderson, Erskine J.: *See*—
Davidson, Noland D., and Henderson.
Henderson, Glenn A., and W. H. Winborne, Los Angeles, Calif. Cane. 2,642,884, June 23.
Henderson, Harry P., North Woodbury, Conn., assignor to General Motors Corporation, Detroit, Mich. Electroprocessing apparatus. 2,646,398, July 21.
Henderson, John, New Market, A. Bloch, and H. L. Davis, Highland Park, N. J., assignors to Ethicon Suture Laboratories Incorporated. Hemostatic compositions. 2,642,375, June 16.
Henderson, Leonard B., Olton, England. Rolling machine. 2,664,019, Dec. 29.
Henderson, Malcolm C.: *See*—
Hisserich, Charles A., Henderson, and Wyckoff.
Henderson, Robert, assignee: *See*—
Caretto, Louis.
Henderson, Robert, Bovey Tracey, South Devon, assignor to Robert Building Inventions Limited, London, England. Joint between channel members. 2,661,083, Dec. 1.
Henderson, Robert, and W. K. McGlothlin, Climax, Colo. Dragline scraper. 2,634,521, Apr. 14.
Henderson, Robert D., Cincinnati, Ohio. Circumferentially traveling support-mounted tire mounting apparatus. 2,655,985, Oct. 20.
Henderson, Robert M., Bound Brook, assignor to Worthington Corporation, Harrison, N. J. Charging door for transit concrete mixers. 2,659,514, Nov. 17.
Henderson, Robert M., Springfield, Vt., assignor to Worthington Corporation, Harrison, N. J. Antifreeze valve assembly. 2,650,611, Sept. 1.

Henderson, Sidney G., assignor to Colin Stewart Limited, Winsford, England. Coated sheet metal. 2,628,175, Feb. 10.

Henderson, Stanford A., assignor to Gomco Surgical Manufacturing Corp., Buffalo, N. Y. Suction apparatus. 2,654,557, Oct. 6.

Henderson, Wayne L., Fort Wayne, Ind., assignor to General Electric Company. Electric ballast. 2,664,541, Dec. 29.

Henderson, William H., Santa Rosa, Calif. Adjustable dispensing closure for containers. 2,658,658, Nov. 10.

Henderson, Willis, Los Angeles, Calif. Accidentally dropped knitted stitch retainer. 2,651,928, Sept. 15.

Hendrick, Frank H., Portland, Oreg. Camber adjusting tool. 2,639,756, May 26.

Hendricks, James O., White Bear Lake, and A. F. Schmeizle, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Heat-activated temporarily pressure-sensitive adhesive tape. 2,653,880, Sept. 29.

Hendricks, John G.: *See*—
Williams, Francis J., and Hendricks.

Hendricks, William F.: *See*—
Hahn, Homer H., and Hendricks.

Hendrickson, Bernard D.: *See*—
Schuck, Warren S., and Hendrickson.

Hendrickson, Donald E., E. B. Royle, and D. M. Schwartz, assignors to The Elmco Corporation, Salt Lake City, Utah. Clutch. 2,661,826, Dec. 8.

Hendrickson, Fritz E., South Elgin, assignor of one-fourth to B. G. Olving, Elgin, Ill. Buffing machine. 2,624,158, Jan. 6.

Hendrickson, Fritz E., South Elgin, assignor of one-half to M. Ireland, Elgin, Ill. Buffing wheel. 2,651,151, Sept. 8.

Hendrickson, Glover, Los Angeles, Calif. Friction clutch mechanism. 2,632,542, Mar. 24.

Hendrickson, Harold S., Hempstead, assignor to The Sperry Corporation, Great Neck, N. Y. Air-speed control system. 2,664,254, Dec. 29.

Hendrickson, Hugo, Port Angeles, Wash. Truck scale. 2,663,562, Dec. 22.

Hendrickson, Jacob W., Jr., Mercer Island, Wash., assignor to Container Corporation of America, Chicago, Ill. Shipping container with carrying handle. 2,661,142, Dec. 1.

Hendrickson, Niels E., Laguna Beach, assignor to United States Spring & Bumper Co., Inc., Los Angeles, Calif. Highway guard. 2,646,969, July 28.

Hendrix, Andrew T.: *See*—
Gilham, Willard C., and Hendrix.

Hendrix, Hurshel V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Bubble cap assembly for fractionating apparatus. 2,627,397, Feb. 3.

Hendrix, Joy, Kirkwood, Mo. Apparatus for folding cloth flatwork. 2,646,982, July 28.

Hendrix, Joy, Kirkwood, Mo. Skid device for unloading trucks. 2,662,613, Dec. 15.

Hendry, James M., Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Dry backfire arrester. 2,651,322, Sept. 8.

Hendry, James W., Bay City, Mich. Stroke control for ram-type molding machines. 2,627,087, Feb. 3.

Hendry, Trillie L.: *See*—
Grieve, George P., and Hendry.

Henecka, Hans: *See*—
Hecht, Gerhard, Henecka, and Meisenheimer.

Henecka, Hans, Wuppertal-Elberfeld, assignor, by mesne assignments, to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen-Bayerwerk, Germany. Preparation of 1-benzyl-5,6,7,8-tetrahydroisoquinoline. 2,651,624, Sept. 8.

Henecka, Hans, Wuppertal-Elberfeld, assignor, by mesne assignments, to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen-Bayerwerk, Germany. Preparation of 1-benzyl-1:2:3:4:5:6:7:8-octahydro-isoquinoline. 2,651,635, Sept. 8.

Henecka, Hans, Wuppertal-Elberfeld, assignor, by mesne assignments, to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen-Bayerwerk, Germany. 1-benzyl-2,3,5,6,7,8-hexahydroisoquinoline-3 and the preparation thereof. 2,651,637, Sept. 8.

Hengstebeck, Robert J.: *See*—
Russum, Leonard W., and Hengstebeck.

Hengstebeck, Robert J., Valparaiso, Ind., assignor to Standard Oil Company, Chicago, Ill. Fluidized solids system. 2,658,822, Nov. 10.

Henigman, Frank, Chicago, Ill. Oil tank water drainer. 2,626,054, Jan. 20.

Henke, Hermann, Stein am Rhine, Switzerland. Ski boot. 2,660,812, Dec. 1.

Henkel & Cie, G. m. b. H., assignee: *See*—
Eberlein, Friedrich.

Henkel, Erich, Calument City, Ill., and H. G. Nehrbas, Hammond, Ind., assignors to Combustion Engineering, Inc. Pressure regulator and cutoff with auxiliary manual control. 2,645,061, July 14.

Henkel, Erich W., Calumet City, Ill., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Antiracing valve for steam-driven feed. 2,630,758, Mar. 10.

Henn, Albert C. L., and H. W. Peterson, Jr., Somerville, N. J., assignors to Standard Oil Development Company. Making refined sugar cane wax. 2,662,907, Dec. 15.

Henn, Richard W.: *See*—
Rasch, Arthur A., Henn, and Crabtree.

Henn, Richard W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic silver halide developing solutions containing calcium precipitation inhibitors. 2,625,476, Jan. 13.

Henn, Richard W., assignor to Eastman Kodak Company, Rochester, N. Y. Noncaking sodium and potassium hydroxide for photographic developer powders. 2,639,221, May 19.

Henn, Richard W., and D. E. Piper, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic developers containing diaminopropanol tetracetic acid. 2,656,273, Oct. 20.

Hennell, Charles H., Inglewood, Calif. Apparatus for embossing graining of wood. 2,635,653, Apr. 21.

Hennessey, Francis W.: *See*—
Ames, William L., and Hennessey.

Hennessey, Russell J., assignor to Waldorf Paper Products Company, St. Paul, Minn. Reclosable carton. 2,658,664, Nov. 10.

Hennessey, Russell J., and M. B. Jameson, assignors to Waldorf Paper Products Company, St. Paul, Minn. Partition pad. 2,640,644, June 2.

Hennessey, Vincent D., Milwaukee, Wis. Valve actuating mechanism and assemblage. 2,633,872, Apr. 7.

Hennessey, Walter F., Jr., and G. J. Swanson, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Electrical connector having a grommet and means to axially and radially compress the same. 2,662,219, Dec. 8.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal lubricator pump. 2,635,017, Apr. 14.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway axle box lubricator. 2,639,200, May 19.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal lubricator pump. 2,639,201, May 19.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway axle journal lubricator. 2,639,202, May 19.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal box oil guard. 2,640,739, June 2.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal lubricator. 2,643,919, June 30.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal box lubricator structure. 2,656,226, Oct. 20.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway journal lubricator. 2,658,806, Nov. 10.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway axle journal lubricator. 2,660,488, Nov. 24.

Hennessy, James J., assignor to Hennessy Lubricator Company, Inc., Chambersburg, Pa. Railway axle journal lubricator. 2,660,489, Nov. 24.

Hennessy Lubricator Company, Inc., assignee: *See*—
Hennessy, James J.

Henney Motor Company, Inc., assignee: *See*—
Laible, Ray A.

Hennig, Charles, Freeport, assignor to Morse Boulger Destructor Company, New York, N. Y. Horizontally movable damper. 2,646,792, July 28.

Hennig, Harvey: *See*—
Folkins, Hillis O., Miller, and Hennig.

Hennigh, George W., and H. D. Ridge, Long Beach, Calif. Special purpose electric motor. 2,650,314, Aug. 25.

Hennike, Anthony J., G. Morris, and E. E. Broady, Phoenix, Ariz. Injection flask apparatus. 2,660,758, Dec. 1.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and working elastomer compounds. 2,653,351, Sept. 29.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for continuously making vulcanized articles. 2,655,690, Oct. 20.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for forming vulcanized articles. 2,655,691, Oct. 20.

Henning, Leland L., El Cerrito, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Hydrocarbon fractionation. 2,656,310, Oct. 20.

Henning, Otto, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor de-icing means. 2,658,734, Nov. 10.

Henning, Rudolf E., New York, assignor to The Sperry Corporation, Great Neck, N. Y. Coaxial directional coupler. 2,657,361, Oct. 27.

Hennings, Charles H., assignor, by mesne assignments, to C. H. Hennings and J. S. Sorenson, Chicago, Ill. Pulley structure. 2,635,474, Apr. 21.

Hennings, Will, assignee: *See*—
Heitmann, Albert.

Henrard, Fernand J. J. J., assignor to Ecremeuses Melotte, Societe Anonyme, Remicourt, Belgium. Pulsator for milking machines. 2,655,168, Oct. 13.

Henrard, Fernand J. J. J., assignor to Ecremeuses Melotte Societe Anonyme, Remicourt, Belgium. Centrifugal apparatus for mixing gases and liquids. 2,657,025, Oct. 27.

Henrich, William H., East Norwalk, assignor to Sorensen & Company, Inc., Stamford, Conn. Voltage regulator. 2,644,128, June 30.

Henrichs, Harry, Fresno, Calif. Antifriction mount for the distributor plate of motor vehicle distributors. 2,660,630, Nov. 24.

Henrichsen, Knut, Los Angeles, Calif., assignor to North American Aviation, Inc. Pump. 2,649,741, Aug. 25.

Henrichsen, William, Long Island City, N. Y. Building element. 2,649,626, Aug. 25.

Henriksen, Ernst J. J., Copenhagen, Denmark. Divided circular handle having interlocking means. Re. 23,629, Mar. 10.

Henrikson, Bror W., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Clamp. 2,637,081, May 5.

Henry, Albert R., Salina, assignor to Henry Manufacturing Co., Inc., Topeka, Kans. Bulldozer attachment for tractors. 2,624,132, Jan. 6.

Henry, Arthur L., Fort Worth, Tex. Fan hub. 2,638,761, May 19.

Henry, Beulah L., New York, N. Y. Eating toy animal. 2,631,408, Mar. 17.

Henry, Beulah L., New York, N. Y. Multicopy attachment for typewriting machines. 2,634,849, Apr. 14.

Henry, Cashly A., Dayton, Ohio. Steering device for trailers. 2,659,611, Nov. 17.

Henry, Charles W., Hennessey, Okla. Adjustable eave gutter support or hanger. 2,625,353, Jan. 13.

Henry, Clyde E., Nevada, Mo. Casting rod. 2,662,329, Dec. 15.

Henry, Earle G., assignor to R. T. Moloney, Chicago, Ill. Illuminated selector mechanism. 2,627,685, Feb. 10.

Henry, Earle G., Wilmette, assignor to R. T. Moloney, Chicago, Ill. Light beam target mechanism. 2,659,606, Nov. 17.

Henry, Elliott A., Bridgeport, assignor to Sperry Products, Inc., Danbury, Conn. Oscillator cancellation frequency converter. 2,662,172, Dec. 8.

Henry, Georges, Dampremy, and E. Brichard, Jumet-Houbois, assignors of one-third to Union Des Verreries Mecaniques Belges, Charleroi, Belgium. Melting glass and the like. 2,634,555, Apr. 14.

Henry, Georges L., and E. Brichard, Jumet, assignors to Union des Verreries Mecaniques Belges S. A., Charleroi, Belgium. Method and apparatus for feeding glass furnaces. 2,624,475, Jan. 6.

Henry, Horace C., Sherman, Tex. Adjustable-saw carriage for folding arm radial saws. 2,652,862, Sept. 22.

Henry, Howard G., Detroit, Mich. Roller bearing nut. 2,648,991, Aug. 18.

Henry, Israel H., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Line identification trouble indicator. 2,657,271, Oct. 27.

Henry, John M., assignee: *See*—
Sparks, Warren A.

Henry, Karl R., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fuel tank panel. 2,629,680, Feb. 24.

Henry Manufacturing Co., Inc., assignee: *See*—
Henry, Albert R.

Henry, Nelson B., Atlanta, Ga., assignor to Aldrich Machine Works, Greenwood, S. C. Friction letoff for picker calenders. 2,648,100, Aug. 11.

Henry, Robert E., Pittsburgh, Pa. Temporary concrete form for use with plumbing installations. 2,659,124, Nov. 17.

Henry, Robert L.: *See*—
Wallenmeyer, John C., McDonald, and Henry.

Henry, Robert S., Whistler, Ala. Vacuum well bucket. 2,627,926, Feb. 10.

Henry, Ronald A.: *See*—
Brod, John S., and Henry.

Henry, Roy E., Elba, N. Y. Bag holding device. 2,634,072, Apr. 7.

Henry Valve Company, Incorporated, assignee: *See*—
Gary, Charles V., and Dickert.
Jones, Evan.
Palcer, Joseph A.

Henry, Walter N., Dayton, Ohio. Nail pulling device. 2,639,887, May 26.

Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Thread advancing reel. 2,627,102, Feb. 3.

Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Locking device for caps of up-twister machines. 2,649,683, Aug. 25.

Henschien, Stener, Buenos Aires, Argentina. Safety razor. 2,654,150, Oct. 6.

Hensel, H. Struve, assignee: *See*—
Fennelly, Joseph C.

Hensgen, Bernard T., assignor to Swift & Company, Chicago, Ill. Cheese curd cutter. 2,663,081, Dec. 22.

Hensgen, Bernard T., and J. C. Vanden Bosch, assignors to Swift & Company, Chicago, Ill. Packaging of products in slab form. 2,635,965, Apr. 21.

Hensgen, Bernard T., and J. A. Brendle, assignors to Swift & Company, Chicago, Ill. Margarine color injector. 2,646,190, July 21.

Hensgen, Bernard T., Chicago, and D. E. Rueckert, Mokena, assignors to Swift & Company, Chicago, Ill. Margarine package. 2,652,336, Sept. 15.

Hensgen, Bernard T., and H. G. Reichel, assignors to Swift & Company, Chicago, Ill. Ham pumping. 2,663,247, Dec. 22.

Henshaw, James N.: *See*—
Cooper, Basil P., and Henshaw.

Henshaw, James N., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Electrically powered blind riveting tool. 2,654,257, Oct. 6.

Henshaw, Richard C., assignor to Lord Manufacturing Company, Erie, Pa. Shock and vibration isolating mounting. 2,641,434, June 9.

Henshaw, Richard C., assignor to Lord Manufacturing Company, Erie, Pa. Vibration controller for a resilient mounting. 2,648,509, Aug. 11.

Henshaw, Richard C., assignor to Lord Manufacturing Company, Erie, Pa. Resilient mounting. 2,648,510, Aug. 11.

Hensley, Alva C., Maroa, Ill., assignor to J. D. Whitson, Decatur, Ill., as trustee. Self-loading truck. 2,652,936, Sept. 22.

Hensley, Charles A. E., Winnipeg, Manitoba, Canada. Fluid flow restrictor. 2,658,529, Nov. 10.

Hensley, William A., Quincy, Ill., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reclaiming rubber with reaction products of dialkylnaphthols with sulfur chloride. 2,647,089, July 28.

Henson, Alec F., Whitton, assignor to Electric & Musical Industries Limited, Middlesex, England. Electron discharge device such as television transmission tube. 2,648,794, Aug. 11.

Henson, Luther, assignee: *See*—
Fowler, Roy E.

Henson, Robert L., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Seismographic amplifier mixing circuits. 2,662,126, Dec. 8.

Henss, Richard W.: *See*—
Hartsock, Robert E., and Henss.

Henszey, Roy O., Oconomowoc, Wis. Method and apparatus for evaporating milk. 2,631,105, Mar. 10.

Henszey, Roy O., Oconomowoc, Wis. Sanitary fastener. 2,663,212, Dec. 22.

Henter, Mathias, Brookfield, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Support for field coils of dynamoelectric machines. 2,654,037, Sept. 29.

Henthorn, Marcus D., Roachdale, Ind. Harvester reel. 2,644,288, July 7.

Hentschel, Emil: *See*—
Ruska, Ernst, and Hentschel.

Hentzell, John F., Pacific Grove, Calif. Mattress. 2,631,306, Mar. 17.

Henze, Otto C. W., New York, and J. L. Sweeney, Jackson Heights, N. Y., said Henze assignor to said Sweeney. Space controlling mechanism for multipitch escapement typewriters. 2,626,693, Jan. 27.

Hepburn, William M., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Combustion apparatus using preheated air. 2,627,398, Feb. 3.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric circuit comprising a cathode-ray tube. 2,657,330, Oct. 27.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit-arrangement for receiving and detecting frequency modulated oscillations. 2,662,179, Dec 8.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heat exchange conversion process. 2,645,606, July 14.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization process. 2,661,384, Dec. 1.

Hepp, Peter P., Beaumont, Calif. Chuck. 2,656,192, Oct. 20.

Hepperle, Erwin: *See*—
Lippert, Hanns, and Hepperle.

Hept, Ralph W., Bronson, Mich., assignor to Kingston Products Corporation, Kokomo, Ind. Directional turn indicator. 2,642,505, June 16.

Hept, Ralph W., Dayton, Ohio., assignor to Kingston Products Corporation, Kokomo, Ind. Combined starter and ignition switch. 2,630,502, Mar. 3.

Hept, Ralph W., Dayton, Ohio, and N. H. Weber, Bronson, Mich., assignors to Kingston Products Corporation, Indianapolis, Ind. Combined starter and ignition switch. 2,663,780, Dec. 22.

Heraeus Quarzschmelze G. m. b. H., assignee: *See*—
Mohn, Heinrich.

Herald Press, Inc., The, assignee: *See*—
Stewart, Ralph T.

Herald, William J., Strathmore, Victoria, and R. Murray, West Brunswick, Victoria, Australia. Detachable heel tread. 2,648,917, Aug. 18.

Herb, Raymond G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar system and antenna therefor. 2,659,006, Nov. 10.

Herbenar, Edward J.: *See*—
Guy, Frederick M., and Herbenar.
Herbenar, Edward J., Detroit, Mich. Combination bumper and retainer. 2,652,585, Sept. 22.
Herbenar, Edward J., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Resiliently mounted shaft hanger. 2,661,986, Dec. 8.
Herbenar, Edward J., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Resiliently mounted shaft hanger assembly. 2,661,987, Dec. 8.
Herbener, Henry M., Thomasville, Ga. Girdle. 2,630,570, Mar. 10.
Herbener, Henry M., Thomasville, Ga. Elastic girdle. 2,630,571, Mar. 10.
Herbener, Henry M., Thomasville, Ga. Girdle. 2,630,576, Mar. 10.
Herbener, Henry M., Thomasville, Ga. Girdle and resilient support. 2,632,891, Mar. 31.
Herbener, Henry M., Thomasville, Ga. Foundation garment. 2,653,321, Sept. 29.
Herbert, Arthur C., New Rochelle, assignor to Barium Development Corporation, New York, N. Y. Producing barium salts. 2,637,700, May 5.
Herbert, Arthur D., New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. Sealed variable length cell and positioner. 2,637,817, May 5.
Herbert, Gustave H., Bronxville, N. Y. Enclosure device for pet animals. 2,659,344, Nov. 17.
Herbert, Gustave H., Bronxville, N. Y. Combination rest and feeding device for animals. 2,659,345, Nov. 17.
Herbert, Louis C., Burley, Wash. Pivoted jaws forceps tool with locking means. 2,654,632, Oct. 6.
Herbert, Robert B., and W. E. Fox, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Radio index punch. 2,641,319, June 9.
Herbert, Russell J.: *See*—
Vogt, John F., and Herbert.
Herbert, William B., Ridgewood, N. J. Adjustable cam actuated hold-down clamp. 2,639,744, May 26.
Herbert, William S., assignor to Ray-O-Vac Company, Madison, Wis. Primary dry cell. 2,650,945, Sept. 1.
Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Photoelectric cell having a light sensitive electron emissive cathode. 2,656,477, Oct. 20.
Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Electrical method and apparatus for geophysical prospecting. 2,660,703, Nov. 24.
Herbold, Robert J., assignor to L. M. Hughes, Denver, Colo. Apparatus for aiding the landing of aircraft. 2,660,792, Dec. 1.
Herbrick, Milton R., Sterling, Colo. Cross link controlled lock for tire chains. 2,636,534, Apr. 28.
Herbruggen, Heinrich J. B., Cleveland, Ohio, assignor to Federal Foundry Supply Company. Core blowing apparatus. 2,656,573, Oct. 27.
Herbst, Clarence A., Park Ridge, Ill., assignor to Resinoid Engineering Corporation. Molded commutator. 2,658,159, Nov. 3.
Herbst, Harry T., Belleville, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Inert gas blanketed welding rod feed. 2,644,070, June 30.
Herbst, John A., Pines Lake, assignor, by mesne assignments, to Bogue Electric Manufacturing Co., Paterson, N. J. Thermocouple testing system. 2,647,237, July 28.
Herbst, John A., Pines Lake, assignor to Bogue Electric Manufacturing Co., Paterson, N. J. Hydraulic valve. 2,650,609, Sept. 1.
Herbst, Philip J., Moorestown, N. J., assignor to Radio Corporation of America. Surface contour measurement. 2,645,971, July 21.
Herbst, Philip J., Moorestown, N. J., assignor to Radio Corporation of America. Means and method for obtaining improved color fidelity in color television systems. 2,654,798, Oct. 6.
Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Bearing deviation indication system. 2,636,166, Apr. 21.
Herbst, Walter A., Union, N. J., assignor to Standard Oil Development Company. Manufacture of synthesis gas. 2,631,933, Mar. 17.
Herbster, George B., assignor to Herbster-Schmiler, Inc., Cleveland, Ohio. Fuel burning air heater with upright tubes. 2,655,143, Oct. 13.
Herbster-Schmiler, Inc., assignee: *See*—
Herbster, George B.
Herbstritt, Karl: *See*—
Davies, Kenneth R., and Herbstritt.
Hercog, Matt D., Stockton, Calif. Tongue construction for shoes. 2,632,260, Mar. 24.
Hercog, Matt D., Stockton, Calif. Shoe construction with diagonal lacing. 2,643,469, June 30.
Hercules Electric & Mfg. Co., Inc., assignee: *See*—
Fowler, Alexander.
Hercules Powder Company, assignee: *See*—
Aller, Basil V., Hall, Quin, and Turck.
Armstrong, Godfrey P., Hall, Quin, and Turck.
Azorlosa, Julian L.
Azorlosa, Julian L., and Hug.
Barber, Edwin J.
Batdorf, Jack B.
Bent, Franklin N.
Hercules Powder Company, assignee: *See*—Continued.
Bertram, Leon L., Martin, and Pohlke.
Bewley, Thomas, and Wilkins.
Bishop, William T.
Buntin, George A.
Calhoun, George M., and Reese.
Conner, Joshua C., Jr.
Conner, Joshua C., Jr., and Lohr.
Cox, Richard F. B.
Downey, William F.
Elliott, Edwin S.
Elliott, John H.
Feild, George B.
Filar, Leo J., and Taves.
Glaeser, Alfred L.
Gould, Charles W.
Horne, Charles F.
Horsey, Eleanor F., and Thompson.
Hulse, George E.
Jenkins, Roy H., Jr.
Kneisley, Joseph W.
Lorand, Eugene J., and Reese.
Nachod, Julius E., Jr.
Oakley, Norman B.
Preckel, Ralph F.
Ritchie, Paul F.
Sartin, Jarvis G.
Saunders, Robert H.
Shapleigh, James H.
Stonecipher, William D.
Subluskey, Leo A.
Vandenberg, Edwin J.
Walton, Warren L.
Zebree, David T.
Hercules Steel Products Corporation, assignee: *See*—
Altemiller, Arthur D.
Herder, Harry D., assignor to Atlas Press Company, Kalamazoo, Mich. Hold-down for jig saws or the like. 2,663,331, Dec. 22.
Herder, Harry D., and W. L. VanDam, assignors to Atlas Press Company, Kalamazoo, Mich. Universal motor mounting for machine tools. 2,628,047, Feb. 10.
Heredia, Francisco M. F.: *See*—
MacVeigh, James, and Heredia.
Herford, Geoffrey V. B., and T. A. Oxley, Slough, England. Protection of packages. 2,630,911, Mar. 10.
Hergenrother, Rudolf C., West Newton, and H. G. Rudenberg, assignors to Raytheon Manufacturing Company, Newton, Mass. Oscilloscope. 2,633,546, Mar. 31.
Herider, Elmer A., and S. E. Norwood, assignors to Ford Motor Company, Dearborn, Mich. Automobile seat construction. 2,627,894, Feb. 10.
Herigstad, Gust J., Mohall, N. Dak. Signal for grain boxes of threshers and combines. 2,627,244, Feb. 3.
Herkenhoff, Earl C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Ion exchange process with magnetic ion exchange resins. 2,642,514, June 16.
Herkimer, Herbert, New York, N. Y. Air filter. 2,638,180, May 12.
Herlihy, William F., Haverhill, assignor to Lowell Counter Company, Lowell, Mass. Shaping the counter portion and turning the wrapper of a shoe of the force-lasted or California type. 2,634,441, Apr. 14.
Herlihy, William F., Haverhill, assignor to Lowell Counter Company, Lowell, Mass. Preparing vamps for shoes of the California or force-lasted type. 2,646,584, July 28.
Herlin, Melvin A.: *See*—
Everhart, Edgar, Herlin, A. G. and W. V. Smith.
Herlin, Melvin A., Cambridge, and W. V. Smith, Medford, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Tunable multi-cavity type magnetron tube. 2,624,864, Jan. 6.
Herlin, Melvin A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Magnetron frequency stabilization apparatus. 2,630,533, Mar. 3.
Hermac International, Ltd., assignee: *See*—
Puckman, Hyman.
Herman, Alvin E., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute utilizing interleaved U-shaped conductive members. 2,632,074, Mar. 17.
Herman, Daniel F., Queens, assignor to National Lead Company, New York, N. Y. Preparation of alkyl titanates. 2,654,770, Oct. 6.
Herman, Daniel F., Queens, assignor to National Lead Company, New York, N. Y. Preparation of alkyl titanates. 2,655,523, Oct. 13.
Herman, Elvin E.: *See*—
Russell, James L., and Herman.
Herman, John, assignor to J. W. Johnson Company, Chicago, Ill. Seam for tarpaulin or other waterproof fabric. 2,624,886, Jan. 13.
Herman, John, assignor to J. W. Johnson Company, Chicago, Ill. Apparatus for forming sealed lap seams. 2,625,126, Jan. 13.
Herman, Molly, Chicago, Ill. Mouth insert pad. 2,653,600, Sept. 29.
Herman, Nathan L., Cleveland, Ohio, assignor to Poe Machine and Engineering Company, Inc., New Wilmington, Pa. Contractile drum. 2,630,278, Mar. 3.

Herman, Samuel A.: *See*—
Heinecke, William, and Herman.
Herman, William F., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Contact lenses and making same. 2,664,025, Dec. 29.
Hermann, Edward C., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 5-nitro-2-thiophenecarboxaldehyde oxime. 2,649,461, Aug. 18.
Hermann, Edward C., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 2-thiopheneserines and their manufacture. 2,662,087, Dec. 8.
Hermann, Edward O., Mill Valley, Calif. Adjustable brace. 2,659,319, Nov. 17.
Hermann, Franz, Rosenheim, assignor to Klepper-Werke, Rosenheim, Bavaria, Germany. Boat. 2,642,590, June 23.
Hermann, Friedrich J., Seine, France, assignor to Reichhold Chemicals, Inc., Detroit, Mich. Manufacture of synthetic resins from phenols and aldehydes and of polyphenols therefor. 2,645,623, July 14.
Hermann R. Raz-Ammann's Wwe. & Co., assignee: *See*—
Eisner, Harold.
Hermanny, Heinrich, Valley Stream, N. Y. Instrument pointer actuating mechanism and adjustment. 2,642,743, June 23.
Hermanson, Gerald I.: *See*—
Hermanson, William A., and G. I.
Hermanson, Henning S., Deerfield, and F. D. Joesting, Oak Park, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Register. 2,630,057, Mar. 3.
Hermanson, Herman E.: *See*—
Atkins, Harry C., and Hermanson.
Lamb, Fredrick S., and Hermanson.
Hermanson, Herman E., Mayfield Heights, Ohio, assignor to General Electric Company. Method and masking shield for interiorly coating hollow articles. 2,657,150, Oct. 27.
Hermanson, William A., Brookline, and G. I. Hermanson, Newton, Mass. Disposable diaper. 2,649,859, Aug. 25.
Hermitte, Louis A., and M. H. L. Sédille, assignors to Societe Rateau (Societe Anonyme), and René Anxionnaz, Paris, France, jointly. Compound plant for producing mechanical power and heating steam with gas and steam turbines. 2,633,707, Apr. 7.
Hermoplast Limited, assignee: *See*—
Eisler, Paul.
Hernández, Angel E., and M. Pinca, Catarman Samar, Philippine Islands. Coconut shredder. 2,633,883, Apr. 7.
Hernandez, Herman P., Jr.: *See*—
Powell, Wilson M., and Hernandez.
Herndon, Lawrence O., Elk Basin, assignor to J. E. Jones, Cody, Wyo. Magnetic plug for core bits. 2,628,822, Feb. 17.
Herndon, Lyle K., Columbus, Ohio, assignor to Mathieson Chemical Corporation. Magnesium oxychloride cement manufacture. 2,627,476, Feb. 3.
Herndon, Lyle K., Columbus, Ohio, assignor, by mesne assignments, to The Fluor Corporation, Ltd. Sulfur recovery process. 2,631,087, Mar. 10.
Herndon, Victor, Bell, Calif. Massage device. 2,633,844, Apr. 7.
Herndon, Walter B., Rochester, R. F. Beck, and W. L. Tuschak, assignors to General Motors Corporation, Detroit, Mich. Fluid flywheel construction. 2,652,782, Sept. 22.
Herod, Newton S., Smyrna, and L. R. O'Neill, Fairmont, W. Va., assignors to the United States of America as represented by the United States Atomic Energy Commission Flow valve control. 2,628,638, Feb. 17.
Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. High voltage measuring device. 2,640,093, May 26.
Herold, James L., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle cleansing machine. 2,655,928, Oct. 20.
Herold, James L., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Apparatus for cleansing bottles. 2,655,929, Oct. 20.
Herold, Walter F., Easton, and H. W. Parrott, Shelton, assignors to The Bassick Company, Bridgeport, Conn. Resiliently mounted tiltable seat and back rest. 2,650,646, Sept. 1.
Herold, Victor, Paris, assignor to Societe des Accumulateurs Fixes & De Traction, Romainville, France. Manufacture of battery electrodes and the resulting electrodes. 2,646,454, July 21.
Heron, Kenneth M.: *See*—
Lawrence, John A., and Heron.
Herr, Frederick W., South Bend, Ind., assignor to American Optical Company, Southbridge, Mass. Oscillating electric motor. 2,633,544, Mar. 31.
Herr, John A.: *See*—
Hacklander, Hans, and Herr.
Herr, John D., Minerva, Ohio. Packing retainer for journal boxes. 2,648,574, Aug. 11.
Herr, Milton E.: *See*—
Heyl, Frederick W., and Herr.
Herr, Paul A., Lancaster, Pa. Humidifier. 2,638,331, May 12.
Herrcke, Ralph J., Los Angeles, Calif. Laundry ironer rack. 2,645,364, July 14.
Herrell, Edgar E., San Diego, Calif. Antitheft [illegible] internal-combustion powered vehicles. 2,657,[illegible] 27.
Herreng, Pierre A.: *See*—
Ville, Jean A., Pages, and Herreng.
Herrenschmidt, Suzanne S. D., administratrix: [illegible]
Le Renard, Louis G. M.
Herres, Schuyler A., Albany, N. Y., assignor to [illegible] Ludium Steel Corporation, Brackenridge, Pa. [illegible] tus for melting titanium to form ingots. [illegible] June 2.
Herres, Schuyler A., Albany, and T. K. Redden, [illegible] N. Y., assignors to Allegheny Ludlum Steel [illegible] tion. Chromium-nickel titanium base alloys. [illegible] July 14.
Herreshoff, Alexander G., Grosse Pointe, ass[illegible] Chrysler Corporation, Highland Park, Mich. [illegible] suspension for driven wheels. 2,635,704, Ap[illegible]
Herreshoff, Alexander G., Grosse Pointe, and J. [illegible] field, assignors to Chrysler Corporation, Highl[illegible] Mich. Adjustable suspension for vehicles. [illegible] Jan. 13.
Herrick, Clifford E., Jr., Easton Pa., assignor to [illegible] Aniline & Film Corporation, New York, N. Y. [illegible] type reflex photoprinting. 2,660,526, Nov. 24.
Herrick, Elbert C.: *See*—
Farlow, Mark W., and Herrick.
Herrick, Henry N.: *See*—
Schaufelberger, William M., Herrick, and Le[illegible]
Herrick, James E.: *See*—
Herrick, William W. and J. E.
Herrick, Malcolm P., Rochester, N. Y., assignor t[illegible] berg-Carlson Company. Oscillator for AM-FM [illegible] 2,637,808, May 5.
Herrick, Pat H.: *See*—
Tawney, Chester W., Demarco, and Herrick.
Herrick, Pat H., Baltimore, Md. Motorized wheel[illegible] toy. 2,625,771, Jan. 20.
Herrick, Pat H., Baltimore, Md., assignor to [illegible] Manufacturing Co., Inc. Vending capsule. [illegible] Apr. 7.
Herrick, Robert E., Chicago, Ill. Baggag[illegible] 2,626,172, Jan. 20.
Herrick, Roswell H., Lorain, Ohio, assignor to A[illegible] Electric Laboratories, Inc., Chicago, Ill. Mul[illegible] mobile telephone system. 2,629,092, Feb. 17.
Herrick, Roswell H., Lorain, Ohio, assignor to A[illegible] Electric Laboratories, Inc., Chicago, Ill. [illegible] selective calling system. 2,647,250, July 28.
Herrick, Roswell H., Lorain, Ohio, and E. M. [illegible] Broadview, Ill., assignors to Zenith Radio Cor[illegible] Subscriber signaling system. 2,656,407, Oct.
Herrick, Roswell H., Lorain, Ohio, and E. M. [illegible] Broadview, Ill., assignors to Zenith Radio Cor[illegible] Subscriber signaling system. 2,656,410, Oct.
Herrick, Wallace D., Dayton, Ohio. Guard for i[illegible] machines. 2,664,332, Dec. 29.
Herrick, William W., and A. Burckhardt, assi[illegible] Pitney-Bowes, Inc., Stamford, Conn. Postage [illegible] device using direct and offset printing. 2,660,[illegible] 24.
Herrick, William W. and J. E., Stamford, Conn[illegible] matic boat pumping device. 2,624,305, Jan. 6.
Herrin, Inez L., Glendale, Calif. Cutting [illegible] 2,630,755, Mar. 10.
Herring, Harold W.: *See*—
Conklin, Robert M., and Herring.
Herring, Henry H., Jr., Woodbury, N. J., ass[illegible] E. I. du Pont de Nemours and Company, Wil[illegible] Del. Preparation of isocinchomeronic acid. 2[illegible] Oct. 27.
Herring, Robert A., Jr., Washington, D. C. Pr[illegible] erator. 2,624,851, Jan. 6.
Herrington, Arthur C., Boston, Mass. Hooded [illegible] 2,631,289, Mar. 17.
Herrington, Howard H.: *See*—
Avey, William P., Herrington, Meyer, and McI[illegible]
Herrlinger, Paul W.: *See*—
Bruce, Donald S., Herrlinger, and Heise.
Herrlinger, Paul W., assignor to The Gummed [illegible] Company, Troy, Ohio. Tape moistening [illegible] 2,646,020, July 21.
Herrman, Harry W., Davenport, assignor of th[illegible] cent to V. Mueller, and thirty per cent to R. [illegible] ingham, Cedar Rapids, Iowa. Adjustable [illegible] 2,636,796, Apr. 28.
Herrmann, Heinrich: *See*—
Lammerz, Ernst, and Herrmann.
Herrmann, John F., Cheektowaga, and W. A. [illegible] Snyder, N. Y., assignors to American Optical C[illegible] Southbridge, Mass. Film reel construction. 2[illegible] Dec. 22.
Herrmann, Will A., Houston, Tex. Feeding mac[illegible] cotton and the like. 2,653,353, Sept. 29.
Herrmann, William E.: *See*—
Bankauf, William F., Herrmann, and Ross.
Herro, Alexander C.: *See*—
Whitaker, Randall, and Herro.
Herron, Charles, assignor to G. M. Sullivan, St[illegible] Minn. Sprinkler head. 2,626,836, Jan. 27.
Hersch, Paul: *See*—
Hignett, Harold W. G., and Hersch.
Hersch, Paul, Birmingham, England. Forming [illegible] of metallic copper on copper oxide. 2,643,199,

Hersch, Sam, Los Angeles, Calif. Ventilator. 2,626,557, Jan. 27.

Herschede, Richard L., A. E. Gates, Jr., and W. F. Herschede, assignors to Panocular Corporation, Cincinnati, Ohio. Edge lighted display. 2,634,530, Apr. 14.

Herschede, William F.: *See*—
Herschede, Richard L., Gates, and Herschede.

Herscovitz, Jacob: *See*—
Mest, Ralph D., and Herscovitz.

Hersey, Arthur J.: *See*—
Hersey, Kenneth J. and A. J.

Hersey, Israel I.: *See*—
Quinn, Edward, and Hersey.

Hersey, Kenneth J., and A. J. Hersey, Minneapolis, Minn. Knockdown type two-wheel trailer. 2,649,307, Aug. 18.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,657,274, Oct. 27.

Hersh, Lloyd J., Cetronia, Pa. Induced draft system. 2,635,565, Apr. 21.

Hershberg, Emanuel B.: *See*—
Gould, David H., and Hershberg.

Hershberg, Emanuel B., West Orange, N. J., and E. P. Oliveto, Long Island City, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Manufacture of 17-keto steroids. 2,656,364, Oct. 20.

Hershberger, James M., Hillsboro, Ind. Garment hanger sleeve holder. 2,634,030, Apr. 7.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave detector. 2,624,840, Jan. 6.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Wide band microwave spectroscopy. 2,637,767, May 5.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Method and system for stabilizing the frequency of oscillators. 2,663,798, Dec. 22.

Herskind, Carl C., Schenectady, N. Y., assignor to General Electric Company. Stabilized arc suppressing system for electronic devices using static components. 2,657,335, Oct. 27.

Hersom, Samuel E.: *See*—
Coales, John F., Elliott, Hill, Hersom, and Tindale.

Hersperger, Herman, Roselle, N. J. Window ventilator. 2,659,294, Nov. 17.

Hertel, Richard K., Winston-Salem, N. C., and G. F. Nicolson, South Gate, assignors to Byron Jackson Co., Vernon, Calif. Hook locking mechanism. 2,664,175, Dec. 29.

Hertenstein, Edgar W., Jr., Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling fluids. 2,642,675, June 23.

Herter, George L., Waseca, Minn. Squirrel call. 2,629,968, Mar. 3.

Herterick, Vincent R.: *See*—
Winkelmeyer, Robert D., and Herterick.

Herterick, Vincent R., assignor to Wade Electric Products Co., Sturgis, Mich. Light and switch combination. 2,646,477, July 21.

Herterick, Vincent R., Waltham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical assembly. 2,644,045, June 30.

Hertig-Hüsler, Sonja, and W. Hertig, Bassecourt, Switzerland. Piston syringe for medical use. 2,646,043, July 21.

Hertig, Werner: *See*—
Hertig-Hüsler, Sonja, and Hertig.

Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal apparatus discharger. 2,628,719, Feb. 17.

Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Group controlled electric timer. 2,644,518, July 7.

Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Mingler. 2,654,364, Oct. 6.

Hertwig, Askan: *See*—
Nitzsche, Siegfried, Wiberg, and Hertwig.

Hertz, David B.: *See*—
Piperoux, Rene P., Hertz, and Moeller.

Hertz, Jørgen, Copenhagen, Denmark, vested in the Attorney General of the United States. Spray control system for dishwashing machines. 2,628,628, Feb. 17.

Hertzberg, Philip, Cleveland, Ohio. Joint or coupling between tank ball and lift rod. 2,639,438, May 26.

Hertzler, Elmer A., Brooklyn, N. Y. High vacuum pumping method, apparatus, and techniques. 2,636,664, Apr. 28.

Hertzler, Ralph S., Elverson, Pa. Harvesting machine. 2,662,414, Dec. 15.

Hervert, George L.: *See*—
Linn, Carl B., Hervert.

Hervey, David E., Old Fort, N. C., assignor to Hervey Foundation, Incorporated. Prefabricated house. 2,633,610, Apr. 7.

Hervey Foundation, Incorporated, assignee: *See*—
Hervey, David E.

Hervey, Laurence R. B.: *See*—
Stott, Louis L., and Hervey.

Héry, Edouard, Neuilly-sur-Seine, and K. A. Thorsen, Grenoble, France. Paper pulp beating engine. 2,647,444, Aug. 4.

Herz, Harry: *See*—
Herz, Josephine D., and H. Herz.

Herz, Josephine D., and H. Herz, Fort Pierce Beach, Fla. Bed guard. 2,649,594, Aug. 25.

Herzbrun, Isadore: *See*—
Schultis, Charles F., and Herzbrun.

Herzfeld, Louis M., Beverly Hills, Calif. Upper engine lubricating device. 2,658,494, Nov. 10.

Herzig, Albert M., assignee: *See*—
Terry, Paul A.

Herzig, Leonard A., and M. Coan, Jackson Heights, N. Y., assignors to A. R. Stern, San Diego, Calif. Method of and apparatus for removing stacked articles. 2,652,161, Sept. 15.

Herzog, Carl, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Dies for forming reference surfaces on articles circular in cross-sections. 2,630,727, Mar. 10.

Herzog, Carl, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Armature loading and position indicating apparatus. 2,633,565, Mar. 31.

Herzog, Carl, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Article feeding apparatus. 2,642,978, June 23.

Herzog, Carl, Belleville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming articles. 2,663,120, Dec. 22.

Herzog, Carl, assignor to Eternit A.-G., Niederurnen, Glarus, Switzerland. Making corrugated slabs. 2,645,269, July 14.

Herzog, Eduard, Zurich, Switzerland. Bed, especially a camp bed. 2,639,442, May 26.

Herzog, Eleanor G., executrix: *See*—
Herzog, Joseph L.

Herzog, Gerald B., New Brunswick, N. J., assignor to Radio Corporation of America. Frequency controlled oscillator system. 2,663,800, Dec. 22.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Electrical analogue. 2,630,511, Mar. 3.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Viscosity measuring device. 2,643,543, June 30.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Neutron borehole logging. 2,644,891, July 7.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Combination induced and scattered gamma ray borehole logging. 2,648,780, Aug. 11.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Prospecting. 2,656,470, Oct. 20.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Prospecting. 2,656,471, Oct. 20.

Herzog, Gerhard, and R. P. Mazzagatti, Houston, Tex., assignors to The Texas Company, New York, N. Y. Detection and measurement of radiation. 2,648,781, Aug. 11.

Herzog, Gerhard, and A. S. McKay, Houston, Tex., assignors to The Texas Company, New York, N. Y. Radioactivity method and apparatus for borehole logging. 2,652,496, Sept. 15.

Herzog, Gerhard, and B. D. Lee, Houston, Tex., assignors to The Texas Company, New York, N. Y. Electrical analogue. 2,661,897, Dec. 8.

Herzog, Joseph L., deceased, New York, N. Y., by E. G. Herzog, executrix, assignor to R. S. Herzog, New York, N. Y., and M. S. Herzog, Denver, Colo. Record keeping machine and card units. 2,662,528, Dec. 15.

Herzog, Martin O., Fort Hood, Tex. Rod holder. 2,624,536, Jan. 6.

Herzog, Michael S., assignee: *See*—
Herzog, Joseph L.

Herzog, Miriam S., Riverdale, N. Y. Insulated undergarment. 2,637,035, May 5.

Herzog, Robert S., assignee: *See*—
Herzog, Joseph L.

Herzstark, Curt, assignee: *See*—
Mark, Franz.

Herzstark, Curt, Mauren, Liechtenstein. Measuring leg with an adjustable measuring surface for gauges. 2,628,429, Feb. 17.

Hesch, Frederick H., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation. Polishing aluminum. 2,646,806, June 2.

Heseltine, Donald W.: *See*—
Brooker, Leslie G. S., and Heseltine.

Heseltine, Donald W., assignor to Eastman Kodak Company, Rochester, N. Y. Synthesis of quinaldinium salts. 2,646,433, July 21.

Heseltine, Donald W., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Synthesis of lepidinium salts. 2,636,035, Apr. 21.

Hesling, Stephen: *See*—
Haresnape, John N., and Hesling.

Hespenheide, Wilbur G.: *See*—
Faust, Charles L., and Hespenheide.

Hess, Alexander M., Jamaica, N. Y. Domestic apparatus. 2,630,922, Mar. 10.

Hess, Alexander M., Jamaica, N. Y. Hinge accessory. 2,662,242, Dec. 15.

Hess, Alexander M., New York, N. Y. Pleating. 2,627,310, Feb. 3.

Hess, Alexander M., New York, N. Y. Pleating tape for draperies. 2,629,436, Feb. 24.

Hess, Alexander M., New York, N. Y. Shelf. 2,640,599, June 2.

Hess, Alexander M., New York, N. Y. Kitchen appliance, scraper-collector. 2,649,604, Aug. 25.

Hess, Alexander M., New York, N. Y. Pleating. 2,656,886, Oct. 27.

Hess, Arthur, Kriens, Canton Lucerne, Switzerland. Wrapping apparatus for articles of circular cross section. 2,642,708, June 23.

Hess, Bryce M., Chicago, Ill. Drier for granular material. 2,660,810, Dec. 1.

Hess, Carl B., New York, N. Y., and H. M. Richardson, Springfield, Mass., assignors to Brasco Manufacturing Company, Harvey, Ill. Nailable material from natural rubber or butadiene-styrene copolymer, plasticizer, cellulose, and asbestos. 2,663,693, Dec. 22.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heating. 2,625,387, Jan. 13.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Continuous furnace. 2,638,333, May 12.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Apparatus for heat treatment of fluent substances. 2,638,879, May 19.

Hess, Frederic O., Philadelphia, and J. Kniveton, Wyncote, assignors to Selas Corporation of America, Philadelphia, Pa. Furnace control system. 2,664,283, Dec. 29.

Hess, Frederick P., assignor to The Enterprise Manufacturing Co. of Pennsylvania, Philadelphia, Pa. Drilling cutting plates. 2,625,846, Jan. 20.

Hess, Howard V.: *See*—
Arnold, George B., and Hess.
Arnold, George B., Hess, and Skelton.
Arnold, George B., Hess, Skelton, and Overbaugh.
Arnold, George B., Truitt, and Hess.
Moore, Frank J., and Hess.
Pevere, Ernest F., Hess, and Arnold.
Skelton, William E., Hess, Arnold, and Mahan.

Hess, Howard V., Beacon, G. B. Arnold, Glenham, W. E. Skelton, Beacon, and W. V. Overbaugh, Fishkill, assignors to The Texas Company, New York, N. Y. Continuous process for separation of waxlike constituents from oil. 2,635,986, Apr. 21.

Hess, Howard V., Beacon, G. B. Arnold, Glenham, and L. Kovach, Beacon, assignors to The Texas Company, New York, N. Y. Azeotropic distillation for recovery of aromatic fractions containing naphthalene. 2,648,624, Aug. 11.

Hess, Howard V., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Separating polycyclic aromatic compounds from organic mixtures. 2,652,435, Sept. 15.

Hess, Howard V., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Separating polycyclic aromatic compounds from organic mixtures. 2,652,436, Sept. 15.

Hess, Howard V., Beacon, G. B. Arnold, Glenham, and M. L. Drabkin, assignors to The Texas Company, New York, N. Y. Treating synthesis product. 2,653,960, Sept. 29.

Hess, Jack, Houston, assignor of fifty percent to S. Velotta, Harris County, and thirty-seven and one-half percent to I. S. Warner, Houston, Tex. Balanced rotary valve assembly. 2,634,087, Apr. 7.

Hess, Jacob, Forest Hills, assignor to General Bronze Corporation, Garden City, N. Y. Spring assembly. 2,637,875, May 12.

Hess, Jacob, Forest Hills, assignor to General Bronze Corporation, Garden City, N. Y. Spring assembly. 2,659,929, Nov. 24.

Hess, Lawrence J.: *See*—
Wilson, Tom, and Hess.

Hess, Theophil A., assignor to Duro Metal Products Co., Chicago, Ill. Belt and pulley drive means for tiltable saws and the like. 2,626,639, Jan. 27.

Hessdoerfer, Carl, Cincinnati, assignor to The Dyment Company, Cleveland, Ohio. Combined easel and scroll sign. 2,630,641, Mar. 10.

Hesse, Richard, assignor to United Elastic Corporation, Easthampton, Mass. Elastic material. 2,646,828, July 28.

Hesse, Stanley H.: *See*—
Chiddix, Max E., Hesse, and Seiferle.

Hesse, Stanley H., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Process of preparing α-acetopyridines. 2,624,740, Jan. 6.

Hesselgesser, Mary F. L., Baker, Nev. Hand scrubbing device for amputees. 2,641,013, June 9.

Hessert, Raymond M., Larchmont, N. Y. Document photographing machine. 2,627,203, Feb. 3.

Hesson, Charles M., assignor to Chisholm-Ryder Company of Pennsylvania, Hanover, Pa. Can labeling machine. 2,626,075, Jan. 20.

Hesson, James C., assignor to Cardox Corporation, Chicago, Ill. Pilot controlled valve for fire extinguishing systems. 2,624,365, Jan. 6.

Hesson, Ralph H., Brooklyn, N. Y. Implement for decorating walls and other surfaces. 2,637,272, May 5.

Hester, Dwight, Chicago, Ill. Liquid dispenser. 2,645,388, July 14.

Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Facsimile recorder with automatic start-stop. 2,636,938, Apr. 28.

Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Variable frequency oscillator. 2,638,550, May 12.

Hester, Frank A., assignor to Faximile, Inc., New York, N. Y. Facsimile system wherein the recording is a modification of the copy. 2,657,258, Oct. 27.

Hester, Harry W., Chenoa, assignor of one-third to G. C. Simpson, St. Charles, and one-third to R. H. Wendt, Chicago, Ill. Gas-operated self-ejecting and self-loading firearm. 2,637,247, May 5.

Hester, Harry W., Chenoa, Ill. Side delivery hayrake. 2,660,022, Nov. 24.

Hester, Levi C., deceased, Jacksonville, Fla.; E. J. Richardson, executrix of said L. C. Hester, assignor to Hester Plow Co., Inc., Jacksonville, Fla. Tractor mounted disk plow. 2,628,547, Feb. 17.

Hester, Levi C., deceased, Jacksonville, Fla.; E. J. Richardson, executrix of said L. C. Hester, assignor to Hester Plow Co., Inc., Jacksonville, Fla. Two-way disk plow. 2,633,066, Mar. 31.

Hester, Levi C., assignor to Hester Plow Co. Inc., Jacksonville, Fla. Ditching side plow for use on tractors. 2,655,087, Oct. 13.

Hester Plow Co. Inc., assignee: *See*—
Hester, Levi C.

Hester, Robert G.: *See*—
Mann, Estle R., and Hester.

Hester, William F., deceased, late of Drexel Hill, Pa., by Rohm & Haas Company, assignee, Philadelphia, Pa. Fungicidal salts of alkylene bisdithiocarbamic acid. Re. 23,742, Nov. 24.

Hesterman, Francis C., Elgin, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Tubemaking apparatus. 2,635,572, Apr. 21.

Hestermann, Augusto E., Malaver, Argentina. Safety brooch-fastening device. 2,639,482, May 26.

Heston, Bernard O.: *See*—
Walker, John C., and Heston.

Heth, Sherman C.: *See*—
Krause, Norman R., and Heth.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Nonwinding header auger. 2,653,701, Sept. 29.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Self-cleaning air precleaner. 2,661,810, Dec. 8.

Hetherington, Inc., assignee: *See*—
Schellman, Joseph H.

Hetherington, Lionel S., Baldwin, N. Y. Illuminated tap. 2,631,393, Mar. 17.

Hetrick, John W., Newport, Pa. Safety cushion assembly for automotive vehicles. 2,649,311, Aug. 18.

Hettinger, Charles, Englewood, N. J. Method involved in the apparatus for mechanically applying seeds to dough forms. 2,642,821, June 23.

Hettinger, Charles, West Englewood, N. J. Machine for applying seeds to dough forms. 2,642,833, June 23.

Hettinger, Henry C., Chicago, Ill. Well point core. 2,627,315, Feb. 3.

Hettinger, Sidney V., Jr.: *See*—
Youngren, Harold T., and Hettinger.

Hettinger, Sidney V., Jr., Westchester, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission brake servomotor. 2,638,750, May 19.

Hettrick, Carl R., Terrace Park, Ohio. Writing implement flashlight attachment. 2,663,791, Dec. 22.

Hettrick Manufacturing Company, The, assignee: *See*—
Smith, William I.
Wallace, Earl C.
Wallace, Earl C., and Meekin.

Hetzel, Max, F. A. Mast, and H. E. W. Thiemann, assignors to Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule Zurich, Zurich, Switzerland. Schlieren cathode-ray light modulator with modulating liquid on concave mirror. 2,644,938, July 7.

Hetzel, Stanford J., Cheltenham, Pa. Cushion lining for dentures. 2,645,012, July 14.

Heuboski, Walter J., and H. T. Milgrom, Chicago, Ill. Pessary. 2,664,082, Dec. 29.

Heuer, Henry B., Flint, Mich. Utensil holder. 2,658,707, Nov. 10.

Heuer, Lawrence H., assignor to Automotive Spring Corporation, Detroit, Mich. Snap-in deformable clip holder. 2,658,247, Nov. 10.

Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Self-contained replaceable panels for open hearth furnaces. 2,637,286, May 5.

Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Basic refractory brick and process. 2,639,993, May 26.

Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Unburned refractory brick. 2,656,279, Oct. 20.

Heuer, Russell P., Villanova, Pa., assignor to General Refractories Company. Stabilizing chrome ores of the transvaal type for refractory brick. 2,656,280, Oct. 20.

Heuer, Russell P., Villa Nova, and M. A. Fay, Narberth, assignors to General Refractories Company, Philadelphia, Pa. Refractory furnace roof brick resistant to spalling. 2,652,793, Sept. 22.

Heuman, Ernest, West End, N. J. Rolled collar stay. 2,656,542, Oct. 27.

Heun, Rudolph G., Schuyler, Nebr. Grain unloading attachment. 2,625,001, Jan. 13.

Heuneman, Fred, Livingston, N. J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Hacksaw frame with spare blade storage chamber. 2,638,541, Nov. 10.

Heuser, Henry V., assignor to Henry Vogt Machine Company, Louisville, Ky. Automatic sediment purger for tube ice machines. 2,657,547, Nov. 3.

Heuser, Henry V., and W. H. Fitzner, assignors to Henry Vogt Machine Company, Louisville, Ky. Machine for producing ice cubes and crushed ice. 2,648,203, Aug. 11.

Heuser, Leon J.: *See*—
Lott, William A., Bernstein, and Heuser.

Heuser, Leon J., Robbinsville, N. J., assignor to Mathieson Chemical Corporation, New York, N. Y. Crystallization of streptomycins. 2,633,464, Mar. 31.

Heuser, Leon J., Robbinsville, N. J., assignor to Mathieson Chemical Corporation, New York, N. Y. Obtaining crystalline salts of streptomycins. 2,643,249, June 23.

Heusser, Wilfrid, Salt Lake City, Utah. Piston ring assembly for the pistons of internal-combustion engines. 2,635,932, Apr. 21.

Heusser, Wilfrid, Salt Lake City, Utah. Piston for internal-combustion engines. 2,638,391, May 12.

Hewat, Thomas, San Francisco, Calif. Work holding clamp with an angularly adjustable pressure element. 2,642,905, June 23.

Hewes, Ralph W., and S. M. Phelps, assignors to General Railway Signal Company, Rochester, N. Y. Speed indicating and recording device. 2,651,772, Sept. 8.

Hewett, Colin L., Lancaster Place, London, England. Isolation of cholesterol from wool wax alcohols. 2,650,929, Sept. 1.

Hewitt, Ellis E.: *See*—
May, Harry C., and Hewitt.

Hewitt, Elmer S., Wilmette, Ill. Door latch. 2,626,824, Jan. 27.

Hewitt, Eric J., Dobbs Ferry, and M. Berdick, New York, assignors to American Chicle Company, Long Island City, N. Y. Chewing gum base material. 2,635,964, Apr. 21.

Hewitt, George W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defocusing of electrons. 2,636,999, Apr. 28.

Hewitt, George W., and J. S. Lagarias, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,661,809, Dec. 8.

Hewitt, John: *See*—
Spencer, Arthur, and Hewitt.

Hewitt, John C., Jr., Long Beach, Calif. Well surveying instrument. 2,644,242, July 7.

Hewitt, John C., Long Beach, Calif. Well instrument, including pressurized battery. 2,654,960, Oct. 13.

Hewitt, John C., Jr., Long Beach, Calif. Directional indicating instrument. 2,656,505, Oct. 20.

Hewitt, John C., Jr., Long Beach, Calif. Oil well survey instrument. 2,656,616, Oct. 27.

Hewitt-Robins Incorporated, assignee: *See*—
Bankauf, William F.
Bankauf, William F., Herrmann, and Ross.
Bible, Howard W., Jr.
Jackson, Reuben U.
Petterson, Reinhardt, and Weygandt.

Hewlett, Clarence W., Jr., Marblehead, Mass., assignor to General Electric Company. Variable reluctance tuned circuit alternating current motor and operating the same. 2,630,540, Mar. 3.

Hewlett, Clarence W., Jr., Marblehead, Mass., assignor to General Electric Company. Saturable core converter. 2,633,561, Mar. 31.

Hewlett-Packard Company, assignee: *See*—
Bowman, David F.
Byrne, John F.
Hewlett, William R., and Zeidler.
Kingman, Rufus M.

Hewlett, William R., and H. M. Zeidler, assignors to Hewlett-Packard Company, Palo Alto, Calif. High-frequency generator. 2,652,511, Sept. 15.

Hewson, Thomas A., Medfield, assignor to Lessells and Associates, Inc., Boston, Mass. Apparatus for performing chemical tests. Re. 23,634, Mar. 24.

Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Shedding mechanism for looms. 2,633,874, Apr. 7.

Heyck, Joseph G., Tampa, Fla. Browband. 2,628,361, Feb. 17.

Heyden Chemical Corporation, assignee: *See*—
Barth, Robert H.
Fiscella, Carl T.
Klein, David X., and Curgan.
Klein, David X., Girard, and Johnson.
Peet, Robert B.
Sokol, Herman, and Popino.

Heyden, Leslie G.: *See*—
Pfeifer, Raymond B., and Heyden.

Heydenburg, Norman P., Silver Spring, Md., and R. B. Roberts, Washington, D. C. Fuze time computer. 2,663,496, Dec. 22.

Heyer, Arthur J., Oak Park, and F. K. Moore, assignors to The Heyer Corporation, Chicago, Ill. Hand manipulable duplicator. 2,632,387, Mar. 24.

Heyer, Benjamin F. W., Belleville, N. J. Battery service kit and container therefor. 2,633,237, Mar. 31.

Heyer Corporation, The, assignee: *See*—
Heyer, Arthur J., and Moore.

Heyer, Don, Los Angeles, Calif. Power feed apparatus. 2,624,319, Jan. 6.

Heyer, Eric H., Los Angeles, Calif. Automatic illumination system. 2,659,038, Nov. 10.

Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Reversible tubular lock mechanism. 2,649,325, Aug. 18.

Heygel, Paul R., Asheville, N. C., assignor to Ecusta Paper Corporation. Winding machine. 2,632,607, Mar. 24.

Heyl, Frederick W., and M. E. Herr, assignors to The Upjohn Company, Kalamazoo, Mich. Partial synthesis of pregnenolone. 2,647,909, Aug. 4.

Heyl, Frederick W., and M. E. Herr, assignors to The Upjohn Company, Kalamazoo, Mich. Steroid halonitriles. 2,654,765, Oct. 6.

Heyl & Patterson, Inc., assignee: *See*—
Criner, Harry E., and Rose.
Rose, Bennie A., and Osojnak.

Heym, Lothar S., Youngstown, Ohio. Universal joint. 2,653,456, Sept. 29.

Heyman, Arthur W., assignor to Good Shepherd Home, Allentown, Pa. Rotary internally-fired kiln. 2,633,347, Mar. 31.

Heyman, Moses D., Woodmere, N. Y. Machine for washing mica pieces and the like. 2,628,461, Feb. 17.

Heyman, Moses D., Woodmere, N. Y. Means and method for producing a continuous sheet of integrated mica. 2,659,412, Nov. 17.

Heyman, Sam, New Bedford, Mass. Collapsible reclining chair. 2,659,416, Nov. 17.

Heymans, Joseph A., South Gate, Calif. Restraining device. 2,664,083, Dec. 29.

Heymes, Pierre R., and I. Peyches, assignors to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for the production of fibers from thermoplastics. 2,624,912, Jan. 13.

Heyn, Henry M., assignor to Surface Combustion Corporation, Toledo, Ohio. Heat-treating furnace. 2,624,561, Jan. 6.

Heyna, Johannes, Frankfurt am Main Unterliederbach, and W. Schumacher, Frankfurt am Main, assignors to Farbwerke Hoechst Aktiengesellschaft vormals meister Lucius und Bruning, Frankfurt am Main-Hochst, Germany. Dyes containing a vinyl sulfone. 2,657,205, Oct. 27.

Heyne, William O., Epsom, assignor of one-half to T. J. Brooks (Autos) Limited, Leicester, England. Electrical stop motion for knitting machines. 2,654,238, Oct. 6.

Heynen, Wilhelm: *See*—
Martin, Wilhelm, and Heynen.

Heys, George, Dayton, Ohio. Fishing tackle box. 2,629,644, Feb. 24.

Heytow, Solomon, and R. H. Peterson, Chicago, Ill. Musical instrument. 2,649,006, Aug. 18.

Heyward, Mary E., Brockton, Mass., assignor to American Hospital Supply Corporation, Evanston, Ill. Stand and bassinet combination. 2,654,098, Oct. 6.

Heywood, R. R., Co., Inc., assignee: *See*—
Morrison, Nathan H.

Heywood-Wakefield Company, assignee: *See*—
Sellers, Austin C.

Hiatt, Ester L., assignee: *See*—
Wallace, Clarence E.

Hiatt, Gordon D., and R. F. Williams, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilized cellulose lower alkanoates. 2,652,340, Sept. 15.

Hiatt, Herbert D., Indianapolis, G. P. McCord, Oklandon, and L. C. Peterson, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Rendering a pneumatic tire inner tube substantially static-free. 2,650,641, Sept. 1.

Hiatt, William C., and W. B. Cheney, New Haven, Ind., assignors to International Harvester Company. Quench tank for heat-treating processes. 2,638,909, May 19.

Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier-powered motor with dynamic braking. 2,632,873, Mar. 24.

Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inductive-interference preventive-means. 2,636,995, Apr. 28.

Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier-powered equipment. 2,636,997, Apr. 28.

Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulsating-current motor. 2,653,286, Sept. 22.

Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier-powered vehicle. 2,653,287, Sept. 22.

Hibbeler, Otto H., Omaha, Nebr. Mailbox letter holding assembly. 2,634,050, Apr. 7.

Hibbs, Arthur N.: *See*—
Dodds, Robert B., and Hibbs.
Dodds, Robert B., Hibbs, and Napier.

Hibshman, Henry J., Plainfield, N. J., assignor to Standard Oil Development Company. Recovery of organic oxygen-containing compounds from mixtures of hydrocarbon oils. 2,626,276, Jan. 20.

Hice, Jaxon O., and J. J. Meadows, assignors to Seapak Corporation, St. Simons Island, Ga. Batter applying apparatus. 2,655,127, Oct. 13.

Hicguet, Max, Paris, France. Manufacture of magnesia and calcium carbonate. 2,637,545, May 5.

Hichman, Henry E.: *See*—
Turton, Arthur, and Hickman.

Hicker, Arthur A.: *See*—
Hoffman, Joseph D., Rees, and Hucker.

Hickerson, Ruric T., Little Rock, Ark. Leg brace. 2,632,439, Mar. 24.

Hickes, Willis F.: *See*—
Bragg, David K., Hickes, and Neuman.

Hickey, Eldon E., assignee: *See*—
Waltman, Adolf E.

Hickey, Flora R., Miami, Fla. Girdle construction. 2,633,575, Apr. 7.

Hickey, George M., Paoli, Pa., assignor to J. Bishop & Co. Platinum Works. Hypodermic syringe. 2,656,836, Oct. 27.

Hickey, George M., Paoli, assignor to J. Bishop & Co. Platinum Works, Malvern, Pa. Disposable syringe. 2,661,740, Dec. 8.

Hickey, Henri J., Norwalk, Ohio. Internal-combustion engine. 2,647,498, Aug. 4.

Hickey, James, Portland, Oreg. Hem sewing attachment for sewing machines. 2,661,710, Dec. 8.

Hickey, John H., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Method of producing a purified coke. 2,624,698, Jan. 6.

Hickey, John S., Jr., Scotia, N. Y., assignor to General Electric Company. Bonding nickel structures. 2,627,110, Feb. 3.

Hickey, William W.: *See*—
Clark, Carleton L., Vicario, Lyons, Smith, and Hickey.

Hickin, Robert J.: *See*—
Champlin, Charles L., Ellsworth, and Hickin.

Hickin, Robert J., assignor to The Ohio Boxboard Company, Rittman, Ohio. Frangible means for dispensing cartons. 2,626,096, Jan. 20.

Hickin, Robert J., assignor to The Ohio Boxboard Company, Rittman, Ohio. Carton erecting mechanism. 2,653,524, Sept. 29.

Hickman, Albert F., assignor to Hickman Industries Inc., Eden, N. Y. Thrust bearing. 2,628,870, Feb. 17.

Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Seat. 2,636,544, Apr. 28.

Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Scoop for rotary snowplows. 2,650,439, Sept. 1.

Hickman, Albert F., Eden, N. Y. Rotary fluid motor or pump. 2,650,573, Sept. 1.

Hickman, Albert F., Eden, N. Y. Spring suspension for tandem axle trucks. 2,663,570, Dec. 22.

Hickman, Clarence N., Albuquerque, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Integrating accelerometer. 2,659,589, Nov. 17.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Multiple nozzle rocket. 2,633,702, Apr. 7.

Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic recorder. 2,648,589, Aug. 11.

Hickman Industries, Inc., assignee: *See*—
Hickman, Albert F.

Hickman, Paul: *See*—
Catlin, Robert T., Cummings, Eckstein, and Hickman.

Hickok Manufacturing Company, Inc., assignee: *See*—
Brown, Robert A.
Hickok, Raymond T.
Katzman, Oscar.
Meeker, William H.
Spanganberg, Clifford A.
Valsey, Harold C., and Whitehouse.
Valsey, Samuel J.
Whitehouse, John R.
Whitehouse, John R., and Valsey.

Hickok, Raymond T., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Apparel belt. 2,625,690, Jan. 20.

Hickok, W. O., Mfg. Co., The, assignee: *See*—
Thompson, Robert J.

Hicks, Boyd C., Patterson, Calif. Agricultural rake. 2,635,411, Apr. 21.

Hicks, Boyd F.: *See*—
Hicks, Sylvanous B. and B. F.

Hicks, Carl D.: *See*—
Platt, Donald R., Porterfield, and Hicks.

Hicks, Ernest M., Kingston, assignor to Ulster Foundry Corporation, New York, N. Y. Brick handling machine. 2,634,869, Apr. 14.

Hicks, Horace W., Omaha, Nebr. Rail bond. 2,630,974, Mar. 10.

Hicks, Howard L.: *See*—
Aitchison, Robert B., Hicks, and Craig.

Hicks, James C.: *See*—
Austin, Leslie W., and Hicks.

Hicks, James C., Menlo Park, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Preparation of magnesium oxide. 2,641,532, June 9.

Hicks, John N., and M. F. Supy, Kingsport, Tenn., and R. H. McDavid, Gate City, Va., assignor to Kingsport Press, Inc. Book pressing and drying machine. 2,636,195, Apr. 28.

Hicks, Russell, assignee: *See*—
Unsinger, Philip H.

Hicks, Sylvanous B. and B. F., Stockton, Calif. Welt brace-laying tool. 2,661,487, Dec. 8.

Hicks, Walter R., Manhasset, assignor, by mesne assignments, to Aircall, Inc., New York, N. Y. Automatic paging system. 2,640,887, June 2.

Hicks, William T., Glen Rock, and D. V. Waters, Lebanon, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic takeup mechanism. 2,661,161, Dec. 1.

Hicks, William W., assignor to Ionics, Inc., San Francisco, Calif. Ion controller. 2,639,972, May 26.

Hicks, William W., assignor to Ionics, Inc., San Francisco, Calif. Ion controller. 2,640,158, May 26.

Hicks, William W., assignor to Ionics, Inc., San Francisco, Calif. Baseboard heater construction. 2,654,017, Sept. 29.

Hidy, Elmo D., Cincinnati, Ohio. Degree-day register. 2,652,724, Sept. 22.

Hieb, Herbert, Des Moines, Iowa. Means for securing wheels to tubular legs. 2,635,011, Apr. 14.

Hiebert, Alvin L.: *See*—
Tasker, Homer G., Hiebert, Kelsey, and Osborne.

Hieger, Robert H., Detroit, Mich. Carburetor economizer mechanism. 2,627,279, Feb. 3.

Hieger, Robert H., Detroit, Mich. Economizer unit for carburetors. 2,631,832, Mar. 17.

Hieger, Robert H., Detroit, Mich. Carburetor acceleration pump. 2,633,085, Mar. 31.

Hieger, Robert H., Detroit, Mich. Fuel gauge for internal-combustion engine carburetors. 2,659,152, Nov. 17.

Hiehle, Michael E., Syracuse, and P. W. Morse, Elnora, N. Y., assignors to General Electric Company. Choke joint high-frequency heater. 2,627,571, Feb. 3.

Hiersach, Frederick A., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Heat exchanger. 2,633,338, Mar. 31.

Hiersteiner, Walter, assignor to Tension Envelope Corporation, Kansas City, Mo. Container. 2,631,772, Mar. 17.

Higbee, Eliza H., Richmond, and L. G. Girton, Orange, Va., assignors to Remington Rand Inc., New York, N. Y. Nurse's bag. 2,648,366, Aug. 11.

Higginbotham, Edwin S., assignor to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Liquid dispensing device. 2,639,944, May 26.

Higgins, Anthony J., Pasadena, Calif. Grip-nut for sheet metal fastening. 2,630,733, Mar. 10.

Higgins, Charles A., assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Frequency shift teleprinter. 2,654,025, Sept. 29.

Higgins, Earl H., assignor of one-half to Claude S. Hay, Brockton, Mass. Cigarette making machine. 2,633,133, Mar. 31.

Higgins, Edward N., Emsworth, and V. P. Evans, McKees Rocks, assignors to H. J. Heinz Company, Pittsburgh, Pa. Preparation of canned products. 2,641,176, June 9.

Higgins, Fred H., and W. V. Young, Casper, Wyo. Time and wage calculator. 2,634,054, Apr. 7.

Higgins, Gerry L., San Diego, Calif. Hole-cutting device. 2,653,595, Sept. 29.

Higgins, Harold T., Hyde Park, Mass. Safety control and signal system for motor vehicles. 2,629,085, Feb. 17.

Higgins, Jason E., Kermit, Tex. Gauge reel brake and wiper. 2,662,700, Dec. 15.

Higgins, Louis W.: *See*—
Robertson, William, and Higgins.

Higgins, Merrill W.: *See*—
Rogers, Wayne C., and Higgins.

Higgins, Richard L., Detroit, Mich. Remotely adjustable rearview mirror. 2,664,029, Dec. 29.

Higgins, William F., Salford, assignor to Magnesium Elektron Limited, Clifton Junction, England. Electrodeposition on magnesium and magnesium-base alloys. 2,650,902, Sept. 1.

Higgins, William F., and R. G. Wilkinson, assignors to Magnesium Elektron Limited, Clifton Junction, near Manchester, England. Electric primary cell. 2,641,622, June 9.

Higgs, George W., London, England. Infant incubator. 2,633,842, Apr. 7.

Higgs, John B., Prospect, South Australia, assignor to British Tube Mills (Australia) Proprietary Limited, Kilburn, South Australia, Australia. Mechanism for operating counters for draw benches. 2,651,465, Sept. 8.

Higgs, Morton C.: *See*—
Parsons, Joseph R., Higgs and Loos.

Higgs, Morton C., Whittier, Calif., and G. Hartwright, assignors to United States Gypsum Company, Chicago, Ill. Bituminous product surfaced with mineral granules and making same. 2,664,362, Dec. 29.

Higgs, Paul M., Seattle, Wash., assignor to the United States of America as represented by the Secretary of the Navy. Recorder for use in missiles. 2,635,033, Apr. 14.

High, Donald A., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification process. 2,661,265, Dec. 1.

High, Fred A.: *See*—
Zelik, Joseph F., Jennings, and High.

High, LeRoy B.: *See*—
Brown, Henry, and High.

Higham, William W., Marion, Ohio, assignor, by mesne assignments, to Tecumseh Products Company, Tecumseh, Mich. Refrigerating apparatus. 2,628,016, Feb. 10.

Highberger, John H., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Forming fibers from collagen. 2,631,942, Mar. 17.

Highland Manufacturing Company, assignee: *See*—
Dodge, Lloyd L.

High Precision, Incorporated, assignee: *See*—
Ayer, Ermon F., and Caldwell.

High Production Machine Co., Inc., assignee: *See*—
Haessler, William J.

Highstone, Harold A., Santa Rosa, Calif. Trip timing meter. 2,651,456, Sept. 8.

Hight, James L., Fort Bragg, N. C. Automatic multiple parachute disconnect device. 2,625,423, Jan. 13.

Hight, John R., Seattle, Wash. Shake resawing means. 2,634,768, Apr. 14.

High Vacuum Processes, Inc., assignee: *See*—
Rutherford, Charles F., Tease, and Troxell.

High Voltage Engineering Corporation, assignee: *See*—
Burrill, Ernest A.
McIntosh, Lloyd R.

Highway Trailer Company, assignee: *See*—
Connors, George H.
Stephen, James.

Higier, Edna, assignee: *See*—
Newbower, Leo.

Higier, Julius, assignee: *See*—
Newbower, Leo.

Higley, Frank R., Cleveland Heights, Ohio. Chromatic aerial top. 2,638,703, May 19.

Higley, Frank R., Cleveland Heights, Ohio. Chromatic aerial top. 2,638,704, May 19.

Hignett, Harold W. G., Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Cast iron. 2,652,324, Sept. 15.

Hignett, Harold W. G., and P. Hersch, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y. Alkaline storage battery and preventing its self-discharge. 2,653,180, Sept. 22.

Higonnet, René: *See*—
Gréa, René, Higonnet, and Moyroud.

Higonnet, René, and L. Moyroud, assignors to Graphic Arts Research Foundation, Inc., Cambridge, Mass. Photographic composing apparatus. 2,652,755, Sept. 22.

Higson, Alice M., executrix: *See*—
Higson, Percy R.

Higson, Percy R., deceased, London, England, by A. M. Higson, executrix, Sidcup, assignor to Vickers-Armstrongs Limited, London, England. Cartridge case ejector for reciprocating breech block type of guns. 2,635,377, Apr. 21.

Hilbert, Richard G.: *See*—
Soussloff, Dimitri G., White, and Hilbert.

Hilburn, Earl D., Silver Spring, Md. Flexible repeater. 2,647,989, Aug. 4.

Hild, Henry F., Merion Park, assignor to Proctor Electric Company, Philadelphia, Pa. Toaster. 2,624,269, Jan. 6.

Hildebrand, Gösta E. H.: *See*—
Rehnqvist, N. G., and Hildebrand.

Hildebrand, Lee E.: *See*—
Kalikow, Irving, Hildebrand, and Lukens.

Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. Sleeve supported electrode for well logging. Re. 23,621, Feb. 24.

Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. Oil well orienting apparatus. 2,648,141, Aug. 11.

Hildemann, Victor: *See*—
Hoyer, Theodore R., and Hildemann.

Hilding, Anderson C., Duluth, Minn. Ski harness. 2,649,306, Aug. 18.

Hildmann, William B., assignor to Brock & Rankin, Chicago, Ill. Jog feeder for books. 2,645,327, July 14.

Hilferty, Daniel J.: *See*—
Haulman, Clyde A., and Hilferty.

Hilgen, Theodore J., assignor to Aurora Equipment Company, Aurora, Ill. Adjustable shelf divider. 2,658,628, Nov. 10.

Hilger & Watts, Limited, assignee: *See*—
Schwarz, Ernst.

Hil-Jon Safety Crown Corporation, assignee: *See*—
Hill, Charles, and Johns.

Hill, Albert E., Tulsa, Okla. Automobile awning. 2,627,913, Feb. 10.

Hill, Albert E., Tulsa, Okla. Gasoline flowmeter. 2,654,245, Oct. 6.

Hill, Albert S., and R. H. Hill, Caddo, Okla. Stock restraining gate. 2,642,840, June 23.

Hill, Alfred G., Martinsville, E. C. Metcalf, Bound Brook, and W. E. Sisco, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Separation of aromatic amines. 2,660,581, Nov. 24.

Hill, Arthur J., Jr.: *See*—
Gresham, William F., and Hill.

Hill, Benjamin, Frazer, Pa. Traction apparatus. 2,640,480, June 2.

Hill, Boyd N., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of hydrocarbon synthesis naphtha. 2,651,654, Sept. 8.

Hill, C. V., & Company, Inc., assignee: *See*—
Morris, Harry A.
Smith, Victor W.

Hill, Charles, Reno, Nev., and C. K. Johns, New York, N. Y. Spring winding device for watches. 2,632,993, Mar. 31.

Hill, Charles, Reno, Nev., and C. K. Johns, New York, assignors to Hil-Jon Safety Crown Corporation, Brooklyn, N. Y. Overload release coupling. 2,637,987, May 12.

Hill, Charlotte R., administratrix: *See*—
Droste, Paul F., and Hill.

Hill, Claude I., Oak Harbor, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Automatic air lift control. 2,640,731, June 2.

Hill, David, Brooklyn, N. Y., assignor to G. Hill, North Hollywood, Calif. Key container. 2,657,569, Nov. 3.

Hill, Earl J., deceased, North Durham, N. C.; W. T. Hill, administrator of said E. J. Hill, assignor of one-half to G. W. Ferrell and one-half to Z. T. Hampton, Durham, N. C. Toilet paper holder. 2,658,690, Nov. 10.

Hill, Edgar A. G., Wembley, and N. K. Lovatt, St. Albans, assignors to Rollnick & Gordon Limited, Wembley, England. Motor pump unit and cooling means. 2,661,146, Dec. 1.

Hill, Edward D., Cleveland, Ohio. Ink carrier and making. 2,631,358, Mar. 17.

Hill, Edwin J., Decatur, Ill. Portable rack for vacuum cleaners and accessories. 2,634,189, Apr. 7.

Hill, Eldon J., assignor to Burdick-Baron Company, Dallas, Tex. Advertising sign. 2,659,170, Nov. 17.

Hill, Eldon J., assignor to Burdick-Baron Company, Dallas, Tex. Advertising sign. 2,659,171, Nov. 17.

Hill, Elvin, Andersonville, assignor of twenty per cent to J. H. Collett, Maynardville, and five per cent to H. T. Spoden, Knoxville, Tenn. Automatic intermittent feed-and-cut cordwood saw. 2,663,330, Dec. 22.

Hill, Eugene F., Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Stabilized motor fuel. 2,635,042, Apr. 14.

Hill, Eugene F., Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Purification of sodium alcoholates. 2,662,100, Dec. 8.

Hill, Eugene F., Detroit, Mich, assignor to Ethyl Corporation, New York, N. Y. Preparation of organic esters. 2,663,720, Dec. 22.

Hill, Eugene F., Detroit, and D. O. De Pree, Birmingham, Mich., assignors to Ethyl Corporation, New York, N. Y. Stabilized organic compositions. 2,651,620, Sept. 8.

Hill, Eugene F., Birmingham, and D. O. De Pree, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Stabilized organic compositions. 2,651,621, Sept. 8.

Hill, Eugene F., Birmingham, and D. O. De Pree, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Stabilized organic compositions. 2,651,622, Sept. 8.

Hill, Eugene F., Birmingham, and D. O. De Pree, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Stabilized organic compositions. 2,651,623, Sept. 8.

Hill, Eugene F., Birmingham, and D. O. De Pree, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Rubber stabilized with a thiourea derivative. 2,651,667, Sept. 8.

Hill, Eugene F., and M. L. Welp, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Synergistic antioxidant composition. 2,657,982, Nov. 3.

Hill, Eugene F., and M. L. Osip, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Synergistic stabilizing compositions. 2,657,983, Nov. 3.

Hill, Eugene F., Birmingham, and D. O. De Pree, Royal Oak, Mich., assignors to Ethyl Corporaiton, New York, N. Y. N-alkyl-N'-(p-hydroxyphenyl) ureas. 2,663,730, Dec. 22.

Hill, Forrest M., Columbus, Ohio. Foldable lounge chair. 2,648,373, Aug. 11.

Hill, George, assignee: *See*—
Hill David.

Hill, George B., New Holland, Pa., assignor to Deere Manufacturing Co., Dubuque, Iowa. Side delivery rake. 2,649,681, Aug. 25.

Hill, George B., assignor to The New Holland Machine Division of the Sperry Corporation, New Holland, Pa. Rotary wheel side delivery rake. 2,657,519, Nov. 3.

Hill, George B., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Side-delivery rake. 2,635,410, Apr. 21.

Hill, George B., New Holland, and D. L. King, Leola, assignors to New Holland Machine Division of The Sperry Corporation, New Holland, Pa. Side delivery rake. 2,657,518, Nov. 3.

Hill, George D., and R. E. Damschroder, assignors to Eastman Kodak Company, Rochester, N. Y. Removal of volatile products from photographic emulsions. 2,646,353, July 21.

Hill, Gilbert F.: *See*—
Wittkuhns, Bruno A., Nutting, and Hill.

Hill, Glenn E., assignor to I. A. Brock, Los Angeles, Calif. Display rail. 2,663,879, Dec. 29.

Hill, Gordon M., Mobridge, S. Dak., assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Alternate line circuits for communication systems. 2,634,401, Apr. 7.

Hill & Griffith Company, The, assignee: *See*—
King, Edward H., and Schumacher.

Hill, Harold G., Chatham, Ontario, assignor to Chatco Steel Products Limited, Tilbury, Ontario, Canada. Thermostatic safety by-pass damper. 2,636,683, Apr. 28.

Hill, Harold S.: *See*—
Coghill, James T., and Hill.

Hill, Harold S., Kenogami, Quebec, assignor to Price Brothers & Company, Limited, Quebec, Canada. Processing wood pulp. 2,660,097, Nov. 24.

Hill, Harold S., Kenogami, Quebec, Canada, and J. T. Coghill, Rochester, N. Y. Processing fibrous pulp. 2,641,164, June 9.

Hill, Harold S., Lockport, N. Y. Oil and air preheater for oil burners. 2,625,211, Jan. 13.

Hill, Howard J.: *See*—
Droste, Paul F., and Hill.

Hill, Hubert M., assignor to Eastman Kodak Company, Rochester, N. Y. Insecticidal composition comprising a thermal decomposition product of pentachlorpentadienoic acid. 2,629,681, Feb. 24.

Hill, Irving, and G. L. Miller, assignors to The Lawrence Paper Company, Lawrence, Kans. Case. 2,663,491, Dec. 22.

Hill, Jerald E., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for measuring power and standing waves in wave guides. 2,660,706, Nov. 24.

Hill, John L., Denver, Colo. Gun action. 2,624,241, Jan. 6.

Hill, John R.: *See*—
White, Clayton F. A., and Hill.

Hill, John V.: *See*—
Booth, Robert B., and Hill.

Hill, Julian W.: *See*—
Ernsberger, Maurice L., and Hill.

Hill, Laurence B., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Case shift mechanism for typewriting machines. 2,631,713, Mar. 17.

Hill, Laurence B., and C. Walker, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Line locking and margin releasing mechanism for typewriting machines. 2,644,566, July 7.

Hill, Luther R.: *See*—
McGrath, Henry G., and Hill.

Hill, Luther R., Ridgewood, and H. G. McGrath, Elizabeth, assignors to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,640,843, June 2.

Hill-Mar Industries Inc., assignee: *See*—
Green, Stanley A.

Hill, Mark L.: *See*—
Smith, Herschel G., Cantrell, and Hill.
Smith, Herschel G., Hill, and Cantrell.

Hill, Marley G., assignor to Charles Ross & Son Company, Brooklyn, N. Y. Multiple roll mill with means for spacing the rolls while being rotatively driven. 2,646,935, July 28.

Hill, Max W.: *See*—
Fischl, Fred B., and Hill.

Hill, Max W., Somerville, N. J., assignor to Standard Oil Development Company. Compounded lubricating oil. 2,644,792, July 7.

Hill, Max W., Somerville, and R. H. Jones, Kenilworth, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,640,053, May 26.

Hill, Norman D.: *See*—
Coales, John F., Elliott, Hill, Hersom, and Tindale.

Hill, Olva E., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,647,504, Aug. 4.

Hill, Olva E., West Boylston, assignor to Norton Company, Worcester, Mass. Multiple wheel grinding machine. 2,648,171, Aug. 11.

Hill, Olva E., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,659,358, Nov. 17.

Hill, Olva E., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,659,359, Nov. 17.

Hill, Olva E., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,660,837, Dec. 1.

Hill, Olva E., West Boylston, and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,640,301, June 2.

Hill, Paul E.: *See*—
Bauer, Ernest K., and Hill.

Hill, Ralph M., Riverside, assignor to Grayhill, Chicago, Ill. Terminal construction for electric coil forms. 2,653,992, Sept. 29.

Hill, Raymond A., San Marino, Calif. Water channel control gate. 2,658,351, Nov. 10.

Hill, Richard H.: *See*—
Hill, Albert S. and R. H.

Hill, Robert H., assignor to himself and H. Hoffman, Elgin, Ill. Control apparatus. 2,644,999, July 14.

Hill, Robert H., and C. M. Keepers, assignors to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Computer reset mechanism. 2,633,268, Mar. 31.

Hill, Robert H., Anderson, and J. H. Guyton, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Control for aerial torpedoes. 2,647,707, Aug. 4.

Hill-Rom Company, Inc., assignee: *See*—
Hillenbrand, William A., and Burst.

Hill, Ronald A., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Dry contact rectifier. 2,657,346, Oct. 27.

Hill, Roscoe L., Norway, Maine, and R. W. Ireland, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,651,063, Sept. 8.

Hill, Vaughn H.: *See*—
Miller, John W., and Hill.

Hill, William H.: *See*—
Robbins, Thomas E., Jr., and Hill.

Hill, William H., Mount Lebanon, assignor to Koppers Company, Inc., Pittsburgh, Pa. Flotation process. 2,628,716, Feb. 17.

Hill, William T., administrator: *See*—
Hill, Earl J.
Smith, Victor W.

Hilland, Henry J., Chicago, Ill. Printer's lockup device. 2,663,258, Dec. 22.

Hillberg, Bror, assignor to Superior Concrete Accessories Inc., Chicago, Ill. Tie rod for concrete wall forms. 2,657,449, Nov. 3.

Hillberg, Bror, assignor to Superior Concrete Accessories Inc., Chicago, Ill. Manufacturing tie rods for concrete wall forms. 2,657,455, Nov. 3.

Hillbom, Tor O., Rottneros, Sweden. Barking machine. 2,657,722, Nov. 3.

Hilldale, John H., assignor to Proctor Electric Company, Philadelphia, Pa. Cooking device. 2,628,738, Feb. 17.

Hillen, Hubert J.: *See*—
Johnson, William E., and Hillen.

Hillenbrand, William A., Franklin County, and F. J. Burst, assignors to Hill-Rom Company, Inc., Batesville, Ind. Safety step for beds. 2,644,961, July 14.

Hiller Helicopters, assignee: *See*—
Hiller, Stanley, Jr.
Hiller, Stanley, Jr., and Sigler.

Hiller, Lejaren A., Jr., Waynesboro, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Activation of cellulose. 2,631,144, Mar. 10.

Hiller, Stanley, Jr., Menlo Park, assignor to Hiller Helicopters, San Mateo County, Calif. Jet-propelled helicopter wing construction. 2,631,676, Mar. 17.

Hiller, Stanley, Jr., Atherton, and H. H. Sigler, San Carlos, assignors to Hiller Helicopters, Palo Alto, Calif. Rotor head for rotary wing aircraft. 2,631,679, Mar. 17.

Hiliger, Ben R., Fort Stockton, Tex. Sand agitator for well pumps. 2,662,486, Dec. 15.

Hillgren, Carl A., Huntington Park, Calif. Door lock. 2,662,386, Dec. 15.

Hillgren, Carl A., Huntington Park, Calif. Door lock. 2,662,388, Dec. 15.

Hilliard, Robert V., and C. T. Baroch, Boulder City, Nev. Extracting and recovering metals by leaching and electrolysis. 2,655,472, Oct. 13.

Hillier, Harold, assignor to G. & J. Weir Limited, Glasgow, Scotland. Closed feed system for steam power plants. 2,636,485, Apr. 28.

Hillier, Harold, assignor to G. & J. Weir Limited, Cathcart, Glasglow, Scotland. Liquid level regulator. 2,638,078, May 12.

Hillier, Harold, assignor to G. & J. Weir Limited, Glasgow, Scotland. Closed feed system for steam power plants. 2,654,581, Oct. 6.

Hillier, Harold, Glasgow, assignor to G. & J. Weir Limited, Cathcart, Glasgow, Scotland. Boiler feed system. 2,656,823, Oct. 27.

Hilliker, Frank T., St. Louis, Mo. Washbasin and fluid dispenser therefor. 2,636,501, Apr. 28.

Hilliker, Frank T., St. Louis, Mo. Detergent dispenser. 2,636,503, Apr. 28.

Hillis, John H.: *See*—
Stephenson, John O., and Hillis.

Hillison, Harold R., Amboy, Ill. Stacked antenna array for television signal reception. 2,655,600, Oct. 13.

Hillman, Conway D.: *See*—
Keuffel, Carl W., Hillman, Baker, and Geier.

Hillman, Othello M., Detroit, Mich., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Automatic shutoff valve. 2,626,632, Jan. 27.

Hillman, Ross H., Rosemont, assignor to The Autocar Company, Ardmore, Pa. Adjustable seat structure. 2,646,839, July 28.

Hills Bros. Coffee, Inc., assignee: *See*—
Hoagland, Hjalmer G.

Hills, Elmer G.: *See*—
Barr, Robert L., and Hills.

Hills, Elmer G., assignor to Belmont Radio Corporation, Chicago, Ill. Antenna array. 2,631,238, Mar. 10.

Hills, Elmer G., Chicago, Ill., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical precipitator circuit. 2,640,559, June 2.

Hills, Leander H., Canandaigua, assignor to The Garlock Packing Company, Palmyra, N. Y. Making sheet material. 2,649,372, Aug. 18.

Hills-McCanna Company, assignee: *See*—
Anderson, Harry J.

Hillyer, John C.: *See*—
Marhofer, Edwin G., and Hillyer.
Hillyer, John C., and J. V. Smith, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of cyclooctadiene. 2,631,173, Mar. 10.
Hillyer, John C., and J. F. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of unsaturated monofluorides. 2,634,300, Apr. 7.
Hillyer, John C., Bartlesville, and C. H. Ice, Norman, Okla., assignors to Phillips Petroleum Company. Dehalogenation of organic compounds. 2,647,934, Aug. 4.
Hi-Loy Company, Inc., assignee: *See*—
Miller, Frank A.
Hilpert, Meier G., Bethlehem, Pa. Reinforced concrete beam. 2,636,377, Apr. 28.
Hilpman, Paul: *See*—
Abbott, William B., and Hilpman.
Hilpman, Paul, Garden City, N. Y., assignor to Mergenthaler Linotype Company. Mold disk driving mechanism for typographical casting machines. 2,638,792, May 19.
Hilpman, Paul, Garden City, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 2,639,478, Nov. 17.
Hilpman, Paul, Garden City, N. Y., assignor to Mergenthaler Linotype company. Safety attachment for tape operated line casting machines. 2,663,407, Dec. 22.
Hilpman, Paul, Garden City, and W. J. Bahm, Brooklyn, N. Y., assignors to Mergenthaler Linotype Company. Typographical composing machine. 2,647,620, Aug. 4.
Hilsinger, Harry A., Jr., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Friction device for operating knobs in adjustable apparatus. 2,660,904, Dec. 1.
Hiltman, Laurence W., Palos Heights, and G. F. Gielow, Brookfield, Ill., assignors, by mesne assignments, to American Seating Company. Seat and aisle lighting. 2,635,681, Apr. 21.
Hiltmann, Rudolf, and K. Bauer, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Isothiuronium salt of penicillin. 2,661,350, Dec. 1.
Hilton, Albert F., Cincinnati, Ohio. Striking bag construction. 2,661,212, Dec. 1.
Hilton, Clarence G., assignee: *See*—
Oak, Noah.
Hilton, Joyce J., St. Louis, Mo. Protective covering for feet or hands. 2,658,510, Nov. 10.
Hilton, Robert J.: *See*—
Meller, John G., Hallonquist, and Hilton.
Hilts, Willard John P.: *See*—
Hansley, Virgil L., and Hilts.
Hilty, Donald C., Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation. Alloy addition agent. 2,628,898, Feb. 17.
Himanit Aktiengesellschaft, assignee: *See*—
Just, Konrad.
Hime, Norman S., assignor to Collins Radio Company, Cedar Rapids, Iowa. Potentiometer. 2,650,974, Sept. 1.
Himel, Chester M.: *See*—
Wagner, Cary R., Axe, and Himel.
Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Separation of isomeric erythritols by fractional crystallization. 2,634,298, Apr. 7.
Himel, Chester M., Palo Alto, Calif., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of erythritols. 2,634,299, Apr. 7.
Himelfarb, Fred: *See*—
Spradlin, Joe D., and Himelfarb.
Himes, John M.: *See*—
Wagner, Robert S., Himes, and Duwe.
Himes, John M., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Planetary wheel suspension for carpet sweepers. 2,659,095, Nov. 17.
Himmel, Robert N., Collingswood, N. J., assignor to Radio Corporation of America. Electrical plug-in assembly. 2,628,270, Feb. 10.
Hinch, William H.: *See*—
Froman, Darol K., Hinch, and Watts.
Jesse, William P., Broxon, and Hinch.
Hinchcliffe, Eric J.: *See*—
Butterworth, Edward, and Hinchcliffe.
Hinchman, Alva K., Bryn Mawr, Pa. Motion-picture film winder. 2,663,509, Dec. 22.
Hinckle, Edward R., Dorchester, Mass. Hydraulic spring hanger. 2,663,534, Dec. 22.
Hinckle, Edward R., Dorchester, Mass. Hydraulic spring hanger. 2,663,535, Dec. 22.
Hincks, William J.: *See*—
Force, Leonard T., Moore, and Hincks.
Hincz, Hipolit M.: *See*—
Wilson, Broadus, and Hincz.
Hindall, Alva L.: *See*—
Carson, William D., and Hindall.
Hindall, Alva L., and W. D. Carson, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Method and apparatus for curing positive storage battery plates. 2,656,399, Oct. 20.
Hinde & Dauch Paper Company, The, assignee: *See*—
Aquino, Salvatore A., and Welshenbach.
Shenigo, Michael G.
Welshenbach, Charles D.
Hinderer, Hermann: *See*—
Jacobi, Werner, Hinderer, and Buchta.
Hinderer, Walter F., Kankakee, Ill. Worktable and sinebar feature. 2,645,067, July 14.
Hinderliter Tool Company Division H. K. Porter Company, Inc., assignee: *See*—
Arrowood, Hubert L.
Hindle, Thomas, Blackburn, England. Loom temple. 2,638,938, May 19.
Hindle, Thomas, Blackburn, England. Loom for weaving. 2,638,941, May 19.
Hindle, Thomas, Blackburn, England. Weft detector and stop motion for weaving looms. 2,638,942, May 19.
Hindley, Nathan C.: *See*—
Isler, Otto, Hindley, and Zeller.
Hindman, Jeanne H., Cincinnati, Ohio. Combination undergarment. 2,659,893, Nov. 24.
Hindmarch, Thomas, Chesham, England. Power transmission mechanism. 2,648,990, Aug. 18.
Hindmarch, Thomas, Chesham, England. Power transmission gear. 2,661,628, Dec. 8.
Hinds, Lloyd E., Los Angeles, Calif. Motorcycle lock. 2,625,813, Jan. 20.
Hinerfeld, Irving, New York, N. Y. Means for granulating plastic materials. 2,639,096, May 19.
Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Circuit checking apparatus. 2,625,596, Jan. 13.
Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Combined pneumatic and dynamic brake apparatus. 2,656,222, Oct. 20.
Hines, Edward A.: *See*—
Capehart, Ashbourne D., and Hines.
Hines Flask Company, assignee: *See*—
Hines, Russell J., and Hintz.
Hines, Marion E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Channel separation light filter. 2,651,715, Sept. 8.
Hines, Pierre R., Portland, Oreg. Differential froth flotation process. 2,664,198, Dec. 29.
Hines, Russell J., and A. C. Hintz, Lakewood, assignors, by mesne assignments, to Hines Flask Company, Cleveland, Ohio. Molding apparatus. 2,641,033, June 9.
Hines, Walter E., Fredericktown, Ohio. Tractor mounted stalk shredding device. 2,656,662, Oct. 27.
Hinesman, George M., Galion, Ohio. Portable stand. 2,646,237, July 21.
Hinger, Roy E.: *See*—
Winkelman, Harvey E., and Hinger.
Hink, John H., Jr., assignor to Cutter Laboratories, Berkeley, Calif. Drying human serum albumin and other heat sensitive biologically active proteins. 2,659,986, Nov. 24.
Hinkamp, James B., Birmingham, Mich., assignor to Ethyl Corporation, New York, N. Y. Preparation of aluminum borohydride. 2,657,975, Nov. 3.
Hinkel, Lester H., Evansville, Ind., assignor to International Harvester Company. Breaker strip construction. 2,644,607, July 7.
Hinkel, Lester H., Evansville, Ind., assignor to International Harvester Company. Refrigerator door with a compartment. 2,656,688, Oct. 27.
Hinkel, Lester H., and J. R. Prosek, Evansville, Ind., assignors to International Harvester Company. Breaker strip construction. 2,644,603, July 7.
Hinkel, Robert D.: *See*—
Manes, Milton, Hofer, and Hinkel.
Hinkle, Hall, Pickens, S. C. Display support for containers. 2,643,082, June 23.
Hinkle, Samuel E., Houston, Tex. Rivet-bucking tool. 2,628,515, Feb. 17.
Hinkle, Samuel E., Houston, Tex. Mounting for aircraft engine cowls. 2,642,853, June 23.
Hinkley, Paul Y., Los Angeles, assignor to C & H Development Company, South Gate, Calif. Saw chain. 2,664,120, Dec. 29.
Hinkley, Ray A., assignor to Corning Glass Works, Corning, N. Y. Glass working machine. 2,637,942, May 12.
Hinman, Donald D., Chagrin Falls, Ohio, assignor to General Electric Company. Movable contact base. 2,626,977, Jan. 27.
Hinman, Dorr J., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for splicing. 2,647,555, Aug. 4.
Hinman, Dorr J., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for making pneumatic tires. 2,649,891, Aug. 25.
Hinman, Joseph M., Plumer, Pa. Receptacle rack. 2,624,467, Jan. 6.
Hinrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Lift plug valve. 2,628,059, Feb. 10.
Hinrichs, Herman A., Tacoma, Wash. Holder for tube dispensers having automatically operable closures. 2,658,646, Nov. 10.
Hinsche, William, Quesnel, British Columbia, Canada. Thong cutting device. 2,648,905, Aug. 18.
Hinsey, Robert S.: *See*—
Feemster, David R., and Hinsey.
Hinsey, Robert S., assignor to The Bingham-Herbrand Corporation, Toledo, Ohio. Mechanism control. 2,637,218, May 5.
Hinsken, Howard W., and H. H. Giesler, Buffalo, N. Y. Folding leg structure for tables. 2,642,325, June 16.

Hinson, Earl K.: *See*—
Preble, Andrew Y., and Hinson.
Hinson, James L., Winfield, Kans. Forage harvester. 2,663,985, Dec. 29.
Hintsala, Elno W., New York Mills, Minn. Cap hanger. 2,663,875, Dec. 29.
Hintz, Arthur C.: *See*—
Hines, Russell J., and Hintz.
Hintz, Otto E.: *See*—
Raney, Russell R., Huddle, and Hintz.
Hintz, Otto E., Riverside, Ill., assignor to International Harvester Company. Gatherer for forage harvesters. 2,648,941, Aug. 18.
Hintz, Otto E., Riverside, Ill., assignor to International Harvester Company. Pickup mechanism. 2,656,670, Oct. 27.
Hintz, Otto E., Riverside, and R. Schinke, Chicago, Ill., assignors to International Harvester Company. Forage cutter. 2,656,868, Oct. 27.
Hintze, Alma J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for producing seismic waves in a body of water. 2,632,520, Mar. 24.
Hintze, Olga C., Lowden, Iowa. Combination picnic tray and platter. 2,652,702, Sept. 22.
Hintzmann, Karl W.: *See*—
Hansen, Kurt H. E., Drapal, Hintzmann, and Wegler.
Hinz, Henry E., Forest Park, and H. C. Fletcher, Woodlawn, assignors to Admiral Corporation, Chicago, Ill. Fastener device. 2,646,863, July 28.
Hinz, Lester F., Los Gatos, Calif. Doll package. 2,636,597, Apr. 28.
Hinz, Theodore A., assignor to Dirkes Industries, Inc., Detroit, Mich. Pump for dispensing fluid substances from containers. 2,630,248, Mar. 3.
Hinzman, James E., Grand Rapids, Mich. Pipe line scraper. 2,636,202, Apr. 28.
Hippen, Ralph W., Bellaire, and C. L. Murphy, Sr., Houston, Tex. Liquid level control. 2,653,623, Sept. 29.
Hipple, John A., Jr., Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of Commerce. Spectrometric analysis of solids. 2,659,821, Nov. 17.
Hires, Castner & Harris, Inc., assignee: *See*—
Mills, John.
Hirsch, Alfred, Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Method of making purified brine. 2,624,654, Jan. 6.
Hirsch, Alfred, Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Moldable material comprising asbestos and a cohydrolyzate of phenyl silicon trihalide and ethyl silicon trihalide. 2,658,881, Nov. 10.
Hirsch, Charles J., Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Electron discharge signal-sampling device. 2,640,925, June 2.
Hirsch, Charles J., Douglaston, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Electrical computer. 2,652,194, Sept. 15.
Hirsch, Clifford B., Hartford, Conn. Record holder. 2,663,416, Dec. 22.
Hirsch, Emile, Cairo, Egypt. Metal-backed wood floor. 2,651,820, Sept. 15.
Hirsch, Harry, New York, N. Y. Two-way stretch fabric. 2,627,173, Feb. 3.
Hirsch, Jack, Mamaroneck, N. Y. Accounting device. 2,625,408, Jan. 13.
Hirsch, Stephen G., assignor to Ocean City Mfg. Co., Philadelphia, Pa. Fishing reel construction. 2,646,939, July 28.
Hirsch, Theodore, Detroit, Mich. Watch wristband. 2,639,067, May 19.
Hirsch, William T., Havertown, and E. R. Roth, Norwood, assignors to The Atlantic Refining Company, Philadelphia, Pa. Gate valve. 2,651,320, Sept. 8.
Hirschberg, Walter J.: *See*—
Robinson, Leland P., Washburn, and Hirschberg.
Hirschey, Malcolm: *See*—
Gottscho, Ira S., and Hirschey.
Hirschey, Malcolm, Woodside, N. Y., assignor, by mesne assignments, to Adolph Gottscho, Inc., Hillside, N. J. Printing apparatus. 2,655,103, Oct. 13.
Hirschhorn, Solomon L., Los Angeles, Calif. Individual use tobacco container for pipes. 2,633,269, Mar. 31.
Hirschland, Herbert: *See*—
Church, James M., Ramsden, Hirschland, and Buchanan.
Hirschland, Herbert E., Rahway, N. J. Faucet connector. 2,650,838, Sept. 1.
Hirschman, Irving, Brooklyn, N. Y. Spectacles with pivotally mounted nose rest. 2,654,290, Oct. 6.
Hirschmann, Jack B.: *See*—
Maurer, Frank W., and Hirschmann.
Hirschmann, Jack B., Fairhaven, Mass. Goggles. 2,648,843, Aug. 18.
Hirsh, Donald H.: *See*—
Hoaglin, Raymond L., and Hirsh.
Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Securing a tensioned wire around cores. 2,627,378, Feb. 3.
Hirsh, Philip R., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Pipe and making the same. 2,662,555, Dec. 15.
Hirshstein, Joseph, Cleveland, Ohio, assignor to R. R. Newman and M. P. Hirshstein. Nonclog flow control device. 2,627,610, Feb. 10.
Hirshstein, Mildred P., assignee: *See*—
Hirshstein, Joseph.
Hirst, Archie J., Leicester, England. Independent suspension for motor vehicle road wheels. 2,643,877, June 30.
Hirszson, Beniamin, assignor of one-half to J. A. Paparelli, Rio de Janeiro, Brazil. Supply container for composite tape. 2,625,200, Jan. 13.
Hirt, Hugh H., Riverside, Calif. Curb type reflectorized directional street sign. 2,655,748, Oct. 20.
Hirtreiter, Walter J., Buffalo, N. Y., assignor to the United States of America as represented by the Secretary of the Air Force. Low-frequency oscillator and phase meter. 2,646,517, July 21.
Hirtz, John F.: *See*—
Jaye, Richard C., and Hirtz.
Hirtz, John F., assignor to Syncromatic Corporation, Watertown, Wis. Fuel and air delivery adjusting means for oil burners. 2,634,806, Apr. 14.
Hirvonen, Eric J., Shrewsbury, assignor to Leland Gifford Company, Worcester, Mass. Hydraulic pump. 2,624,283, Jan. 6.
Hirvonen, Eric J., Shrewsbury, assignor to Leland-Gifford Company, Worcester, Mass. Hydraulic indexing mechanism. 2,645,981, July 21.
Hirvonen, Eric J., Shrewsbury, assignor to Leland-Gifford Company, Worcester, Mass. Machine tool spindle construction. 2,647,407, Aug. 4.
Hiscar, Edward S., Pittsburgh, Pa. Cigar lighter for use in automotive vehicles. 2,630,517, Mar. 3.
Hise, Herbert M., Chicago, Ill. Stringed musical instrument. 2,641,152, June 9.
Hispeed Equipment, Inc., assignee: *See*—
Edwards, Charles N.
Hisserich, Charles A., M. C. Henderson, and K. K. Wyckoff, San Diego, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Light valve. 2,641,640, June 9.
Hitachi Limited, assignee: *See*—
Kuwayama, Masatoshi.
Hitch, Robert A., Trenton, and E. Da Frano, Raritan, N. J., assignors to John B. Pierce Foundation, New York, N. Y. High-temperature liquid heat system. 2,650,031, Aug. 25.
Hitchcock, Albert E.: *See*—
Zimmerman, Percy W., and Hitchcock.
Hitchcock, Edgar J., New Philadelphia, Ohio. Self-adjusting motor mounting for vertically adjusted saws. 2,661,777, Dec. 8.
Hitchcock, Paul C.: *See*—
Edsall, William S., and Hitchcock.
Hitchens, Aaron L., New Haven, Conn., and R. G. Owen, Wood River, assignors to Olin Industries, Inc., East Alton, Ill. Lead-antimony alloy electroplating bath. 2,634,235, Apr. 7.
Hitchens, Harry E., assignor of fifty per cent to J. H. Berl, Baltimore, Md. Pad. 2,644,963, July 14.
Hitchings, George H., Tuckahoe, and P. B. Russell, Crestwood, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 5-phenylpyrimidine derivatives. 2,624,731, Jan. 6.
Hitchings, George H., Tuckahoe, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation of 5-benzyl-2,4-diaminopyrimidines. 2,624,732, Jan. 6.
Hitchings, George H., Tuckahoe, and G. B. Elion, Bronxville, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 8-arylpurine derivatives and preparing same. 2,628,235, Feb. 10.
Hitchings, George H., Tuckahoe, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 5-benzyl-2,4-diamino-6-alkylpyrimidines and making the same. 2,628,23[illegible] Feb. 10.
Hitchings, George H., Tuckahoe, P. B. Russell, Crestwood, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co., (U. S. A.) Inc., Tuckahoe, N. Y. 2,4-diamino-5-aryloxy-pyrimidines. 2,657,206, Oct. 2[illegible]
Hitchings, George H., Tuckahoe, P. B. Russell, Crestwood, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 2,4-diamino-5-phenoxypyrimidines. 2,658,066, Nov. 3.
Hitchings, George H., Tuckahoe, and E. A. Falco, New Rochelle, assignors to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. 2,4-diamino-5-benzpyrimidines. 2,658,897, Nov. 10.
Hite, George: *See*—
Hulsizer, Robert I., and Hite.
Hites, Hubert V., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Molding core and [illegible] usable knockdown arbor therefor. 2,655,701, Oct. 2[illegible]
Hitov, Joseph J., assignor to Resistoflex Corporation, Belleville, N. J. End seal for printing roller. 2,625,735, Jan. 20.
Hitt, Otha A., Chesterfield County, and M. Kiachif, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Yarn package formation. 2,639,872, May 26.
Hittell, John L., Livonia Township, Wayne County, Mich. Internal-combustion engine. 2,644,021, June 30.
Hix, Howard J., Dearborn, assignor of twenty-five per cent to J. McCallion, Detroit, Mich. Plunger al[illegible] 2,652,571, Sept. 22.

Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Fractionation of triglycerides. 2,631,157, Mar. 10.

Hjermstad, Erling T.: *See*—
Kesler, Carl C., and Hjermstad.

Hjullan, Julius A., Palos Heights, F. D. Cotterman, La Grange, and G. E. Hansen, assignors to Crane Co., Chicago, Ill. Filling valve or the like. 2,650,059, Aug. 25.

Hlatko, George, and M. L., Battle Creek, Mich. Resilient retractable load carrying assembly. 2,627,405, Feb. 3.

Hlatko, Marshall L.: *See*—
Hlatko, George, and M. L.

Hlivjak, John, assignor to True Tronics, Inc., Chicago, Ill. Television antenna. 2,632,107, Mar. 17.

Hlivka, Bernice, Minneapolis, Minn. Baby holder for children's chairs. 2,652,183, Sept. 15.

Hoadley, Henry H., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Boundary layer control in blowers. 2,650,752, Sept. 1.

Hoag, Eben: *See*—
Bennett, Harold F., Young and Hoag.

Hoag, James H., San Francisco, Calif. Key case. 2,652,712, Sept. 22.

Hoag, Marion R., Chicago, Ill. Picture hanging bracket. 2,639,109, May 19.

Hoagland, Earl J., Chicago, Ill., assignor to Standard Safety Equipment Co. Detachable hermetic sealing joint for garments. 2,655,663, Oct. 20.

Hoagland, Hjalmar G., Minneapolis, Minn., assignor to Hills Bros. Coffee, Inc., San Francisco, Calif. Display card and support. 2,663,104, Dec. 22.

Hoagland, Hortense E., Flint, Mich. Colander. 2,663,428, Dec. 22.

Hoagland, Kenneth A., Newark, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Ion-trap cathode-ray tube. 2,637,828, May 5.

Hoaglin, Raymond I., and D. H. Hirsh, South Charleston, W. Va., assignors to Union Carbide and Carbon corporation. Production of unsaturated aldehydes. 2,628,257, Feb. 10.

Hoaglin, Raymond I., South Charleston, and W. M. Frankenberger, Jr., Charleston, W. Va., assignors to Union Carbide and Carbon Corporation. Separation of methanol from methyl acetate by extractive distillation with ethylene glycol. 2,636,050, Apr. 21.

Hoague-Sprague Corporation, assignee: *See*—
Knowlton, Cutler D.
Sillars, George S.
Sillars, George S., and Hall.

Hoar, John, Jr., Epping, N. H. Counting and packaging apparatus. 2,632,588, Mar. 24.

Hoar, Paul, South Portland, Maine. Convertible hassock and table. 2,659,414, Nov. 17.

Hobart, John P., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Shift rod adjusting clamp. 2,664,305, Dec. 29.

Hobart Manufacturing Company, The, assignee: *See*—
Fox, Gerald B., and Dickhart.
Fox, Gerald B., and Meeker.
Heath, Barrie.
Meeker, David A., and Allen.

Hobbs, Archibald A., assignor to Acrow (Engineers) Limited, London, England. Clamp for scaffolding tubes and like members. 2,651,532, Sept. 8.

Hobbs, Edward C., Louisville, Ky., assignor to the United States of America as represented by the Secretary of the Army. Gravity feed adapter for sheet metal containers. 2,651,440, Sept. 8.

Hobbs, Howard F.: *See*—
Thompson, Joseph A., and Hobbs.

Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Torque and speed responsive fluid clutch. 2,646,150, July 21.

Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Lubricated friction disk. 2,659,468, Nov. 17.

Hobbs, Howard H., assignor to The Oakes Manufacturing Company, Tipton, Ind. Liquid control valve. 2,634,755, Apr. 14.

Hobbs, Howard H., assignor to The Oakes Manufacturing Company, Tipton, Ind. Laying nest. 2,658,475, Nov. 10.

Hobbs, James C., Painesville, Ohio. Spring yoke for valves. 2,634,945, Apr. 14.

Hobbs, John F.: *See*—
Chadwick, Richard, and Hobbs.

Hobbs, John W., Corporation, assignee: *See*—
Hobbs, John W., Woodcock, and Womack.

Hobbs, John W., C. A. Woodcock, and S. E. Womack, assignors to John W. Hobbs Corporation, Springfield, Ill. Exhaust pipe extension. 2,635,642, Apr. 21.

Hobbs, Maurice H., and R. C. Dickinson, Pittsburgh, and R. J. Idzkowski, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,632,829, Mar. 24.

Hobbs, Oscar K.: *See*—
House, Samuel G., and Hobbs.

Hobbs, Taz D., Alvin, Tex. Synchro flash flood system. 2,635,216, Apr. 14.

Hobbs Transmission Limited, assignee: *See*—
Hobbs, Howard F.
Thompson, Joseph A., and Hobbs.

Hobson, Ervin J., Chicago, and C. J. Lind, Skokie, assignors to Robden Manufacturing Co., Chicago, Ill. Manufacturing inlay knobs and the like. 2,633,758, Apr. 7.

Hobson, H. M., Limited, assignee: *See*—
Greenland, Leonard S., and Edwards.
McCourty, William D., and Tyler.
Mott, Lawrence F.
Stokes, Philip H., Avenell, and Mitchell.
Swaab, Cyril H.
Westbury, Roy.

Hobson, Judson M., Garden Grove, Calif. Cable terminal. 2,657,370, Oct. 27.

Hobson, Lawrence M., Portland, Oreg. Bracket receptacle. 2,642,191, June 16.

Hobson, Ota O., Vinton, Iowa. Grain drier. 2,645,991, July 21.

Hobson, Stanley H., Rockford, and T. Lane, Belvidere, assignors to Geo. D. Roper Corporation, Rockford, Ill. Door adjusting mechanism. 2,630,605, Mar. 10.

Hobush, Albert P.: *See*—
Schmid, Herman, and Hobush.

Hoch, John, Wauwatosa, assignor to Braun-Hobar Corporation, Milwaukee, Wis. Apertured tube for the treatment of piles or the like. 2,664,088, Dec. 29.

Hochberg, Frederick: *See*—
Fischbach, Adolph, and Hochberg.

Hochberger, John, Chicago, Ill. Flush tank lever attachment. 2,625,692, Jan. 20.

Hochman, Julius C., New York, N. Y. Duplicating ribbon attachment. 2,626,035, Jan. 20.

Hock, Alvin, Cincinnati, Ohio. Strainer. 2,627,349, Feb. 3.

Hock, Alvin, Cincinnati, Ohio. Sparger. 2,633,992, Apr. 7.

Hockert, Chester E., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Two-speed friction clutch drive. 2,632,544, Mar. 24.

Hockery, John C., trustee, assignee: *See*—
Landry, William J.
McLean, Robert E.
Scott, Robert J.
Scott, Robert J., and Rusko.

Hodell, Frederick G., Gates Mills, assignor to The National Screw & Manufacturing Company, Cleveland, Ohio. Screw and cap. 2,627,778, Feb. 10.

Hodes, John H., Jr., Kansas City, Mo. Nonfreeze faucet. 2,625,173, Jan. 13.

Hodge, Alfred A.: *See*—
Gonda, Desiré, and Hodge.

Hodge, Arthur, J. G. N. Drewitt and J. Downing, Spondon, near Derby, England, assignors to British Celanese Limited. Manufacture of carboxymethyl cellulose. 2,639,281, May 19.

Hodge, Benjamin E., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Disposal of sludge from eelctrolytic preparation of sodium. 2,649,413, Aug. 18.

Hodge, Edward B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Insecticidal compounds. 2,653,896, Sept. 29.

Hodge, John E., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. N-(3,4,6-triacetyl-D-glucosyl) piperidine and preparing same. 2,637,727, May 5.

Hodge, Robert J., West Haven, Conn. Adjustable strap-attaching means for buttonloops, buckles, etc. 2,649,637, Aug. 25.

Hodge, William H.: *See*—
Lindhe, Folke, and Hodge.

Hodge, Woodrow W., Chicago, Ill. Therapeutic appliance. 2,635,175, Apr. 14.

Hodgens, John G., Jr., Chippewa Falls, Wis., assignor to The Diversey Corporation. Unitary solution control apparatus. 2,663,308, Dec. 22.

Hodges, Charles L., Flint, Mich. Fastener-holding socket wrench. 2,634,641, Apr. 14.

Hodges, Charles W., Swarthmore, and C. F. Koenig, III, Milmont Park, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Anti-icing means for the air intake of gas turbines. 2,634,049, Apr. 7.

Hodges, Howard T., assignor to Eastman Kodak Company, Rochester, N. Y. Film metering mechanism. 2,652,209, Sept. 15.

Hodges, Howard T., assignor to Eastman Kodak Company, Rochester, N. Y. Film metering and phasing mechanism. 2,652,210, Sept. 15.

Hodges, Howard T., assignor to Eastman Kodak Company, Rochester, N. Y. Double-exposure prevention device. 2,663,234, Dec. 22.

Hodges, James W., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Oil well contamination removing tool. 2,652,120, Sept. 15.

Hodges, John A.: *See*—
Stevenson, Charles B., and Hodges.

Hodges Research and Development Company, assignee: *See*—
Hodges, William C., and Robb.
Latham, Allen, Jr.
Robb, Alexander L.

Hodges, William C., and A. L. Robb, assignors to Hodges Research and Development Company, Redwood City, Calif. Hydraulic system for operation of motors. 2,635,430, Apr. 21.

Hodgins, Donald R., East Cleveland, assignor to Superduction, Inc., Cleveland, Ohio. Storm window structure. 2,646,117, July 21.

Hodgins, William, Ottawa, Ontario, Canada. Heating apparatus. 2,643,060, June 23.

Hodgkins, Hollis C., Chippewa Falls, Wis., assignor to United States Rubber Company, New York, N. Y. Collapsible building drum. 2,655,977, Oct. 20.

Hodgson, Grant B., assignor to Solar Aircraft Company, San Diego, Calif. Gas Turbine combustion chamber. 2,651,913, Sept. 15.

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Lifting magnet. 2,626,310, Jan. 20.

Hodgson, Kenneth G.: *See*—
Wright, Frank C., Hodgson, and Roche.

Hodgson, Robert F., Chagrin Falls, and W. C. Dolch, Willoughby, Ohio, assignors, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Multiple control valve. 2,651,324, Sept. 8.

Hodnette, John K., Pittsburgh, and M. G. Leonard, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker operating mechanism. 2,656,438, Oct. 20.

Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Diaphragm type milk releaser. 2,630,782, Mar. 10.

Hodson, Garold: *See*—
Hodson, Layne O. and G., and Ross.

Hodson, Layne O., Layton, G. Hodson and C. Ross, Ogden; assignors of one-third to said L. O. Hodson and said G. Hodson, one-third to B. W. Wilson, and one-third to P. A. Mallinckrodt, Salt Lake City, Utah. Broadcasting and intercommunication system. 2,626,995, Jan. 27.

Hodson, Peter, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Regenerative heater seal biased by circumferential spring. 2,631,870, Mar. 17.

Hodson, Peter, Wellsville, and E. A. Lundstrom, Valley Stream, assignors to The Air Preheater Corporation, New York, N. Y. Plate type heat exchanger and manufacturing same. 2,656,158, Oct. 20.

Hodson, Waldo G., Burbank, and W. E. Peterson, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Telemetering system. 2,656,523, Oct. 20.

Hoe, R., & Co. Inc., assignee: *See*—
Albrecht, Alexander J.
Bennett, Thomas R.
Crabtree, John O.
Crabtree, John O., and Marshall.
Dressel, Arthur, and Albrecht.
Harless, Charles A.
Huck, William F., Heller, and Albrecht.
Pethick, Ford C.
Schnell, Frederick W.
Southway, Arthur.
Wieking, William C.
Zuckerman, Adolph M.

Hoecker, Frank E.: *See*—
Roofe, Paul G., and Hoecker.

Hoegberg, Erick I.: *See*—
Fletcher, John H., and Hoegberg.

Hoegberg, Erick I., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Dithiophosphate esters. 2,632,020, Mar. 17.

Hoegberg, Erick I., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Thiophosphatosuccinimides. 2,644,002, June 30.

Hoegermeyer, Julius: *See*—
Heinz, Alfred, and Hoegermeyer.

Hoegner, Warren R.: *See*—
Harteker, Joseph, and Hoegner.

Hoehm, August, Brooklyn, N. Y. Window alarm. 2,626,584, Jan. 27.

Hoehn, Herman, Surrey, British Columbia, Canada. Hand winch. 2,630,298, Mar. 3.

Hoek, Leo A., Los Angeles, Calif. Cutlery sharpener. 2,638,720, May 19.

Hoekstra, James, Evergreen Park, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of silica. 2,645,619, July 14.

Hoel, Paul D., assignee: *See*—
Harris, Amanda L.

Hoel, Wendell W., assignor to Barber-Colman Company, Rockford, Ill. Electrical resistance element. 2,635,161, Apr. 14.

Hoelsch, Edward H., Worcester, assignor to Perkins Machine & Gear Company, West Springfield, Mass. Spring coiler. 2,655,973, Oct. 20.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Lubricating apparatus. 2,637,412, May 5.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Feedbox transmission for lathes. 2,640,369, June 2.

Hoelscher, William G., assignor to The American Tool Works Co., Cincinnati, Ohio. Support for cutting tools. 2,658,418, Nov. 10.

Hoen, Kenneth H., and J. M. Archer, deceased, Billings, Mont., R. E. Archer, administratrix, de bonis non. Hydraulic pump. 2,649,737, Aug. 25.

Hoen, Kenneth H., and J. M. Archer, deceased (by G. M. Williams, administrator, R. E. Archer, administratrix de bonis non), assignors to Pioneer Fencing Co., Inc., Billings, Mont. Fencing machine. 2,655,006, Oct. 13.

Hoenecke, Walter J., assignor of one-half to C. E. Van Duser, Milwaukee, Wis. Rotary positive displacement pump. 2,626,571, Jan. 27.

Hoener, Lavern G., East Chicago, Ind. Motor vehicle speed control. 2,661,071, Dec. 1.

Hoenger, Guido, Zuchwil, assignor to Mefina S. A., Binningen, Switzerland. Mechanical time fuse mechanism for projectiles. 2,664,046, Dec. 29.

Hoenle, Norman J.: *See*—
Landis, George G., and Hoenle.

Hoeppner, Conrad H., Washington, D. C. Pulse group generator. 2,641,700, June 9.

Hoeppner, Conrad H., Washington, D. C., and C. H. Smith, Jr., Arlington, Va. Pulse width discriminator. 2,634,346, Apr. 7.

Hoerig, Herman F.: *See*—
McAlpine, Harry, and Hoerig.

Hoern & Dilts, Inc., assignee: *See*—
Hoern, Joseph H.

Hoern, Joseph H., assignee: *See*—
Dilts, Carl E.

Hoern, Joseph H., assignor to Hoern & Dilts, Inc., Saginaw, Mich. Indexing mechanism for station type machines. 2,633,777, Apr. 7.

Hoernel, Kenneth C., Racine, Wis. Mounting device for door closers. 2,657,892, Nov. 3.

Hoerner, Clarence F., Dayton, Ohio. Crankcase flusher. 2,627,862, Feb. 10.

Hoertz, Joseph B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilizing aqueous dispersons of haloethylene polymers. 2,662,867, Dec. 15.

Hoesch, Elmer D., West Allis, and R. G. Matters, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Making welded blade structures. 2,654,143, Oct. 6.

Hofer, David L., Berkeley, Calif. Control circuit for emergency relief valve of a dredge. 2,644,400, July 7.

Hofer, Laurence F., Portland, Oreg. Adjustable mounting for rearview mirrors. 2,661,177, Dec. 1.

Hofer, Lawrence J. E.: *See*—
Manes, Milton, Hofer, and Hinkel.

Hofer, Rolf, Kusnacht (Zurich), Switzerland. Ticket control apparatus. 2,655,863, Oct. 20.

Hoff, Jean M., Evanston, Ill. Toy vehicular system. 2,637,140, May 5.

Hoff, John M.: *See*—
Mayer, Charles M., and Hoff.
Perl, Richard L., and Hoff.

Hoff, Ronald C., assignor to Eriez Manufacturing Company, Erie, Pa. Apparatus for magnetic separation of materials. 2,645,348, July 14.

Hoffar, Charles F., assignee: *See*—
Simpson, Lynn L., and Weaklend.

Hoffar, Charles F., assignor, by mesne assignments, to A. A. Schmidt, Los Angeles, Calif. Foldable table and seat assembly. 2,647,562, Aug. 4.

Hoffar Enterprises, Inc., assignee: *See*—
Simpson, Lynn L., and Weaklend.

Hoffert, Frank D., Trenton, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic conversion of gaseous reactants. 2,660,598, Nov. 24.

Hoffert, William J.: *See*—
Robinson, Alfred K., and Hoffert.

Hofferth, Burt F.: *See*—
Glynn, Emmett P., and Hofferth.

Hoffman, Alfred E.: *See*—
Bloch, Herman S., and Hoffman.

Hoffman, Alfred E., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Improving the drying qualities of hydrocarbon co-polymer drying oils. 2,645,649, July 14.

Hoffman, Alfred E., Clarendon Hills, assignor to Universal Oil Products Company, Chicago, Ill. Desulfurization of hydrocarbons. 2,655,463, Oct. 13.

Hoffman, Allan C., assignor to Vernay Laboratories Inc., Yellow Springs, Ohio. Car heater control. 2,634,057, Apr. 7.

Hoffman, Charles H.: *See*—
Stearns, Joseph L., and Hoffman.

Hoffman, George L., and S. J. Petersen, Miami, Fla. Stair lift hand truck. 2,641,325, June 9.

Hoffman, George R., Jr., Eau Claire, Wis. Body supported perspiration absorbing device. 2,636,175, Apr. 28.

Hoffman, John J., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Expanded cellular plastic flotation body. 2,660,194, Nov. 24.

Hoffman, Harold, assignee: *See*—
Hill, Robert H.

Hoffman, Harold J., assignor to The Smead Manufacturing Company, Hastings, Minn. Anchor for index cards. 2,634,730, Apr. 14.

Hoffman, Henry, Minneapolis, Minn. Trolling propelling means for boats. 2,628,586, Feb. 17.

Hoffman, Herbert N., Wakefield, Mass., assignor to General Electric Company. Composite pump for primemover oil systems. 2,625,106, Jan. 13.

Hoffman, Jacob N., Harrisburg, Pa., assignor to Underwood Corporation, New York, N. Y. Carriage tabulating mechanism. 2,650,689, Sept. 1.

Hoffman, James D., Pacific Palisades, Calif., assignor to North American Aviation, Inc. Aircraft structure cooling means. 2,652,216, Sept. 15.

Hoffman, Joseph D., Kirkwood, N. J. Rees, Richmond Heights, and A. A. Hucker, Jefferson Barracks, assignors to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,630,510, Mar. 3.

Hoffman, Kenneth R., assignor to Dow Corning Corporation, Midland, Mich. Siloxane structural foams. 2,655,485, Oct. 13.

Hoffman, Leslie B., assignor to Dayless Mfg. Co., Inc., Chicago, Ill. Wringer mop. 2,651,069, Sept. 8.

Hoffman, Manfred T., Newburyport, Mass. Treatment of textile fibers for removing foreign matter therefrom. 2,647,286, Aug. 4.

Hoffman, Max, Miami, Fla. Awning type window. 2,644,206, July 7.

Hoffman, Otto, assignor to Lake Erie Engineering Corporation, Buffalo, N. Y. Pressure accumulator circuit for hydraulic presses. 2,636,346, Apr. 28.

Hoffman, Philip A., and G. K. Jensen, U. S. Navy. Variable frequency oscillator. 2,626,355, Jan. 20.

Hoffman, Richard Y., Jr.: *See*—
Dyke, Edwin, and Hoffman.

Hoffman, Roscoe C., Detroit, Mich. Steering knuckle construction. 2,631,865, Mar. 17.

Hoffman, Roscoe C., Detroit, Mich. Transmission. 2,662,800, Dec. 15.

Hoffman, Theodore E., Van Nuys, Calif. Wrench handle having detachable hand wheel and flexible shaft. 2,637,233, May 5.

Hoffmann, Anton R., Southport, and W. J. Crump, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Pitching moment recorder. 2,630,709, Mar. 10.

Hoffmann, Edward J., and E. F. Wadley, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hydrogenation of naphthas. 2,638,438, May 12.

Hoffmann, Eugene H., University City, assignor to Plastic Patents, Incorporated, St. Louis, Mo. Top lift attachment. 2,656,621, Oct. 27.

Hoffmann, George A., Jr., Richmond, Va. Palletizing support. 2,639,050, May 19.

Hoffmann, Joseph, Waterbury, Conn. Wedge-actuated clamp for resilient tubing and the like. 2,643,848, June 30.

Hoffmann, Karl, Binningen, and M. Spillmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 2-(N-arylethyl-alkylaminomethyl)-furanes. 2,658,905, Nov. 10.

Hoffmann, Karl, Binningen, and E. Tagmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Dioxo-piperidines. 2,664,424, Dec. 29.

Hoffmann-La Roche Inc., assignee: *See*—
Aeschlimann, John A., and Stempel.
Duschinsky, Robert.
Finkelstein, Jacob, and Lee.
Flexser, Leo A., and Farkas.
Fox, Herman H.
Goldberg, Moses W., and Jampolsky.
Goldberg, Moses W., and Rachlin.
Goldberg, Moses W., and Scott.
Goldberg, Moses W., and Teitel.
Grewe, Rudolf.
Hellerbach, Joseph.
Isler, Otto, Hindley, and Zeller.
Kimel, Walter.
Kimel, Walter, and Sax.
Kirchensteiner, Hans, Klaeui, and Lindlar.
Kögl, Fritz, and Salemink.
Lee, John.
Lindlar, Herbert.
Morrison, Alexander L., and Andrews.
Morrison, Alexander L., and Atherton.
Pecherer, Benjamin.
Rey-Bellet, Gerald.
Schläpfer, Reinhard.
Steiger, Norbert.
Steiger, Norbert, and Keller.
Stempel, Arthur.
Sternbach, Leo H.
Wenner, Wilhelm.
Zentner, Margaret R.

Hoffmann, Walter P., La Motte, Iowa. Calf feeding device. 2,629,360, Feb. 24.

Hoffpauir, Carroll L.: *See*—
Reeves, Wilson A., Drake and Hoffpauir.

Hoffstetter, George O., Jerseyville, Ill. Twin screw conveyer. 2,633,255, Mar. 31.

Höfges, Heinz, and E. Goebel, Hamborn, Germany. Production of transformer and dynamo steels. 2,662,819, Dec. 15.

Hofman Laboratories, Inc., assignee: *See*—
Sulfrian, Gerard F., and Jacket.

Hofmann, Alfred, & Co., assignee: *See*—
Schoenster, Peter J., and Ebert.

Hofmann, Alfred, Needle Works, Inc., assignee: *See*—
Schoenster, Peter J.
Schoenster, Peter J., and Ebert.

Hofmeister, George L., Brooklyn, N. Y. Reclaiming mechanical knitting needles. 2,630,172, Mar. 3.

Hofmeister, Maurice H., Evanston, assignor to Bell & Gossett Company, Morton Grove, Ill. Heat exchanger. 2,657,020, Oct. 27.

Hofmeister, Maurice H., Evanston, assignor to Bell & Gossett Company, Morton Grove, Ill. Heat exchanger. 2,660,410, Nov. 24.

Hofrichter, Charles H., Jr., Madison, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyethylene terephthalate with cobaltous acetate as catalyst. 2,641,592, June 9.

Hofrichter, Charles H., Jr., Madison, Conn., assignor to E. I. Du Pont de Nemours and Company, Wilmington, Del. Production of polyethylene terephthalate. 2,650,213, Aug. 25.

Hofstadter, Robert, assignor to The Norden Laboratories Corporation, New York, N. Y. Vertical velocity indicator. 2,632,038, Mar. 17.

Hogaboom, George B., Jr., Kenilworth, N. J., and N. R. Hall, Brooklyn, N. Y. Strainer bags for enclosing electroplating anodes. 2,633,452, Mar. 31.

Hogan Corporation, assignee: *See*—
Markson, Alfred A.

Hogan, John E., assignor to C. and E. M. Hartwell, copartners doing business as Hartwell Aviation Supply Company, Los Angeles, Calif. Flush latch. 2,639,178, May 19.

Hogan, John P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of high octane fuel components. 2,642,467, June 16.

Hogan, John P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preconditioning hydrocarbon synthesis catalyst. 2,644,829, July 7.

Hogan, John P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Methyl group shifting of olefin. 2,653,981, Sept. 29.

Hogan, Joseph T.: *See*—
Arthur, Jett C., Jr., and Hogan.

Hogan, Timothy S., assignee: *See*—
Osterfield, George J.

Hogan, Veta D., Seattle, Wash. Interchangeable purse insert. 2,624,385, Jan. 6.

Hogard, Rufus W., Kansas City, Kans., assignor to Phillips Petroleum Company. Spring closed pivoted gate liquid loading valve. 2,639,117, May 19.

Hoge, Albert W., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Treatment and use of porous contact masses. 2,643,215, June 23.

Hoge, Frederick H., Oak Park, and J. A. Marland, La Grange, assignors to W. A. Jones Foundry & Machine Company, Chicago, Ill. Car puller. 2,637,526, May 5.

Hoge, John H.: *See*—
Zimmerman, Robert F., and Hoge.

Hoge, Warren, Zimmerman Co., assignee: *See*—
Zimmerman, Robert F., and Hoge.

Hogeberg, Bart A., Seattle, Wash. Air-controlled solenoid golf tee. 2,643,883, June 30.

Hogël, Lennart K. G., and L. Dreyfus, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Tilting electrical melting furnace of egg shaped cross section. 2,650,255, Aug. 25.

Hogeman, Hans: *See*—
Humber, John N., Hogeman, and Burman.

Hogeman, Hans, Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Fuel injection apparatus. 2,624,327, Jan. 6.

Hogenbirk, Cornelius, East Orange, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermo-responsive measuring device. 2,647,235, July 28.

Hogensen, Emory N., Chicago, Ill. Folding bed. 2,627,615, Feb. 10.

Hogg, Francis M., Findley Lake, N. Y., assignor to General Electric Company. Door latching mechanism. 2,662,790, Dec. 15.

Hogg, John A.: *See*—
Korman, Jerome, Reid, Nathan and Hogg.

Hogg, John A., assignor to The Upjohn Company, Kalamazoo, Mich. 1-alkyl-2-phenethyl-6-substituted-cyclohexanone-3-compounds and preparing same. 2,628,248, Feb. 10.

Hogg, John A., assignor to The Upjohn Company, Kalamazoo, Mich. Haloethylhydrocarbonoxycyclohexenes. 2,645,666, July 14.

Hogg, John A., D. A. Lyttle, and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. Selective reduction of 3-keto group of polyketosteroids. 2,647,134, July 28.

Hogg, John A., J. Korman, W. B. Reid, Jr., and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. Carbethoxycyclohexanones. 2,655,527, Oct. 13.

Hogg, John A., J. Korman, W. B. Reid, Jr., and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. Disubstituted aminoethylcyclohexanones. 2,655,537, Oct. 13.

Hogg, John A., J. Korman, W. B. Reid, Jr., and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. Cyclohexanols. 2,656,385, Oct. 20.

Hogg, John A., J. Korman, W. B. Reid, Jr., and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. Aminoethylhydrocarbonoxycyclohexenes. 2,656,386, Oct. 20.

Hogg & Mitchell Limited, assignee: *See*—
Wood, Ernest A.

Hoggatt, Gilbert A., Winnetka, Ill., assignor to Certain-Teed Products Corporation, Ardmore, Pa. Penetrometer. 2,656,716, Oct. 27.

Hogin, David R., Scarsdale, N. Y., assignor to Standard Oil Development Company. Apparatus for handling finely divided solid materials. 2,663,465, Dec. 22.

Hoglan, Forest A., Glenview, Ill., assignor to International Minerals & Chemical Corporation. Production of glutamic acid. 2,647,142, July 28.

Hoglund, Nils, Union, N. J. Wheel dressing apparatus. 2,658,496, Nov. 10.

Hoglund, Nils, Union, N. J. Wheel dressing apparatus. 2,658,497, Nov. 10.

Hoglund, Nils, Union, N. J. Grinding wheel dressing mechanism. 2,658,498, Nov. 10.

Hoglund, Nils, Union, N. J. Grinding wheel dressing mechanism. 2,658,499, Nov. 10.

Hoglund, Nils, Summit, N. J. Grinding wheel dressing apparatus. 2,658,500. Nov. 10.

Hoglund, Nils, Summit, N. J. Grinding wheel dressing apparatus. 2,658,501. Nov. 10.

Hoguet, Jules, Brest, assignor to Societe E. C. T. A. (Societe d'Entreprise de Construction et de Travaux d'Art), Paris, France. Water curtain projecting device for use with sand blasting apparatus. 2,644,275, July 7.

Hohenstein, Walter P., Kew Gardens, N. Y., assignor to The Whitney Blake Company, Hamden, Conn. Producing copolymers in the form of discrete particles. 2,653,145, Sept. 22.

Hohenstein, Walter P., Kew Gardens, N. Y., R. N. Haward, and J. Elly, London, England; said Haward and said Elly assignors to said Hohenstein. Suspension polymerization of unsaturated organic compounds. 2,652,392, Sept. 15.

Hohl, George I., East Orange, F. H. Weise, Cedar Grove, G. A. Rist, Newark, and J. M. Rist, East Orange, assignors to Processing Equipment Corporation, Freehold, N. J. Wrapping machine. 2,627,710, Feb. 10.

Hohl, John: *See*—
Ninneman, Eric O., Webster, Hohl, and Bjering.

Hohl, John, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Method and apparatus for sealing containers. 2,630,958, Mar. 10.

Hohl, John, and O. Bjering, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Method and apparatus for sealing containers. 2,630,957, Mar. 10.

Hohl, John, and R. A. Pim, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Machine for applying screw caps to containers. 2,655,302, Oct. 13.

Hohlfelder, F., Company, The, assignee: *See*—
Hohlfelder, Harvey F.

Hohlfelder, Harvey F., North Perry, assignor to The F. Hohlfelder Company, Cleveland, Ohio. Chaplet. 2,651,823, Sept. 15.

Hohmann, Frederick R., Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Forming double glazed units. 2,624,978, Jan. 13.

Hohmann Levy, Inc., assignee: *See*—
Hohmann, Richard K., and Dravinski.

Hohmann, Richard K., Jamaica, N. Y. Sewing machine thread clamping mechanism. 2,652,017, Sept. 15.

Hohmann, Richard K., Jamaica, and J. T. Dravinski, New Hyde Park, assignors to Hohmann Levy, Inc., New York, N. Y. Lock stitch sewing machine under bed mechanism. 2,651,274, Sept. 8.

Hohn, Francis H.: *See*—
Hohn, Frank X. and F. H.

Hohn, Frank X., St. Louis, and F. H. Hohn, Webster Groves, assignors to Scullin Steel Co., St. Louis, Mo. Restoring X-ray film. 2,640,775, June 2.

Hohnadel, Charles H., Kermit, Tex., assignor to Phillips Petroleum Company. Apparatus for pelleting chain structure carbon black. 2,656,257, Oct. 20.

Hohnecker, Otto, assignor to Haughton Elevator Company, Toledo, Ohio. Safety switch for escalators. 2,637,432, May 5.

Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.

Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Expansion arbor. 2,626,811, Jan. 27.

Hohwieler, William U., Morrisville, Pa., assignor to the United States of America as represented by the Secretary of the Army. Cold resistant cellular rubber. 2,640,858, June 2.

Hoisington, Ralph S., Memphis, Tenn. Fiber tester. 2,660,889, Dec. 1.

Hojio, Roy, Worland, Wyo. Beet harvester. 2,641,892, June 16.

Hok, Carl G.: *See*—
Crawford, Franzo H., and Hok.

Hokanson, Evert C.: *See*—
Bock, George E., Roberts, and Hokanson.

Hoke, Charles V., assignee: *See*—
Berstler, Francis E.

Hoke, Frank, assignor to Holcomb & Hoke Mfg. Co., Inc., Indianapolis, Ind. Cleaner for engine cooling systems. 2,650,602, Sept. 1.

Hoke, Frank J., and R. W. Reynolds, assignors to Holcomb & Hoke Mfg. Co., Inc., Indianapolis, Ind. Folding door construction. 2,649,150, Aug. 18.

Hoke, Henry L., Thurmont, Md. Juvenile play yard. 2,628,370, Feb. 17.

Hoke, Howard L.: *See*—
Risley, Roger E., and Hoke.

Hoke, Richard P., and W. E. Brown, assignors to C. D. Shelburne, Shelburn, Ind. Fishing reel. 2,659,545, Nov. 17.

Hoklas, Clarence H., assignor of twenty-five per cent to G. L. Hoklas, Chicago, Ill. Push-button turn signal switch. 2,657,286, Oct. 27.

Hoklas, George L., assignee: *See*—
Hoklas, Clarence H.

Holahan, Joseph M., Jr., assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Surf casting fishing reel. 2,652,212, Sept. 15.

Holan, J. H., Corporation, assignee: *See*—
Troche, Herman J., and Holan.

Holan, James H.: *See*—
Troche, Herman J., and Holan.

Holbeck, Austin A., Detroit, Mich. Machine for unloading continuous baking ovens. 2,648,298, Aug. 11.

Holbeck, Austin A., Detroit, Mich. Apparatus for unloading continuous baking ovens. 2,649,058, Aug. 18.

Holben, Martin M., Ridgewood, and C. S. Jewett, Hasbrouck Heights, N. J., assignors to Curtiss-Wright Corporation. Vibration damper. 2,631,901, Mar. 17.

Holbrefin S. A., assignee: *See*—
Cuadras, Salvador.

Holbrook, Bernard D., Madison, and A. A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sight order computer. 2,658,678, Nov. 10.

Holbrook, Bernard D., Madison, and A. A. Lundstrom, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Computer control device. 2,658,679, Nov. 10.

Holbrook, Bernard D., Madison, A. A. Lundstrom, East Orange, and W. A. Malthaner, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wind and spot computer. 2,658,680, Nov. 10.

Holbrook, Francis C., Brooklyn, N. Y. Refractory damper. 2,659,361, Nov. 17.

Holbrook, Francis C., Brooklyn, N. Y. Knockdown stool or easel. 2,638,702, May 19.

Holbrook, Ralph W., New Albany, Ind., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Suction cleaning device for collapsible tubes. 2,637,872, May 12.

Holcomb, Arthur L., Tarzana, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Recording system. 2,639,965, May 26.

Holcomb, Arthur L., Tarzana, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Curve follower. 2,663,857, Dec. 22.

Holcomb & Hoke Mfg. Co., Inc., assignee: *See*—
Hoke, Frank.
Hoke, Frank J., and Reynolds.
Reynolds, Ralph W.

Holcomb, J. I., Manufacturing Company, assignee: *See*—
Le Fave, Gene M.

Holcombe, Ralph L., Ada, Okla., assignor to Trans-Tradin Corporation, Washington, D. C. Signaling system and device for aircraft operation. 2,657,476, Nov. 3.

Holcombe, Wallace P.: *See*—
Townhill, Arthur, and Holcombe.

Holcroft & Company, assignee: *See*—
Holcroft, Walter H.

Holcroft, Walter H., assignor to Holcroft & Company, Detroit, Mich. Work conveyer for heat-treating furnaces. 2,658,633, Nov. 10.

Holdeman, Lloyd H., and H. K. Hybarger, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Drop pit apparatus. 2,655,114, Oct. 13.

Holdeman, Lloyd H., and H. K. Hybarger, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Drop pit apparatus. 2,655,115, Oct. 13.

Holden, Artemas F., assignee: *See*—
Merritt, William F.

Holden, Elmer H., Bethpage, N. Y. Multiple purpose cultivator attachment. 2,655,855, Oct. 20.

Holden, Lawrence T., Summit, N. J. Article of furniture. 2,635,255, Apr. 21.

Holden, Margurite H., assignee: *See*—
Holden, Orloff W.

Holden, Orloff W., assignor to O. W. and M. H. Holden doing business as Knickerbocker Rubber Company, Chicago, Ill. Aerating device. 2,643,104, June 23.

Holden, William, Petts Wood, Orpington, England. Holder for screw-threading taps, reamers, and like tools. 2,636,361. Apr. 28.

Holden, William H. T., Pasadena, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic code pulse receiving circuit. 2,633,495, Mar. 31.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating circuit. 2,637,017, Apr. 28.

Holdenline Company, assignee: *See*—
Wise, Gary E.

Holder, Alfred E., Cleveland, Ohio. Apparatus for pressure casting. 2,634,468, Apr. 14.

Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Reduction of carbon formation in hydrocarbon synthesis. 2,628,968, Feb. 17.

Holder, Frederick D., Hickory, N. C. Golf bag holding stand. 2,661,175, Dec. 1.
Holderegger, Hermann, Buchs (Aaru), Switzerland. Furniture provided with drawers. 2,650,871, Sept. 1.
Holderith, Clarence P., Kokomo, Ind. Water faucet. 2,628,057, Feb. 10.
Holderith, William J., New York, N. Y. Hypodermic needle cleaning apparatus. 2,626,624, Jan. 27.
Holderle, Frederick S., H. C. R., and N. F. W., Rochester, N. Y. Display case. 2,661,996, Dec. 8.
Holderle, Harvey C. R.: *See*—
Holderle, Frederick S., H. C. R., and N. F. W.
Holderle, Norbert F. W.: *See*—
Holderle, Frederick S., H. C. R., and N. F. W.
Holdfast Tool Co., Inc., assignee: *See*—
Emmett, Milton W.
Holdgate, John C.: *See*—
Miller, Harvey D., and Holdgate.
Holdstock, Norman G.: *See*—
Welsh, Charles E., and Holdstock.
Hole, Edward S., London, England. Sticking together resin-impregnated cellulosic sheets. 2,648,620, Aug. 11.
Hole, Mary M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Winding armatures. 2,632,124, Mar. 17.
Hole, William L., Honolulu, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Pineapple box with stacking feature and hinged end gate. 2,626,076, Jan. 20.
Holek, František, assignor to Zbrojovka Brno, narodni podnik, Brno Arms Factory, National Corporation, Brunn, Czechoslovakia. Firearm safety device. 2,632,272, Mar. 24.
Holford, Frank L., Towson, Md., assignor to The Black & Decker Manufacturing Company. Strain measuring circuit. 2,638,780, May 19.
Holford, Hastings J., Yatton, and A. J. Challis, assignors to Holford Processes Limited, London, and George Adlam & Sons Limited, Bristol, England. Vertical shale retort. 2,645,609, July 14.
Holford Processes Limited, assignee: *See*—
Holford, Hastings J., and Challis.
Holliday, Lloyd L. and N. M., Cheyenne, Wyo. Detecting device for fast-moving objects. 2,647,032, July 28.
Holiday, Nellie M.: *See*—
Holiday, Lloyd L. and N. M.
Holl, James W. F., Temple City, Calif. Fuel carburetion system. 2,658,732, Nov. 10.
Holland, Arnold J., Penn Laird, Va., assignor to Merck & Co., Inc., Rahway, N. J. Vitamin B_{12} purification process. 2,653,900, Sept. 29.
Holland, Cecil C., assignee: *See*—
Bronish, Arthur H.
Holland Company, assignee: *See*—
Wulff, Cal W.
Wulff, Cal W., and Newman.
Holland, Ernest O., assignor to Pye Limited, Cambridge, England. Electronic counting circuit. 2,644,886, July 7.
Holland, Hal H., Jr., Corpus Christi, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Core recovery indicating device. 2,652,232, Sept. 15.
Holland, Herman, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Hydraulic flow regulator. 2,646,070, July 21.
Holland Hitch Company, assignee: *See*—
Ketel, Henry.
Holland, James F., Durhamville, N. Y. Prefabricated bevel siding. 2,636,226, Apr. 28.
Holland, John D.: *See*—
Terry, Victor J., Holland, and James.
Holland, Louis E., Lee's Summit, Mo. Mechanical body massager. 2,657,685, Nov. 3.
Holland Mfg. Co., Inc., assignee: *See*—
McCarthy, Frank J.
Holland, Victor L., assignor to Delta Concrete Products Co., Inc., Denham Springs, La. Interlocking precast concrete bench. 2,659,422, Nov. 17.
Hollander, Irving, assignee: *See*—
Harris, Milton M.
Hollander, William L.: *See*—
Hubbard, David C., and Hollander.
Hollander, William L., assignor to A. B. Chance Company, Centralia, Mo. Expanding earth anchor. 2,658,590, Nov. 10.
Hollar, Cyril W., Hickory, N. C. Glue applicator. 2,638,072, May 12.
Hollenberg, Arthur V., Morris Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron gun. 2,652,512, Sept. 15.
Hollenberg, Arthur V., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave amplifier. 2,652,513, Sept. 15.
Hollenberg, Frederick H., Jr., Wyndmoor, Pa., assignor to Baldwin-Hill Company, Trenton, N. J. Insulating material. 2,633,433, Mar. 31.
Hollenkamp, Theodore J., Detroit, Mich. Grouser. 2,645,532, July 14.
Hollerith, Charles, assignor to Lake State Products, Jackson, Mich. Hinged lid actuator and prop. 2,625,293, Jan. 13.
Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Valve seat for dishwashers. 2,628,063, Feb. 10.
Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Friction coupling for valve actuators. 2,632,473, Mar. 24.
Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Locked bolt. 2,642,109, June 16.
Holley Carburetor Company, assignee: *See*—
Hartman, Frank W., Jr.
Stresen Reuter, John H., and Karpus.
Udale, Stanley M.
Holley, Earl, assignee: *See*—
Holley, George M., Jr.
Kittler, Milton J.
Medley, Harry B.
Schorn, Carl F.
Schorn, Carl F., Bobier, and Orr.
Holley, George M., assignee: *See*—
Holley, George M., Jr.
Kittler, Milton J.
Medley, Harry B.
Schorn, Carl F.
Schorn, Carl F., Bobier, and Orr.
Holley, George M., Jr., Grosse Pointe, Mich., assignor to G. M. and E. Holley. Fuel injection for internal-combustion engines. 2,659,309, Nov. 17.
Holliday, Thomas I., Webb City, Mo. Drill rig catwalk. 2,646,317, July 21.
Holliday, Ivar M., G. R. Douglas, and C. R. Hanna, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gyroscope system for dirigible craft. 2,663,838, Dec. 22.
Holliday, L. B., & Company, Limited, assignee: *See*—
Appleton, Henry B., and Kiehl.
Hollidge, Raymond W., Arcola, Va. Carpenter's saw trestle. 2,634,172, Apr. 7.
Hollihan, Mathilda R., Chester, Pa. Amusement device. 2,644,890, July 7.
Hollingbery, William B., Whitley Bay, England, assignor to Houseman & Thompson Limited. Automatic blow-down valve. 2,661,014, Dec. 1.
Hollinger, Harry C.: *See*—
Tranter, Watson W., and Hollinger.
Hollinger, Harry C., assignor to A. B. Farquhar Company, York, Pa. Overload clutch. 2,631,444, Mar. 17.
Hollinger, Jay L., Hershey, Pa. Infrared lamp brooder. 2,627,016, Jan. 27.
Hollingshead, Ethan A.: *See*—
Phillips, Norman W. F., Hollingshead, and Hutchmor.
Hollingsworth, Ashley J.: *See*—
Cook, Thomas L., and Hollingsworth.
Hollingsworth, John H., Altadena, and K. L. Bedell, assignors to Holly Manufacturing Company, Pasadena, Calif. Wall heater. 2,642,270, June 16.
Hollingsworth, Kenneth A., Cedar Rapids, Iowa. Fish lure guard. 2,663,111, Dec. 22.
Hollingsworth, Lowell M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave guide calorimeter wattmeter. 2,648,047, Aug. 4.
Hollingsworth, Philip M., Sidcup, Kent, assignor to Johnson and Phillips Limited, London, England. Electric cable. 2,664,372, Dec. 29.
Hollingsworth, Stanley J., Jenks, Okla. Fishing line signal light. 2,654,972, Oct. 13.
Hollins, Frank A.: *See*—
Jones, Randlett F., and Hollins.
Hollins, Jesse R., Brooklyn, N. Y. Vehicle lamp with lens and reflector means. 2,637,804, May 5.
Hollins, Jesse R., Brooklyn, N. Y. Directional signal system. 2,652,553, Sept. 15.
Hollinshead, William H., St. Paul, Minn. Control switch. 2,658,397, Nov. 10.
Hollis, Charles E.: *See*—
Milne, John N., Faulkner, and Hollis.
Hollis, James E., deceased; L. A. Hollis, administratrix, assignor to L. A. Hollis, Forth Worth, Tex. Cooling system for internal-combustion engines. 2,635,592, Apr. 21.
Hollis, Lillian A., administratrix, assignee: *See*—
Hollis, James E.
Hollis, Morton, Newton Center, assignor to Foster Grant Co., Inc., Leominster, Mass. Display card for spectacles. 2,656,917, Oct. 27.
Hollis, Morton, Newton, assignor to Foster Grant Co., Inc., Leominster, Mass. Spectacles display card. 2,656,918, Oct. 27.
Hollister, James F., Bergenfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic steering system with displacement limiting means. 2,662,207, Dec. 8.
Hollman, Peter I., assignor to Geo. D. Roper Corporation, Rockford, Ill. Lighter valve unit. 2,639,765, May 26.
Hollman, Peter I., Rockford, Ill., assignor to Geo. D. Roper Corporation. Main burner ignition system. 2,649,904, Aug. 25.
Hollmann, Hans E., Camarillo, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Stabilizing steering vane. 2,640,453, June 2.

Hollmann, Hans E., Oxnard, Calif. Electrical device and preparation. 2,639,380, May 19.
Hollop, Paul, Gross-Denkte, uber Wolfenbuttel, Germany. Card file. 2,636,496, Apr. 28.
Hollopetre, John B.: *See*—
Kuebler, Arthur G., and Hollopetre.
Holloway, Daniel E., Inglewood, Calif., assignor to North American Aviation Inc. Testing device for aircraft load release mechanism. 2,636,384, Apr. 28.
Holloway, Frederic A. L.: *See*—
Howe, Ralph F., and Holloway.
Hollowell, L. B., assignee: *See*—
Martin, William L.
Holly, Frederick W., Cranford, C. H. Shunk, Westfield, J. J. Cahill, Princeton, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. 1-glycosido-5,6 dimethyl benzimidazoles and process therefor. 2,644,817, July 7.
Holly, Frederick W., Cranford, C. H. Shunk, Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of N-glycosides of 5,6 dimethyl benzimidazoles. 2,662,883, Dec. 15.
Holly Manufacturing Company, assignee: *See*—
Hollingsworth, John H., and Bedell.
Hollyday, William C., Jr., Fanwood, and M. H. Mahan, Roselle, N. J., assignors to Standard Oil Development Company. Modified copolymers and preparation and uses thereof. 2,658,872, Nov. 10.
Hollymade Hardware Manufacturing Company, assignee: *See*—
Cerf, Robert C., Jr.
Holm, Carl B., Roslags-Nagby, Sweden. Connecting structural parts. 2,626,455, Jan. 27.
Holm, Danckert K., Oslo, Norway. Guide device for industrial flat belts, ropes, or the like. 2,655,814, Oct. 20.
Holm, Julius A., assignor of one-third to S. G. Wales, Jr., one-sixth to W. Lindstrom, and one-sixth to L. Lindstrom, Iron River, Mich. Snowplow attachment. 2,642,294, June 16.
Holm, Ralph L.: *See*—
Dalgiish, James J., and Holm.
Holm, Sven: *See*—
Lyerly, Ray L., and Holm.
Holm, Sven, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Plate type heat exchanger. 2,645,462, July 14.
Holm, Sven, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Combined regenerator and precooler for gas turbine cycles. 2,650,073, Aug. 25.
Holm, Sven, and W. E. Hammond, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Laminated heat exchanger. 2,656,159, Oct. 20.
Holman, Erwin W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal delay device. 2,626,992, Jan. 27.
Holman, Frank H., Jr., Swarthmore, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Combined power-assisted and mechanical braking systems for vehicles. 2,649,169, Aug. 18.
Holman, Harry P., Arkansas City, Kans. Drag weight for covering and packing planted seed. 2,659,289, Nov. 17.
Holman, Herbert E., assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Producing metal mesh screens. 2,650,900, Sept. 1.
Holman, Herbert E., West Drayton, assignor to Electric & Musical Industries Limited, Hayes, England. Screw and nut mechanism. 2,659,241, Nov. 17.
Holman, James H., Scottsdale, Ariz. Adjustable fence post anchoring means. 2,647,593, Aug. 4.
Holmbeck, John D.: *See*—
Overbey, Ernest E., and Holmbeck.
Holmbeck, John D., assignor to The James Knights Company, Sandwich, Ill. Piezoelectric crystal and making it. 2,626,363, Jan. 20.
Holmberg, Hartvig E., assignor to The Hart Manufacturing Co., St. Paul, Minn. Card feedbox. 2,626,149, Jan. 20.
Holmberg, Henry, assignor to Marquette Manufacturing Co., Ludington, Mich. Overbed table. 2,640,748, June 2.
Holmberg, John E., and A. J. Gruener, Duluth, Minn., said Gruener assignor to M. F. Stoffel, Minneapolis, Minn. Spark plug heating and protecting attachment. 2,646,029, July 21.
Holmberg, Lawrence O., Winnetka, Ill. Container carrier. 2,646,911, July 28.
Holmdahl, Arthur C., assignor to Midwest Metal Stamping Co., Kellogg, Iowa. Support for hoops for basketball games. 2,655,377, Oct. 13.
Holmen, John D.: *See*—
Anderson, Albert L., and Holmen.
Holmen, Thorleif K., Brooklyn, N. Y. Balanced load hanger. 2,656,997, Oct. 27.
Holmes, Alan D., Oak Park, assignor to Armour and Company, Chicago, Ill. Lyophilization container. 2,647,513, Aug. 4.
Holmes, Bradford B.: *See*—
Pauly, Jacob L., and Holmes.
Seid, Bernard, Holmes, and Pauly.
Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Demand regulator. 2,627,866, Feb. 10.
Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Exhalatio valve. 2,629,375, Feb. 24.
Holmes, Bradford B., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Respiratory d vice. 2,630,129, Mar. 3.
Holmes, Burton F., and H. H. Heindel, assignors to Schultz Die Casting Company, Toledo, Ohio. Contr circuits for space discharge tube. 2,629,070, Feb. 1
Holmes, Elbridge R., assignor to Crompton & Knowl Loom Works, Worcester, Mass. Cloth roll mountin for narrow ware looms. 2,642,096, June 16.
Holmes, Elbridge R., assignor to Crompton & Knowl Loom Works, Worcester, Mass. Narrow ware loo 2,657,715, Nov. 3.
Holmes Electric Protective Company, assignee: *See*— Loudon, Clifford L.
Holmes, Ernest, Company, assignee: *See*—
Holmes, Ernest W., and E. W. Holmes, Jr.
Holmes, Ernest W., Jr.
Holmes, Ernest W., deceased, late of Chattanooga, Ten by S. B. Strang, administrator, and E. W. Holmes, J Chattanooga, Tenn., assignors to Ernest Holmes Co pany. Boom structure for wreckers and similar app ratus. 2,637,447, May 5.
Holmes, Ernest W., deceased, late of Chattanooga, Ten by S. B. Strang, administrator, and E. W. Holmes, J Chattanooga, Tenn., assignors to Ernest Holmes Co pany. Wrecker. 2,637,448, May 5.
Holmes, Ernest W., Jr.: *See*—
Holmes, Ernest W., and E. W. Holmes, Jr.
Holmes, Ernest W., Jr., Chattanooga, Tenn., assignor Ernest Holmes Company. Steering wheel clamp f automobiles. 2,625,837, Jan. 20.
Holmes, Ester, assignee: *See*—
Holmes, Joseph E.
Holmes, Frank G., Philadelphia, Pa. Telephone holdi unit. 2,663,764, Dec. 22.
Holmes, Fred T., Denver, Colo. Spring oscillating cha 2,625,205, Jan. 13.
Holmes, Henry B., Lafayette, and R. A. Road, We Lafayette, assignors to Duncan Electric Manufacturi Company, Lafayette, Ind. Damping unit for met disks. 2,658,181, Nov. 3.
Holmes, Henry H.: *See*—
Saunders, Alfred P., and Holmes.
Holmes, Henry H., assignor to Wildt and Company Li ited, Leicester, England. Knitted ware and producti same. 2,648,963, Aug. 18.
Holmes, Herbert B. and O., Marfa, Tex. Artific flower. 2,631,396, Mar. 17.
Holmes, Hillard M., Lake Tahoe, Calif. Device for use filling cavities in teeth. 2,648,906, Aug. 18.
Holmes, Jack, assignor to James C. Heintz & Compar Inc., Cleveland, Ohio. Electronic relay contr 2,662,155, Dec. 8.
Holmes, Joseph E., assignor of one-half to E. Holm Huntington Park, Calif. Hedge trimmer. 2,645,01 July 14.
Holmes, Joseph G., Downey, Calif. Combined hose a sprinkler head holder. 2,657,096, Oct. 27.
Holmes, Louis D., Blue Island, assignor to Whiting Cor ration, Harvey, Ill. Apparatus adapted to wash t roofs of railway and like vehicles, and embodying a v tically swinging brush-carrying frame. 2,627,0 Feb. 3.
Holmes, Louis D., Blue Island, assignor to Whiting C poration, Harvey, Ill. Rotary brush type apparat for washing roofs of railway cars and other vehicl 2,637,054, May 5.
Holmes, Louis D., Blue Island, assignor to Whiting C poration, Harvey, Ill. Apparatus adapted for use washing eaves of railway and other vehicles and e bodying one or more rotary power-driven brus mounted to swing bodily up and down and also to t 2,647,272, Aug. 4.
Holmes, Louis D., Blue Island, and R. S. Hammon Winnetka, Ill., assignors to Whiting Corporation. Dr table apparatus. 2,640,436, June 2.
Holmes, Louis D., Blue Island, and R. S. Hammon Winnetka, Ill., assignors to Whiting Corporation. Dr pit apparatus. 2,652,784, Sept. 22.
Holmes, Lynn C., Fairport, N. Y., assignor to Strombe Carlson Company. Means for improving the performan of magnetic sound recording and reproducing hea 2,658,113, Nov. 3.
Holmes, Odis L., Waco, Tex., assignor to The Eagle-Pich Company, Cincinnati, Ohio. Demonstration devi 2,627,678, Feb. 10.
Holmes, Ola: *See*—
Holmes, Herbert B. and O.
Holmes, Ossian G., Riverside, assignor to Brown a Sharpe Manufacturing Company, Providence, R. Automatic screw and similar machine. 2,627,618, F 10.
Holmes, Otis M.: *See*—
Butler, Ernest L., and Holmes.
Holmes, Paul N., Longview, Wash. Timber truss jo 2,629,906, Mar. 3.
Holmes, Raynor M.: *See*—
Inman, William H., and Holmes.
Holmes, Robert L., Naval Base, S. C., assignor to R bestos-Manhattan, Inc., Passaic, N. J. Polychloropre phenol-aldehyde compositions. 2,635,088, Apr. 14.

Holmes, Wilbur C., Hollydale, assignor to Tap and Drill Ez Corp., Inglewood, Calif. Metal-working lubricant. 2,645,614, July 14.

Holmsten, Neil O., New Rochelle, N. Y. Locking device for window latches. 2,648,967, Aug. 18.

Holmsten, Neil O., New Rochelle, N. Y. Locking device. 2,648,968, Aug. 18.

Holohan, Bartholomew: *See*—
Pinkham, Clarence A., and Holohan.

Holo-Krome Screw Corporation, The, assignee: *See*—
Klooz, Paul W.

Holophane Company, Inc., assignee: *See*—
Franck, Kurt.
Roiph, Thomas W., and Franck.
Wince, Vearl S.

Holoplast Limited, assignee: *See*—
Gonda, Desiré, and Hodge.

Holschuh, Carl G., Huntington, and D. Fram, Brooklyn, N. Y., assignor to The Sperry Corporation. Ballistic mechanism. 2,638,269, May 12.

Holschuh, Carl G., Glen Head, E. B. Hammond, Jr., and W. T. White, Brooklyn, N. Y., assignors to The Sperry Corporation. Stabilized tracking and fire control system. 2,660,793, Dec. 1.

Holsclaw, Charles H., Evansville, Ind. Means for suspending a boat from a trailer. 2,626,072, Jan. 20.

Holst, John C., Salt Lake City, Utah, assignor of twenty-five per cent to F. K. Bennie, Trona, Calif., twenty-five per cent to L. W. Bennie, Memphis, Tenn., and twenty-five per cent to L. Holst, Salt Lake City, Utah. Induction motor with sealed rotor. 2,657,322, Oct. 27.

Holst, Lamont, assignee: *See*—
Holst, John C.

Holstebro, Kaye, Gildersleeve, and E. Ardell, Middletown, Conn., assignors to Emhart Manufacturing Company. Apparatus for removing articles from cases. 2,631,746, Mar. 17.

Holstebroe, Kaye, Gildersleeve, and E. Ardell, and L. Wimmer, Middletown, Conn., assignors to Emhart Manufacturing Company. Adhesive applying device for case closing and sealing apparatus. 2,657,664, Nov. 3.

Holstebroe, Kaye B.: *See*—
Rideout, Arthur E., Holstebroe, and Johnson.

Holstein, Alvin W., assignor to Knapp-Monarch Company, St. Louis, Mo. Constant speed centrifugal clutch. 2,631,708, Mar. 17.

Holstein, Alvin W., assignor to Knapp-Monarch Company, St. Louis, Mo. Window fan support. 2,656,974, Oct. 27.

Holston, Linza B.: *See*—
Stricklen, Walter W., and Holston.

Holt, Edman F.: *See*—
Fetter, William G., Wood, and Holt.

Holt, Eugene, North Hollywood, Calif., assignor to Safety Precisions Limited, Montreal, Quebec, Canada. Safety closure for containers. 2,648,467, Aug. 11.

Holt, Frederick W., Jr., Troy, D. E. Bench, Trotwood, and W. Ernst, Dayton, assignors to The Brown-Bridge Mills, Inc., Troy, Ohio. Application of thermoplastic tape. 2,625,287, Jan. 13.

Holt, George C., Inc., assignee: *See*—
La France, David J.

Holt, Horace A., Kent, England. Tie and garment press. 2,627,129, Feb. 3.

Holt, Laurence C.: *See*—
Hammond, Walter H., Holt, and Schaefer.

Holt, Raymond B., Alhambra, Calif. Means to close filling opening in prepared poultry. 2,649,614, Aug. 25.

Holt, Sherwood G.: *See*—
Kammer, Erwin W., Vigness, and Holt.

Holt, William J., Jr., Garland, Tex. Control circuit for electric translating systems. 2,638,569, May 12.

Holt, William J., Jr., Garland, Tex. Climbing toy. 2,658,306, Nov. 10.

Holte, Paul C., Canton, assignor to Pullman Sales Corporation, Roxbury, Mass. Gun for delivering a detergent in foam form. 2,624,622, Jan. 6.

Holthaus, Paul W., Heessen, Germany. Fuel gas treatment. 2,641,114, June 9.

Holthouse, Harry B.: *See*—
Holthouse, Harry B., Sr., and H. B. Holthouse, Jr.

Holthouse, Harry B., Jr.: *See*—
Holthouse, Harry B., Sr., and H. B. Holthouse, Jr.

Holthouse, Harry B., Sr., and H. B. Holthouse, Jr., Chicago, Ill., assignors, by mesne assignments, to H. B. Holthouse. Ignition system and means for initiating combustion of fuel in a fuel burner. 2,645,278, July 14.

Holtje, John F., New York, N. Y. Illuminated message case. 2,629,043, Feb. 17.

Holt-Seeland, Aage, Los Angeles, Calif. Obtaining stereophonic sound. 2,655,564, Oct. 13.

Holtz, Edward H., Teaneck, and C. R. Sellen, North Bergen, assignors to Keuffel & Esser Company, Hoboken, N. J. Measuring tape fastener. 2,648,114, Aug. 11.

Holtz, Ernest F.: *See*—
Sanford, Elbert A., and Holtz.

Holtz, Frederick C., Jr., Wadsworth, Ill., assignor to Pfanstiehl Chemical Company. Phonograph needle. 2,660,438, Nov. 24.

Holtz, Harry G.: *See*—
Chapman, Thomas J. C., Holtz, and Jenison.

Holtz, Harry G., Oak Lawn, assignor to Swift & Company, Chicago, Ill. Applicator for sealing packages. 2,649,072, Aug. 18.

Holtz, Harry G., Oak Lawn, assignor to Swift & Company, Chicago, Ill. Packaging table-ready meats. 2,652,669, Sept. 22.

Holtzclaw, Grover B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Humidifying system and apparatus. 2,630,972, Mar. 10.

Holtzclaw, Grover B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Updraft traveling blower for cleaning overhead surfaces of enclosures. 2,635,275, Apr. 21.

Holtzclaw, Grover B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Humidifying system and apparatus. 2,663,500, Dec. 22.

Holtzclaw, John B., Roselle, N. J., assignor to Standard Oil Development Company. Recovery of useful product from spent doctor. 2,655,483, Oct. 13.

Holtzclaw, John B., Roselle, and J. D. Brooks, Elizabeth, N. J., assignors to Standard Oil Development Company. Recovery of useful product from spent doctor. 2,655,482, Oct. 13.

Holtzendorff, Lucian C., Valdosta, Ga. Supplemental seat for dental chairs and the like. 2,652,883, Sept. 22.

Holtzman, Harris, and E. Simon, assignors to Ansbacher-Siegle Corporation, New York, N. Y. Preparation of chlorinated copper phthalocyanine. 2,662,085, Dec. 8.

Holub-Dusha Co., assignee: *See*—
Hajek, Louis.

Holub, Edward M.: *See*—
Babcock, Roger S., and Holub.

Holy, Mitchel E., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Bottle carrier. 2,630,264, Mar. 3.

Holysz, Roman P., Jr., and J. A. Campbell, assignors to The Upjohn Company, Kalamazoo, Mich. Halogenation process. 2,662,903, Dec. 15.

Holzer, Albert W., Arlington, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bake oven for incandescent lamps. 2,645,862, July 21.

Holzer, Wolfgang, and A. Marko, Vienna, Austria, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Arrangement for recording variations in the electrical resistance of the human body. 2,661,734, Dec. 8.

Holzman, George, Walnut Creek, and G. M. Good, Albany, assignors to Shell Development Company, Emeryville, Calif. Isomerization and separation of xylenes. 2,656,397, Oct. 20.

Holzmann, Hermann, Hanau (Main), assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt am Main, Germany. Recovery of platinum. 2,648,393, Aug. 11.

Holzner, Adolf, Merrick, N. Y. Cyclometer counter. 2,633,298, Mar. 31.

Holzner, Adolf, Merrick, N. Y. Cyclometer indicator mechanism for twenty-four hour cyclometer clocks. 2,636,339, Apr. 28.

Holzwarth, Hans T., Westfield, assignor to The M. W. Kellogg Company, Jersey City, N. J. Turbine structure. 2,631,815, Mar. 17.

Holzwarth, Hans T., Westfield, N. J., assignor to the United States of America as represented by the Secretary of the Air Force. High-speed turbine. 2,643,852, June 30.

Homan, Jan D. H., Oss, Netherlands, assignor to Organon Inc., Orange, N. J. Preparing crystalline insulin from acid alcoholic extracts of pancreas glands. 2,663,666, Dec. 22.

Homasote Company, assignee: *See*—
Alvarez, Alfonso, Jr.

Home Curtain Corp., assignee: *See*—
Bender, Harry.

Homelite Corporation, assignee: *See*—
Abbott, John A., Barber, Newman, and Schindler.

Homemakers' Products Corporation, assignee: *See*—
Mahon, Thomas J.

Homer, Horace H., Arlington, assignor to Sylvania Electric Products Inc., Salem, Mass. Phosphor suspension and applying. 2,647,066, July 28.

Homer, Horace H., Arlington, assignor to Sylvania Electric Products Inc., Salem, Mass. Phosphor manufacture. 2,647,086, July 28.

Homer, Horace H., Arlington, assignor to Sylvania Electric Products Inc., Salem, Mass. Electric discharge lamp. 2,663,816, Dec. 22.

Homer, Horace H., Arlington, and E. F. Lowry, Lynn, assignors to Sylvania Electric Products Inc., Salem, Mass. Electrode for electric discharge lamps. 2,657,325, Oct. 27.

Homer, Jacob: *See*—
Fleisher, Harry, and Homer.

Homeyer, August H., Webster Groves, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Preparing beta keto esters of thiophenes. 2,630,437, Mar. 3.

Homeyer, August H., Webster Groves, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Preparing 2,6-diketopurines. 2,646,432, July 21.

Homeyer, August H., Webster Groves, and G. B. De La Mater, St. Louis County, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparing dihydrocodeinone, dihydromorphinone, and codeinone. 2,628,962, Feb. 17.

Homeyer, August H., Webster Groves, and G. B. De La Mater, St. Louis County, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparing codeinone, dihydrocodeinone, and dihydromorphinone. 2,654,756, Oct. 6.

Homkes, Bartell J., Chicago, Ill., assignor to General Electric Company. Control device adjustment means. 2,645,945, July 21.

Homme, Vernon E.: *See*—
Lloyd, Rex R., Rosenbaum, and Homme.

Homrighausen, William F.: *See*—
Baufeld, Joseph R., Lebovitz, and Homrighausen.

Homrighous, John H., Oak Park, Ill. Multiplex television system. 2,628,274, Feb. 10.

Homrighous, John H., Oak Park, Ill. Multiplex radiophone communication system. 2,635,233, Apr. 14.

Homrighous, John H., Oak Park, Ill. Multiplex radiophone communication system. 2,649,540, Aug. 18.

Homrighous, John H., Oak Park, Ill. Multiplex time division telephone systems. 2,655,652, Oct. 13.

Hon, Nancy, assignor, by mesne assignments, of one-half to G. M. Passler, Kansas City, Mo. Panty with plastic crotch liner. 2,636,494, Apr. 28.

Honan-Crane Corporation, assignee: *See*—
Fisher, Frank G.
Gardes, Alfred W.

Honan, Paul R.: *See*—
Crane, Victor S., and Honan.

Honda, Hajime, assignor to Philco Corporation, Philadelphia, Pa. Wave attenuator. 2,634,331, Apr. 7.

Honegger, Pierre P., Geneva, Switzerland. Device for controlling the passage of a fluid. 2,649,273, Aug. 18.

Hönel, Herbert, Hamburg-Wandsbek, Germany, and H. Manzano, Vienna, Austria. Resol-alkyd resin products. 2,626,249, Jan. 20.

Hönel, Herbert, Hamburg-Wandsbek, Germany, and H. Manzano, Vienna, Austria. Resol-alkyd resin product. 2,649,433, Aug. 18.

Honey, John F., Menlo Park, Calif., assignor to the United States of America as represented by the Secretary of the Army. Alignment indicator. 2,659,050, Nov. 10.

Honey, John F., Menlo Park, Calif., assignor to the United States of America as represented by the Secretary of the Army. Carrier insertion. 2,659,051, Nov. 10.

Hönig, Fritz, assignor to Veitscher Magnesitwerke-Aktiengesellschaft, Vienna, Austria. Suspended brick roof with flexible suspension means. 2,659,325, Nov. 17.

Hönig, Fritz, assignor to Veitscher Magnesitwerke-Aktiengesellschaft, Vienna, Austria. Roof for tilting furnaces. 2,659,326, Nov. 17.

Hönig, Fritz, assignor to Veitscher Magnesitwerke-Aktiengesellschaft, Vienna, Austria. Furnace roof. 2,659,327, Nov. 17.

Honig, Harry: *See*—
Spiegler, Moe, and Honig.

Honig, Harry, and M. Greenfield, New York, N. Y. Slip stitch sewing machine. 2,635,570, Apr. 21.

Honiss, William T., West Hartford, Conn., assignor to Emhart Manufacturing Company. Molten glass feeder spout. 2,654,185, Oct. 6.

Honn, Floyd R., assignee: *See*—
Andersen, Charles M.

Honoré, Etienne A. H.: *See*—
Torcheux, Emile L. G., and Honoré.

Honsinger, Oliver W., St. Catharines, Ontario, Canada, assignor to Foster Wheeler Corporation, New York, N. Y. Combination air control and ash removal apparatus for grate fired furnaces. 2,624,300, Jan. 6.

Hood, Andrew: *See*—
Coles, Arthur, Jr., and Hood.

Hood, Charles N., II, Schenectady, and W. S. Oakes, Jr., Pattersonville, N. Y., assignors to General Electric Company. Control for screen exciting oscillator. 2,637,005, Apr. 28.

Hood, E. Elliott: *See*—
Dickey, John W., and Hood.
Dickey, John W., Hood, and Gerwig.

Hood, Edwin E., Elmira, N. Y., assignor to Bendix Aviation Corporation. Driving mechanism for velocipedes and the like. 2,649,942, Aug. 25.

Hood, Eugene J., assignor to F. B. and H. E. Williams, Carthage, Mo. Spring mattress construction. 2,644,174, July 7.

Hood, Herman A., Houston, Tex. Electrical ground detector. 2,660,717, Nov. 24.

Hood, John W., Ridgewood, N. J. Sewage purification treatment. 2,658,034, Nov. 3.

Hood, Lawrence D., Jefferson County, Colo. Insulating sheath with embedded electrical conductor. 2,647,160, July 28.

Hooe, Charles R., Severna Park, Md. Sunray heat cabinet. 2,653,612, Sept. 29.

Hooe, Hunter E.: *See*—
Connor, Roger, and Hooe.

Hooe, Hunter E., assignor to The McBee Company, Athens, Ohio. Apparatus for notching or slotting perforated cards. 2,630,863, Mar. 10.

Hooe, Hunter E., assignor to The McBee Company, Athens, Ohio. Card punch and die assembly. 2,651,363, Sept. 8.

Hoof Products Company, assignee: *See*—
Jennings, Jarvis S.

Hoog, Han: *See*—
Engel, Willem F., and Hoog.

Hoogsteen, Harold M., and N. R. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Alky[d] and varnishes comprising same. 2,626,939, Jan. 27.

Hooijkamp, Cornelis, Hilversum, Netherlands, and Haus, Zurich, Switzerland, assignors to Hartford N[ational] tional Bank and Trust Company, Hartford, Conn., trustee. Circuit-arrangement in a telephone system f[or] the reception of signals. 2,654,002, Sept. 29.

Hook, Donald E.: *See*—
Barry, Arthur J., De Pree, and Hook.
Barry, Arthur J., Hook, and De Pree.

Hook, Edwin O., New Canaan, and L. C. Beegle, Stamfo[rd] Conn., assignors to American Cyanamid Company, N[ew] York, N. Y. S-(sulfurized terpene hydrocarbon)dith[io] phosphoric acid triesters and producing the sam[e] 2,627,523, Feb. 3.

Hook, Edwin O., New Canaan, and L. C. Beegle, Stamfo[rd] Conn., assignors to American Cyanamid Company, N[ew] York, N. Y. Hydrocarbon oil containing S-(sulfuriz[ed] terpene hydrocarbon)dithiophosphoric acid triester 2,657,900, Nov. 3.

Hooker, Charles L., Jr., El Cajon, Calif. Disposal devi[ce] for cigars, cigarettes, and like waste materia[l] 2,663,504, Dec. 22.

Hooker, Donald E., Skokie, assignor to R. T. Molone[y] Chicago, Ill. Electromagnetic stepping mechanis[m] 2,627,755, Feb. 10.

Hooker, Donald E., Skokie, assignor to R. T. Molone[y] Chicago, Ill. Indexing mechanism. 2,627,945, Feb. 1[7]

Hooker, Donald E., Skokie, assignor to R. T. Molone[y] Chicago, Ill. Scrambling switch. 2,629,475, Feb. 2[4]

Hooker, Donald E., assignor to R. T. Moloney, Chicag[o] Ill. Photoelectric marksmanship apparatus. 2,629,59[8] Feb. 24.

Hooker Electrochemical Company, assignee: *See*—
Maude, Aylmer H., and Rosenberg.
Sonia, Joseph A., and Scremin.
Spence, Harry R.
Stuart, Kenneth E.

Hooker, Emerson F., Lexington, N. C. Steel side rail f[or] wood beds. 2,631,305, Mar. 17.

Hooker, Ray O., San Fernando, Calif. Electric shea[r] 2,637,103, May 5.

Hooker, Ray O., San Fernando, Calif. Device for det[er] mining the depth of water of a predetermined tempe[r] ture. 2,656,610, Oct. 27.

Hooker, Stanley G.: *See*—
Page, Frederick W., and Hooker.

Hooker, Stanley G., Duffield, Derby, assignor to Rolls-Roy[ce] Limited, Derby, England. Fuel system for gas-turb[ine] engines. 2,629,982, Mar. 3.

Hooker, Stanley G., Sabden, near Blackburn, and H. Pe[ar]son, Brierfield, assignors to Rolls-Royce Limited, Derb[y] England. Aircraft cabin ventilating or pressuriz[ing] apparatus. 2,634,668, Apr. 14.

Hooker, William P., assignee: *See*—
O'Reilly, Joseph A.

Hookham, George, assignor to John Miles & Partn[ers] (London) Limited, London, England. Goggle val[ve] 2,661,770, Dec. 8.

Hookham, George, assignor to John Miles & Partn[ers] (London) Limited, London, England. Goggle val[ve] 2,661,771, Dec. 8.

Hooksfratten, Kathleen L., Whittier, Calif. Lad[ies'] shoulder protector. 2,654,887, Oct. 13.

Hooley, Wesley W., Hammett, Idaho. Front mount[ed] tractor mower. 2,629,219, Feb. 24.

Hooper, Clarence A., Flint, assignor to General Mot[ors] Corporation, Detroit, Mich. Broach. 2,656,5[58] Oct. 27.

Hooper, Edward, South Shields, England. Dough mi[xer] with hook attachment. 2,650,806, Sept. 1.

Hooper, Leon T.: *See*—
Forse, Harry D., Thompson, and Hooper.

Hooper, Norbert, Castleton, England. Yarn building [ap]tion. 2,630,276, Mar. 3.

Hooper, William K., Brookfield Center, assignor to Spe[ry] Products, Inc., Danbury, Conn. Multiple angle pie[zo] electric searching unit. 2,629,835, Feb. 24.

Hoopes, Harry P., Berkeley, Calif., assignor to Pabco Pr[od]ucts Inc. Apparatus for molding tubular insulati[on] 2,631,351, Mar. 17.

Hoopes, Harry P., Berkeley, assignor to Pabco Produ[cts] Inc., San Francisco, Calif. Ejection molding apparat[us] 2,653,370, Sept. 29.

Hoopes, John E., Chester, Pa., assignor to Sinclair [Re]fining Company, New York, N. Y. Slide valve for c[on]trolling the flow of suspended solids. 2,631,759, Mar.

Hoopingarner, Isabel, Dallas, Tex. Convertible co[ver] bed. 2,640,997, June 9.

Hoopingarner, Revere G., Royal Oak, Mich. Pickup m[em]ber for lawn debris. 2,630,663, Mar. 10.

Hooven, Frederick J., Dayton, Ohio. Electrical syst[em] 2,653,290, Sept. 22.

Hoover Ball & Bearing Company, assignee: *See*—
Lighthall, Cone W.

Hoover, Caroline E., trustee, assignee: *See*—
Brosseau, Joseph E.

Hoover, Charles O., Houston, Tex., assignor to Air [Re]duction Company, Incorporated, New York, N. Y. [Re]moving sulfur from petroleum hydrocarbons. 2,640,0[78] May 26.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Neutralization of acid constituents in petroleum. 2,658,027, Nov. 3.

Hoover Company, The, assignee: *See*—
Brace, George A.
Brown, Ralph L., and Vance.
Cordray, Belle.
Cuddeback, Nelson C.
Daiger, George P.
Fichter, Ludwig J.
Fitzsimmons, Richard R.
Gardner, Roland H.
Gerber, Dale C.
Gerber, Dale C., and Vance.
Gross, Alfred G.
Hawk, Grover G.
Horvath, Anthony G.
Humphrey, Warren A.
Kanta, George E.
Kaufman, George E.
La Briere, Nelson W.
Martin, Frank A., and Ripple.
Martin, Frank A., and Warburton.
Moyer, Joseph.
Piper, Glenn T.
Ripple, Melvin H.
Segesman, Louis E.
Smellie, Donald G.
Smith, Richard H.
Snyder, Eugene L.
Stein, Herman W., and Risher.
Sutton, Otis B.
Sutton, Otis B., and Humphrey.
Swann, Edward R.
Tamm, Emil S.
Tschudy, Donald B.
Vance, John E.
White, Harry B.
Wilson, Herbert W.
Woessner, William H.

Hoover, Daniel S., Mansfield, Ohio. Hydraulically operated loading apparatus. 2,648,449, Aug. 11.

Hoover, Fermen E., Brewster, Kans. Power disk plow. 2,624,254, Jan. 6.

Hoover, George W., Lincoln, Nebr. Directional horizon indicating instrument. 2,636,161, Apr. 21.

Hoover, Guy A., Fort Wayne, Ind. Hernia truss. 2,652,051, Sept. 15.

Hoover, John R., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sheet rubber having a nonsticking liner and making same. 2,656,292, Oct. 20.

Hoover, Richard D.: *See*—
Graham, William R., Jr., Kohler, and Hoover.

Hope, Henry, & Sons Limited, assignee: *See*—
Wilson, Edward M.

Hope, Lawrence F., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Combined torsiograph and torsiograph calibration device. 2,634,604, Apr. 14.

Hopeman, Albert A., Jr., and J. A. Bohnsack, Waynesboro, Va., assignors to Hopeman Bros., Inc., New York, N. Y. Combined folding bed and seat. 2,634,429, Apr. 14.

Hopeman, Albert A., Jr., Bronxville, N. Y., and J. A. Bohnsack, Waynesboro, Va., assignors to Hopeman Bros., Inc., New York, N. Y. Folding berth. 2,652,572, Sept. 22.

Hopeman Bros., Inc., assignee: *See*—
Hopeman, Albert A., Jr., and Bohnsack.

Hopfeld, Fred P., Elmwood Park, assignor to Grand Specialties Company, Chicago, Ill. Straight beam clamp with adjustable self-locking jaw. 2,656,864, Oct. 27.

Hopff, Heinrich, and H. Spaenig, Ludwigshafen (Rhine), Germany. Calcium choline citrate salt of P-amino salicylic acid. 2,655,529, Oct. 13.

Hopff, Heinrich, and H. Spaenig, Ludwigshafen (Rhine), Germany. N-oxoalkyl-para-aminosalicylic acids. 2,655,532, Oct. 13.

Hopff, Heinrich, Ludwigshafen (Rhine), and K. Vierling, am Muehlrain, Neckargemuend, Germany. Preparation of choline chloride. 2,655,541, Oct. 13.

Hopgood, Robert B., Cheshire, assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 2,636,598, Apr. 28.

Hopgood, Roy C., Glen Ridge, N. J., assignor to The American Hardware Corporation, New Britain, Conn. Latch mechanism. 2,650,123, Aug. 25.

Hopkes, Henry, Grosse Pointe, assignor to No-Sag Spring Company, Warren Township, Mich. Spring strip for connecting springs into groups. 2,648,851, Aug. 18.

Hopkin, Alfred, Jr., Philadelphia, Pa., assignor to Arrow Safety Device Company, Mount Holly, N. J. Automotive signal light control switch. 2,657,293, Oct. 27.

Hopkin, Donald E.: *See*—
Gwinn, Myron B., and Hopkin.

Hopkins, Alan, Hollywood, assignor to The Roberts Co., Los Angeles, Calif. Carpet stretching device. 2,631,403, Mar. 17.

Hopkins, Alfred J.: *See*—
Sauerman, Ernst C., Hopkins, Joseph and John Erwood.

Hopkins, Cecil W., assignor to Landis Machine Company, Waynesboro, Pa. Apparatus for forming rods, bolts, or the like. 2,632,345, Mar. 24.

Hopkins, David W., assignor to R-S Products Corporation, Philadelphia, Pa. Variable stroke cushioned valve. 2,646,074, July 21.

Hopkins, Ethan C., Arlington, Mass. Apparatus for making rotors for induction motors. 2,627,765, Feb. 10.

Hopkins, Frank H.: *See*—
Eplett, Albert D., and Hopkins.

Hopkins, George R., Silver Spring, Md. Underwater drilling derrick. 2,661,600, Dec. 8.

Hopkins, George W., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Dividend aligning mechanism. 2,653,763, Sept. 29.

Hopkins, George W., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Division-aligner. 2,653,764, Sept. 29.

Hopkins, George W., and D. L. Rolph, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc. Key-set-key-responsive calculating machine. 2,660,374, Nov. 24.

Hopkins, Harold H., assignor to W. Watson & Sons, Limited, London, England. Variable magnification optical system. 2,663,223, Dec. 22.

Hopkins, Harris F., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone circuit. 2,629,783, Feb. 24.

Hopkins, Horace E., Jeffersonville, Ind. Oil burner and support therefor. 2,638,890, May 19.

Hopkins, John R.: *See*—
Rescsanski, Joseph A., and Hopkins.

Hopkins, Richard B., Waukesha, Wis. Torsion spring mounting of tractor drive wheels. 2,650,668, Sept. 1.

Hopkins, Richard J., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Control valve mechanism. 2,654,383, Oct. 6.

Hopkins, Richard J., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Cable reeling mechanism. 2,654,548, Oct. 6.

Hopkins, William B., assignee: *See*—
Stevenson, William A.

Hopkinson, Austin, London, England. Hoisting or haulage gear. 2,634,096, Apr. 7.

Hopkinson, Lawrence T.: *See*—
Crowther, Harold E., and Hopkinson.

Hopmann, Arthur E., Maplewood, Mo. Dual lever pry type lid lifter. 2,651,226, Sept. 8.

Hopp, Philip, New York, N. Y. Locking device. 2,634,038, Apr. 14.

Hopp, Robert E., Poughkeepsie, N. Y. Vapor-heated suit. 2,652,824, Sept. 22.

Hoppe, Adolph F., Cedar Falls, Iowa. Gate opening and closing means. 2,661,555, Dec. 8.

Hoppens, Harold A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Polymerization in the presence of organic hydroperoxide and metal salt drier. 2,642,410, June 16.

Hoppenstand Brake Corporation, assignee: *See*—
Hoppenstand, David.

Hoppenstand, David, Greenville, Pa., assignor to Hoppenstand Brake Corporation. Brake structure. 2,640,565, June 2.

Hopper, Dwight L., Jacksonville, Ill., and H. E. Criner, Pittsburgh, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission. Mist filter. 2,630,878, Mar. 10.

Hopper, Harold, Denver, Colo. Spray nozzle. 2,657,953, Nov. 3.

Hoppes, Lloyd G., Raton, N. Mex. Fertilizer machine. 2,631,760, Mar. 17.

Hopson, Joseph W., Miami, Fla. Selective backup control means for tractor-trailer undercarriage. 2,662,781, Dec. 15.

Hopwood, John A., Westfield, assignor to Monitor Process Corporation, Jersey City, N. J. Remodeling milk cans. 2,647,302, Aug. 4.

Hopwood, John A., Westfield, assignor to Monitor Process Corporation, Jersey City, N. J. Valve operating mechanism. 2,647,532, Aug. 4.

Hora, Josef, deceased, late of Melide, Switzerland, by W. Trautwein, administrator, Burg, Post Kirchzarten, Breisgau, Germany, assignor to Gerber and Hora, Melide, Switzerland. Slide fastener. 2,637,886, May 12.

Horan, John J., Detroit, Mich. Liquid infant food in marketable dispensers. 2,628,908, Feb. 17.

Horan, John J., Detroit, Mich. Packaging for liquid infant food. 2,628,909, Feb. 17.

Horan, John J., Detroit, Mich. Methods and devices for merchandising and dispensing liquid infant food. 2,628,910, Feb. 17.

Horan, John J., Detroit, Mich. Methods and devices for merchandising and directly dispensing liquid infant food. 2,628,911, Feb. 17.

Horan, John J., Detroit, Mich. Devices for packaging liquid infant food. 2,628,912, Feb. 17.

Horan, John J., Detroit, Mich. Liquid infant food dispensers and packaging therefor. 2,628,913, Feb. 17.

Horan, John J., Willow Grove, Pa. Nursing device. 2,628,906, Feb. 17.

Horan, Ralph P., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Belt tensioner. 2,663,195, Dec. 22.

Hord, Joseph B., Marion, N. C. Device for flushing drainpipes. 2,638,126, May 12.

Hord, Paul E., Tebbetts, Mo. Ventilating and air circulating device. 2,650,535, Sept. 1.

Horeczy, Joseph T.: *See*—
Wadley, Edward F., and Horeczy.

Horelick, Samuel, Pittsburgh, Pa., assignor, by mesne assignments, to McGraw Electric Company. Making and staying electrical transformer windings. 2,654,142, Oct. 6.

Horger, Oscar J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway car axle bearing. 2,648,576, Aug. 11.

Horil, Ferdinand J., Jr., New Orleans, La. Partition structure. 2,663,054, Dec. 22.

Horinka, Stephen G., Beaver Falls, Pa. Axle retriever. 2,631,884, Mar. 17.

Horix Manufacturing Company, assignee: *See*—
Bulcao, Wilbur H.

Horizons Incorporated, assignee: *See*—
Taylor, Abraham.

Horn, Albert B., Jr.: *See*—
Governale, Luke J., Horn, and O'Connell.

Horn, Arthur P., Tampa, Fla. Manual power screw propelled lifeboat. 2,661,712, Dec. 8.

Horn, Charles H., Sunland, and S. H. Smith, Burbank, Calif. Emergency shutoff valve. 2,645,239, July 14.

Horn, Edward N., New York, N. Y., and J. Samko, Jr., Newark, N. J., assignors to Sun Chemical Corporation, Long Island City, N. Y. Nonglare coating composition. 2,651,583, Sept. 8.

Horn & Hardart Company of New York, assignee: *See*—
Smith, John D.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Stamped metal vehicle wheel. 2,625,438, Jan. 13.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,625,439, Jan. 13.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel cover. 2,631,066, Mar. 10.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,631,894, Mar. 17.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Machine for tapering sheet metal blanks. 2,647,422, Aug. 4.

Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Machine for rolling tapered disks. 2,647,423, Aug. 4.

Horn, Henry J., U. S. Navy, and C. M. Russell, Washington, D. C. Wave form converter. 2,642,525, June 16.

Horn, John C., Alexandria, and R. W. Wilson, assignors to Wald Industries, Inc., Huntingdon, Pa. Transport trailer. 2,661,108, Dec. 1.

Horn, Joseph G., Drexel Hill, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system having a manual transfer valve. 2,638,117, May 12.

Horn, Merl E.: *See*—
MacNeill, John B., Stuellein, and Horn.

Horn, Robert B., and J. K. Bauer, Winchester, Ind. Combined hitch and platform unit for tractors. 2,624,595, Jan. 6.

Hornack, John, Parma, Ohio. Portable tool. 2,643,088, June 23.

Hornberger, Clarence L., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Device for controlling movement of a member on a conveyer. 2,624,440, Jan. 6.

Hornberger, Clarence L., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Web accumulator. 2,631,847, Mar. 17.

Hornberger, Clarence L., Manheim Township, Lancaster County, and A. Schulz, assignors to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for forming threaded articles. 2,664,136, Dec. 29.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Fluid pressure sealed garter strap for cylinder molds. 2,626,543, Jan. 27.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Air-operated felt guide. 2,635,475, Apr. 21.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Diaphragm control for press roll assemblies. 2,638,819, May 19.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Antideflection roll. 2,648,122, Aug. 11.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Suction roll seal assembly. 2,649,719, Aug. 25.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Thermoplastic film-forming machine. 2,651,076, Sept. 8.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Antideflection roll assembly. 2,651,103, Sept. 8.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drier drum. 2,651,114, Sept. 8.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Antideflection roll, assembly, and use. 2,651,241, Sept. 8.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Paper machine. 2,653,522, Sept. 29.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Reverse suction press assembly. 2,653,523, Sept. 29.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Winder machine. 2,654,546, Oct. 6.

Hornbostel, Lloyd, and E. D. Beachler, assignors to Beloit Iron Works, Beloit, Wis. Stock inlet. 2,664,033, Dec. 29.

Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catasauqua, Pa. Pneumatic unloader. 2,629,637, Feb. 24.

Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catasauqua, Pa. Pneumatic unloader. 2,647,802, Aug. 4.

Horne, Charles F., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Static resistant electric initiator. 2,658,451, Nov. 10.

Horne, Donald S., and J. W. MacDonald, Brantford, Ontario, Canada, assignors to Cockshutt Farm Equipment Limited. Variable speed transmission. 2,660,069, Nov. 24.

Horne, Emerson, Palisades Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Winding arrangement for variable transformers. 2,660,681, Nov. 24.

Horne, Joseph W., and P. R. Tisot, Laramie, Wyo., assignors to the United States of America as represented by the Secretary of the Interior. Recovery of waxes from shale oil. 2,642,380, June 16.

Horne, Leonard K., Rome, Ga. Tape cleaner for cotton spinning machines. 2,627,715, Feb. 10.

Horne, Richard C., M. E. Roth, and F. N. Dickerman, Dallas, Tex., assignors to United Aircraft Corporation, East Hartford, Conn. Aerial camera mount and control means therefor. 2,630,983, Mar. 10.

Horne, Richard C., Dallas, and D. F. Stoddard, Arlington, Tex., assignors to United Aircraft Corporation, East Hartford, Conn. Cockpit sealing system. 2,638,292, May 12.

Horne, Robert J., Jenkintown, Pa. Fluid heater. 2,651,294, Sept. 8.

Horne, William A.: *See*—
Montgomery, Charles W., and Horne.

Horne, William A., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Hydrodesulfurization process. 2,647,857, Aug. 4.

Horne, William A., and V. L. Crawford, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydrocarbon synthesis process. 2,632,016, Mar. 17.

Horne, William O., Pasadena, Calif. Pot-type oil burner. 2,646,110, July 21.

Horneman, Herman C., Danville, R. V. Hussong, Urbana, S. N. Quam, Danville, Ill., and B. W. Hammer, Sarasota, Fla., assignors to Cherry-Burrell Corporation, Chicago, Ill. Dairy system. 2,630,060, Mar. 3.

Horneman, Herman C., Danville, R. V. Hussong, Urbana, S. N. Quam, Danville, Ill., and B. W. Hammer, Sarasota, Fla., assignors to Cherry-Burrell Corporation, Chicago, Ill. Butter. 2,630,388, Mar. 3.

Horner, Albert, Kapaa, assignor to Hawaiian Canneries Company, Limited, Kapaa, Kauai County, Hawaii. Means of sorting objects by their weight. 2,649,201, Aug. 18.

Horner, Albert, and P. E. Story, Kapaa, Kauai, assignors to Hawaiian Canneries Company, Limited, Kapaa, Hawaii. Mechanical weight classifier. 2,642,184, June 16.

Horner, Edgar E., assignee: *See*—
Horner, Jack E.

Horner, Harold R., assignor to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Defluidization and fixed-bed coking of a preheated fluidized coal. 2,658,862, Nov. 10.

Horner, Jack E., Bellevue, assignor to E. E. Horner, Pittsburgh, Pa. Dispensing valve. 2,634,753, Apr. 14.

Hornfeck, Anthony J.: *See*—
English, James F., Jr., and Hornfeck.
Rutherford, Victor S., Hornfeck, and Dickey.

Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Thermostatic control system using potentiometers. 2,632,599, Mar. 24.

Hornfeck, Anthony J., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Electron control system responsive to changes in a variable. 2,632,846, Mar. 24.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor ot Bailey Meter Company. Temperature measuring apparatus. 2,645,126, July 14.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Electric motor control system responsive to fluid pressure signal. 2,651,011, Sept. 1.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Antihunt electrical measuring system. 2,652,524, Sept. 15.

Hornfeck, Anthony J., South Euclid, Ohio, assignor to Bailey Meter Company. Measuring system. 2,636,151, Apr. 21.

Hornick, Hugo, Chicago, Ill. Parking garage. 2,631,743, Mar. 17.

Horning, Oliver P., and S. V. Pultorak, Chicago, Ill. Film strip guiding structure in projectors. 2,635,503, Apr. 21.

Horns, Winfield F., Kankakee, Ill. Automatic film advancer for roll film cameras and brake and release means therefor. 2,656,128, Oct. 20.

Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Sealing means. 2,635,902, Apr. 21.

Hornstein, Irwin: *See*—
Walter, George E., Hornstein, and Sheld.
Horowitz, Alexandre, Eindhoven, Netherlands. Supporting construction for building layers. 2,640,570, June 2.
Horowitz, Jack, Brooklyn, N. Y. Belt. 2,659,895, Nov. 24.
Horowitz, Ruth G., assignee: *See*—
Chuy, Nicholas.
Horrell, Earl J., Denver, Colo. Water temperature control valve. 2,629,400, Feb. 24.
Horrell, Maurice W., Detroit, Mich., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Stabilized pulse circuit. 2,632,103, Mar. 17.
Horrocks, Theodore: *See*—
Mackenzie, John F., and Horrocks.
Horsey, Eleanor F., Wilmington, and W. D. Thompson, Hockessin, assignors to Hercules Powder Company, Wilmington, Del. Butadiene-styrene sized paper and method. 2,650,163, Aug. 25.
Horsley, Caperton B., Westwood, and G. C. Seavey, Arlington, assignors to Sonic Research Corporation, Boston, Mass. Means for treating materials with intense alternating shear forces. 2,661,192, Dec. 1.
Horsley, Margaret T., assignor of one-half to J. Woerner, Houston, Tex. Everting device. 2,626,090, Jan. 20.
Horst, E. Clemens, Company, assignee: *See*—
Horst, Emil C., Jr.
Miller, George E.
Horst, Emil C., Jr., assignor to E. Clemens Horst Company, San Francisco, Calif. Hop picking machine. 2,645,893, July 21.
Horst, Roy A., Syracuse, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Mercury cathode electrolytic cell. 2,631,126, Mar. 10.
Horste, Joseph E., Belleville, Mich. Resilient universal mounting for tractor mowers. 2,647,354, Aug. 4.
Horstmann, Frederick O. and R. B., Bath, England. Time switch. 2,636,559, Apr. 28.
Horstmann, Ronald B.: *See*—
Horstmann, Frederick O. and R. B.
Horth, Walter, Wilmette, assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Variable pressure muller. 2,630,975, Mar. 10.
Hortman, Harvey E., Jr.: *See*—
Wagner, Robert J., and Hortman.
Hortman, Harvey E., Jr., Southampton, assignor to Proctor Electric Company, Philadelphia, Pa. Ironing table. 2,662,319, Dec. 15.
Hortman, Harvey E., Jr., Southampton, assignor to Protector Electric Company, Philadelphia, Pa. Ironing table top and making the same. 2,663,957, Dec. 29.
Horton, Edgar, Braintree, assignor to Raytheon Manufacturing Company, Newton, Mass. Stylus holder. 2,627,448, Feb. 3.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Valve device for joint control of windshield cleaners and washers. 2,632,471, Mar. 24.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner system. 2,651,801, Sept. 15.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper blade. 2,659,923, Nov. 24.
Horton, Joseph W., Ipswich, and R. A. Wagner, Worcester, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Orientation mechanism. 2,644,244, July 7.
Horton, Paul M., and A. G. Keller, assignors to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. Separating sugar juice, pith, and fiber from stalks. 2,650,176, Aug. 25.
Horton, Roger F., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Radial piston rotary pump. 2,653,542, Sept. 29.
Horvath, Alexander, Clifton, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Coaxial line resonator electron discharge device arrangement. 2,662,937, Dec. 15.
Horvath, Anthony G., Dayton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,624,268, Jan. 6.
Horvath, Artemy A., Princeton, N. J. Treating birds and feathers. 2,624,685, Jan. 6.
Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Cleaning and extracting apparatus. 2,651,190, Sept. 8.
Horvath, Joseph P.: *See*—
Postel, Kenneth I., and Horvath.
Horvay, Julius B., Erie, Pa., assignor to General Electric Company. Magnetic latch. 2,662,787, Dec. 15.
Horvitz, Gerald J., Woodmere, assignor of one-half to G. B. Jack, Jr., New York, N. Y. Iron-containing base coated with nickel-phosphorus alloy. 2,633,631, Apr. 7.
Horwitz, Saul, Jersey City, N. J. Preheater-type heat exchanger. 2,658,729, Nov. 10.
Horydczak, Theodor, Washington, D. C. Portable camera support. 2,638,041, May 12.
Hörz, Emil: *See*—
Schnürle, Adolf, Kopf, Elwert, and Hörz.
Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Header supported wall for boilers. 2,649,846, Aug. 25.
Hosbein, Louis H., Glencoe, Ill., and L. Ellman, Pittsburgh, Pa., assignors to M. H. Detrick Company, Chicago, Ill. Sectionally supported furnace wall. 2,660,050, Nov. 24.
Hosemaster Machine Company Limited, assignee: *See*—
Wickardt, Kurt W.
Hosford, Harry W., Jr., Shaker Heights, Ohio. Wire tracer. 2,641,633, June 9.
Hosking, Oakley W., Monroe, N. Y. Rubber tire valve. 2,652,067, Sept. 15.
Hosking, Thomas W., assignor to Briggs Manufacturing Co., Detroit, Mich. Trim fastening device. 2,640,722, June 2.
Hoskins, Elvin E., Flint, Mich. Liquid level gauge. 2,653,477, Sept. 29.
Hosler, Merril E.: *See*—
Duley, Roscoe A., and Hosler.
Hosmer, Chester C.: *See*—
Launder, Ernie L., and Hosmer.
Hosmer, Harry M., Mill Valley, Calif. Dispenser for viscous material. 2,634,024, Apr. 7.
Hosmer, Horace W., and H. E. Chamberlain, Belmont, Calif. Additive proportioner for fluid lines. 2,628,129, Feb. 10.
Hossfeld Manufacturing Company, assignee: *See*—
Mann, William H., and Schmidt.
Hostetler, Gerald W., Dearborn, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. Electrical indicating means. 2,648,059, Aug. 4.
Hostetler, Harry B.: *See*—
Whiteley, Robert L., and Hostetler.
Hostetter, Morgan D., El Monte, Calif. Digger tooth construction. 2,635,366, Apr. 21.
Hotchkiss, Allen G., Schenectady, N. Y., assignor to General Electric Company. Apparatus and method for producing a gas atmosphere. 2,631,135, Mar. 10.
Hotchkiss, Clifford, and J. A. Deubel, assignors to Perfex Corporation, Milwaukee, Wis. Air volume control system and apparatus. 2,659,535, Nov. 17.
Hotchkiss, Sidney E., Pontiac, Mich., assignor to The Timken Roller Bearing Company, Canton, Ohio. Spacer gauge for adjustable roller bearings. 2,627,120, Feb. 3.
Hotchner, Fred, Los Angeles, Calif. Display projector. 2,639,918, May 26.
Hoth, Daniel F., Millburn, N. J., and R. O. Soffel, Hastings on Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic multichannel selection. 2,641,757, June 9.
Hoth, Daniel F., Millburn, N. J., and R. O. Soffel, Hastings-on-Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic multichannel selection. 2,657,266, Oct. 27.
Hotpoint Inc., assignee: *See*—
Illian, Douglas F.
Hotstream Heater Company, The, assignee: *See*—
Morrow, Clarence H.
Hott, Ion V. K., and W. L. Siminton, assignors to The Joyce-Cridland Company, Dayton, Ohio. Loading dock. 2,643,010, June 23.
Hott, Ion V. K., and K. E. Berk, assignors to The Joyce-Cridland Company, Dayton, Ohio. Door control for the rear lifting mechanism of two post lifts. 2,655,224, Oct. 13.
Hotten, Bruce W., Orinda, assignor to California Research Corporation, San Francisco, Calif. Polysiloxane-aluminum soap greases. 2,654,710, Oct. 6.
Hottenroth, Frederick W., Goshen, Ind., assignor to Penn Controls, Inc. Vacuum switch. 2,653,629, Sept. 29.
Hotton, Francis B., Salisbury, Md. Hydraulic control valve. 2,626,630, Jan. 27.
Hotton, Francis B., Salisbury, Md., and L. A. Medlar, Orland, Pa. Hydraulic control valve. 2,626,631, Jan. 27.
Houchin, Frank M., assignor of one-half to W. C. Lauth, Miami, Fla. Means for flushing outboard motors. 2,644,474, July 7.
Houck, Hooper J., and R. M. Morgan, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Drilling and tanging machine. 2,661,523, Dec. 8.
Houdaille-Hershey Corporation, assignee: *See*—
Boehm, Charles H.
Dall, Edward D.
De Lancey, Warren H.
De Lancey, Warren H., and Vincent.
Hufferd, George H.
Hufferd, George H., and O'Connor.
Magrum, Gervase M.
O'Connor, Bernard E.
O'Connor, Bernard E., and Fuente.
O'Connor, Bernard E., and King.
Pierce, William J.
Powell, Burnet J.
Sandberg, Ray A.
Sebok, Frank.
Sebok, Joseph B.
Sebok, Joseph B. and F.
Strauss, John N.
Zimmerman, Adam.
Houdek, Joseph F., Jr., Elmhurst, Ill., assignor, by mesne asignments, to Kellogg Switchboard and Supply Company. Subassembly for telephone sets. 2,635,130, Apr. 14.
Houdesheldt, Luther, assignor of one-half to C. C. Arnold, Garden Grove, Iowa. Self-adjusting pipe wrench. 2,636,412, Apr. 28.

Houdry, Eugene J., Ardmore, Pa. Generating power involving catalytic oxidation. 2,624,172, Jan. 6.
Houdry, Eugene J., Ardmore, Pa. Generating power involving catalytic oxidation. 2,632,296, Mar. 24.
Houdry, Eugene J., Ardmore, Pa. Catalytically cracking hydrocarbons. 2,634,232, Apr. 7.
Houdry, Eugene J., Ardmore, Pa. Preparation of a multilayer catalyst. 2,643,980, June 30.
Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Method of and apparatus for converting hydrocarbons. 2,646,391, July 21.
Houdry, Eugene J., Ardmore, Pa. Internal-combustion engine. 2,656,830, Oct. 27.
Houdry, Eugene J., Ardmore, Pa. Catalytic apparatus and method for treating exhaust gases. 2,664,340, Dec. 29.
Houdry Process Corporation, assignee: *See*—
Ardern, David B.
Barker, John W.
Bland, Rophie E.
Bond, George R., Jr.
Dart, Jack C.
Evans, James E.
Faragher, Warren F.
Hoge, Albert W.
Houdry, Eugene J.
Ivey, Edwin H., Jr., and Delaplaine.
Kirkbride, Chalmer G., and Dart.
Kollgaard, Reyner.
Lassiat, Raymond C., and Savage.
Lassiat, Raymond C., and Shirk.
Milliken, Thomas H., Jr.
Mills, George A.
Oblad, Alex G., and Mills.
Savage, Reuben T.
Savage, Reuben T., and Dart.
Savage, Reuben T., and Ivey.
Shabaker, Hubert A.
Shirk, Robert M.
Strader, Leroy F.
Weinrich, William W.
Hough, George H.: *See*—
Hartley, George C., Bray, and Hough.
Hough, George H., and L. C. Baker, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electron discharge glow control electrode. 2,627,045, Jan. 27.
Hough, George H., and D. S. Ridler, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,627,054, Jan. 27.
Hough, George H., and T. M. Jackson, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric discharge device. 2,631,261, Mar. 10.
Hough, George H., and T. M. Jackson, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric discharge tube. 2,654,044, Sept. 29.
Hougham, Paul C., Visalia, Calif. Pattern controlled duplicating machine. 2,633,881, Apr. 7.
Houghland, Glen S., Larchmont, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Liquid seal drum. 2,636,507, Apr. 28.
Houghton, Carl R., Connersville, Ind., assignor, by mesne assignments, to Dresser Industries, Inc. Drive for fluid handling devices of the rotary, positive displacement type. 2,640,428, June 2.
Houghton, Dale B.: *See*—
Houghton, Dale B., Jr., and D. B. Houghton.
Houghton, Dale B., Jr., Frankfort, and D. B. Houghton, Beulah, Mich. Bridging. 2,658,241, Nov. 10.
Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for measuring phase and gain. 2,625,589, Jan. 13.
Houghton, Lyle S., St. Louis County, assignor to Alco Valve Company, University City, Mo. Liquid dispensing solenoid valve. 2,634,757, Apr. 14.
Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency divider. 2,648,767, Aug. 11.
Houk, Frances R., administrator: *See*—
Sullivan, Mary R., and Houk.
Houk, George W.: *See*—
Sullivan, Mary R., and Houk.
Houk, Mansel E.: *See*—
Demmon, Harvey, and Houk.
Houlden, Basil: *See*—
Heaps, John M., and Houlden.
Houldsworth, Wallace M., Royal Oak, Mich. Automatic dispenser for collapsible tubes. 2,638,250, May 12.
Houldsworth, Wallace M., Royal Oak, Mich. Hydraulic dispenser for collapsible tube containers. 2,638,251, May 12.
Houlis, Louis D., assignee: *See*—
Hurley, Leonard A., and Lucas.
Houlis, Louis D., Dallas, Tex. Door operating mechanism for bakers' ovens. 2,628,832, Feb. 17.
Houplain, René B., Paris, France. Self-locking device. 2,633,213, Mar. 31.
Houpt, Alfred G.: *See*—
Christmann, Ludwig J., and Houpt.
Housam, Ernest C.: *See*—
Haresnape, John N., and Housam.
House, Bryan E., Ashtabula, Ohio, assignor to Bendi Aviation Corporation, South Bend, Ind. Brake assembly. 2,657,767, Nov. 3.
House, Bryan E., assignor to Bendix Aviation Corpor tion, South Bend, Ind. Brake. 2,637,417, May 5.
House, Bryan E., assignor to Bendix Aviation Corpor tion, South Bend, Ind. Brake. 2,642,159, June 16.
House, Bryan E., assignor to Bendix Aviation Corpor tion, South Bend, Ind. Brake adjuster. 2,654,44 Oct. 6.
House, Frank R.: *See*—
Bentley, George P., and House.
House of Photography, Inc., assignee: *See*—
Abbott, Berenice.
House of Timmons Inc., The, assignee: *See*—
Timmons, George A.
House, R. L., assignee: *See*—
Winn, Welton B.
House, Samuel G., and O. K. Hobbs, assignors to J. Nevins, A. M. Glenn, and C. G. Teague, Abilene, Tex as trustees. Dual rotor compressor. 2,655,309, Oct. 1
Housel, William E., assignor to Aluminum Products, Inc Fort Lauderdale, Fla. Folding seat. 2,649,140, Au 18.
Houseman, George A.: *See*—
Young, Don H., and Houseman.
Houseman, Henry M.: *See*—
Samsky, Abraham, and Houseman.
Houseman & Thompson Limited, assignee: *See*—
Hollingbery, William B.
Houser, Abbott F.: *See*—
Myers, Harold C., Pukkila, Houser, and King.
Houser, Wallace W., Sr.: *See*—
Endicott, Charles O., and Houser.
Houseworth, Clayton B.: *See*—
Lichty, Paul E., and Houseworth.
Housh, C. N., assignee: *See*—
Robishaw, Alces P.
Houston, Fred K., Monrovia, assignor of one-third to O. Eisenhood and one-third to S. J. Eisenhood, Los Angele Calif. Apparatus for clamping flexible material on cy inders. 2,631,349, Mar. 17.
Houston, Gaines N., Houston, Tex., assignor, by mes assignments, to Mathieson Chemical Corporation, Ne York, N. Y. Burning sulfur. 2,637,630, May 5.
Houston, John W., Grinnell, Iowa. Hole digge 2,645,457, July 14.
Houston, Junius W., Kansas City, Kans. Pumping devic 2,641,283, June 9.
Houston Oil Field Material Company, Inc., assigne *See*—
Reynolds, Elmer S.
Storm, Lynn W.
Houston, Wesley M.: *See*—
Duke, James B., and Houston.
Houston, William L., Jr., and M. F. Rawlings, Phillip Tex., assignors to Phillips Petroleum Company. Eme gency valve. 2,637,333, May 5.
Houtgraaf, Hendrikus J.: *See*—
Kleijn, Adrianus, and Houtgraaf.
Houth, George: *See*—
La Pinna, Fred G., and Houth.
Houtte, Ralph J., North Andover, and R. E. Schwarze berg, Methuen, Mass. Band saw and guide theref 2,627,881, Feb. 10.
Hove, Leland H., E. J. Hankes, and M. M. Perry, assigno to Hove Spark-O-Liner Corporation, Minneapolis, Min Filter. 2,647,635, Aug. 4.
Hove Spark-O-Liner Corporation, assignee: *See*—
Hove, Leland H., Hankes, and Perry.
Hoven, Alfred C., assignor to American Seating Compan Grand Rapids, Mich. Desk top cover. 2,634,190, Apr.
Hovers, Metheus A., Tilburg, Netherlands. Conveyer be provided with elevator scoops. 2,624,446, Jan. 6.
Hovey, Preston W., Berkeley, Calif. Disk bra 2,646,135, July 21.
Hoving, Hindrik J., assignee: *See*—
Bogaards, Jacob N.
Hovland, Abraham N., Roa, near Oslo, Norway. Pa chute having an inflatable opening means. 2,656,9 Oct. 27.
Howald, Arthur M., assignor to Libbey-Owens-Ford Gl Company, Toledo, Ohio. Preparation of polymeriz polyester resin materials of improved strength and wa resistance. 2,632,744, Mar. 24.
Howard, Alan, Schenectady, N. Y., assignor to Gene Electric Company. Overhung turbo-machine rotor rangement. 2,664,268, Dec. 29.
Howard, Alan, and C. J. Walker, Schenectady, N. assignors to General Electric Company. Gas turbi nozzle structure. 2,625,013, Jan. 13.
Howard, Alan, and B. O. Buckland, Schenectady, N. assignors to General Electric Company. Supporti arrangement for self-contained gas turbine power pla having integral frames. 2,632,997, Mar. 31.
Howard, Alan, B. O., Buckland, and C. S. Rice, Schen tady, N. Y., assignors to General Electric Compar Turbomachine stator casing. 2,650,753, Sept. 1.
Howard, Alfred S., Shaker Heights, and W. Selesni Cleveland Heights, Ohio. Syringe with vernier adju ment. 2,626,087, Jan. 20.

Howard, Arthur C., East Horndon, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England. Drive for forging furnaces. 2,625,385, Jan. 13.

Howard, Arthur C., East Horndon, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England. Earth working tool for the rotor or rotary cultivating machines. 2,663,241, Dec. 22.

Howard, Arthur C., Upminster, assignor of one-half to Rotary Hoes Limited, East Horndon, Essex, England. Handle structure for power-driven vehicles. 2,624,905, Jan. 13.

Howard, Ben O., Los Angeles, Calif. Stabilizing tab. 2,656,132, Oct. 20.

Howard and Bullough Limited, assignee: *See*—
Haythornthwaite, James J.

Howard, Clarence B., Oakland, Calif. Electrotherapeutic oscillator. 2,656,839, Oct. 27.

Howard, Clifford M., Fontana, Calif. Longitudinally striking oil well jar. 2,634,102, Apr. 7.

Howard, Donald A., Worcester, and W. N. Matson, Fitchburg, Mass. Tensioning device for cables, wires, etc. 2,638,648, May 19.

Howard, Donald A., Worcester, and W. N. Matson, Fitchburg, Mass. Wheel block and chock. 2,639,008, May 19.

Howard, Dudley B.: *See*—
Mellinger, Edward R. and R. E., and Howard.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photopolymerization process. 2,661,331, Dec. 1.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Haloalkyl substituted cycloheptatrien-1-ol-2-one ring compounds and their preparation. 2,662,098, Dec. 8.

Howard, Forbes, Grosse Pointe Farms, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lamp socket provided with means to secure it to an apertured panel. 2,664,550, Dec. 29.

Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner furniture guard. 2,648,090, Aug. 11.

Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner, including a bottom closure member. 2,657,417, Nov. 3.

Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner brush mounting. 2,657,418, Nov. 3.

Howard, Fred A.: *See*—
Krouse, Lee M., Nourse, Katzmann, and Howard.

Howard, George G.: *See*—
Spender, Donald L., and Howard.

Howard, Graham W., Fort Collins, Colo. Crossrow plant blocking machine. 2,627,216, Feb. 3.

Howard, Graham W., Fort Collins, Colo. Agricultural apparatus for blocking row crops and the like. 2,663,238, Dec. 22.

Howard, Hartley W., Hastings on Hudson, N. Y., and J. F. Muller, Princeton, N. J., assignors to The Borden Company. Infant food. 2,659,676, Nov. 17.

Howard, Henderson H.: *See*—
Graham, Shirly L., and Howard.

Howard, Henry F., assignor of one-fourth to A. W. Vibber, and five per cent to J. Gemmink, Paterson, N. J. Clothes scale for washing machines. 2,631,839, Mar. 17.

Howard, Henry F., assignor of one-fourth to A. W. Vibber, and five percent to J. Gemmink, Paterson, N. J. Clothes scale for washing machines. 2,658,745, Nov. 10.

Howard, James Y., Greece, assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,662,971, Dec. 15.

Howard, John C., Weybridge, England, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Electric Induction heating apparatus. 2,652,478, Sept. 15.

Howard, John G.: *See*—
Rockwell, Philip S., and Howard.

Howard, John G., and P. S. Rockwell, assignors to The Pyle-National Company, Chicago, Ill. Explosion proof plug and socket. 2,626,974, Jan. 27.

Howard, Kenneth C., assignor to Richardson & Bass, Fort Worth, Tex. Offshore drilling platform. 2,637,172, May 5.

Howard, Kenneth C., Forth Worth, Tex., and H. E. McGowen, Jr., and H. H. Moore, Jr., Bunkie, La., assignors to Sid W. Richardson Inc., Fort Worth, Tex. Means for installing and removing flow valves. 2,664,162, Dec. 29.

Howard, Lewis, assignee: *See*—
Chafins, Ishmael.

Howard Manufacturing Co., assignee: *See*—
Howard, Paul N.

Howard, Paul J., Bakersfield, Calif. Prewarming device for film slides. 2,627,017, Jan. 27.

Howard, Paul N., assignor to Howard Manufacturing Co., Kent, Wash. Resilient slat-seat chair. 2,664,149, Dec. 29.

Howard, Paul W., assignee: *See*—
Ott, Walter A.

Howard, Robert A., Tulsa, Okla., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Device for measuring radio-frequency power. 2,624,803, Jan. 6.

Howard, Roscoe D., and R. E. Samuelson, assignors to Beech Aircraft Corporation, Wichita, Kans. Aluminum etch. 2,637,634, May 5.

Howard, Stanley G., Sutton Coldfield, England. Carrier or driving means for workpieces in lathes and the like. 2,643,572, June 30.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Web feeding means for container forming apparatus. 2,636,731, Apr. 28.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Web feeding method and means for container forming apparatus. 2,636,732, Apr. 28.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container forming and filling machine. 2,651,897, Sept. 15.

Howard, Thomas P.: *See*—
Knobel, Max, and Howard.

Howard, Virginia P., Alice, Tex. Folding picture frame. 2,660,825, Dec. 1.

Howard, Walter B.: *See*—
St. Petery, Louis B., Howard, and Fischer.

Howarth, Walter J., Trenton, N. J., assignor to Radio Corporation of America. Saw-tooth wave generator. 2,627,576, Feb. 3.

Howatt, Glenn N., assignor to Gulton Mfg. Corp., Metuchen, N. J. Transducer. 2,625,663, Jan. 13.

Howatt, Glenn N., Metuchen, N. J., assignor to Gulton Mfg. Corp. Bimorph element. 2,633,543, Mar. 31.

Howatt, Glenn N., assignor to Gulton Manufacturing Corporation, Metuchen, N. J. Ceramic transducer element. 2,640,165, May 26.

Howden, Peter, assignor of one-half to Ernest Newell & Company Limited, Misterton, via Doncaster, England. Kiln. 2,650,814, Sept. 1.

Howe, Eugene E., Bound Brook, assignor to Merck & Co., Inc., Rahway, N. J. Parenteral amino and solution. 2,662,046, Dec. 8.

Howe, Eugene E., Bound Brook, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Salts of d-amidone with an optically active acid and resolving di-amidone. 2,644,010, June 30.

Howe, Henry: *See*—
Ingram, George, Jr., and Howe.

Howe, Herbert B., Chatham, N. J. Closure assembly for containers. 2,661,862, Dec. 8.

Howe, Herbert B., Chatham, N. J. Closure for containers. 2,661,863, Dec. 8.

Howe, James W., Jr.: *See*—
Gunter, Coley W., and Howe.

Howe, John F.: *See*—
Crouch, Willie W., and Howe.

Howe, John F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Coating articles with an olefin-sulfur dioxide resin. 2,637,664, May 5.

Howe, John F., and J. E. Wicklatz, Bartlesville, Okla., assignors to Phillips Petroleum Company. Imides as stabilizers for polysulfone resins. 2,643,237, June 23.

Howe, John P., A. B. Greninger, and R. F. Plott, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Leakage testing method. 2,633,740, Apr. 7.

Howe, John R., Denver, Colo. Adjustable grain elevator. 2,630,905, Mar. 10.

Howe, Orville A., South Affton, Mo. Flashing for corrugated buildings. 2,641,340, June 9.

Howe, Ralph F., and F. A. L. Holloway, Baton Rouge, La., assignors to Standard Oil Development Company. Starting low-temperature isoolefin polymerization after solvent-cleaning the reactor. 2,636,025, Apr. 21.

Howe, Robert E.: *See*—
Watson, Kenneth M., Howe, and Smith.

Howe, Robert E., Carbon County, Wyo., and W. S. Gullette, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Catalytic cracking apparatus. 2,631,928, Mar. 17.

Howe Scale Company, The, assignee: *See*—
Hadley, Harlan A.
Singleton, Lester D.

Howe Twister Corporation, assignee: *See*—
Bogdanffy, George W., Mitchell, and Uhlig.
Uhlig, Henry C.

Howe, Wilfred H., and R. W. Cushman, Sharon, assignors to The Foxboro Company, Foxboro, Mass. Electrical measuring apparatus, including a condition responsive impedance. 2,630,007, Mar. 3.

Howe, Wilfred H., and R. W. Cushman, Sharon, assignors to The Foxboro Company, Foxboro, Mass. Electrical measuring apparatus, including a condition responsive impedance. 2,630,008, Mar. 3.

Howell, Albert R., Los Angeles, and O. W. Tackett, San Gabriel, Calif. Pavement marker. 2,660,791, Dec. 1.

Howell, Alun R., Neath, Wales, assignor to Power Jets (Research and Development) Ltd., London, England. Turbocompressor power plant for aircraft. 2,658,700, Nov. 10.

Howell, Clarence G., Columbus, Ohio. Paint receptacle. 2,661,858, Dec. 8.

Howell, Edward N., Holmes, Pa. Sheave. 2,655,813, Oct. 20.

Howell, Everett C., Rialto, Calif. Internal pipe wrench. 2,657,605, Nov. 3.

Howell, Everett C., Riverside, Calif. Cutting tool. 2,637,529, May 5.

Howell, Harry H.: *See*—
Yarber, Gordon W., Howell, and Chase.

Howell, Herbert R., Summit, N. J. Motion check for cutting shears. 2,629,170, Feb. 24.

Howell, Hugh A., Berwyn, Ill., assignor to The Indiana Steel Products Company, Valparaiso, Ind. Magnetically recording and mechanism therefor. 2,647,954, Aug. 4.

Howell, Hugh A., Valparaiso, Ind., and E. B. Offutt, Kansas City, Mo., assignors to The Indiana Steel Products Company, Chicago, Ill. Magnetic recorder. 2,639,333, May 19.

Howell, John D., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. 2,656,793, Oct. 27.

Howell, John D., Westport, Conn. Prestressed spring. 2,626,799, Jan. 27.

Howell, Robert H.: *See*—
Meadows, James L., Howell, Startz, and Miller.

Howell, Roy E.: *See*—
Felck, Daniel E., and Howell.

Howell, Wallace E., Lexington, Mass., assignor to the United States of America as represented by the Secretary of the Air Force. Icing condition indicating means. 2,641,928, June 16.

Howell, William C. A., assignee: *See*—
Dales, John D.

Howells, Llewellyn W., Long Lake, Minn. Butcher's apron with spacing band. 2,629,102, Feb. 24.

Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Sign structure with hinged face. 2,626,473, Jan. 27.

Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Insulator socket assembly for fluorescent tubes. 2,626,976, Jan. 27.

Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Sign structure. 2,651,863, Sept. 15.

Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Sign construction. 2,651,864, Sept. 15.

Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Sign structure. 2,651,865, Sept. 15.

Howes, Leonard R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Roll assembly for continuous strip pickling tanks. 2,650,603, Sept. 1.

Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine sinker controlling means. 2,647,382, Aug. 4.

Howland, John R., Lake Forest, Ill., assignor to Zenith Radio Corporation. Subscriber receiver enunciator. 2,664,461, Dec. 29.

Howland, Louis H., Watertown, and V. S. Chambers, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Butadiene-vinylpyridene copolymer and carbon black composition. 2,640,042, May 26.

Howland, William R., Milton Junction, and I. D. Tefft, assignors to Vape-O-Plate Co., Janesville, Wis. Baffle member for combustion chambers. 2,650,555, Sept. 1.

Howle, Ernest O., and R. W. Jackson, Chicago, Ill., and N. M. Foster, New Castle, Ind., said Jackson and said Foster assignors to said Howle. Apparatus for treating and bagging perlite and the like. 2,659,521, Nov. 17.

Howlett, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Laminated magnetic core for fluorescent ballast systems. 2,630,478, Mar. 3.

Howlett, Edward J., Edgware, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Folding machine for laundry purposes. 2,650,821, Sept. 1.

Howlett, Edward J., Edgware, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Flatwork ironing machine. 2,652,644, Sept. 22.

Howling, Benjamin W. and M. C., Billings, Mont. Bird nest frame. 2,642,038, June 16.

Howling, Marie C.: *See*—
Howling, Benjamin W. and M. C.

Howse, Cecil B.: *See*—
Gifford, Charles E., and Howse.

Howse, Curtis L., Spartanburg, S. C., assignor to Continental Foundry & Machine Company, East Chicago, Ind. Soot blower control system. 2,640,217, June 2.

Howser, Julia M., administratrix: *See*—
Howser, Walter M.

Howser, Walter M., deceased, Indianapolis, Ind.; J. M. Howser, administratrix. Centrifugal pump drive and seal means. 2,625,883, Jan. 20.

Howser, Walter M., deceased, Indianapolis, Ind., J. M. Howser, administratrix of said W. M. Howser. Pressure sealed valve. 2,664,265, Dec. 29.

Hoxie, Ralph A., assignor to Continental Motors Corporation, Detroit, Mich. Air cooling for internal-combustion engines. 2,644,435, July 7.

Hoy, Frank H., Milwaukee, Wis. Meat mold stuffing device. 2,635,799, Apr. 21.

Hoy, John B.: *See*—
Tansey, Lawrence J., and Hoy.

Hoy, Leland E.: *See*—
La Beck, Aldan J., and Hoy.

Hoy, Robert J., North Hollywood, Calif. Step device for playground equipment. 2,643,809, June 30.

Hovaux, Max, Jamioulx, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Voltage doubler. 2,644,918, July 7.

Hoye, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Air circuit interrupter. 2,658,976, Nov. 10.

Hoye, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Electrical load break switch. 2,658,977, Nov. 10.

Hoyer, Theodore R., and V. Hildemann, Oshkosh, Wis. Motor vehicle invalid lift. 2,650,725, Sept. 1.

Hoyka, Marion J., West Des Moines, Iowa. Sound deadener for signaling devices. 2,643,634, June 30.

Hoyle, Albert C., and H. Knutson, assignors to Lake Shore Engineering Company, Iron Mountain, Mich. Winch. 2,652,230, Sept. 15.

Hoysak, Edward G.: *See*—
Moshier, Edson G., and Hoysak.

Hoyt, Clyde W.: *See*—
Vilkomerson, Benjamin S., and Hoyt.

Hoyt, Royal N.: *See*—
Rand, Howard B., and Hoyt.

Hoyt, Simes T., Honolulu, Hawaii, assignor to Castle & Cooke, Limited. Apparatus for treating molasses. 2,626,055, Jan. 20.

Hoyt, Simes T., Honolulu, Hawaii, assignor to Castle & Cooke, Limited. Centrifuging massecuite. 2,643,960, June 30.

Hoyt, William C., Sr., Aberdeen, Wash. Berry-picking machine. 2,635,750, Apr. 21.

Hrebenor, Andres, assignee: *See*—
Veschio, Anthony P.

Hruby, John O., Jr., assignor to Hydraulic Research and Manufacturing Company, Burbank, Calif. Relay. 2,644,118, June 30.

Hruby, John O., Jr., Glendale, Calif. Sprinkler head and nozzle. 2,639,191, May 19.

Hruby, Joseph: *See*—
Arndt, John P., Hruby, and Schulze.

Hruska, Joseph J., Milwaukee, Wis. Adjustable handle mounting for window-cleaning devices. 2,642,609, June 23.

Hryniszak, Waldemar: *See*—
Bowden, Andrew T., Hryniszak, and Kolb.
Bowden, Andrew T., Muller, Kolb, Hryniszak, and Zadnick.

Hu, Quang H., New York, N. Y. Medical apparatus. 2,646,042, July 21.

Hu, Quang H., and C. Y. Lee, New York, N. Y. Bottom margin control for typewriters. 2,654,460, Oct. 6.

Hubacker, Earl F., Muskegon, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Low side drier. 2,645,912, July 21.

Hubbard, Addison W., Elizabeth, and W. C. Smith, Westfield, N. J., assignors to Standard Oil Development Company. Bonding isoolefin-diolefin rubber to metal by an isoolefin-styrene-diolefin resin and a modified natural rubber tie ply. 2,631,953, Mar. 17.

Hubbard, Albert L., Compton, Calif. Height-adjustable table. 2,649,345, Aug. 18.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Temporary load switch. 2,637,795, May 5.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Dead-end strain carrier. 2,654,796, Oct. 6.

Hubbard, David C., and W. L. Hollander, assignors to A. B. Chance Company, Centralia, Mo. Fused drop-out cutout. 2,629,794, Feb. 24.

Hubbard, Findley E., and J. S. Metcalf, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Monocalcium phosphate leavening composition and producing same. 2,631,102, Mar. 10.

Hubbard, Findley E., and F. H. Wright, Jr., Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Stabilized sodium acid pyrophosphate of improved doughnut baking properties and producing same. 2,636,808, Apr. 28.

Hubbard, Frank H., Indianapolis, Ind. Dough laminating apparatus. 2,627,822, Feb. 10.

Hubbard, Frank H., assignor to Thomas L. Green & Company, Inc., Indianapolis, Ind. Mounting for pastry strip cutter wheels. 2,638,856, May 19.

Hubbard, Harold P., Encinitas, Calif. Tubular construction toy. 2,625,769, Jan. 20.

Hubbard, John S.: *See*—
Hubbard, Oscar S. and J. S.

Hubbard, Merle R., assignor to Collins Radio Company, Cedar Rapids, Iowa. High-frequency inductor. 2,629,081, Feb. 17.

Hubbard, Oscar S. and J. S., Farmland, Ind. Wrecking truck. 2,662,652, Dec. 15.

Hubbard, Robert L., assignee: *See*—
Cutler, Bertram S.

Hubbard, S. Eugene: *See*—
Craig, Adrian W., Sears, and Hubbard.

Hubbard Spool Company, assignee: *See*—
Rappleyea, Frederick A.
Tucker, George G., Jr.

Hubbell, Harvey, Long Hill, Conn. Leaf type micro switch. 2,657,288, Oct. 27.

Hubbell, Harvey, Incorporated, assignee: *See*—
Healy, Joseph F.

Hubbell, Jesse P.: *See*—
Francesconi, James C., and Hubbell.

Hubbell, Wilson G., assignor to The Ryan Aeronautical Co., San Diego, Calif. Flexible joint for tubes. 2,657,076, Oct. 27.

Hube, Gottfried E., assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash. Apparatus for separating the flesh from the skin of fish. 2,655,688, Oct. 20.

Huber, Alfred A., Painesville, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Guide. 2,634,066, Apr. 7.

Huber, Clyde L., Houston, Tex., and H. C. Skipper, Montrose, Calif., assignors, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Fluid shut-in valve. 2,657,895, Nov. 3.

Huber, Harry: *See*—
Kleen, Werner, and Huber.

Huber, J. M., Corporation, assignee: *See*—
Carson, Forrest L.
Williams, Ira.

Huber, Karl: *See*—
Baasner, Wilhelm, and Huber.

Huber, Ludwig: *See*—
Dürr, Walter, Huber, and Haag.

Huber, Ludwig R., Uberlingen am Boden See, Germany, assignor, by mesne assignments, to Swingfire (Bahamas) Limited, Nassau, Bahamas. Heat exchanger with adjustable casing for varying recirculation. 2,662,748, Dec. 15.

Huber Manufacturing Company, The, assignee: *See*—
Gifford, Clayton E., and Keeler.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Variable delivery pump. 2,664,047, Dec. 29.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic pump with by-pass flow. 2,664,048, Dec. 29.

Huber, Ralph L., Seattle, Wash. System for the photographing and showing of stereoscopic motion pictures. 2,627,200, Feb. 3.

Huber, Robert, Bellevue, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland. Free piston engine having hollow pistons. 2,645,213, July 14.

Huber, Robert, Bellevue, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., Geneva, Switzerland. Regulating system for power plants, including a free piston autogenerator and a receiver machine such as a turbine. 2,659,194, Nov. 17.

Huber, Theodore A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Small gun for perforating casing in oil wells. 2,639,770, May 26.

Huber, Walter E., Dayton, Ohio, assignor to The Dayton Rubber Company. Making V-type connector belts. 2,661,045, Dec. 1.

Huber, William A., Neptune, N. J. Radio system. 2,627,068, Jan. 27.

Huber, William A., Neptune, and N. T. Volsk, Spring Lake, N. J., assignors to the United States of America as represented by the Secretary of War. Dual scanning antenna radar system. 2,627,069, Jan. 27.

Huberman, Jules A.: *See*—
Lawrence, Gerald B., and Huberman.

Hubert, Joseph F., New York, N. Y. Storm window or screen mounting structure. 2,661,508, Dec. 8.

Hubert, William J., assignee: *See*—
Reinholz, William H.

Hubley Manufacturing Company, The, assignee: *See*—
Weimer, John H., and Rockey.

Hubman, Adelbert M., University Heights, Ohio. Vegetable peeling apparatus. 2,626,645, Jan. 27.

Hubmann, Otto, Bad Homburg, Germany. Apparatus for discharging compact matter from shaft furnaces. 2,632,697, Mar. 24.

Huch, William F., St. Paul, Minn., assignor to General Mills, Inc. Balloon and packaging balloons. 2,635,834, Apr. 21.

Huch, William F., St. Paul, Minn., assignor to General Mills, Inc. Multiple gore balloon manufacturing process. 2,656,293, Oct. 20.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Safety fuse for room heaters and the like. 2,626,340, Jan. 20.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Temperature control unit. 2,636,959, Apr. 28.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Double break switch. 2,647,177, July 28.

Huck, Alfred J., and J. J. Kueser, assignors to Knapp-Monarch Company, St. Louis, Mo. Heating element with internal return lead. 2,632,833, Mar. 24.

Huck, Alfred J., and J. J. Kueser, assignors to Knapp-Monarch Company, St. Louis, Mo. Multiple heating element. 2,632,834, Mar. 24.

Huck Company, assignee: *See*—
Huck, William F.

Huck, Frederick W., Evansville, Ind. Boat anchor. 2,643,629, June 30.

Huck Glove Company, Limited, The, assignee: *See*—
Huck, John V.

Huck, John V., assignor to The Huck Glove Company, Limited, Kitchener, Ontario, Canada. Work glove, mitt, one-finger or the like. 2,642,573, June 23.

Huck, Louis C., assignor to Huck Manufacturing Company, Detroit, Mich. Divided hollow rivet with expanding means. 2,647,432, Aug. 4.

Huck Manufacturing Company, assignee: *See*—
Huck, Louis C.

Huck, William F., Forest Hills, assignor to Huck Company, New York, N. Y. Impression cylinder for intaglio printing presses. 2,651,256, Sept. 8.

Huck, William F., Forest Hills, assignor to Huck Co., New York, N. Y. Milling machine. 2,658,424, Nov. 10.

Huck, William F., Forest Hills, assignor to Huck Co., New York, N. Y. Cutting and gripping mechanism for printing machines. 2,659,437, Nov. 17.

Huck, William F., Forest Hills, F. Heller, Mount Vernon, N. Y., and A. J. Albrecht, West New York, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Blanket tensioning means. 2,627,230, Feb. 3.

Huckshold, Elmer J., assignor to Central Mine Equipment Company, St. Louis, Mo. Manufacture of bits for mining drills. 2,626,533, Jan. 27.

Hudak, John B., assignee: *See*—
Blackburn, Charles L., and Percy.

Huddle, Edwin F.: *See*—
Raney, Russell R., Huddle, and Hintz.

Huddleston, Richard H., Jr.: *See*—
Phillips, William E., and Huddleston.

Hudepohl, Fred H., assignee: *See*—
Knollman, Harry A.

Hudgins, Archibald P., Charleston, W. Va. Tenacular needle. 2,662,524, Dec. 15.

Hudgins, Peter D., and J. P. Elliott, South Boston, Va. Wheel mask. 2,627,839, Feb. 10.

Hudlow, Clair W., deceased, Washington, D. C.; M. J. O'Callaghan, Jr., administrator, assignor of one-third to E. Dorr, Washington, D. C., one-third to R. Wallace, Greenbelt, and one-third to L. Stumpf, Takoma Park, Md. Electrical testing instrument having insulation piercing and wire gripping means. 2,654,076, Sept. 29.

Hudnall, Alton, Denver, Colo. Clamp attachment for pliers. 2,654,280, Oct. 6.

Hudnut, Richard, assignee: *See*—
Ammarell, Theresa L.

Hudoba, Anthony, Struthers, Ohio. Bracket for supporting paint cans. 2,636,706, Apr. 28.

Hudson, Albert, Detroit, Mich. Vehicle wheel and tire antitheft device. 2,647,763, Aug. 4.

Hudson, Charles, South Fontana, Calif. Rafter marking device. 2,635,343, Apr. 21.

Hudson Engineering Corporation, assignee: *See*—
Baird, John B., and Lau Bach.
Turner, Nelson C.

Hudson, Esther N., Wichita, Kans. Infant's bib. 2,629,870, Mar. 3.

Hudson, H. D., Manufacturing Company, assignee: *See*—
Hudson, Robert C.

Hudson, Harold L., Ottawa Lake, Mich. Belt unloader for control of material flow. 2,641,355, June 9.

Hudson, Harold L., Toledo, Ohio. Flue for deep-frying equipment. 2,641,331, June 9.

Hudson, Kenneth K., Tampa, Fla., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Drum type orange juicer. 2,659,298, Nov. 17.

Hudson, Monie S., Spartanburg, S. C. Avoiding explosion hazards. 2,633,429, Mar. 31.

Hudson, Monie S., Spartanburg, S. C. Preservative impregnation of wood. 2,650,885, Sept. 1.

Hudson, Monie S., Spartanburg, S. C. Removing excess impregnant from impregnated wood. 2,652,347, Sept. 15.

Hudson Motor Car Company, assignee: *See*—
Railton, Reid A.
Spring, Frank S.
Toncray, Millard H., Nyquist, and Cenzer.
Toncray, Millard H., and Spring.

Hudson, Owen M.: *See*—
Allen, Howard G., and Hudson.

Hudson, Richard, Madison, N. J. Sump-drained dish structure. 2,655,016, Oct. 13.

Hudson, Robert C., Glencoe, assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Sprayer. 2,661,982, Dec. 8.

Hudson, Thomas B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of synthesis gas. 2,661,270, Dec. 1.

Hudson, Thomas B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic synthesis of organic compounds. 2,664,433, Dec. 29.

Hudson, William J., assignor to Allen-Bradley Company, Milwaukee, Wis. Magnet control. 2,648,033, Aug. 4.

Hudson Bay Mining and Smelting Co. Limited, assignee: *See*—
Knechtel, Maurice D.

Hudspeth, Clark, Fowler, Calif. Wheel-changing tool. 2,639,121, May 19.

Hudyma, Theodor, and M. Olijnyk, Stuttgart-Zuffenhausen, Germany. Vertical axis, pump and turbine hydraulic coupling. 2,652,688, Sept. 22.

Hudziak, Alberta I., and P. H. Kyker, Seattle, Wash. Chair tray with furniture arm engaging bracket. 2,647,716, Aug. 4.

Huebener, William C., Cincinnati, Ohio. Posture chair and seat. 2,647,560, Aug. 4.

Huebler, Jack: *See*—
Cone, Carrol, and Huebler.

Huebner, Charles F., Morristown, and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Iodinated mercapto-imidazoles. 2,654,761, Oct. 6.

Huebner, Charles F., Morristown, and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Iodinated substituted mercapto-imidazoles. 2,654,762, Oct. 6.

Huebner, Charles F., Morristown, R. H. Mizzoni, Chester, R. P. Mull, East Orange, and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Bis-(substituted phenyl)-thioureas. 2,662,096, Dec. 8.

Huebner Company, The, assignee: *See*—
Huebner, William C.

Huebner, Ernest W., Detroit, Mich., assignor to Weiger Weed & Company. Welding electrode holder. 2,652,472, Sept. 15.

Huebner, Herbert A., assignee: *See*—
Terry, Paul A.

Huebner, William, assignee: *See*—
Spalding, Clarence A.

Huebner, William C., Mamaroneck, N. Y. Apparatus for holding and positioning a combined mask and screen. 2,653,510, Sept. 29.

Huebner, William C., New York, N. Y., assignor to The Huebner Company, Dayton, Ohio. Preparing an electrographic reproduction instrumentality. 2,635,534, Apr. 21.

Huebner, William C., New York, N. Y., assignor to The Huebner Company, Dayton, Ohio. Method and means of producing threads or filaments electrically. 2,636,216, Apr. 28.

Huebner, William C., New York, N. Y., assignor to The Huebner Company, Dayton, Ohio. Multicolor electronographic printing. 2,654,315, Oct. 6.

Huebsch, Harold G., San Diego, Calif. Apparatus for removing frozen confections from spurs. 2,644,409, July 7.

Huebsch, Monte F., and A. H. De Moss, Fox Point, Wis., assignors, by mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio. Dry cleaning apparatus. 2,639,516, May 26.

Huebshman, Paul J., Dearborn, assignor to Whitehead & Kales Company, River Rouge, Mich. Apparatus for motor transports. 2,647,009, July 28.

Huebshman, Paul J., Dearborn, assignor to Whitehead & Kales Company, River Rouge, Mich. Loading motor transports. 2,647,010, July 28.

Huelster, Otto J., and A. F. D'Amico, assignors to Scovill Manufacturing Company, Waterbury, Conn. Apparatus for attaching and spacing fastener elements on supports. 2,646,185, July 21.

Huenergardt, Alfred G., Beverly Hills, Calif. Multiple liquid dispensing container. 2,661,870, Dec. 8.

Huenergardt, Alfred G., Beverly Hills, Calif. Multiple liquid dispensing container. 2,661,871, Dec. 8.

Hueso, Honorio V., Mexico City, Mexico. Theft-preventing arrangement for motorcars. 2,652,552, Sept. 15.

Huet, André, Paris, France. Counter current heat exchanger. 2,650,802, Sept. 1.

Huet, Roger: *See*—
Delaune, Paul, and Huet.

Huether, August: *See*—
Riley, Henry M., and Huether.

Huff, Ernest L., Tarentum, Pa. Mechanical reel. 2,628,486, Feb. 17.

Huff, Ernest L., Tarentum, Pa. Apparatus for treating continuous products. 2,628,627, Feb. 17.

Huff, Ernest L., Tarentum, Pa. Apparatus for treating continuous products. 2,649,099, Aug. 18.

Huff, George E., Miami, Okla. Self-cleaning rake. 2,642,712, June 23.

Huff, Norman M., assignor to Harper-Wyman Company, Chicago, Ill. Locking stem adjustment valve. 2,652,226, Sept. 15.

Hufferd, George H., Cleveland, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic check. 2,628,692, Feb. 17.

Hufferd, George H., Cleveland Ohio, and B. E. O'Connor, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Constant pressure variable displacement pump. 2,649,739, Aug. 25.

Huffman, Eugene H., and R. L. Oswalt, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Rare earth separation by anion exchange. 2,636,044, Apr. 21.

Huffman Full Fashioned Mills, Inc., assignee: *See*—
Pons, John A.

Huffman, James O.: *See*—
Ketchum, Milo C., and Huffman.

Huffman Manufacturing Company, The, assignee: *See*—
Yeck, John D. and W. S.

Huffman, Max N., Oklahoma City, Okla., assignor to G. D. Searle & Co., Chicago, Ill. Preparing 16-ketosteroids. 2,636,043, Apr. 21.

Huffman, Max N., Oklahoma City, Okla., assignor to G. D. Searle & Co., Chicago, Ill. Production of 16-keto-17-hydroxy steroids. 2,661,357, Dec. 1.

Huffman, Mervin C., Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill. Rock drill. 2,643,641, June 30.

Huffman, Robert L., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Double dog detent for two-motion switches. 2,657,590, Nov. 3.

Huffman, Warren C.: *See*—
Soehl, John, and Huffman.

Hufnagel, Andrew, Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Code following relay. 2,659,786, Nov. 17.

Hufnagel, John A., Mineola, assignor to Hydrocarbon Research, Inc., New York, N. Y. Rectification of mixed gases. 2,648,205, Aug. 11.

Hug, Donald P.: *See*—
Azorlosa, Julian L., and Hug.

Huge, Henry M., Lorain, Ohio, assignor to Lorain Products Corporation. Battery charger. 2,653,293, Sept. 22.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Spectrum lock-in arrangement with automatic frequency control. 2,662,180, Dec. 8.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic-frequency control apparatus for maintaining a predetermined-frequency difference between two waves. 2,662,181, Dec. 8.

Hugenholtz, Eduard H., Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency-modulated oscillator. 2,662,214, Dec. 8.

Hugger, Richard H., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Making molds. 2,629,907, Mar. 3.

Huggins, Clifford H., Wichita Falls, assignor of one-third to W. C. Gowan, Dallas, Tex. Spading fork. 2,625,370, Jan. 13.

Huggins, Ossian J., assignor of twenty-five per cent to W. C. Kimberl, Jr., Pensacola, Fla. Garbage or ash can lock lid. 2,654,623, Oct. 6.

Huggins, Percy, Sale, assignor of one-half to Lancashire Dynamo & Crypto Limited, Manchester, England. Apparatus for impregnating solid bodies. 2,627,838, Feb. 10.

Huggins, William H., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Reflex klystron oscillator. 2,659,025, Nov. 10.

Huggins, William H., and P. I. Richards, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Panoramic frequency indicator. 2,658,994, Nov. 10.

Hughes, Albert F., Des Moines, Wash., assignor, by mesne assignments, to Ray R. Scoville, Glendale, Calif. Mounting device for vacuum tube circuit elements. 2,624,775, Jan. 6.

Hughes, Alvin W., assignee: *See*—
Taylor, William H.

Hughes, Arthur C., Jr., Puente, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Return mechanism. 2,656,178, Oct. 20.

Hughes, Arthur V., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., Transformer cooling system control. 2,640,101, May 26.

Hughes, Burton S., assignor to Zaremba Company, Buffalo, N. Y. Concentrating apparatus. 2,656,885, Oct. 27.

Hughes By-Product Coke Oven Corporation, assignee: *See*—
Hughes, Charles H.

Hughes, Charles H., Glen Ridge, N. J., assignor to Hughes By-Product Coke Oven Corporation, New York, N. Y. Combustion control device for sole-fired horizontal coke ovens. 2,640,805, June 2.

Hughes, Claude A., High Point, N. C. Reclining chair with coordinated leg rest. 2,659,415, Nov. 17.

Hughes, Edward J., Jr., Philadelphia, Pa. Clothes prop. 2,634,942, Apr. 14.

Hughes, Ernest S., Jr.: *See*—
Hamilton, Francis E., Seeber, Rowley, and Hughes.

Hughes, Ernest S., Jr., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Electronic storage device. 2,628,309, Feb. 10.

Hughes, Everett C., Cleveland Heights, and F. Veatch, assignors to The Standard Oil Company, Cleveland, Ohio. Preparing hydrolytic condensation product of dichlorodipropyl sulfide in aqueous hydrogen chloride and condensation product resulting therefrom. 2,662,086, Dec. 8.

Hughes, Everett C., Shaker Heights, and E. C. Milberger, Maple Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Thickened lubricants. 2,655,476, Oct. 13.

Hughes, F. A., & Company Limited, assignee: *See*—
Simcox, Horace J.

Hughes, Francis E., administrator: *See*—
Ferguson, Barrington.

Hughes, George C., assignor to Reynolds Gas Regulator Compay, Anderson, Ind. Pilot operated fluid pressure regulator. 2,624,980, Jan. 13.

Hughes, George E., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Cross lighter and removable port-forming grid. 2,652,107, Sept. 15.

Hughes, George E., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Unit heater with draft hood. 2,660,159, Nov. 24.

Hughes, George E., and E. Saurborn, Columbus, assignors to Surface Combustion Corporation, Toledo, Ohio. Burner mounting for warm air heaters. 2,658,569, Nov. 10.

Hughes, George W., Winnipeg, Manitoba, Canada. License holder. 2,629,193, Feb. 24.

Hughes, Harley R., Louisville, Ky., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Inspection apparatus. 2,635,747, Apr. 21.

Hughes, Harry W., River Forest, Ill. Control mechanism for vehicles. 2,658,409, Nov. 10.

Hughes, Jesse E., Bridgeport, N. J., H. S. Kemp, Elsmere, and C. Pyle, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of dimethyl terephthalate by distillation. 2,646,393, July 21.

Hughes, John A., Chicago, Ill. Baby walker. 2,657,735, Nov. 3.

Hughes, John L., and A. R. Hyatt, Blandinsville, Ill. Grain cutting and windrow forming implement. 2,652,675, Sept. 22.

Hughes, John O. P., and P. H. W. Wolff, Rugby, assignors to The English Electric Company Limited, London, England. Mounting of gas turbine units. 2,661,593, Dec. 8.

Hughes, Lafayette M., assignee: *See*—
Herbold, Robert J.

Hughes, Philip G., Schenectady, N. Y., assignor to General Electric Company. Snap action electric switch mechanism. 2,632,073, Mar. 17.

Hughes, Philip G., Schenectady, N. Y., assignor to General Electric Company. Thermal timing apparatus. 2,654,010, Sept. 29.

Hughes, Richard H.: *See*—
Wilson, Edgar B., Jr., and Hughes.

Hughes, Robert W., Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Expansion engine. 2,660,154, Nov. 24.

Hughes, Robert, Woodside, N. Y. Seam baster. 2,647,316, Aug. 4.

Hughes, T. C., assignee: *See*—
Jones, James E.

Hughes, Thomas B., Granite City, Ill. Structure for conducting fluid mediums. 2,649,795, Aug. 25.

Hughes, Tom R., Inglewood, Calif., assignor to Owens-Illinois Glass Company. Article handling apparatus. 2,652,931, Sept. 22.

Hughes Tool Company, assignee: *See*—
Cline, William H., Jr.
Curtis, Daniel L.
Jenssen, Leif E., and Warren.
Lewis, Russel W., and Moore.
Pearson, Charles B.
Priest, William F.
Scott, Floyd L., Wisler, and Woods.
Scott, Fred A. and F. L.
Skoller, Marvin.
Woods, Henry B.

Hughes, Victor: *See*—
Butterfield, John P., and Hughes.

Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Variable detention liquid treating apparatus. 2,648,632, Aug. 11.

Hughes, Walter J., Tucson, Ariz., assignor to Infilco Incorporated, Chicago, Ill. Pneumatic system for operating flow control valves. 2,630,132, Mar. 3.

Hughes, William B., assignor to Cities Service Oil Company, Bartlesville, Okla. Resolving emulsions using azolidine salts of alkylated naphthalene sulfonic acids. 2,638,451, May 12.

Hughes, William B., Bartlesville, Okla., assignor to Cities Service Research and Development Company, New York, N. Y. Inhibiting corrosion of metals. 2,643,977, June 30.

Hughes, William B., Bartlesville, Okla., assignor to Cities Service Research and Development Company, New York, N. Y. Inhibiting corrosion of metals. 2,643,978, June 30.

Hughes, William B., Bartlesville, Okla., assignor to Cities Service Research and Development Company, New York, N. Y. Inhibiting corrosion of metals. 2,646,399, July 21.

Hughes, William B., Bartlesville, Okla., assignor to Cities Service Research and Development Company, New York, N. Y. Inhibiting corrosion of metals. 2,646,400, July 21.

Hughes, William B., assignor to Cities Service Oil Company, Bartlesville, Okla. Surface active compounds. 2,646,405, July 21.

Hughes, William B., assignor to Cities Service Oil Company, Bartlesville, Okla. Surface active compounds. 2,646,406, July 21.

Hughes, William B., assignor to Cities Service Company, Bartlesville, Okla. Surface active compounds. 2,653,136, Sept. 22.

Hughes, William B., Bartlesville, and B. Heinze, Pawhuska, assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting corrosion of metals. 2,643,227, June 23.

Hughes, William B., and E. B. Fisher, Bartlesville, Okla., assignors to Cities Service Research and Development Company, New York, N. Y. Breaking petroleum water-in-oil emulsions. 2,646,404, July 21.

Hughes, William B., and E. B. Fisher, Bartlesville, Okla., assignors to Cities Service Research and Development Company, New York, N. Y. Surface active compounds. 2,653,135, Sept. 22.

Hughes, William B., and E. B. Fisher, Bartlesville, Okla., assignors to Cities Service Research and Development Company, New York, N. Y. Surface active compounds. 2,653,137, Sept. 22.

Hughey, George B.: *See*—
Denkewalter, Robert G., Hughey, and Kutosh.
Kutosh, Stephen, Hughey, and Malcolmson.

Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Sectional block-type scarfing tip. 2,641,312, June 9.

Hughey, John B., assignee: *See*—
Stephenson, Noah L.

Hughey, Vaughn V., Tiffin, assignor to Basic Refractories, Incorporated, Cleveland, Ohio. Producing magnesia. 2,640,759, June 2.

Hughson, J Donald, assignor to General Railway Signal Company, Rochester, N. Y. Automatic train control system for railroads having coded and noncoded track circuit territory. 2,632,844, Mar. 24.

Hughson, J Donald, assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,635,181, Apr. 14.

Hugo, Victor J., McKeesport, and J. A. Miller, Brentwood, Pa., and H. Ottinger, deceased, Washington, D. C., by E. E. Ottinger, executrix, Washington, D. C., assignors to United States Steel Corporation. Gripping machine. 2,656,748, Oct. 27.

Huguenin, Marc, assignor to Montres Rolex S. A., Geneva, Switzerland. Anchor escapement for timepieces. 2,663,991, Dec. 29.

Huguenin, Marc P., Geneva, Switzerland, assignor to Montres Rolex S. A. (Rolex Watch Co. Ltd.). Winding mechanism for self-winding watches. 2,645,894, July 21.

Huhn, Fritz, Ventura, Calif., assignor to Western Inspection Company, Incorporated, Midland, Tex. Tube testing apparatus. 2,663,183, Dec. 22.

Huhta, Donald S.: *See*—
Nordmark, Walter E., and Huhta.

Huisman, Albert J., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Automatic shutoff liquid dispensing nozzle. 2,661,136, Dec. 1.

Hultema, John J., New Paris, Ind. Stalk shredder. 2,634,567, Apr. 14.

Hulzenga, Charles B., assignor to The Kawneer Company, Niles, Mich. Fabricated flush door. 2,633,946, Apr. 7.

Hukill, Henry D.: *See*—
Wilson, Albert E., and Hukill.

Hulet, Alfred E., assignee: *See*—
Wilford, Lawrence M.

Hulfish, Buford W., Chicago, Ill., assignor to Birtman Electric Company. Jigsaw with drive of Scotch yoke type. 2,635,651, Apr. 21.

Hulfish, Buford W., Chicago, Ill., assignor to Birtman Electric Company. Jigsaw hold-down foot and blade guide. 2,654,405, Oct. 6.

Hulin, Gloria, assignee: *See*—
Sierer, Payson, and Waterbury.

Hull, Charles B., University Heights, and C. C. Keller, Shaker Heights, Ohio, assignors to United States Steel Corporation. Apparatus for measuring the speed of elongated products. 2,641,715, June 9.

Hull, Chester A., Raceland, Ky. Skipper bar. 2,655,376, Oct. 13.

Hull, David C., and H. J. Hagemeyer, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Isomerization of alkyl vinyl ethers. 2,642,460, June 16.

Hull, David C., and W. R. Saunders, Longview, Tex., assignors to Eastman Kodak Company, Rochester, N. Y. Recovery of lower acid anhydrides by distillation. 2,663,681, Dec. 22.

Hull, Denison B., Winnetka, assignor to Otarion, Inc., Chicago, Ill. Hearing aid test structure. 2,640,099, May 26.

Hull, Frederick C.: *See*—
Losco, Ezekiel F., and Hull.

Hull, Harvard L.: *See*—
Goertz, Raymond C., and Hull.

Hull, Henry E., Worthington, assignor, by mesne assignments, to Rockwell Tools, Inc., Columbus, Ohio. Buck-saw frame. 2,645,260, July 14.

Hull, Henry E., Worthington, assignor, by mesne assignments, to Rockwell Tools, Inc., Columbus, Ohio. Saw filing machine. 2,655,057, Oct. 13.

Hull, Joseph F.: *See*—
Tonks, Lewi, and Hull.

Hull, Joseph F., Neptune, N. J. High current density beam tube. 2,632,130, Mar. 17.

Hull, Joseph F., Neptune, N. J. Magnetron. 2,632,868, Mar. 24.

Hull, Matthew R., Connersville, Ind. Ironing board mounting structure. 2,658,294, Nov. 10.

Hull, Richard L., Davenport, Iowa, assignor to American Machine and Metals, Inc., New York, N. Y. Damper for poultry house ventilators. 2,638,836, May 19.

Hull, Robert R., Pasadena, Calif., assignor to Sunkist Growers, Inc. Controlled temperature beverage cooler and dispenser. 2,629,229, Feb. 24.

Hull, Robert R., Pasadena, Calif., assignor to Sunkist Growers, Inc. Refrigerated beverage dispenser. 2,629,236, Feb. 24.

Hull, Robert R., Pasadena, Calif., assignor, by mesne assignments, to R. F., M. F., and D. T. Steward, Meriden, Conn. Liquid dispenser. 2,657,554, Nov. 3.

Hull, Thomas N., Jr., Schenectady, N. Y., assignor to General Electric Company. Turbine bucket. 2,660,401, Nov. 24.

Hull, William F., Lomita, assignor to Western Precipitation Corporation, Los Angeles, Calif. Anvil for attachment to electrode structures of electrical precipitators. 2,652,900, Sept. 22.

Hullegård, Erik W.: *See*—
Ericsson, Eric A., Hullegård, and Jacobaeus.

Hulsart, Harold J., Tuscaloosa, Ala. Pit-type electric elevator. 2,661,816, Dec. 8.

Hulsart, Harold J., Tuscaloosa, Ala. Portable load lifter. 2,661,927, Dec. 8.

Hulse, Alexander B., Dallas, Tex. Mechanical movement. 2,648,903, Aug. 18.

Hulse, George E., assignor to Hercules Powder Company, Wilmington, Del. Adhesive comprising methyl isopropenyl ketone-butadiene copolymer. 2,637,710, May 5.

Hulse, George E., assignor to Hercules Powder Company, Wilmington, Del. Adhesive containing a butadiene styrene copolymer. 2,649,425, Aug. 18.

Hulseberg, Paul J., and C. W. Roehm, Memphis, Tenn., assignors to International Harvester Company. Cotton picker mechanism housing structure. 2,644,285, July 7.

Hulsing, Kenneth L.: *See*—
Manning, William H., and Hulsing.

Hulsizer, Robert I., Belmont, and G. Hite, Dorchester, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Triggering system. 2,636,165, Apr. 21.

Hulst, George D., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Television tuning device. 2,642,746, June 23.

Hulstede, George E., Belmont, Calif., assignor to the United States of America as represented by the Secretary of War. Electrical coupling structure. 2,646,511, July 21.

Hulstede, George E., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Oscillator. 2,646,525, July 21.

Hulstein, Neal S., assignor to Heiland Research Corporation, Denver, Colo. Device for adjustably supporting cameras or the like. 2,650,788, Sept. 1.

Hultberg, Åke A., Aspudden, Sweden. Coin holder. 2,654,376, Oct. 6.

Hultberg, Rolf B. J.: *See*—
Bilde, Tord E. D., and Hultberg.

Hultberg, Rolf B. J., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Driving arrangement and control for clothes-washing apparatus and the like. 2,655,241, Oct. 13.

Hulter, Heinrich, Jr., assignee: *See*—
Doquier, Eugen.

Hultgren, Rudolph C., Chicago, Ill., assignor, by mesne assignments, to B. C. Pretzer, Detroit, Mich., and R. C. Hultgren, Chicago, Ill. Safety system for luminescent tubes. 2,644,911, July 7.

Hultkrans, Paul B., assignor to Milprint, Inc., Milwaukee, Wis. Producing drawstring bags. 2,656,769, Oct. 27.

Hultquist, Martin E., Bound Brook, and T. F. Scholz, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. 3,7-dihalo-4-hydroxyquinolines. 2,653,941, Sept. 29.

Hultquist, Victor J., Alcoa, Tenn. Method of assembling prefabricated building units in a building construction. 2,629,138, Feb. 24.

Hultquist, Victor J., Alcoa, Tenn. Wrench combined with punch and assembly tool. 2,661,644, Dec. 8.

Humason, Granville A., Houston, Tex. Sample taking tool. 2,633,200, Mar. 31.

Humber, John N., North Wilbraham, H. Hogeman, Longmeadow, and P. G. Burman, assignors to American Bosch Corporation, Springfield, Mass. Filtering apparatus. 2,639,036, May 19.

Humber Limited, assignee: *See*—
Miller, Andrew C., Kamper, and Berry.
Newman, Richard N.

Humbert, Charles C., and P. R. Wardell, Toledo, Ohio. Transmission mechanism having selectively driven output shafts. 2,630,719, Mar. 10.

Hume, George B., Kansas City, assignor to Hume Manufacturing Company, North Kansas City, Mo. Cover structure for cage-type hollow bodies. 2,635,781, Apr. 21.

Hume, Horace D., Mendota, Ill. Harvester reel. 2,644,289, July 7.

Hume, Horace D., Mendota, Ill. Trailer type crop loader. 2,650,690, Sept. 1.

Hume, Horace D., and J. D. Wheeler, Mendota, Ill., said Wheeler assignor to said Hume. Trailer hitch. 2,650,832, Sept. 1.

Hume Manufacturing Company, assignee: *See*—
Hume, George B.
Schmidt, Gordon D.

Hume, Tirey L.: *See*—
Meighan, William A., and Hume.

Hume, William G., Lancaster, Pa., assignor, by mesne assignments, to Quaker State Metals Company. Line gripping device for props. 2,640,236, June 2.

Humes, James T.: *See*—
Ritchie, William H., and Humes.

Humfeld, George P., Indianapolis, Ind., assignor to Radio Corporation of America. Plastics molding compositions. 2,636,867, Apr. 28.

Humfeld, George P., and D. A. de Tartas, Indianapolis, Ind., assignors to Radio Corporation of America. Plastic molding compositions comprising a vinyl chloride polymer and a resinous terpenephenol reaction product. 2,647,097, July 28.

Hummel, Charles: *See*—
Stettler, Walther, and Hummel.

Hummel, Frederick S., assignor to Triumph Dishwasher Limited, Toronto, Ontario, Canada. Automatic self-cleaning dishwashing machine of the recirculating type. 2,629,391, Feb. 24.

Hummel, Frederick S., assignor to Triumph Dishwasher Limited, Toronto, Ontario, Canada. Hot water tank. 2,644,432, July 7.

Hummer, Charles W., Woodhaven, N. Y. Automobile door safety lock. 2,643,905, June 30.

Hummert, Robert H.: *See*—
Gravenstine, George E., and Hummert.

Humpage, Harold A., Bloomfield, assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Circuit breaker. 2,647,191, July 28.

Humpal, Eugene G., and R. O. Balogh, Cleveland, Ohio, assignors, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Ladder operating mechanism. 2,654,524, Oct. 6.

Humphrey, Bingham J., Mount Carmel, Conn., and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Making transparent film from vinyl chloride based resins admixed with butadiene-acrylonitrile type copolymers. 2,647,101, July 28.

Humphrey, Eugene O., Salt Lake City, Utah. Railway switch box. 2,647,710, Aug. 4.

Humphrey, Howard G.: *See*—
Stowell, Clifford P., Drake, and Humphrey.

Humphrey, Warren A.: *See*—
Sutton, Otis B., and Humphrey.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Agitator raiser and belt release for suction cleaners. 2,627,623, Feb. 10.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Motor ventilating system. 2,628,320, Feb. 10.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Counterbalancing means for pivoted motor suction cleaners. 2,632,911, Mar. 31.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Motor. 2,637,821, May 5.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaning device having agitator drive belting in air duct and conversion passageway independent of belting. 2,648,861, Aug. 18.

Humphreys, David D., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Dehydrochlorination of polychlorocyclohexanes. 2,662,924, Dec. 15.

Humphreys & Glasgow Limited, assignee: *See*—
Williams, Norman H.

Humphreys, Harry S., assignor to Armstrong Cork Company, Lancaster, Pa. Inlaid floor covering and making same. 2,636,542, Apr. 28.

Humphreys, John W., assignor to Johnson Products, Inc., Muskegon, Mich. Self-adjusting mechanical tappet. 2,637,309, May 5.

Humphreys, Joseph A., Cohasset, Mass. Multiple utility clamp and bracket. 2,643,046, June 23.

Humphreys, Robert L., El Cerrito, G. C. Brock, Richmond, and C. K. Reynolds, El Cerrito, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Xylene separation. 2,659,763, Nov. 17.

Humphreys, Thomas F., Joliet, Ill. Flour sifter. 2,644,581, July 7.

Humphries Automotive Improvement Corporation, assignee: *See*—
Humphries, Charles A.

Humphries, Charles A., assignor to Humphries Automotive Improvement Corporation, Cleveland, Ohio. Vapor feeding device for internal-combustion engines. 2,652,819, Sept. 22.

Humphries, Hermon L.: *See*—
Adams, George D., Jr., and Humphries.

Hund, Alta J.: *See*—
Banes, Fred W., Young, and Hund.

Hundstad, Richard L., Pittsburgh, Pa. Direction and velocity measuring instrument. 2,645,123, July 14.

Hungerford, Churchill, Jr., Wenonah, and J. G. Reutter, assignors to Hungerford & Terry, Inc., Clayton, N. J. Backwash control equipment for filters. 2,628,726, Feb. 17.

Hungerford & Terry, Inc., assignee: *See*—
Hungerford, Churchill, Jr., and Reutter.

Hunn, James V., Avon Lake, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Alcoholysis. 2,654,767, Oct. 6.

Hunrath, George, Asbury Park, N. J., assignor to the United States of America, as represented by the Secretary of the Army. Thermoelectric couple and making same. 2,626,970, Jan. 27.

Hunsdorf, William P., assignor, by mesne assignments, to Cleveland Electrical Equipment Co. Inc., Cleveland, Ohio. Method and apparatus for coil winding. 2,632,603, Mar. 24.

Hunsicker, Homer L., assignee: *See*—
Douglass, Ernest.

Hunt, A. H. (Capacitors) Limited, assignee: *See*—
Grouse, Richard A.

Hunt, Arthur E., Albany, N Y. Coupling system for interchangeably connecting the wiring systems of tractors and trailers. 2,660,679, Nov. 24.

Hunt, C. B., & Son, Inc., assignee: *See*—
Chessman, Samuel C.

Hunt, Charles F., Akron, Ohio. Poultry defeathering apparatus. 2,635,284, Apr. 21.

Hunt, Clayton E., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for synthesizing facsimile signals from coded signals. Re. 23,713, Sept. 22.

Hunt, Clayton E., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Phasing clutch for facsimile receiver. 2,629,777, Feb. 24.

Hunt, Clayton E., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Facsimile apparatus for repeat copies. 2,652,448, Sept. 15.

Hunt Foods, Inc., assignee: *See*—
Stryker, Garrett B.

Hunt, George D., assignor to The Ohio Thermometer Company, Springfield, Ohio. Thermometer and manufacture thereof. 2,662,407, Dec. 15.

Hunt, Gerald B., Erie, Pa., assignor to General Electric Company. Brake rigging. 2,645,310, July 14.

Hunt, Gerald R., Long Beach, Calif. Line holder for winches. 2,625,373, Jan. 13.

Hunt, Harold R.: *See*—
Richmond, James H., Boehm, and Hunt.

Hunt, J Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Cover for vehicle wheels. 2,631,895, Mar. 17.

Hunt, J Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Apparatus for producing tapered metal disks. 2,649,820, Aug. 25.

Hunt, J Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Nonsquealing sheet metal brake shoe. 2,658,473, Nov. 10.

Hunt, James A., Evansville, Ind. Retractile tray for automobile instrument panels. 2,634,181, Apr. 7.

Hunt, John J., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Abradant supplying means. 2,663,127, Dec. 22.

Hunt, John W., assignor of one-half to W. P. Barrett, Pontiac, Mich. Safety switch. 2,636,953, Apr. 28.

Hunt, John W., Pontiac, Mich., and W. A. Hunt, Chicago, Ill. Nail clipper. 2,632,947, Mar. 31.

Hunt, Lloyd F., Glendale, Calif. Oil-filled strain insulator for damping line vibration. 2,639,310, May 19.

Hunt, Rodney, Machine Company, assignee: *See*—
Belcher, Harold H.
Hatch, Robert L.

Hunt, Theodore M., and T. L. Nichols, Tulsa, Okla., said Hunt assignor to said Nichols. Self-releasing fishing rod tool. 2,652,281, Sept. 15.

Hunt, Thomas G., Seat Pleasant, Md. Rope connection. 2,626,447, Jan. 27.

Hunt, Warren L., Mount Holly Springs, Pa. Covering a bowling pin. 2,656,294, Oct. 20.

Hunt, William A.: *See*—
Hunt, John W. and W. A.

Hunt, William E., Brooklyn, Conn., assignor to Wiggins-Hunt Engineering Corporation, Norwood, Mass. Aircraft. 2,650,045, Aug. 25.

Hunt, William E., Flushing, N. Y. Rotative wing aircraft. 2,639,775, May 26.

Hunt, William T., Jr.: *See*—
Frisch, Erling, and Hunt.
Montgomery, James P., and Hunt.

Huntar, Felix, Livingston, and G. O. Frey, Newark, N. J., assignors to American Can Company, New York, N. Y. Container closing mechanism. 2,653,745, Sept. 29.

Hunter, Byron A., Oxford, Conn., assignor to United States Rubber Company, New York, N. Y. Thio bis (benzene sulfonyl hydrazide). 2,626,280, Jan. 20.

Hunter, Byron A., Oxford, Conn., assignor to United States Rubber Company, New York, N. Y. Oxalic acid salt of a phenylene diamine. 2,632,770, Mar. 24.

Hunter, Byron A., Oxford, and H. D. Glenn, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,635,124, Apr. 14.

Hunter, Daniel O., Princeton, N. J., assignor to Radio Corporation of America. Television system. 2,632,864, Mar. 24.

Hunter Douglas Corporation, assignee: *See*—
Bucher, Leon R., and Skiver.
Fagg, Howard, and Starrett.
Hunter, Joseph L.

Hunter, Edward, Northwich, England, assignor to Imperial Chemical Industries Limited. Aqueous polyethylene dispersions produced by subjecting molten polymer in water to a high rate of shear. 2,653,919, Sept. 29.

Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of metal oxide gel catalysts. 2,627,506, Feb. 3.

Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Making alumina hydrosols. 2,656,321, Oct. 20.

Hunter, Edwin J., Riverside, Calif. Saddle valve. 2,660,192, Nov. 24.

Hunter Fan and Ventilating Company, assignee: *See*—
Buttner, Carl M.

Hunter Fan and Ventilating Company, Inc., assignee: *See*—
Buttner, Carl M.

Hunter, Frederick H., East Longmeadow, Mass. Timing device. 2,636,949, Apr. 28.

Hunter, Frederick H., East McKeesport, Pa. Coin operating mechanism. 2,647,607, Aug. 4.

Hunter, Harman M.: *See*—
Mitchell, Robert D., Pahl, and Hunter.

Hunter, Henry M., assignee: *See*—
Sadtler, Philip B.

Hunter, Henry M., Brooklyn, N. Y., and C. C. Bryant, Caldwell, N. J., assignors, by mesne assignments, to General American Transportation Corporation, Chicago, Ill. Center scroll bearing. 2,641,356, June 9.

Hunter, Herbert T., Baltimore, Md., and B. W. Wilson, Manhasset, assignors to Doughnut Corporation of America, New York, N. Y. Dough conditioning apparatus. 2,642,860, June 23.

Hunter, James P.: *See*—
Bramhall, George H., and Hunter.

Hunter, Joseph L., assignor to Hunter Douglas Corporation, Riverside, Calif. Continuous casting machine. 2,631,343, Mar. 17.

Hunter, Lee, Jr., University City, Mo. Wheel balancing device. 2,662,396, Dec. 15.

Hunter, Lloyd P.: *See*—
Muss, Daniel R., and Hunter.

Hunter, Lloyd P., Oak Ridge, Tenn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multifrequency T-R box. 2,644,139, June 30.

Hunter, Melmoth W., Lorain, Ohio. Shank-grip slidable side jaw wrench. 2,653,501, Sept. 29.

Hunter, Melville G., Leesburg, Fla. Child's seat. 2,625,987, Jan. 20.

Hunter, Melvin J., assignor to Dow Corning Corporation, Midland, Mich. Silanes and siloxanes containing t-alkoxy radicals and polymers plasticized and stabilized therewith. 2,645,624, June 14.

Hunter, Melvin J., and P. C. Servais, assignors to The Dow Chemical Company, Midland, Mich. Preparation of alkoxy hydrosilanes. 2,626,273, Jan. 20.

Hunter, Melvin J., and L. A. Rauner, assignors to Dow Corning Corporation, Midland, Mich. Phenyl methyl dialkoxy silane-polyhydric alcohol-dicarboxylic acid or anhydride reaction. 2,628,215, Feb. 10.

Hunter, Melvin J., Midland, Mich., and E. J. Smith, Hasbrouck Heights, N. J., assignors to Dow Corning Corporation, Midland, Mich. Siloxane resins. 2,652,385, Sept. 15.

Hunter, Paul B., Metuchen, N. J., assignor to The Sperry Corporation, Great Neck, N. Y. Fire control apparatus for controlling the flight of missiles. 2,629,289, Feb. 24.

Hunter, Ralph M., R. D. Blue, and M. P. Neipert, assignors to The Dow Chemical Company, Midland, Mich. Electrolytic apparatus for production of magnesium. 2,629,688, Feb. 24.

Hunter, Richard F., Garden City, assignor to Hunter Sash Company, Inc., Flushing, N. Y. Ventilator sash unit. 2,635,523, Apr. 21.

Hunter, Robert H., Gates Mills, and E. J. Kasper, Cleveland, Ohio; said Kasper assignor to said Hunter. Dishwashing machine and method. 2,642,369, June 16.

Hunter Sash Company, Inc., assignee: *See*—
Hunter, Richard F.

Hunter, Thomas G., Chicago, Ill. Combination breaker buoy and power generating means. 2,640,326, June 2.

Hunter, Thomas R.: *See*—
Brock, Clarence A., and Hunter.

Hunter, William, Edinburgh, Scotland. Weight raising exercising apparatus. 2,648,540, Aug. 11.

Hunter, William D., Detroit, Mich. Pendulum ball and bowling pin apparatus. 2,634,977, Apr. 14.

Hunter, William P.: *See*—
Wilmer, Emory M., and Hunter.

Huntington, Glen H., Denver, Colo., assignor, by mesne assignments, to Roliton of America, Phoenix, Ariz. Device for installing sheet metal roofing. 2,635,332, Apr. 21.

Huntington, Harry W., Cranston, R. I. Portable sewing machine. 2,639,683, May 26.

Huntington, Richard L., and L. S. Reid, Norman, Okla., assignors to Aluminum Company of America, Pittsburgh, Pa. Gas separation by adsorption. 2,642,955, June 23.

Huntington, William L.: *See*—
Divette, Randolph E., Gille, and Huntington.

Huntington, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Antidribble valve. 2,625,437, Jan. 13.

Huntington, William L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pilot. 2,662,704, Dec. 15.

Huntington, William R., Portland, Oreg. Form for molding concrete walls. 2,632,228, Mar. 24.

Huntley, Edson D., Scotia, N. Y., assignor to General Electric Company. Dynamoelectric machine core and winding ventilation arrangement. 2,664,512, Dec. 29.

Huntley, John G., assignee: *See*—
MacDougall, Kirkland B.

Huntley, Keith G.: *See*—
McGee, James D., White, Lubszynski, Webley, and Huntley.

Huntley, Keith G., Harlington, Hayes, assignor to Electric & Musical Industries Limited, Hayes, England. Pulse converting circuits. 2,650,300, Aug. 25.

Huntzicker, Harry N., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Hydrated lime composition and process. 2,663,647, Dec. 22.

Huntzicker, Harry N., Evanston, M. C. Dailey, Elmhurst, and B. R. Minnis, Glenview, assignors to United States Gypsum Company, Chicago, Ill. Ball milled high calcium lime and making the same. 2,663,646, Dec. 22.

Hunyady, Frank W., Chicago, Ill. Full-floating brake. 2,657,768, Nov. 3.

Hunz, Alphonse W., East Chicago, Ind. Lifting jack. 2,630,297, Mar. 3.

Hunziker, Fred, University Heights, and L. B. Courtot, assignors to The Weatherhead Company, Cleveland, Ohio. Indexing chuck. 2,643,132, June 23.

Hupp, Arleigh G., Milwaukee, Wis. Hair drier. 2,645,034, July 14.

Hupp, Arleigh G., assignor to The Midland Co., South Milwaukee, Wis. Tractor hitch. 2,660,271, Nov. 24.

Hupp Corporation, assignee: *See*—
Lawson, David E.
Mackmann, Arthur.

Hupp, Edward E.: *See*—
Price, Harold W., and Hupp.

Hupp, Edward E., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid control valve. 2,657,701, Nov. 3.

Hupp, Raymond L., Fort Wayne, Ind., assignor to General Electric Company. Motor speed regulating system. 2,632,874, Mar. 24.

Hurd, Charles D.: *See*—
Kreuz, Kenneth L., and Hurd.

Hurd, Dallas T., Burnt Hills, N. Y., assignor to General Electric Company. Vinyl polysiloxane compositions. 2,645,628, July 14.

Hurd, Earnest A., Los Angeles, Calif. Lawn edger. 2,630,669, Mar. 10.

Hurel, Maurice L., Deauville, France. Improvement in aircraft of high aspect ratio. 2,643,076, June 23.

Hurford, Winslow L., North Syracuse, N. Y., assignor to General Electric Company. Plural camera television control system. 2,653,186, Sept. 22.

Hurlburt, Charles E., Teaneck, and G. W. Boehm, West Englewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Gyroscope. 2,645,942, July 21.

Hurlbut, Franklin C., assignor to The Regents of the University of California, Berkeley, Calif. Ion gauge. 2,636,146, Apr. 21.

Hurlbut, James H.: *See*—
Brown, Dan A., and Hurlbut.

Hurley, Earl H., assignor of ten percent to J. L. Lansberry, Corry, Pa. Liquid level actuated switch. 2,658,970, Nov. 10.

Hurley, Forrest R., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Condensation product of polymeric phosphonitrilic chloride, chloroaniline, and a polyamino compound. 2,637,704, May 5.

Hurley, Forrest R., Jamestown, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Iron fluoride-manganese fluoride aromatizing catalyst. 2,624,713, Jan. 6.

Hurley, Leonard A., and P. F. Lucas, assignors to L. D. Houlis, Dallas, Tex. Clover-leaf roll former. 2,627,823, Feb. 10.

Hurley, Raymond F., assignor to Curtis Lighting, Inc., Chicago, Ill. Bracket for hanging fixtures. 2,632,620, Mar. 24.

Hurley, Robert E., Moorestown, N. J., assignor to Radio Corporation of America. Elliptical conoidal sound reproducing diaphragm. 2,662,606, Dec. 15.

Hurley, Wilbert, Flora, Ind. Thermostatically controlled milk cooler. 2,656,154, Oct. 20.

Hurri-On-Shutter Co., Inc., assignee: *See*—
Buckwalter, Rufus R.

Hursh, John W., Newburyport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Motor control system. 2,630,555, Mar. 3.

Hursh, Samuel R., Bala Cynwyd, and C. J. Reigh, Altoona, Pa.; said Reigh assignor to said Hursh. Ballast tamping apparatus. Re. 23,687, July 21.

Hurst, Alonzo, Providence, R. I. Spectacle temple. 2,659,270, Nov. 17.

Hurst, Clay E., Chincoteague, Va. Undulatory merry-go-round. 2,646,281, July 21.

Hurst, Earl O., Douglaston, N. Y. Shiftable engine and propeller mounting for auxiliary powered sailboats. 2,652,019, Sept. 15.

Hurst, George L., Los Altos, and M. M. Hurst, Palo Alto, Calif. Drier. 2,627,670, Feb. 10.

Hurst, Gladstone R., Oklahoma City, Okla. Golf club carrier. 2,662,776, Dec. 15.

Hurst, Mowatt M.: *See*—
Hurst, George L. and M. M.

Hurt, Hansford D., Arlington, Calif. Fluid controlled feathering means for propellers for aircraft. 2,635,701, Apr. 21.

Hurt, Robert B., assignor to Hardwick Stove Company Incorporated, Cleveland, Tenn. Broiler door and rack. 2,649,085, Aug. 18.

Hurtaj, Romuald, London, England. Combustion chamber having a series of expansion chambers. 2,645,898, July 21.

Hurtel, William W., Los Angeles, Calif. Keyless tumbler lock. 2,637,195, May 5.

Hurter, Alfred T., assignor to Stadler, Hurter & Company, Montreal, Quebec, Canada. Rotary drainage screen. 2,664,204, Dec. 29.

Hurter, Alfred T., and A. C. Attendu, Montreal, Quebec, assignors to Stadler, Hurter & Company, West Montreal, Quebec, Canada. Paper roll wrapping machine. 2,638,725, May 19.

Hurtig, Saul: *See*—
Janovsky, Rudolph, and Hurtig.

Hurvitz, Hyman, Washington, D. C., assignor to M. Wallace, doing business as Panoramic Laboratories, Eastchester, Conn. Panoramic recorder. 2,632,036, Mar. 17.

Hurvitz, Hyman, Washington, D. C. Spectrum analyzer for compressional waves. 2,643,286, June 23.

Hurvitz, Hyman, Washington, D. C. Auto correlation. 2,664,243, Dec. 29.

Hurwitz, Kate H., assignor to M. Hurwitz, New York, N. Y. Corset construction. 2,629,097, Feb. 24.

Hurwitz, Melvin D., Philadelphia, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparing organic isocyanates. 2,640,846, June 2.

Hurwitz, Melvin D., Huntingdon Valley, and R. W. Auten, Jenkintown, assignors to Rohm & Haas Company, Philadelphia, Pa. N - N'- dichloro - 1,8 - diformamido - P menthane. 2,653,169, Sept. 22.

Hurwitz, Miriam, assignee: *See*—
Hurwitz, Kate H.

Hurx, Adrianus A.: *See*—
Elenbaas, Willem, Kolkman, and Hurx.

Hurxthal, Alpheus O., Philadelphia, Pa., assignor to Proctor and Schwartz, Inc. Loop drier girt. 2,637,093, May 5.

Huscher, Myron E., M. W. Long, Jr., and J. C. Moore, assignors to The Dow Chemical Company, Midland, Mich. Mixed lower trialkanolamines. 2,649,483, Aug. 18.

Huse, Hiram N., North Scituate, R. I. Mold. 2,633,603, Apr. 7.

Hush, James M.: *See*—
Cool, Kenneth A., Hush, Ernst, and Bench.

Hushley, Walter J.: *See*—
Longini, Richard L., and Hushley.

Husky Refrigeration Corporation, assignee: *See*—
Liggett, Edward R., and Calender.

Husqvarna Vapenfabriks Aktiebolag, assignee: *See*—
Eriksson, Allan H.

Hussey, Harold A., Belmont, and D. D. Wright, Watertown, Mass., assignors to the B. F. Goodrich Company, New York, N. Y. Composite article. 2,653,884, Sept. 29.

Hussey, Luther W., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized oscillator. 2,641,705, June 9.

Hussey, Luther W., Sparta, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diode gate. 2,636,133, Apr. 21.

Hussey, Richard L., assignor to Lee Paper Company, Vicksburg, Mich. Work support and clamp for drill press tables. 2,649,819, Aug. 25.

Hussnigg, August C., Zurich, Switzerland. Apparatus for the compression of the grooves of helically grooved tubes and hoses. 2,657,617, Nov. 3.

Hussong, Ralph V.: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.

Husted, Donald R.: *See*—
Ahlbrecht, Arthur H., Reid, and Husted.

Husted, Frank G., Lubbock, Tex. Tie case. 2,649,190, Aug. 18.

Huston, Charles R., Chicago, Ill., assignor to Cherry Burrell Corporation, Wilmington, Del. Flow regulator. 2,657,712, Nov. 3.

Huston, Daniel F., Burlington, Iowa. Temple measure. 2,663,949, Dec. 29.

Huston, Elmo F., assignor to The Ohio Brass Company, Mansfield, Ohio. Cable clamping device for feeder tap. 2,657,371, Oct. 27.

Hutcheson, John W., Beacon, and E. C. Knowles, Glenham, assignors to The Texas Company, New York, N. Y. Manufacture of zinc salts of high molecular weight alkylated hydroxy aromatic compounds. 2,646,403, July 21.

Hutchins, Cecil W., Vancouver, British Columbia, Canada. Print washing machine. 2,641,170, June 9.

Hutchins, Charles C., assignor to Hutchins Electric Company, Inc., Ridgway, Pa. Electric motor. 2,649,561, Aug. 18.
Hutchins Electric Company, Inc., assignee: *See*— Hutchins, Charles C.
Hutchins, Everett C., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus. 2,636,104, Apr. 21.
Hutchins, Mary G., San Francisco, Calif. Method and apparatus for pressing pleats in fabric materials. 2,660,345, Nov. 24.
Hutchins, Paul L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt. 2,633,227, Mar. 31.
Hutchins, Ralph P., and F. C. Simon, assignors to The French Oil Mill Machinery Company, Piqua, Ohio. Solvent extraction apparatus and method. 2,663,624, Dec. 22.
Hutchinson, Alfred T., Hammond, Ind. Power pipe threader. 2,631,308, Mar. 17.
Hutchinson, Harlan H., Lone Rock, Iowa. Stool. 2,656,875, Oct. 27.
Hutchinson, Harry A., assignor to H. & P. Egg Cleaner Co., Sebastopol, Calif. Machine for cleaning eggs. 2,635,266, Apr. 21.
Hutchinson, Henry M., Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Heat-treatment of coagulated thermoplastic polymer latices. 2,650,912, Sept. 1.
Hutchinson, Roland V., Birmingham, and M. A. Thorne, assignors to General Motors Corporation, Detroit, Mich. Driven steering wheel. 2,649,922, Aug. 25.
Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Ion-exchange resins from carboxyalkyl cellulose ethers. 2,664,397, Dec. 29.
Hutchison, Alexander C.: *See*— Taylor, James, and Hutchison. Taylor, James, Hutchison, and Fagelston.
Hutchison, James R., Palm City, assignor of one-half to L. F. Ashley, Chula Vista, Calif. Variable timing cam follower. 2,663,288, Dec. 22.
Hutchison, Loyd E., Houston, Tex. Hydraulic type fluid transmission. 2,645,900, July 21.
Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Combined electromagnetically actuated clutch and brake. 2,642,169, June 16.
Hutchisson, Clarence L., Jr., and J. D. Spaulding, Mobile, Ala. Nonupsetting garbage can. 2,626,078, Jan. 20.
Huthsing, Charles K., Los Angeles, Calif. Valve. 2,654,396, Oct. 6.
Huthsing, Charles K., Los Angeles, Calif. Pump bearing seal for fire extinguishers. 2,657,950, Nov. 3.
Hutsell, Thomas A., Renton, Wash. Yardage reading device for attachment to revolving wheels. 2,655,314, Oct. 13.
Hutson, Leroy S., Bronx, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Electronic pulse modulator switch. 2,633,528, Mar. 31.
Hutt, Herman H., Brooklyn, N. Y. Display device. 2,637,924, May 12.
Hutt-Brenning, Vincent A., Durban, Natal, Union of South Africa. Manufacture of containers from fiberboard and like sheet material. 2,660,971, Dec. 1.
Hutten, Maxwell W., and F. S. Mone, Schenectady, N. Y. Safety stand for linoleum rolls. 2,646,174, July 21.
Hutter, Harry J., Euclid, Ohio. Wheel balance indicating device. 2,631,452, Mar. 17.
Hütter, Ulrich, Kirchheim (Teck), assignor to Allgaier Werkzeugbau G. m. b. H., Uhlingen Wurttemberg, Germany. Wind-driven power plant with centrifugal governor. 2,655,604, Oct. 13.
Hutton, Dorothy D., New York, N. Y. Cap. 2,647,259, Aug. 4.
Hutton, Dorothy D., New York, N. Y. Cap. 2,647,264, Aug. 4.
Hutton, Ernest W., Scotia, and R. C. Locke, Pattersonville, N. Y., assignors to General Electric Company. Motor control system for regulating tension. 2,627,592, Feb. 3.
Hutton, James L., Greensboro, N. C. Support for computing machines and the like. 2,656,098, Oct. 20.
Hutton, John F.: *See*— Matthews, John B., Evans, Carswell, and Hutton. Matthews, John B., Evans, Hutton, and Cliffe.
Hutton, John J., Ashland, Ky. Metal awning construction. 2,642,635, June 23.
Hutton, Ulric O., Brinklow, Md., assignor to the United States of America as represented by the Secretary of the Army. Recording disk clamping device. 2,662,804, Dec. 15.
Huvendick, Karl, and H. Wilhelmi, Mulheim-Ruhr, Germany. Pulley block. 2,637,524, May 5.
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Strand insertion. 2,657,454, Nov. 3.
Huyton, Alfred: *See*— Clarke, John S., and Huyton.
Huyton, Alfred, Burnley, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel combustion chamber. 2,641,903, June 16.
Hvid, Hazel C., assignee: *See*— Sionek, Frank G.
Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of strongly basic anion-exchange resins. 2,630,427, Mar. 3.
Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of insoluble quaternary ammonium alkoxides. 2,630,428, Mar. 3.
Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of weakly basic anion-exchange resins. 2,630,429, Mar. 3.
Hyams, Herbert B., assignor to Atlas Manufacturing Company, St. Paul, Minn. Device for preserving paintbrushes. 2,654,504, Oct. 6.
Hyams, Montagu, and A. Nicholson, London, England, assignors to Parker Rust-Proof Company, Detroit, Mich. Phosphate coating composition and process. 2,657,156, Oct. 27.
Hyatt, Arthur R.: *See*— Hughes, John L., and Hyatt.
Hyatt, Edwin C., L. L. Lyon, Jr., and W. R. Swanson, assignors to The Coleman Company, Inc., Wichita, Kans. Apparatus for vaporization and combustion of hydrocarbon distillates. 2,661,054, Dec. 1.
Hyatt, Edwin C., L. L. Lyon, Jr., and W. R. Swanson, assignors to The Coleman Company, Inc., Wichita, Kans. Vaporization and combustion process for hydrocarbon distillates. 2,661,271, Dec. 1.
Hybarger, Hugh K.: *See*— Holdeman, Lloyd H., and Hybarger.
Hybertsen, Paul S., Milwaukie, Oreg. Apparel rack. 2,639,814, May 26.
Hyde, A. R., & Sons Company, assignee: *See*— Hyde, Ralph A., and Vietas. Shapiro, Isadore.
Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Method of preparing organosiloxanes. 2,629,725, Feb. 24.
Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Method of preparing halosiloxanes. 2,629,726, Feb. 24.
Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Siloxane-aluminum compositions and preparing them. 2,645,654, July 14.
Hyde, James F., assignor to Dow Corning Corporation, Midland, Mich. Polymerization of organosiloxanes. 2,634,284, Apr. 7.
Hyde, John C.: *See*— Sheffer, Harry, Hyde, and Hadow.
Hyde Manufacturing Company, assignee: *See*— Chalmers, Archibald. Ferguson, Alan C.
Hyde, Ralph A., Cambridge, and F. Vietas, Bedford, assignors to A. R. Hyde & Sons Company, Cambridge, Mass. Football shoe with attachment for kicking. 2,661,547, Dec. 8.
Hyde, Robert W., assignor to The Schaible Company, Cincinnati, Ohio. Aerating nozzle. 2,624,559, Jan. 6.
Hyde, Robert W., assignor to The Clopay Corporation, Cincinnati, Ohio. Window cornice. 2,637,380, May 5.
Hydell, Robert C.: *See*— Griesheimer, Rudolph N., and Hydell.
Hydraulic Molds Corporation, assignee: *See*— Cuppett, Charles H., and Taylor.
Hydraulic Research and Manufacturing Company, assignee: *See*— Hruby, John O., Jr.
Hydraulic Research & Mfg. Co. Inc., assignee: *See*— Monnich, Carl E.
Hydraulic Systems, Inc., assignee: *See*— Jenny, Albert C.
Hydraulic Tools Corporation, assignee: *See*— Sykes, Robert E., and Neuwirth.
Hydraulik A/S, assignee: *See*— Vestre, Rasmus.
Hydro-Aire, Inc., assignee: *See*— Wilkinson, Orville L., and Wright.
Hydro-Blast Corporation, The, assignee: *See*— Webster, Roderick. Webster, Roderick S.
Hydrocarbon Research, Inc., assignee: *See*— Arnold, John H., and Grosselfinger. Benedict, Manson. Benedict, Manson, Faatz, and Woebcke. Buschow, Herman F. Garbo, Paul W. Hoffert, Frank D. Hufnagel, John A. Kalbach, John C. Keith, Percival C. Korin, Andrew D., and Robell. Layng, Edwin T. Mayhew, Robert L. Sullivan, Frederick W., Jr.
Hydrojet Corporation, The, assignee: *See*— Boeckeler, Benjamin C.
Hydro Power, Inc., assignee: *See*— Zoll, Carl M.
Hydropress, Incorporated, assignee: *See*— Bertrand, Joseph V. Bottenhorn, Hermann A. Cozzo, Giuseppe. Kent, Francis J., and Reichl. Reichl, Reymond M. Terhune, Howard.

Hydrotator Company, assignee: *See*— Remick, Walter L.
Hyer, Donald R., Peabody, and E. E. Lynch, Wakefield, Mass., assignors to General Electric Company. Load control apparatus. 2,641,716, June 9.
Hyer, Paul F., assignee: *See*— Lowther, Mary T., and McKinstry.
Hyland, John J., Brooklyn, N. Y., assignor, by mesne assignments, to Burroughs Adding Machine Company. Wire type printing machine. 2,632,386, Mar. 24.
Hyland, Raymond F., Rochester, N. Y. Combined convalescent couch and bedpan support for babies. 2,631,301, Mar. 17.
Hylbak, Harley E., Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Well casing soil sampler. 2,646,252, July 21.
Hyman, Abraham, New York, N. Y. Means for comparing two voltages. 2,658,998, Nov. 10.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Cotton stripping machine. 2,654,201, Oct. 6.
Hyman, Henry, assignee: *See*— Grimsley, Leopold C. Lang, Maurice.
Hyman, Julius: *See*— McKenna, Thomas G., Soloway, Lidov, and Hyman.
Hyman, Julius, and M. Silverman, Denver, Colo., assignors, by mesne assignments, to Shell Development Company, Emeryville, Calif. Process for the production of naphthalene and related derivatives, and derivatives highly chlorinated, partially hydrogenated triphenylene. 2,658,913, Nov. 10.
Hyman, Julius, and A. A. Danish, Denver, Colo., assignors, by mesne assignments, to Shell Development Company, Emeryville, Calif. Chlorinated polycyclic compounds. 2,658,926, Nov. 10.
Hyman, Mark, Jr., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Forming container blanks. 2,653,888, Sept. 29.
Hyman, Sam M., Manitowoc, Wis. Tumbler pad for drying machines. 2,651,509, Sept. 8.
Hyman, Sidney, New York, N. Y. Handbag. 2,663,343, Dec. 22.
Hyman, William A., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Timber grapple. 2,625,424, Jan. 13.
Hyndman, Olan R., Denver, Colo. Toning photographs and composition therefor. 2,659,674, Nov. 17.
Hyre, Warren, Chattanooga, Tenn. Rotary pump. 2,632,399, Mar. 24.
Hyslop, Andrew, Jr., Adena, Ohio. Traveling-saw machine with automatic guard. 2,637,353, May 5.
Hyster Company, assignee: *See*— Ehmann, Leslie G. Wahl, Harold F.
Hytron Radio & Electronics Co., a division of Columbia Broadcasting System, Inc., assignee: *See*— Sokolov, David A.
Hytte, Robert P. L., Lund, assignor to Aktiebolaget Separator, Stockholm, Sweden. Plate heat exchanger. 2,640,194, May 26.
Hytte, Robert P. L., Lund, assignor to Aktiebolaget Separator, Stockholm, Sweden. Temperature control for heat exchangers. 2,655,351, Oct. 13.
Hytte, Robert P. L., Lund, assignor to Aktiebolaget Separator, Stockholm, Sweden. Plate heat exchanger. 2,659,580, Nov. 17.
Hyvari, Lauri O., Orr, Minn. Rail puller. 2,651,497, Sept. 8.
I. D. Watch Case Co., Inc., assignee: *See*— Dinstman, Hyman.
I/S Interply, assignee: *See*— Moe, Halfdan N.
I-T-E Circuit Breaker Company, assignee: *See*— Caswell, Arthur S. Diebold, Edward J. Edmunds, William H. Heberlein, Gustave E. Pokorny, Frank J. Ridgley, Cornelius J. Schymik, Walter H. Stratton, Robert L. Thumim, Carl. Wood, Joseph D. Wood, Joseph D., and Caswell.
Iager, Raymond F., Alliance, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Fluid circuit resistor construction. 2,664,109, Dec. 29.
Iams, Harley, San Diego, Calif., assignor to Radio Corporation of America. Radar scanning system. 2,625,679, Jan. 13.
Iams, Harley, Venice, Calif., assignor to Radio Corporation of America. Scanning antenna. 2,629,052, Feb. 17.
Iannone, Dominick: *See*— Zaccardo, Pascal C., and Iannone.
Iasillo, Casper, Sr.: *See*— Gantz, Harry, Schwartz, and Iasillo.
Iavelli, Teno, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission and change speed clutch mechanism therefor. 2,647,598, Aug. 4.
Ibbott, Harold W., Watford, assignor to Negretti & Zambra Limited, London, England. Flow metering mechanism. 2,647,402, Aug. 4.
Ice, Clark H.: *See*— Hillyer, John C., and Ice.
Icecrafter (Liquidating) Trust, assignee: *See*— Bayston, John R.
Ickes, George: *See*— Brown, Theophilus, and Ickes.
Idaho Egg Producers, assignee: *See*— Brockman, Earl H., Allison, Maxwell, Ovregaard, and Stevenson.
Iddings, Charles D.: *See*— Woolslayer, Homer J., and Iddings. Woolslayer, Homer J., Iddings, and Eaton.
Iddings, Charles D., J. R. Bechtold, and P. E. Borg, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Prefabricated roof slab. 2,648,299, Aug. 11.
Iddings, Charles E., Petaluma, Calif. Dairy feeder. 2,652,026, Sept. 15.
Ide, Max C., Detroit, Mich. Belt-cutting and ripping device. 2,651,366, Sept. 8.
Ideal Capsules Limited, assignee: *See*— Railton, Denis E., and White.
Ideal Roller and Manufacturing Company, assignee: *See*— Love, Harold N.
Ideal Sales Corporation, assignee: *See*— Lowe, Clarence A.
Ideal Toy Corporation, assignee: *See*— Baggott, Edmund W.
Ideco, Incorporated, assignee: *See*— Macy, James C.
Iden, Floyd W.: *See*— Hampshire, Robert A., Iden, and Hancock.
Idzi, Edward D., Baltimore, Md. Tap box. 2,628,009, Feb. 10.
Idzkowski, Raymond J.: *See*— Hobbs, Maurice H., Dickinson, and Idzkowski.
Ieu-Liang Wu, William, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Automatic release and reset system. 2,640,926, June 2.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Means for providing a restricted passage in a fluid conduit. 2,658,528, Nov. 10.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel injection means for prime movers. 2,659,382, Nov. 17.
Ifield, Richard J., Dural, New South Wales, Australia, assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel regulating means for use with prime movers. 2,659,425, Nov. 17.
Igoe, Celestine M.: *See*— O'Keefe, John B., and Igoe.
Ihle Manufacturing Company, assignee: *See*— Ihle, Orden E., and Kapteyn.
Ihle, Orden E., Glendale, and E. J. Kapteyn, Los Angeles, assignors to Ihle, doing business as Ihle Manufacturing Company, Glendale, Calif. Combined container and dispenser for liquids. 2,655,011, Oct. 13.
Ihrig, Donald G., Evanston, Ill. Battery charging control responsive to gas pressure. 2,649,565, Aug. 18.
Ike, Leslie C., Fargo, N. Dak. Window construction. 2,626,434, Jan. 27.
Ilac Products Corporation, assignee: *See*— Dosberg, Harry E.
Iler, Ralph K., Brandywine Hundred, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Esterifying the surface of a silica substrate having a reactive silanol surface and product thereof. 2,657,149, Oct. 27.
Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing coated silica particles and product obtained thereby. 2,663,650, Dec. 22.
Iler, Ralph K., and F. J. Wolter, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Silica sol process. 2,631,134, Mar. 10.
Iler, Ralph K., and F. J. Wolter, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making a concentrated silica sol. 2,650,200, Aug. 25.
Ilford Limited, assignee: *See*— Edwards, Harry D. Harrison, Geoffrey B., and Robinson. Kendall, John D., and Duffin. Kendall, John D., and Fry.
Ilfrey, Allen H., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Well pump. 2,662,485, Dec. 15.
Ilgenfritz, Lester M., Mamaroneck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Humidity indicator. 2,663,190, Dec. 22.
Illian, Douglas F., Oak Park, Ill., assignor to Hotpoint Inc. Control circuits for dishwashing apparatus. 2,624,352, Jan. 6.
Illian, Douglas F., Oak Park, and N. T. Terp, Chicago, Ill., assignors to General Electric Company. Timer apparatus. 2,663,786, Dec. 22.
Illig, George D., assignor, by mesne assignments, to C. B. Roberts, Lockport, N. Y., as trustee. Feed ring with drain grooves for rotating grindstone wood grinding machines. 2,642,231, June 16.
Illinois Clay Products Company, assignee: *See*— West, Howard F., and Veale.

Illinois Railway Equipment Company, assignee: *See*—
Johnson, Malcolm S.
Smith, Edward P.
Sweger, Theodore J.
Sweger, Theodore J., and Johnson.
Illinois Stamping & Mfg. Co., assignee: *See*—
Palm, George H.
Illinois Testing Laboratories, Inc., assignee: *See*—
Donath, Edwin W., and Ritzenthaler.
Obermaier, Alfred A.
Illinois Tool Works, assignee: *See*—
Austin, Leonard E.
Burdick, Hugh.
Burdick, Hugh T.
Crowther, Edmond C.
Nielsen, Moritz H.
O'Connor, John B.
Poupitch, Ouglijesa J.
Rapata, George M.
Rees, Clarence A.
Schevenell, Leonard O.
Sklenar, Lester J.
Stull, John S.
Travis, Horace F.
Illinois Watch Case Co., assignee: *See*—
Irelan, Ellison S.
Illman, John C., Albany, and H. J. Sommer, Lafayette, assignors to Shell Development Company, Emeryville, Calif. Treating high molecular weight hydrocarbons. 2,640,803, June 2.
Illsley, Ralph W.: *See*—
Allbright, Norman J., and Illsley.
Allbright, Norman J., Illsley, and Harrington.
Ilyin, Boris P., Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Gear pump. 2,624,287, Jan. 6.
Imber, Oscar, Silver Spring, Md. Crystal growing apparatus. 2,647,043, July 28.
Imboden, Winston, Los Angeles, Calif. Gear-operated dual socket wrench. 2,630,731, Mar. 10.
Imbt, Herbert, assignor to Worthington Mower Company, Stroudsburg, Pa. Gang mower interconnecting means. 2,659,190, Nov. 17.
Imhof, Herman A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoes. 2,639,446, May 26.
Imhof, Herman A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in manufacture of shoes. 2,660,739, Dec. 1.
Imhoff, Carl A.: *See*—
Mason, Collins, and Imhoff.
Imhoff, Donald H.: *See*—
Berg, Clyde H. O., and Imhoff.
Immenroth, Otto, Alhambra, Calif. Rotary progressive die for presses. 2,625,896, Jan. 20.
Impagliazzo, Abraham M., Queens Village, assignor to The Griscom-Russell Company, New York, N. Y. Apparatus for using waste heat from heat engines for evaporation of water. 2,643,974, June 30.
Imparato, Jack G., Brooklyn, N. Y. Drum ring clamp. 2,629,910, Mar. 3.
Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.
McIntosh, Robert D.
Imperial Chemical Industries Limited, assignee: *See*—
Adams, Dennis A. W., Davies, and Wilson.
Allan, William G., and Tobin.
Barnes, Arthur W.
Belshaw, Philip L., and Irving.
Boon, William R., Greenhalgh, London, and Vasey.
Boon, William R., and Leigh.
Buckley, Gerard D.
Buckley, Gerard D., and Ray.
Burnett, Robert L.
Chadwick, Richard, and Hobbs.
Chamberlain, Kenneth A. J.
Charlton, Francis R., and Dowden.
Coleman, Denis.
Crawford, John W. C.
Curd, Francis H. S., and Young.
Dean, Fred.
Eckers, Carl G.
Ellis, Amy S., and Mooney.
Ganguin, Karl O., and Haddock.
Ganguin, Karl O., Haddock, and Macdonald.
Hunter, Edward.
Joscelyne, Francis M.
Landquist, Justus K.
Landquist, Justus K., and Stacey.
Leah, Amy S., and Mooney.
Lilley, Harold S., and Lovell.
Lodge, Frank, and Wardleworth.
Marke, Douglas J. B.
Marrian, Stanley F., and McLean.
May, Winston E., and Scott.
Mendoza, Mordecai.
Miles, Frank D.
Mitchell, Dugald.
Pollock, Freedrick J.
Reynolds, Peter W., and Challis.
Rose, Francis L., and Swain.
Rubenstein, Leon.
Shaw, Harry, Thompson, and Toler.
Imperial Chemical Industries Limited, assignee: *See*—Con.
Sillitto, George P., and Ashcroft.
Speakman, Raymond H.
Stewart, Ian F.
Stewart, Ian F., and Ashcroft.
Talbot, Frank and Foster.
Taylor, Ambrose G., and Caldwell.
Taylor, Arthur W. C., Davies, and Reynolds.
Taylor, Arthur W. C., Jones, and Allan.
Taylor, James, and Hutchison.
Taylor, James, Hutchison, and Fagelston.
Woolcock, James W.
Zenftman, Henryk, and McGillivray.
Zenftman, Henryk, and McLean.
Imperial Knife Company, Inc., assignee: *See*—
Vossler, Henry.
Imperial Paper Box Corporation, assignee: *See*—
Sukoff, Louis.
Imperial Paper and Color Corporation, assignee: *See*—
James, Raymond W., and Pings.
Van Wirt, Alfred E.
Van Wirt, Alfred E., and Jones.
Imperial Tobacco Company of Canada, Limited, assignee: *See*—
Rowell, Lorne A.
Imperial Trust for the Encouragement of Scientific and Industrial Research, The, assignee: *See*—
Thwaites, Bryan.
Import Products Company, Incorporated, assignee: *See*—
McCabe, Joseph B., and Marconi.
Ince, Daniel B., Jr., Redondo Beach, and D. V. Shafer, Inglewood, Calif., assignors to North American Aviation, Inc. Flight test head. 2,662,402, Dec. 15.
Incinerator Products Company, assignee: *See*—
Willett, George H., Jr., and Vroman.
Inconex Handelsges, m. b. H., assignee: *See*—
Töpfer, Richard J.
Incoro, Inc., assignee: *See*—
Schmid, Herman, and Hobush.
Independent-Eastern Torpedo Company, The, assignee: *See*—
Kingston, Benson M., and Childress.
Independent Engineering Company, Inc., assignee: *See*—
Cartier, Lionel R.
Gribler, Elmer J., and Lorenz.
Independent Lock Company, assignee: *See*—
Erkkila, Andrew.
Gutman, Louis.
Independent Nail and Packing Company, Inc., The, assignee: *See*—
Thornton, Jens.
Independent Pneumatic Tool Co., assignee: *See*—
Gillerstrom, Hilmer A.
Gillerstrom, Hilmer A., and Canning.
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,640,302, June 2.
Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Honing machine. 2,659,185, Nov. 17.
Indiana Steel Products Company, The, assignee: *See*—
Howell, Hugh A.
Howell, Hugh A., and Offutt.
Indium Corporation of America, The, assignee: *See*—
Murray, William S., and Dyer.
Industriaktiebolaget Luxor, assignee: *See*—
Olsson, Robert E. O., and Dahl.
Zandelin, Johan S.
Industrial Accountancy Partnership Limited, assignee: *See*—
Bihaly, Lajos.
Industrial Devices, Inc., assignee: *See*—
Geen, Cory P.
Schnoll, Nathan.
Industrial Devices of America, Inc., assignee: *See*—
Gaumer, Rolland V.
Industrial Electronics Corporation, assignee: *See*—
Jacobsen, Irvin S.
Industrial Engineering Ltd., assignee: *See*—
Davison, Frank.
Industrial Engineers, Inc., assignee: *See*—
Kallam, Floyd L.
Industrial Manufacturers Ltd., assignee: *See*—
Obert, Lawrence R.
Industrial Molded Products Co. Inc., assignee: *See*—
Kaplan, Benjamin B.
Industrial Patent Corporation, assignee: *See*—
Wales, Nathaniel B.
Industrial Rayon Corporation, assignee: *See*—
Bruson, Herman A.
Bruson, Herman A., and Riener.
Eidman, Albert W., and Wilkelis.
Huber, Alfred A.
Malm, Lawrence L.
Mayner, Thomas S.
McLellan, Kenneth M.
Stanley, Richard W.
Industrial Research, Inc., assignee: *See*—
Paxton, Dewey M.
Industrial Research Institute of the University of Chattanooga, assignee: *See*—
Coulliette, James H.
Industrial Research Laboratory Inc., assignee: *See*—
Cito, Camillo.
Industrial Sound Systems, Inc., assignee: *See*—
Fisher, Carl E., Jr.

Industrial Tape Corporation, assignee: *See*—
Bergstedt, Milton A., and Lamason.
Kline, Max M., and Pike.
Industrie- en Handelmaatschappij "De Vuurslag" C. V., assignee: *See*—
Neutelings, Theodoor R. and W.
Industrie Werke Karlsruhe Aktiengesellschaft, assignee: *See*—
Kirschbaum, Emil.
Industrikemiska Aktiebolaget, assignee: *See*—
Ohlander, Kjell P. A.
Infante, Samuel J., Bloomfield, assignor to P. B. Molinaro, Verona, N. J. Plastic tooth mounting. 2,641,837, June 16.
Infantino, Francesco D., Camden, N. J. Hair cutter. 2,661,529, Dec. 8.
Inflico Incorporated, assignee: *See*—
Adelson, Samuel L.
Green, Walter H., and Kahn.
Hughes, Walter J.
Kahn, James M., and Kominek.
Kalinske, Anton A., and Scott.
Kongelbeck, Sverre.
Paulette, Charles H., and Gunz.
Pew, Preston F.
Ingalls, Clyde E., Canisteo, N. Y., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Automatic gain control circuit. 2,629,786, Feb. 24.
Ingalls, Clyde E., Lexington, and N. B. Nichols, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Automatic gain control circuit. 2,653,229, Sept. 22.
Ingalls, David, Mountainside, and J. W. Anderson, Westfield, assignors to Airtron, Inc., Linden, N. J. Removable contactor connection plug. 2,652,549, Sept. 15.
Ingalls, Henry A., Bakersfield, Calif. Constructing buildings. 2,625,729, Jan. 20.
Ingalls, Henry A., Wasco, Calif. Device for liquid treatment of soil. 2,646,012, July 21.
Ingalls, Ross D., New Providence, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cantilever type bearing. 2,644,728, July 7.
Ingell, Nelson C., Brooklyn, N. Y. Self-filling, hand-operated atomizer or spraying device. 2,655,407, Oct. 13.
Ingelman, Björn G.: *See*—
Grönwall, Anders J. T., and Ingelman.
Ingeniorsfirman Fliesberg Aktiebolag, assignee: *See*—
Nordstrand, Sven G.
Ingersoll Milling Machine Company, The, assignee: *See*—
Bowen, Earl M.
Johnson, Arthur W.
Ingersoll, Nelson, Jr., York, Pa. Artificial intraoral veneer and producing anatomically colored and contoured restorations utilizing same. 2,659,970, Nov. 24.
Ingersoll-Rand Company, assignee: *See*—
Anderson, James H.
Anderson, James H., and Farnell.
Baker, Charles S.
Carpenter, Allan O., and Blank.
Dawson, Lewis J.
Dick, George M.
Hart, Dudley W.
Hornschuch, Hanns.
Le Valley, John.
Maclay, William R., and Spyridakis.
McClay, Gordon F.
Naab, Julius.
Plummer, John F., Jr.
Taylor, Hugh B.
Wickens, Edward F.
Ingham, George A., Elmira, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Preparation of medicinal grade sulfamethazine. 2,631,147, Mar. 10.
Ingham, Herbert S., Roslyn Estates, and C. K. Wilson, East Williston, assignors to Metallizing Engineering Co. Inc., Long Island City, N. Y. Spray tube for irrigating devices. 2,631,058, Mar. 10.
Ingham, Herbert W.: *See*—
Benbury, George W., and Ingham.
Ingham, Robert M., Jr., Clemson, S. C., assignor to Deering Milliken Research Trust, New York, N. Y. Method and apparatus for stretch-breaking textile filaments. 2,649,623, Aug. 25.
Ingle, Donald P.: *See*—
Reiches, Sol L., and Ingle.
Ingle, Donald P., assignor to All Star Products, Inc., Defiance, Ohio. Magnetic focusing device for cathode-ray tubes. 2,640,868, June 2.
Ingle, Dwight J., assignor to The Upjohn Company, Kalamazoo, Mich. Rotary rat fatigue machine. 2,663,282, Dec. 22.
Ingle, U. G., Sr., assignee: *See*—
Long, Crawford G.
Ingold, Hans, Lucerne, Switzerland. Storage arrangement. 2,654,489, Oct. 6.
Ingraham, E., Company, The, assignee: *See*—
Burghoff, Louis R.
Nichols, Malcolm P.
Ingraham, Elmer C., Cambridge, Mass., assignor to M. L. Grant, Providence, R. I. Coin hopper and chute. 2,642,073, June 16.
Ingraham, James W., and A. Barnsteiner, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Forming oven liners. 2,646,762, July 28.
Ingraham, Robert P., San Antonio, Tex. Magnetic nail holder. 2,648,066, Aug. 11.
Ingraham, Robert P., San Antonio, Tex. Garment covering device with motor-driven bag carrier. 2,649,233, Aug. 18.
Ingram, Alvin R.: *See*—
Eberl, James J., and Ingram.
Ingram, Evert T., Compton, Calif. Pull rod lock for pumps. 2,651,551, Sept. 8.
Ingram, George, Jr., Southend-on-Sea, and H. Howe, Hockley, England. Metal frame for upholstered furniture. 2,641,311, June 9.
Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Aralkylated dihydroquinolines. 2,626,253, Jan. 20.
Ingram, Joseph R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving a rubber which comprises treating the rubber with a solid resinous aralkylated dihydroquinoline antioxidant. 2,664,407, Dec. 29.
Ingram, Martell D., Wichita Falls, Tex. Rock drilling bit. 2,644,671, July 7.
Ingram, Maxwell, Dumont, N. J., assignor, by mesne assignments, to Leonard Spark Plug Co., Inc. Shielded spark plug. 2,633,116, Mar. 31.
Ingram, Orville, Washington, D. C., assignor to Unitcast Corporation, Toledo, Ohio. Individually operated door for hopper cars. 2,638,061, May 12.
Ingram, Paul, assignor to Thompson Products, Inc., Cleveland, Ohio. Slug feed device. 2,662,760, Dec. 15.
Ingvardsen, Johan F. I., Copenhagen, Denmark. Cold plate with means to prevent condensation. 2,640,329, June 2.
Ingwer, Max, Kew Gardens Hills, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Machine attached needle threader. 2,655,886, Oct. 20.
Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Circuit breaker with shunt for changing current rating. 2,625,624, Jan. 13.
Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Free trip circuit breaker. 2,625,625, Jan. 13.
Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Circuit breaker with spark sealing casing construction. 2,639,348, May 19.
Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Thermal latch circuit breaker with screw adjustment for latches. 2,639,349, May 19.
Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Switch. 2,642,510, June 16.
Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Snap action electric switch with overload protection. 2,645,691, July 14.
Injectables Research Corporation, assignee: *See*—
Salb, Oscar G.
Injection Molding Company, assignee: *See*—
Barton, Murray M.
Haines, John R.
Injeski, Stanley G., assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Endless belt magnetic separator. 2,661,092, Dec. 1.
Inland Container Corporation, assignee: *See*—
Hauck, William E.
Inland Steel Company, assignee: *See*—
Brashear, Joseph M.
De Marchi, Vincent S.
Drackley, Frank.
Evans, Douglas N.
Pennington, James W.
Inman, Claude C., Redondo Beach, Calif. Tide and wave air compressor. 2,633,289, Mar. 31.
Inman, Jack G., Carrollton, Ill. Holder for spools of wrapping cord. 2,656,130, Oct. 20.
Inman, William H., Keokuk, Iowa. Tear strip guide. 2,660,331, Nov. 24.
Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Collapsible cellular carton. 2,634,898, Apr. 14.
Inman, William H., assignor to Bloomer Bros. Company, Newark, N. Y. Carton. 2,661,143, Dec. 1.
Inman, William H., and R. M. Holmes, assignors to Bloomer Bros. Company, Newark, N. Y. Collapsible carton. 2,655,304, Oct. 13.
Innes, George: *See*—
Innes, Robert G. and G.
Innes, Robert G., Davenport, Iowa, and G. Innes, Altadena, Calif.; said R. G. Innes assignor to said G. Innes. Apparatus for separating potatoes. 2,626,051, Jan. 20.
Innes, Theodore J., Jr.: *See*—
Rees, Kenneth A., Innes, and L. M. and R. W. Williams.
Innes, William B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Apparatus for controlling the flow of gases. 2,654,387, Oct. 6.
Innis, Perry N., Bridgeport, Conn. Paper and article container for automobiles. 2,628,008, Feb. 10.
Insalaco, Michael A.: *See*—
Dessauer, John H., and Insalaco.

Insley, Norman, Nanuet, N. Y., and T. L. Tanner, Metuchen, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit regulating device. 2,663,782, Dec. 22.
Insolio, Thomas A.: *See*—
Giulioli, Louis, and Insolio.
Institut de Recherches pour les Huiles de Palme et Oleagineux, assignee: *See*—
Blaizot, Pierre.
Institute of Gas Technology, assignee: *See*—
Pettyjohn, Elmore S.
Singh, Alamjit D.
Yellott, John I.
Institute of Inventive Research, assignee: *See*—
Poulter, Thomas C.
Institute of Paper Chemistry, The, assignee: *See*—
McKee, Robert C., and Sears.
Pearl, Irwin A.
Skalmusky, Marvin F., Root, and McKee.
Wells, Sidney D.
Institute of Textile Technology, assignee: *See*—
Breazeale, William McSwain.
Owen, John J., and Fell.
Institutum Divi Thomae Foundation, assignee: *See*—
Embshoff, George F.
Sperti, George S.
Instrument Development Laboratories, Inc., assignee: *See*—
Bently, George P., and House.
Instrument Springs Manufacturing Company, assignee: *See*—
Dolby, Thomas P.
Instruments, Inc., assignee: *See*—
Graham, Ollie W.
Insul, Jack, Chicago, Ill. Warning signal. 2,659,336, Nov. 17.
Integral Limited, assignee: *See*—
Westbury, Roy, Bray, and Packenham.
Intelligent Machines Research Corporation, assignee: *See*—
Shepard, David H.
Interchemical Corporation, assignee: *See*—
De Lucia, John, and Eltonhead.
Opp, Carl J., and Werner.
Radi, Lino J.
Tyler, John E.
Weber, Ira, and Bloch.
Interior Steel Equipment Company, The, assignee: *See*—
Schaefer, Joseph F.
Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Anderson, Robert B., and Shultz.
Bonar, Floyd, and Pears.
Bredtschneider, Kurt B.
Bredtschneider, Kurt B., and Schappert.
Deaton, William M.
Dilling, Elmer D., and Frederic.
Elliott, Martin A., Clark, and Storch.
Horne, Joseph W., and Tisot.
Leonard, Byron H., Jr.
Spaulding, Lyman R.
Stevens, Rollin E.
Stringfield, Theodore W., Stevens, Spaulding, and Behrens.
Tripp, John G., Brakel, and Gould.
Interior, United States of America as represented by the Solicitor of the Department of the, assignee: *See*—
Banning, Lloyd H., and Anable.
Lloyd, Rex R., Rosenbaum, and Homme.
International Bitumen Emulsions Limited, assignee: *See*—
Bradshaw, Leonard C.
International Business Machines Corporation, assignee: *See*—
Barber, Edmund A., Jr.
Barrows, Raymond H.
Beattie, Horace S.
Beattie, Horace S., Page, and Rabenda.
Benson, Alfred B.
Bergfors, Carl A.
Bryce, James W., and Slakely.
Buhler, Eugen.
Carroll, Fred M.
Coles, Roger E.
Connolly, Charles E.
Corbett, Lawrence B., Tatusko, and Pratt.
Corson, Bayard R., and Platter.
Crowell, Arnold B.
Cunningham, James M.
Cunningham, James M., and Smith.
Daly, George F., and Adams.
Dickinson, Arthur H.
Dickinson, Arthur H., Phelps, and Bergfors.
Doty, Charles R.
Engstrom, John R.
Fox, Philip E.
Gardinor, Elliott W., and Crowell.
Gardinor, Elliott W., Johnson, and Lamb.
Hamilton, Francis E.
Hamilton, Francis E., Seeber, Rowley, and Hughes.
Havens, Byron L.
Herbert, Robert B., and Fox.
Hughes, Ernest S., Jr.
Johnson, Curt I., and Nord.
Johnson, Reynold B.
International Business Machines Corporation, assignee: *See*—Continued.
Johnson, Reynold B., and Geiger.
Keen, Harold H.
Kistner, Harold J.
Koehler, Robert B.
Lake, Clair D., Platt, and Weidenhammer.
Lake, Clair D., Wilson, Platt, and Durfee.
Luhn, Hans P.
Luhn, Hans P., and Johnson.
Malmros, Gustav V. A., and Barber.
Malmros, Gustav V. A., Barber, and Engstrom.
Manning, Clarence R.
Palmer, Ralph L.
Palmer, Ralph L., Fernekees, Haddad, Phelps, and Williams.
Paris, Robert E., Bakelaar, and Comstock.
Phelps, Byron E.
Platt, Donald R., Porterfield, and Hicks.
Rabenda, Edward J.
Reitfort, Henry A.
Rowley, Russell A., and Newcomb.
Rutbell, Clarence C., and Lusht.
Samuel, Arthur L.
Shafer, Orville B.
Sprecker, Alfred L.
Stalbecker, Sture E., and Tibbling.
Steinberg, Richard K.
Tatusko, Philip A. and Frederick.
Wagner, John L., Webb, and Eichorn.
Watson, Thomas J., and Brand.
Wheeler, John N.
Wilson, Lawrence A., and Durfee.
Winans, John M.
Wood, Harold R.
Wood, Marion L.
International Cellucotton Products Company, assignee: *See*—
Banks, Charles T.
De Wet, Charl L. R.
Henderson, Charles A.
Sabee, Reinhardt N.
Thompson, Oscar T., and Ruth.
International Cigar Machinery Company, assignee: *See*—
Halstead, John F.
Neumair, Joseph A.
Rundell, Rupert E.
Stag, Frederick E.
International Clay Machinery Company, assignee: *See*—
McElroy, Roy H.
International Company for Industrial Exploitation S. A., assignee: *See*—
Licharz, Carl E.
International Derrick & Equipment Company, assignee: *See*—
Selberg, John P.
International Electronics Company, The, assignee: *See*—
Bobb, Lloyd J.
Dashiell, Daniel H.
Roberts, Bruce.
International Glass Company, Inc., The, assignee: *See*—
Dalrymple, Philip W.
International Harvester Company, assignee: *See*—
Aasland, John L.
Acton, Russel D.
Baughman, Charles R.
Beaudry, George D., Longdon, and Brink.
Bechman, William O., and Palkovic.
Borgerd, William F.
Bornzin, James H.
Buck, Foster.
Clark, Adna R.
Courtney, Joseph F., and Radtke.
Dalenberg, William R.
Drummond, William D.
Eichhorn, Robert L.
Evans, Arthur G.
Faust, Ellwood L.
Ferguson, Henry A., Boyle, and Jedrzykowski.
Galazzi, Joseph A.
Hagen, Clarence R.
Haines, Victor A.
Harris, Arvel R.
Harris, Charles D., and Galazzi.
Harris, Charles D., and Prosek.
Harstick, William H.
Harstick, William H., and Hein.
Heckendorf, Howard A.
Hein, Harold W.
Hiatt, William C., and Cheney.
Hinkel, Lester H.
Hinkel, Lester H., and Prosek.
Hintz, Otto E.
Hintz, Otto E., and Schinke.
Hodsdon, Floyd G.
Hulseberg, Paul J., and Roehm.
Hyman, Benjamin M.
Jedrzykowski, Edmund.
Johnston, Edward J.
Karlsson, Elof K.
Kaupke, Lee H.
Kincaid, Homer F., Graham, Reynolds, and Wharff.
Komuchar, Victor J.
Komuchar, Victor J., and Gammie.

International Harvester Company, assignee: *See*—Con.
Millard, Lee P.
Millard, Lee P., and Vogel.
Morkoski, James.
Morkoski, James, and Toland.
Mott, Carl W.
Orelind, John R.
Orendorff, John W.
Palmer, John S.
Parish, Christian O., and Kincaid.
Parkerton, Howard F.
Peterson, Walter R.
Peterson, Walter R., and Radtke.
Phillips, Fae C.
Pool, Stuart D., and Collins.
Pool, Stuart D., and Van Buskirk.
Radtke, Adelbert C.
Raney, Russell R., and Huddle.
Raney, Russell R., Huddle, and Hintz.
Scott, Michael H.
Sewelin, Ernest R.
Shafer, Russell E., and J. E., and V. Cary.
Stadstad, George E.
Tipton, Phillip R., and Borgerd.
Toland, Wayne G.
Voda, John J.
Voda, John J., and Wallenbrock.
Walker, Delos A.
Wallenbrock, Ralph E., and Voda.
Ziskal, Joseph F.
International Latex Corporation, assignee: *See*—
Andrews, Fred W.
Barth, Harry J.
International Minerals & Chemical Corporation, assignee: *See*—
Arend, Carl A., Jr., and Seedorff.
Barlow, Thomas E.
Bishop, James R. T., and Swanson.
Dowling, Basil B.
Dupont, Louis E., Archer, and Carter.
Hoglan, Forest A.
Le Baron, Ira M.
Vassel, Bruno, and Garst.
International Molded Plastics, Inc., assignee: *See*—
Andre, Robert F.
International Mutoscope Corporation, assignee: *See*—
Lissianshy, Alexander.
Rabkin, William, and Baron.
International Newspaper Supply Corporation, assignee: *See*—
Ross, John R.
International Nickel Company, The, assignee: *See*—
Bieber, Clarence G., and Sumpter.
Busby, Arthur D.
Gagnebin, Albert P., and Seigle.
McKay, Robert J.
Tschop, Harry E., Carter, and Goodrich.
International Nickel Company, Inc., The, assignee: *See*—
Hignett, Harold W. G.
Hignett, Harold W. G., and Hersch.
Rhodes, Edwin C., and Rhys.
Seffing, Frederick G.
International Oil Burner Company, assignee: *See*—
Brown, Charles A.
International Paint Company, Inc., assignee: *See*—
Ward, Arthur.
International Paper Box Machine Company, The, assignee: *See*—
Amyx, Elmer, and Kramer.
International Paper Company, assignee: *See*—
Wallenius, George W.
Williamson, Oscar H.
International Postal Supply Company, The, assignee: *See*—
Persson, Ernest.
International Projector Corporation, assignee: *See*—
Rorberg, Willy.
Hallander, Elvin E.
Heidegger, Henry F.
Stephans, J Larry.
International Rectifier Corporation, assignee: *See*—
Rudolph, Hans A.
International Register Company, assignee: *See*—
Gallagher, William P.
Gallagher, William P., and Courant.
Ramos, Pedro S.
International Resistance Company, assignee: *See*—
Marsten, Jesse, and Pugh.
International Standard Electric Corporation, assignee: *See*—
Aigrain, Pierre R.
Aigrain, Pierre R., and Lair.
Bailey, Robert S.
Baum, Elmer.
Beck, Arnold H. W., Cutting, and Brisbane.
Beszedics, Geza E.
Borel, Pierre C., and Mauge.
Bracke, Oscar J. J., and Lens.
Bradburd, Ervin M.
Bray, Frederick H., Hartley, and Ridler.
Bray, Frederick H., Wilson, Ormrod, and Johnstone.
Brown, Leslie R.
Cabes, Lucien A. B.
Casabona, Anthony M.
International Standard Electric Corporation, assignee: *See*—Continued.
Chapman, Roger, and Trier.
Clarke, Trevor H.
Clavier, André G.
Clavier, André G., and de Faymoreau.
Clavier, André G., and Thomas.
Cleaver, Richard F., and Gray.
Clements, Desmond R.
Cohen, Nathaniel L., Goldstein, and Sichak.
Daly, Charles T.
Deakin, Gerald.
Deloraine, Edmond M., Van Mierlo, and Derjavitch.
Den Hertog, Martinus.
Den Hertog, Martinus, and de Zeeuw.
De Mengel, Gaston P.
Devaux, Lucien.
Dewey, Gordon C.
Donn, Heinz.
Drake, Cyril F.
Dunn, Roland H.
Eaglesfield, Charles C.
Earp, Charles W.
Earp, Charles W., and Cleaver.
Feissel, Henri.
Foulkes, Christopher H.
Frankel, Sidney.
Fremlin, John H., and Hall.
Garfield, William L.
Gayford, Michael L., and Cragg.
Gohorel, Fernand P.
Goldstein, Ladislas.
Gomez-Diez, Jose M.
Hardy, René.
Hargreaves, Thomas F. S., and Gould.
Hartley, George C.
Hartley, George C., Bray, and Hough.
Hartley, George C., and Reynolds.
Hartley, George C., and Weir.
Hatton, William, Haigh, and Kozma.
Hill, Ronald A.
Horvath, Alexander.
Hough, George H., and Baker.
Hough, George H., and Jackson.
Hough, George H., and Ridler.
Jacobsen, Bent B., Daly, Thomas, Wolfson, Shepard, and Green.
Kandoian, Armig G.
Kelly, Richard.
Klein, Otto J.
Kruithof, Jakob.
Kuper, James B. H.
Lair, Jean J. B.
Lalande, Marc A.
Lauckner, Hans E.
Lens, Georges X.
Lundburg, Frank J., and Bucher.
Marrow, Sidney H.
Matthews, Kenneth A., and White.
Mayer, Simon E.
McWhirter, Eric M. S., and Popp.
Montchausse, André J.
Moore, Thomas.
Mullarkey, Alfred J.
Nail, James J.
Odell, Alexander D.
Parker, Louis W.
Parzen, Benjamin.
Phinney, Edward D., and Bailey.
Pocock, Lyndall C.
Prior, Hector T.
Rabuteau, Guy J
Ransom, David H.
Ransom, David H., Roberts, and Taplin.
Reeves, Alec H.
Reeves, Alec H., and White.
Reinhard, Wolfgang.
Rensch, Heinz R.
Richon, Emile.
Rudkin, Eric P.
Scott, Thomas R., and Weston.
Sichak, William.
Sindzinski, Willy K.
Sindzinski, Willy K., and Hamm.
Smullin, Louis D., and Dewey.
Starr, Arthur T., and Grayson.
Staschover, Leo, and French.
Staschover, Leo, and Rosenberg.
Terry, Victor J., Holland, and James.
Terry, Victor J., and Kelly.
Touraton, Emile, and Dumousseau.
Touraton, Emile, Piquet, and Dumousseau.
Touraton, Emile, and Weill.
Touraton, Emile, and Zwobada.
Tournier, Marcel C.
Turner, Frank B.
Urtel, Rudolf.
Van Hauteville, Tankred.
Van Mierlo, Stanislas, and Derjavitch.
Veaux, Henri M.
Warner, Arthur J., and Foord.
Weston, William K.
Wilson, James H.
Wright, Esmond P. G.

International Standard Electric Corporation, assignee: *See*—Continued.
Wright, Esmond P. G., Gould, Hargreaves, and Reynolds.
Wright, Frank C., Hodgson, and Roche.
Young, Norman H., Jr.
International Steel Company, assignee: *See*—
Blanning, Harry K.
Burr, Linton B.
Koch, Walter G.
Nystrom, Karl F.
Nystrom, Karl F., and Yokel.
International Steel Wool Corporation, assignee: *See*—
Seelenbinder, Robert F.
International Telephone and Telegraph Corporation, assignee: *See*—
Brundage, John H.
De Rosa, Louis A.
Frykdahl, Carl E. H.
International Tool Corporation, assignee: *See*—
Skilling, Edwin E.
International Umbrella Supply Co., Inc., assignee: *See*—
Kampf, Friedrich, and Uthemann.
Interpatenta-Trust, assignee: *See*—
Rothmayr, Joseph.
Interstate Aircraft and Engineering Corp., assignee: *See*—
Miller, Leslie L., and Ryden.
Interstate Bag Company, Inc., assignee: *See*—
Steen, Harford K., and Thompson.
Interstate Bakeries Corporation, assignee: *See*—
Enoch, Duard W.
Interstate Drop Forge Company, assignee: *See*—
Davis, Donald K., and Rauh.
Interstate Folding Box Company, The, assignee: *See*—
Haas, Walter, and Bergstein.
Intertype Corporation, assignee: *See*—
Freund, Herman R.
Sausele, George J. H.
Interwoven Stocking Company, assignee: *See*—
Thurston, Paul L.
Int-Hout, Daniel: *See*—
Fulmer, Carl G., and Int-Hout.
Intiso, Philomena C.: *See*—
Pakswer, Serge, and Intiso.
Inventa A-G. Fuer Forschung und Patentverwertung, assignee: *See*—
Cramer, Charles.
Günther, Ulrich.
Invincible Metal Furniture Company, assignee: *See*—
Castle, Karl E.
Pasewalk, LeRoy W., and Reimer.
Invisible Glass Company of America, Inc., assignee: *See*—
McCormick, William E.
Iobbi, Alfred: Trevose, Pa. Surface dressing machine. 2,662,351, Dec. 15.
Ionics Incorporated, assignee: *See*—
Hicks, William W.
Juda, Walter.
Juda, Walter, and McRae.
Iowa State College Research Foundation, assignee: *See*—
Boast, Warren B., and Ryder.
Bridger, Grover L., and Chang.
Fitts, James W.
Spangler, Merlin G., and Chu.
Ipatieff, Vladimir N.: *See*—
Pines, Herman, and Ipatieff.
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of a 4-alkylbiphenyl. 2,630,460, Mar. 3.
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Production of polycyclic benzene hydrocarbons. 2,631,174, Mar. 10.
Ipatieff, Vladimir N., and H. Pines, assignors to Universal Oil Products Company, Chicago, Ill. Dehydrogenation of a gem alkyl arylcyclohexane. 2,658,089, Nov. 3.
Ippolito, Domenick, Glendale, Calif. Doll construction. 2,663,971, Dec. 29.
Ipsen, Harold N., Rockford, Ill. Flexible conveyer. 2,626,041, Jan. 20.
Ipsen, Harold N., Rockford, Ill. Electric heating apparatus. 2,637,755, May 5.
Ipsen, Harold N., Rockford, Ill. Conveyer apparatus for heat-treating metal parts. 2,639,047, May 19.
Ipsen, Harold N., Rockford, Ill. Electric heating apparatus. 2,650,944, Sept. 1.
Ipsen, Harold N., Rockford, Ill. Muffle furnace. 2,658,744, Nov. 10.
Ipsen, Peter G., Schenectady, N. Y., assignor to General Electric Company. High-temperature expansion joint. 2,649,315, Aug. 18.
Irby, Nathan C.: *See*—
Bulmash, Albert, Polansky, and Irby.
Iredell, Robert, Jr., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Flexible shaft coupling. 2,637,986, May 12.
Iredell, Robert, Jr., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Antivibration mounting. 2,639,115, May 19.
Irelan, Ellison S., Elgin, Ill., assignor to Illinois Watch Case Co. Hinge construction. 2,624,908, Jan. 13.
Irelan, Ellison S., Elgin, Ill., assignor to Illinois Watch Case Co. Spring for hinged cases. 2,641,360, June 9.
Ireland, George C., Akron, Ohio. Table moving dolly. 2,636,626, Apr. 28.
Ireland, John, assignee: *See*—
Parkinson, Norman.
Ireland, John C.: *See*—
Bellairs, Guy f., and Ireland.
Ireland, Murray: *See*—
Gomersall, John R., and Ireland.
Ireland, Murray, assignee: *See*—
Hendrickson, Fritz E.
Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Electric heating element. 2,659,799, Nov. 17.
Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Bread-actuated control for toasters. 2,662,466, Dec. 15.
Ireland, Ralph J., Mankato, Minn. Transport device for disk harrows. 2,641,885, June 16.
Ireland, Robert W.: *See*—
Hill, Roscoe L., and Ireland.
Ireland, William P., Jr., Haddon Heights, N. J. Thread drag tester. 2,625,040, Jan. 13.
Irgens, Finn T., assignor to Outboard, Marine & Manufacturing Company, Milwaukee, Wis. Control device. 2,651,296, Sept. 8.
Irgens, Finn T., Wauwatosa, Wis., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Outboard motor mounting for damping torsional vibration. 2,644,420, July 7.
Irion, Fred, assignee: *See*—
Schrock, Jacob N., and C. E. and H. Watson.
Irmscher, Hans O., East Hempstead, N. Y., assignor to National Tea Packing Company, Inc. Measured charge supply control flow mechanism for automatic packaging machine operations. 2,654,195, Oct. 6.
Iron Fireman Manufacturing Company, assignee: *See*—
Judson, Albert L.
Kingsley, Errol F.
Runninger, Frederick L.
Webb, Ernest C.
Wright, Richard C.
Ironrite, Inc., assignee: *See*—
Sperlich, Herman A.
Irons, Carroll R., assignor to The Dow Chemical Company, Midland, Mich. Manufacture of crystalline vinylidene chloride polymer tubing whose walls do not cohere. 2,634,459, Apr. 14.
Irrgang, Louis, Jersey City, N. J., assignor to Ettco Tool Co., Inc., Brooklyn, N. Y. Jaw keying means for chuck devices. 2,656,193, Oct. 20.
Irrigation Equipment Co., Inc., assignee: *See*—
Beymer, Oren O.
Irtenkauf, Josef, Goeppingen, and A. Grupp, Eislingen (Fils), Germany, assignors to Gebrueder Boehringer G. m. b. H. Orbital lathe for machining crankshafts. 2,662,438, Dec. 15.
Irvine, James, assignee: *See*—
Lewis, Harold P.
Irvine, Stuart, Kalamazoo, Mich. Machine for wrapping rolls of paper and the like. 2,644,282, July 7.
Irvine, Vanan C., Larchmont, N. Y., and H. J. Sommer, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Asphalt composition. 2,635,966, Apr. 21.
Irving Air Chute Company, Inc., assignee: *See*—
Loxham, John.
Irving, Albert J., Brewster, assignor to Permark Company, Inc., New York, N. Y. Marker. 2,639,524, May 26.
Irving, Francis: *See*—
Belshaw, Philip L., and Irving.
Irving, Henry F., assignor to Baker Perkins, Inc., Saginaw, Mich. Rotary drier. 2,624,124, Jan. 6.
Irving, Henry F., assignor to Baker Perkins Inc., Saginaw, Mich. Drier. 2,634,512, Apr. 14.
Irving, Robert, Newcastle-on-Tyne, assignor to The Thermal Syndicate Limited, Wallsend, England. Electric immersion heater. 2,654,820, Oct. 6.
Irwin Auger Bit Company, The, assignee: *See*—
Lacy, Richard C.
Irwin, Carl F., New Castle, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of polyamine hydrochlorides and polyisocyanates. 2,644,007, June 30.
Irwin, Herbert G., Noble, La. Arrow shooter. 2,664,078, Dec. 29.
Irwin, Joseph T., Fremont, Ohio. Conditioning of metal surfaces. 2,636,009, Apr. 21.
Irwin, Sue U., Los Angeles, Calif. Roasting rack. 2,634,674, Apr. 14.
Isaac, Joseph, assignor to Irving Davis Company, Chicago, Ill. Shelf and front panel bracket combination. 2,631,808, Mar. 17.
Isaac, Siegfried, New York, N. Y. Waist and abdominal fitting portion in nether garment. 2,663,023, Dec. 22.
Isaac, William, Shafter, Calif. Four-wheel steering actuated by cable. 2,628,848, Feb. 17.
Isaacs, Jacob G., Wilkes-Barre, and M. F. Bonomo, Mountaintop, Pa. Hair curler. 2,652,840, Sept. 22.
Isaacs, John D.: *See*—
Austin, Leslie W., and Isaacs.
Isaacson, F. T., assignee: *See*—
Jackson, Rodney.

Isaacson, Herbert S., Levittown, N. Y. Combined cot and crib for automobiles. 2,637,857, May 12.
Isaacson, Paul J., assignee: *See*—
Jackson, Rodney.
Isabella, Anthony, Philadelphia, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Boundary layer control for compressor inlet ducts. 2,646,211, July 21.
Isacco, Vittorio, London, England. Telescopic rotor blades and brakes therefor. 2,637,406, May 5.
Isacco, Vittorio, London, England. Jet-driven sustaining propeller for aircraft. 2,640,549, June 2.
Isachsen, Ludvik, Larvik, Norway. Roller housing with line reeving arrangement. 2,661,185, Dec. 1.
Isachsen, Ludvik, Larvik, Norway. Vehicle for timber transport. 2,661,235, Dec. 1.
Isbell, Charles C., Long Beach, Calif. Underwater core barrel. 2,638,321, May 12.
Isbell, Horace S., Washington, D. C., assignor to the United States of America as represented by the Secretary of Commerce. Reducing esters of aldonic acids. 2,632,005, Mar. 17.
Isbell, Horace S., Washington, D. C., assignor to the United Sttaes of America as represented by the Secretary of Commerce. Labeling polysaccharides with C^{14} and products resulting therefrom. 2,653,931, Sept. 29.
Isbell, Vernon, Fort Worth, Tex. Hair curler. 2,630,127, Mar. 3.
Isberg, Reuben A., Lynbrook, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Recorder head. 2,656,420, Oct. 20.
Isbister, Eric J.: *See*—
Peters, John L., and Isbister.
Ischer, Hans: *See*—
Knecht, Oscar, and Ischer.
Ischer, Hans, assignor to Sandoz A. G., Basel, Switzerland. Disazo dyestuffs. 2,650,916, Sept. 1.
Ischer, Hans, E. Iselin, and W. Wehrli, assignors to Sandoz A. G., Basel, Switzerland. Polyazo dyestuffs. 2,640,824, June 2.
Ischinger, Eric, Sr., Reading, Pa. Hand device for selectively dispensing and locating small elements. 2,652,012, Sept. 15.
Isecke, Kurt D.: *See*—
Tjomsland, Eli H., and Isecke.
Isele, Louis E., Oakville, assignor to The Eyelet Specialty Company, Waterbury, Conn. Lipstick container. 2,630,216, Mar. 3.
Isele, Louis E., Oakville, assignor to The Eyelet Specialty Company, Waterbury, Conn. Cosmetic container. 2,657,794, Nov. 3.
Iselin, Ernst: *See*—
Ischer, Hans, Iselin, and Wehrli.
Isella, John J., North Haven, assignor to National Folding Box Company, Inc., New Haven, Conn. Sheet edge trimmer for printing presses. 2,645,095, July 21.
Isella, John J., North Haven, and P. F. Pabst, New Haven, Conn. Auxiliary tray supporting device. 2,627,354, Feb. 3.
Isely, Frank C.: *See*—
Boothby, Lawrence W., and Isely.
Isenbarger, Robert O., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Self-contained oil seal. 2,645,507, July 14.
Isenberg, Albert E., assignee: *See*—
Gaylord, John A.
Isenberg, Alexander H., Woodside, Calif. Spacer plate for pipes in insulated conduits. 2,664,112, Dec. 29.
Isenberg, Joseph, New York, N. Y. Aircraft pedal drive with power accumulator. 2,656,994, Oct. 27.
Isenberg, Ruolf A.: *See*—
Snook, Walter B., and Isenberg.
Isenhour, Russell R., Geneva, N. Y. Commodity display rack. 2,638,692, May 19.
Isham, Don G., and D. A. Peltier, Seattle, Wash. Roller skate wheel. 2,635,923, Apr. 21.
Isham, Robert M., Okmulgee, Okla., assignor, by mesne assignments, to Southern Production Company, Inc., Fort Worth, Tex. Separation and recovery of methyl amines. 2,657,237, Oct. 27.
Isham, Robert M., Okmulgee, Okla., assignor, by mesne assignments, to Southern Production Company, Inc., Shreveport, La. Dimethyl-phosphoric acid amide and its production. 2,662,095, Dec. 8.
Ishler, Harry K., Lansdale, assignor to Philco Corporation, Philadelphia, Pa. Mount assembly for electron tubes. 2,664,519, Dec. 29.
Isler, Otto, and N. C. Hindley, Basel, and P. Zeller, Neu-Allschwil, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Vitamin A acetals. 2,657,219, Oct. 27.
Isler, William, assignee: *See*—
Brodell, Nathan H.
Lee, Lyman S.
Newman, Albert.
Isler, William, Cleveland, Ohio. Double-shelf unit. 2,657,811, Nov. 3.
Isley, John V., Graham, N. C. Reed knife. 2,624,098, Jan. 6.
Isley, Maynard J.: *See*—
Gleason, Thomas C., Smith, and Isley.
Islip, Leonard, Kincote, near Rugby, and S. W. H. Perry, Knighton, assignors to Power Jets (Research and Development) Limited, London, England. Turbine bearing cooling means. 2,652,294, Sept. 15.
Ismah Corporation of New York, assignee: *See*—
Shamah, Israel.
Isola, John D.: *See*—
Young, Arthur R., and Isola.
Israel, Grace K., assignee: *See*—
Kayser, Allan J.
Isreeli, Jack: *See*—
Smith, Stanley J., and Isreeli.
Issartial, Claude, St.-Rambert-l'Ile-Barbe, assignor to Societe Rhodiaceta, Paris, France. Producing spinnerets for the production of threads. 2,658,414, Nov. 10.
Italo Rizzieri, assignee: *See*—
Buzzi, Riccardo.
Item Sociedad de Responsabilidad Limitada, assignee: *See*—
List, Enrique.
Ito, Hiroshi, Setagaya-ku, Tokyo, assignor to Canon Camera Company, Ltd., Chuouku, Tokyo, Japan. High aperture four component objective of the Gauss type. 2,645,973, July 21.
Ito, Hiroshi, Setagaya-ku, Tokyo, assignor to Canon Camera Company, Ltd., Chuouku, Tokyo, Japan. High aperture wide angle six element Gauss type objective lens system. 2,645,974, July 21.
Ito, Hiroshi, Setagaya-ku, Tokyo, assignor to Canon Camera Company, Ltd., Chuouku, Tokyo, Japan. High aperture wide angle four component Gauss type objective. 2,645,975, July 21.
Itsa Manufacturing Co., assignee: *See*—
Fry, Ben L.
Itzkowitz, Myer, assignee: *See*—
Pepe, Pasquale.
Ivanoff, Victor, Luton, England. Fluid sealing device for electrical conductors. 2,651,672, Sept. 8.
Ivatt, Henry G., Melbourne, England, assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,632,405, Mar. 24.
Ivel Construction Corporation, assignee: *See*—
Wintersteen, Ralph L.
Ivers-Lee Company, assignee: *See*—
O'Meara, John R.
Salfisberg, Leroy L.
Salfisberg, Leroy L., and David.
Swartz, George A.
Volckening, Lloyd I.
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Means and method of making metal strip. 2,663,784, Dec. 22.
Iverson, John O.: *See*—
Haufe, Ted B., and Iverson.
Iverson, Lauren E., St. Paul, Minn. Windshield warmer. 2,659,942, Nov. 24.
Iverson, Robert L., Beaver Falls, assignor to Koppers Company, Inc., Pittsburgh, Pa. Uniting polystyrene to other surfaces using styrene monomer adhesives. 2,628,180, Feb. 10.
Iveson, Herbert T.: *See*—
Julian, Percy L., Iveson, and McClelland.
Ivey, Edwin H., Jr.: *See*—
Savage, Reuben T., and Ivey.
Ivey, Edwin H., Jr., Glenolden, and J. W. Delaplaine, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Transfer of granular materials. 2,624,695, Jan. 6.
Ivy, Jessie T., Seattle, Wash. Telescope mounting. 2,629,176, Feb. 24.
Ivy, Jessie T., Seattle, Wash. Telescope mounting for rifles. 2,645,855, July 21.
Iwan, Lillian V., Brisbane, Calif. Passive vascular exerciser. 2,646,038, July 21.
Izo, John, Jr.: *See*—
Neikirk, Edwin P., and Izo.
Izon, Frank H. T.: *See*—
Smith, Cyril R. B., and Izon.
J. A. Zurn Manufacturing Company, assignee: *See*—
Baker, Albert A.
J. E. M. Co., assignee: *See*—
Peterson, Milton C.
J. F. D. Manufacturing Co., Inc., assignee: *See*—
Finkel, Edward.
J. I. Case Company, assignee: *See*—
Russell, Stanley D.
J. & J. Tool & Machine Co.: *See*—
Junkunc, Bela B.
J. P. Marshburn, assignee: *See*—
Jones, James E.
J & S Carburetor Co., assignee: *See*—
Jones, Sam P.
Jaasund, Torkel, Brooklyn, assignor to General Carpet Supply Co. Inc., New York, N. Y. Carpet rug binder. 2,643,963, June 30.
Jablon, Theodore M., New York, N. Y. Bead chain type article or key holder and display means therefor. 2,624,457, Jan. 6.
Jablonski, Bronislaw J., Ware, Mass. Phonograph record automatic changing device. 2,626,157, Jan. 20.
Jablonski, Edwin J.: *See*—
Tuve, Richard L., and Jablonski.

Jabsco Pump Company, assignee: *See*—
Arnold, Albert W.
Jack, G. Brinton, Jr., assignee: *See*—
Horvitz, Gerald J.
Jack, Guy C.: *See*—
Foster, Oliver K., and Jack.
Jack & Heintz, Inc.: *See*—
Anderson, Robert L.
Gail, Stewart E.
Hartz, Raymond J.
Kroko, Leonard J.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Hartz, Raymond J.
Olmstead, Edwin H.
Pinter, George E.
Scott, Lloyd H.
Walley, Omar C., and Anderson.
Jack, Robert W., and H. E. Montgomery, assignors to Metal Arts Company, Rochester, N. Y. Die cutting machine. 2,649,033, Aug. 18.
Jack, William R., and L. D. Cahill, Chagrin Falls, Ohio, said Cahill assignor to said Jack. Variable resistance device. 2,644,064, June 30.
Jack, William R., and L. D. Cahill, Chagrin Falls, Ohio, said Cahill assignor to said Jack. Electrical contact device. 2,647,975, Aug. 4.
Jacket, Howard S.: *See*—
Sulfrian, Gerard F., and Jacket.
Jacklin, Harold M., Jr., Arlington, Va. Cooling arrangement for radial flow gas turbines having coaxial combustors. 2,631,429, Mar. 17.
Jackman, Charles W., assignor to General Motors Corporation, Detroit, Mich. Independent suspension. 2,635,894, Apr. 21.
Jackman, George W., assignor to The Waterbury Farrel Foundry & Machine Company, Inc., Waterbury, Conn. Cutting tool. 2,641,047, June 9.
Jacks, Robert L., and G. L. Carter, Baton Rouge, La., assignors to Standard Oil Development Company. Two-pass high-pressure reactor. 2,646,347, July 21.
Jacks, Willard G., Lynwood, Calif. Sanitary pad. 2,662,527, Dec. 15.
Jackson, Albert P., Des Moines, Iowa. Device for cleaning dentures. 2,659,380, Nov. 17.
Jackson, Alexander F., East Orange, N. J. Hydrostatic weighing scale. 2,647,740, Aug. 4.
Jackson, Alexis E.: *See*—
Makaroff, Vadim S., and Jackson.
Jackson, Alexis E., Norwalk, Conn., assignor, by mesne assignments, to American Brake Shoe Company, Wilmington, Del. Lifting device. 2,624,543, Jan. 6.
Jackson, Andrew N., Omaha, Nebr. Absorbent collar protector. 2,634,420, Apr. 14.
Jackson, Andrew V.: *See*—
Wood, John G., and Jackson.
Jackson, Anton, Queens Village, and B. A. Jackson, Long Island City, N. Y. Multiple electric connector. 2,658,182, Nov. 3.
Jackson, Bernard W. G., Southampton, and C. Skinner, Grays, England. Apparatus for softening waxes or the like materials. 2,636,970, Apr. 28.
Jackson, Boris A.: *See*—
Jackson, Anton and B. A.
Jackson Buff Corporation, assignee: *See*—
MacFarland, Laurens W.
Jackson, Byron, Co., assignee: *See*—
Dempsey, Oscar E., and Woods.
English, Charles L.
Hertel, Richard K., and Nicolson.
Lundeen, Chester A.
Miller, De Mont G., and Grant.
Millinix, Gird E.
Scott, Lyle B.
Jackson, Carter E., deceased, Evansville, Ind.; S. Jackson, administratrix. Fender straightening machine. 2,627,295, Feb. 3.
Jackson, Charles J. F., Winnipeg, Manitoba, Canada. Dental massaging, cleaning, and medicating device. 2,634,722, Apr. 14.
Jackson and Church Company, assignee: *See*—
Colby, Zenas E.
Jackson, Clarence W., San Mateo, Calif. Double-faced golf club. 2,661,952, Dec. 8.
Jackson, Clark E.: *See*—
Brown, Keith E., Clark, and Jackson.
Jackson, Clifford C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Window regulator. 2,640,694, June 2.
Jackson, Clifford C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Window regulator. 2,641,468, June 9.
Jackson, Clovis H.: *See*—
Grant, Oscar, Jr., and Jackson.
Jackson, Corwill, Ludington, Mich. Machine for compacting granular mass material. 2,643,595, June 30.
Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Paving machine, including means for spading at the sides of the forms. 2,651,979, Sept. 15.
Jackson, Daisy B., Harvey, Ill. Lingerie accessory. 2,657,392, Nov. 3.
Jackson, Donald R.: *See*—
Ash, Arthur B., and Jackson.
Jackson, Donald R. P., Deptford, London, assignor to Molins Machine Company Limited, London, England. Suction blank feed for printing, wrapping and other machines. 2,643,120, June 23.
Jackson, Donald R. P., assignor to Molins Machine Company Limited, Deptford, England. Compressor for cigarettes. 2,652,061, Sept. 15.
Jackson, Edward H. T., Redhill, England. Cathode-ray tube voltmeter. 2,644,137, June 30.
Jackson, Edwin C.: *See*—
Schieler, Albert M., and Jackson.
Jackson, Forrest A., Portland, Oreg. Resilient seat mounting. 2,664,146, Dec. 29.
Jackson, Frank L., Cincinnati, and J. C. Bayer, Sharonville, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Making white soap. 2,646,435, July 21.
Jackson, George M., Chicago, Ill. Chair having an adjustable seat and back rest. 2,627,898, Feb. 10.
Jackson, George P., Flushing, assignor to Combustion Engineering, Inc., New York, N. Y. Flow stoppage detector for fuel supply lines. 2,654,879, Oct. 6.
Jackson, Guy R.: *See*—
Melville, William S., and Jackson.
Jackson, Hagan L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tune-up system for radar. 2,656,534, Oct. 20.
Jackson, Henry M., Salt Lake City, Utah. Surgical retractor. 2,642,862, June 23.
Jackson, Howard B., assignor to Neisler Mills, Inc., Kings Mountain, N. C. Plied yarn and plied yarn fabric and making same. 2,656,585, Oct. 27.
Jackson Industries Inc., assignee: *See*—
Latimer, James T.
Jackson, James O., Crafton, assignor to Pittsburgh-Des Moines Company, Pittsburgh, Pa. Wind tunnel and straight duct section for such tunnels. 2,625,038, Jan. 13.
Jackson, James O., Crafton, assignor to Pittsburgh-Des Moines Company, Pittsburgh, Pa. Steel deck grandstand. 2,636,225, Apr. 28.
Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Pothead. 2,641,628, June 9.
Jackson, John G.: *See*—
Eastman, Harlan J., and Jackson.
Jackson, John G., assignor to Eastman Oil Well Survey Company, Denver, Colo. Milling bit. 2,633,682, Apr. 7.
Jackson, John G., assignor to Square D Company, Detroit, Mich. Multipole circuit breaker. 2,638,519, May 12.
Jackson, John G., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,652,465, Sept. 15.
Jackson, John H., Columbus, Ohio, assignor, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y. Clad magnesium base alloys. 2,651,835, Sept. 15.
Jackson, John H., and C. T. Greenidge, Columbus, Ohio, assignors, by mesne assignments, to The C. O. Jelliff Mfg. Corporation, Southport, Conn. Ni-Cr-Mn alloys. 2,628,900, Feb. 17.
Jackson, John K., Westfield, assignor, by mesne assignments, to Adolph Gottscho, Inc., Hillside, N. J. Marking apparatus. 2,641,999, June 16.
Jackson, John M., Eastcote, England. Remote control toy vehicle. 2,638,712, May 19.
Jackson, Joseph B., and C. G. Moon, assignors to Draper Corporation, Hopedale, Mass. Cloth roll windup and release. 2,634,766, Apr. 14.
Jackson, Kenneth R.: *See*—
Tauscher, Vernon A., Mullins, Jackson, and Lyon.
Jackson, Kenneth R., Alhambra, Calif., assignor to North American Aviation, Inc. Time-modulated two-stage hydraulic valve. 2,655,940, Oct. 20.
Jackson, Leonard H., Leamington Spa, England. Angler's fly box. 2,661,565, Dec. 8.
Jackson, Lester L., Jr.: *See*—
Terwilliger, David D., Mazur, and Jackson.
Jackson, Louis, New York, N. Y. Transferring designs. 2,637,271, May 5.
Jackson, Norman W., Deptford, London, assignor to Molins Machine Company Limited, London, England. Apparatus for feeding rodlike articles. 2,652,138, Sept. 15.
Jackson, Patrick J., Wembley, England, assignor to Hazeltine Research, Inc., Chicago, Ill. Servo system. 2,658,146, Nov. 3.
Jackson, Reuben U., Clifton, N. J., assignor to Hewitt-Robins Incorporated, Buffalo, N. Y. Extensible conveyer system. 2,633,974, Apr. 7.
Jackson, Robert E., Wellesley, Mass. Tire chain device. 2,657,728, Nov. 3.
Jackson, Robert F., Joplin, Mo. Wire holder. 2,631,805, Mar. 17.
Jackson, Robert J., Hazardville, Conn., assignor, by mesne assignments, to Alexander Smith Incorporated. Pile fabric. 2,662,560, Dec. 15.
Jackson, Robert L., Lubbock, Tex. Apparatus to separate cottonseed from a neutralizing agent. 2,646,170, July 21.
Jackson, Robert L., Lubbock, Tex. Cottonseed delinting apparatus. 2,646,268, July 21.
Jackson, Rodney, Seattle, Wash., assignor to P. J. and F. T. Isaacson. Load supporting and clamping arms for hand trucks with tiltable carrier frames. 2,643,013, June 23.

Jackson, Rodney, Seattle, Wash., assignor to P. J. and F. T. Isaacson. Motorized hand truck. 2,663,440, Dec. 22.
Jackson, Roger W.: *See*—
Howle, Ernest O., Jackson, and Foster.
Jackson, Sallie, administratrix: *See*—
Jackson, Carter E.
Jackson, Thomas: *See*—
Gentie, Alexander H., and Jackson.
Jackson, Thomas M.: *See*—
Hough, George H., and Jackson.
Jackson Vibrators, Inc., assignee: *See*—
Jackson, Corwill.
Jackson, Warren, Jr., East Cleveland, and R. W. Forenian, assignors to The Standard Oil Company, Cleveland, Ohio. Infrared computing recorder. 2,634,908, Apr. 14.
Jackson, Wilbur F., Compton, Calif., assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Safety reset valve device for burners. 2,658,515, Nov. 10.
Jackson, William G.: *See*—
Ford, Jared H., and Jackson.
Jacob, Brent C., Jr.: *See*—
Nims, Paul T., and Jacob.
Jacob, Ezekiel J., assignee: *See*—
Freedman, Ephraim.
Jacob, Robert M., Ablon-sur-Seine, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Gentisyl p-aminosalicylates and preparing same. 2,653,163, Sept. 22.
Jacob, Robert M., Ablon-sur-Seine, and J. G. Robert, Paris, France, assignors, by mesne assignments, to Parke, Davis & Company, Detroit, Mich. Preparation of a substituted amino propane diol. 2,628,975, Feb. 17.
Jacobaeus, Anton C.: *See*—
Ericsson, Eric A., Hullegård, and Jacobaeus.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Mounting means for ignition switch locks. 2,635,839, Apr. 21.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock mechanism. 2,650,492, Sept. 1.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electric switch. 2,650,958, Sept. 1.
Jacobi, Edward N., assignor to Briggs & Stratton Corportion, Milwaukee, Wis. Electrical switch. 2,650,973, Sept. 1.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Rear compartment lock. 2,655,028, Oct. 13.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Weather sealed lock mechanism. 2,655,031, Oct. 13.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Door latch operating mechanism. 2,660,046, Nov. 24.
Jacobi, Emil R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,660,476, Nov. 24.
Jacobi, Werner, Erlangen, H. Hinderer, Marloffstein bei Erlangen, and K. Buchta, Karlsruhe, assignors to Siemens & Halske, Aktiengesellschaft, Munich and Berlin-Siemensstadt, Germany. Electronic tuning or indicating tube. 2,639,398, May 19.
Jacobs Bros. Co. Inc., The, assignee: *See*—
Carliss, Oswald S.
Jacobs, Charles R., Del Paso Heights, Calif. Hydraulic system for transferring rotary motion to reciprocating motion. 2,628,564, Feb. 17.
Jacobs, Clare S., assignor to F. L. Jacobs Co., Detroit, Mich. Sun visor. 2,628,125, Feb. 10.
Jacobs, David I. H., Carshalton, D. J. Hadley, Epsom Downs, and R. Heap, Sutton, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of maleic acid. 2,649,477, Aug. 18.
Jacobs, Ellis H., assignee: *See*—
Miller, Joseph J.
Jacobs, F. L., Co., assignee: *See*—
Jacobs, Clare S.
Lamb, Wade.
Visser, John.
Jacobs, Frank: *See*—
Alder, Orin J., and Jacobs.
Jacobs, Harold, St. Albans, G. Hess, and B. Wolk, Woodside, N. Y., assignors to Sylvania Electric Products, Inc. Secondary emitter and manufacture. 2,639,963, May 26.
Jacobs, Harold, St. Albans, and G. Hess, Woodside, N. Y., assignors to Sylvania Electric Products Inc. Filamentary cathode. 2,639,996, May 26.
Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Snap-acting fluid motor. 2,626,183, Jan. 20.
Jacobs, John H.: *See*—
Simpson Robert D., Gordon, Cardoza, and Jacobs.
Jacobs, Joseph H., assignor to Jacobs Wind Electric Company, Minneapolis, Minn. Face and eye protective shield for welders. 2,644,159, July 7.
Jacobs, Joseph H., assignor to Jacobs Wind Electric Company, Minneapolis, Minn. Welding shield with offset lenses. 2,644,160, July 7.
Jacobs, Karl M., Fowler, Ind. Article of furniture. 2,655,983, Oct. 20.
Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M., and Haviland.
Jacobs, Mayhelt, San Francisco, and P. F. Dragon; said Dragon assignor to Pacific Pipe Company, Oakland, Calif. Pivoted detent pipe coupling. 2,643,138, June 23.
Jacobs, Morris B.: *See*—
Othmer, Donald F., Jacobs, and Wishnefsky.
Jacobs, Samuel S.: *See*—
Reid, George C., and Jacobs.
Jacobs, Saul, Forest Hills, N. Y. Greenhouse structure. 2,624,427, Jan. 6.
Jacobs, Saul, Forest Hills, N. Y. Prefabricated greenhouse. 2,653,553, Sept. 29.
Jacobs, William A., Flushing, N. Y. Lamp shade construction. 2,637,805, May 5.
Jacobs Wind Electric Company, assignee: *See*—
Jacobs, Joseph H.
Jacobsen, Andrew B., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Frequency stabilizing circuit. 2,644,093, June 30.
Jacobsen, Andrew B., Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Data transmission system. 2,643,333, June 23.
Jacobsen, Bent B., C. T. Daly, D. L. Thomas, H. Wolfson, S. C. Shepard, and D. Green, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Thermosensitive resistance element. 2,651,699, Sept. 8.
Jacobsen, Irvin S., Little Falls, assignor to Industrial Electronics Corporation, Newark, N. J. Starter for fluorescent lamps. 2,636,077, Apr. 21.
Jacobsen, Le Roy V., Durant, assignor to Bee-Line Company, Davenport, Iowa. Camber and caster gauge. Re. 23,730, Oct. 27.
Jacobsen, Richard S., Los Angeles, Calif. Spiral vibrating conveyer. 2,637,437, May 5.
Jacobsen, Robert P., Shrewsbury, Mass., assignor to G. D. Searle & Co., Chicago, Ill. α-aryl-9-oxodehydroabietinols. 2,656,345, Oct. 20.
Jacobsen, Robert P., Shrewsbury, and G. Pincus, Worcester, Mass., assignors to G. D. Searle & Co., Chicago, Ill. 2-methyl-2,7-dihydroxy octahydrophenanthrene-1-propionic acid and derivatives thereof. 2,648,700, Aug. 11.
Jacobsen, Walter E. and W. H., assignors to Prismatic, Inc., Southampton, Pa. Mechanical pencil and collet therefor. 2,624,313, Jan. 6.
Jacobsen, Walter H.: *See*—
Jacobsen, Walter E. and W. H.
Jacobson, Donald A., Grand Rapids, Mich. Gas fueled radiant heater. 2,649,907, Aug. 25.
Jacobson, Edwin B., Grand Rapids, Mich., assignor to Crampton Manufacturing Company. Latch mechanism. 2,639,182, May 19.
Jacobson, Edwin B., Grand Rapids, Mich., assignor to Crampton Manufacturing Company. Latch mechanism. 2,659,621, Nov. 17.
Jacobson, Howard C., St. Paul, Minn. Hammer mill screen construction. 2,640,650, June 2.
Jacobson, Irving, Hollywood, Calif., and C. F. Brundage, Macedon, and M. B. Moore, assignors to Graflex, Inc., Rochester, N. Y. Flashing unit assembly for photographic exposure equipment. 2,661,671, Dec. 8.
Jacobson, Jack L., Glencoe, Ill. Laterally moving detachable leg construction. 2,639,956, May 26.
Jacobson, James J., New York, and J. G. Keljikan, New Rochelle, N. Y., said Jacobson assignor to said Keljikan. Educational device. 2,632,962, Mar. 31.
Jacobson, Larry: *See*—
Perloff, John W., and Jacobson.
Jacobson, Victor, New Rochelle, assignor to Level Line Ceiling Inc., New York, N. Y. Furring hanger. 2,631,809, Mar. 17.
Jacobson, Victor, New Rochelle, assignor to Level-Line Ceilings Inc., New York, N. Y. Ceiling construction. 2,648,102, Aug. 11.
Jacobsson, Edward G., Canaan, N. Y. Shopping bag and package display carrier. 2,633,287, Mar. 31.
Jacobsson, Wilgot J., Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flowmeter. 2,655,041, Oct. 13.
Jacobsson, Wilgot J., Plainfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid pressure regulator. 2,662,348, Dec. 15.
Jacobsson, Wilgot J., Plainfield, and E. Behnke, Newark, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Gas pressure regulator resistant to hum. 2,650,455, Sept. 1.
Jacobus, Jeré K., Port Huron, Mich. Tire air indicator apparatus. 2,658,119, Nov. 3.
Jacoby, Arthur L., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Inhibiting foam in steam generation. 2,626,243, Jan. 20.
Jacoby, Arthur L., deceased, Western Springs, Ill., by R. P. Jacoby, executrix, assignor to National Aluminate Corporation, Chicago, Ill. Diamine-bis-acetamides. 2,647,121, July 28.
Jacoby-Bender, Inc., assignee: *See*—
Duerr, Charles.
Krust, Walter.
Rodriguez, Emil.
Jacoby, George W., Jr., Wooster, Ohio. Microtome knife. 2,643,579, June 30.

Jacoby, George W., Jr., Wooster, Ohio. Blood lancet. 2,646,799, July 28.
Jacoby, George W., Jr., Wooster, Ohio. Microtome knife. 2,662,445, Dec. 15.
Jacoby, George W., Jr., Wooster, Ohio. Device for sharpening hypodermic needles and other instruments. 2,663,976, Dec. 29.
Jacoby, Raymond W., Mountain Lakes, N. J. Dye aging process. 2,628,884, Feb. 17.
Jacoby, Raymond W., Mountain Lakes, N. J. Ageing or reducing apparatus. 2,641,119, June 9.
Jacoby, Ruth P., executrix: *See*—
Jacoby, Arthur L.
Jacoby, Samuel J., St. Louis, Mo. Stand boiler with vertical fire tubes and horizontal water baffles. 2,625,138, Jan. 13.
Jacquard Knitting Machine Co., Inc., assignee: *See*—
Jessen, Charles C.
Jacques, Anna T.: *See*—
Jacques, Francis J. and A. T.
Jacques, Francis J. and A. T., Milwaukee, Wis. Attachment for ironing boards. 2,636,294, Apr. 28.
Jacques Loewe Research Foundation, The, assignee: *See*—
Loewe, Leo.
Jacques, Raynaldo: *See*—
Longstreet, James R., and Jacques.
Jacques, Raynaldo P.: *See*—
Robinson, Robert D.
Jacques, Stanley A., assignor to Askania Regulator Company, Chicago, Ill. Hydraulic relay control. 2,635,584, Apr. 21.
Jacques, Stanley A., assignor to Askania Regulator Company, Chicago, Ill. Creep prevention control for hydraulic power units. 2,641,227, June 9.
Jacques, Stanley A., assignor to Askania Regulator Company, Chicago, Ill. Hydraulic piston positioning system. 2,649,841, Aug. 25.
Jacquier, Pierre A. C., Paris, assignor to Societe des Accumulateurs Fixes & de Traction, Romainville, France. Fabrication of storage battery plates. 2,646,456, July 21.
Jacquier, Pierre A. C., Paris, assignor to Societe des Accumulateurs Fixes & de Traction, Romainville, France. Electrode for alkaline batteries. 2,646,457, July 21.
Jacubenta, Joseph, Maple Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Ball deflector and screw cleaner for ball-bearing screw and nut assemblies. 2,636,397, Apr. 28.
Jacuzzi Bros., Incorporated, assignee: *See*—
Armstrong, John E.
Nash, Floyd M.
Jaeger, Jacob J., Canton Center, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Demagnetizing control system. 2,632,035, Mar. 17.
Jaeger, Wayne E., Imperial, Nebr. Drill tooth. 2,658,463, Nov. 10.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Control. 2,639,395, May 19.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Eddy-current ring construction for electrical machines. 2,641,722, June 9.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Generator controlled motor system. 2,641,736, June 9.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Control apparatus for fluctuating electro-mechanical systems. 2,641,759, June 9.
Jaeschke, Ralph L., Kenosha, Wis., assignor to Dynamatic Corporation. Electromagnetic coupling. 2,648,020, Aug. 4.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Regulating control and regenerative circuit. 2,650,996, Sept. 1.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Electronic control for inductive apparatus. 2,655,612, Oct. 13.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Power transmission control governor. 2,657,323, Oct. 27.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Tension feed control. 2,658,751, Nov. 10.
Jaeschke, Ralph L., assignor to Dynamatic Corporation, Kenosha, Wis. Speed control system for electromagnetic coupling. 2,659,832, Nov. 17.
Jaffa, Ned E.: *See*—
MacFadyen, Kenneth W., and Jaffa.
Jaffe, Hans, Cleveland Heights, assignor, by mesne assignments, to Clevite Corporation, Cleveland, Ohio. Piezoelectric device. 2,661,433, Dec. 1.
Jagen, Theodore A., Livingston, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauging and segregating of rollers. 2,634,859, Apr. 14.
Jagenburg, Eugene R., Brooklyn, N. Y. Tiltable feed for fruit and vegetable cutting machines. 2,628,648, Feb. 17.
Jager, Johannes: *See*—
Slotta, Karl H., and Jager.
Jagger, Hubert, Maywood, Ill. Shrimp peeling machine. 2,659,930, Nov. 24.
Jahn, Marion C., Lake County, W. E. Shapcott, and D. W. Smith, Cook County, assignors to Colborne Manufacturing Co., Chicago, Ill. Fluid substance depositor for filling continuously moving receptacles. 2,663,478, Dec. 22.
Jahn, William L., Grand Forks, N. Dak. Shoulder shaping attachment for road working machines. 2,646,633, July 28.
Jahnig, Charles E.: *See*—
Brown, James W., and Jahnig.
Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
Jakabcin, Joseph J.: *See*—
Silverstein, Martin S., and Jakabcin.
Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Latch releasing door handle. 2,647,783, Aug. 4.
Jakob, John P.: *See*—
Almgren, August E., and Jakob.
Jakobi, Friedrich, Essen, Germany. Caliper gauge. 2,659,982, Nov. 24.
Jakobsen, Svend O., Haugesund, Norway. Pressure lubricator. 2,634,688, Apr. 14.
Jakobson, Mark J., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fast counting circuit. 2,636,993, Apr. 28.
Jakosky, John J., assignor to Union Oil Company of California, Los Angeles, Calif. Well logging method and apparatus. 2,648,056, Aug. 4.
Jakosky, John J., Los Angeles, Calif. Means for heating oil wells. 2,660,249, Nov. 24.
Jaksekovich, Stephen, Kewaunee, Wis. Cowtail suspender. 2,645,203, July 14.
Jalbert, Jean H., Paris, France. Thermal motor with injection cylinder. 2,646,026, July 21.
Jamack, Albert, Spencer, Mass. Power saw guide gauge. 2,632,483, Mar. 24.
James, David: *See*—
Manetti, Mario J., and James.
James, Duane A.: *See*—
James, Lewis A. and D. A.
James, Edward M., Winchester, Mass., assignor to Lever Brothers Company, New York, N. Y. Refining oils with "versene." 2,638,476, May 12.
James, Emrys G., and A. O. E. Lindell, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Crystal contact device. 2,660,696, Nov. 24.
James, Emrys G., Pinner, and A. O. E. Lindell, Southgate, assignors to The General Electric Company Limited, London, England. Crystal contact device. 2,662,984, Dec. 15.
James, Ernest T., Austin, Tex. Strainer cabinet. 2,660,313, Nov. 24.
James, Esther D.: *See*—
James, Stephen F. and E. D.
James, Frazier N., assignor to Lone Star Vender Corp., Dallas, Tex. Control gate for bottle vending machines. 2,626,849, Jan. 27.
James, Frazier N., assignor to Lone Star Vender Corp., Dallas, Tex. Package vending machine with dual conveyers arranged for alternate delivery. 2,644,735, July 7.
James, Herbert L., Philadelphia, Pa. Pipe puller. 2,654,567, Oct. 6.
James, Herschel, Dryden, Wash. Ladder. 2,641,401, June 9.
James, Homer B., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit control device. 2,650,328, Aug. 25.
James, Ivor R. J.: *See*—
Terry, Victor J., Holland, and James.
James, Kenneth E., assignor to United Concrete Pipe Corporation, Baldwin Park, Calif. Machine for applying coatings. 2,651,404, Sept. 8.
James, Lewis A. and D. A., Independence, Kans. Impeller assembly for dishwashers. 2,657,095, Oct. 27.
James, Lewis A. and D. A., Independence, Kans. Dishwashing machine. 2,660,185, Nov. 24.
James Manufacturing Company, assignee: *See*—
Hazen, Gretzolon L.
Olson, John B.
James, Paul E.: *See*—
Chartrand, Victor E., and James.
James, Paul W., Fayetteville, and H. G. Reynolds, assignors to Heatilator, Inc., Syracuse, N. Y. Counterbalancing spring hinge. 2,641,795, June 16.
James, Ralph E., Jr., and R. B. Koch, assignors to The Polymer Corporation, Reading, Pa. Sizing nylon shapes. 2,661,499, Dec. 8.
James, Ralph W.: *See*—
Clark, James R., Jr., and James.
James, Raymond W., Lexington, and W. B. Pings, Cohasset, Mass., assignors, by mesne assignments, to Imperial Paper and Color Corporation, Glens Falls, N. Y. Water soluble cationic resins. 2,626,251, Jan. 20.
James, Raymond W., Lexington, and D. W. Lovering, Needham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Preparing vinyl chloride resin dispersions and resulting products. 2,636,871, Apr. 28.
James, Raymond W., Lexington, and D. W. Lovering, Needham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Vinyl chloride polymer dispersions and making same. 2,636,872, Apr. 28.
James, Richard E., and A. J. Lampert, Los Angeles, assignors to Rheem Manufacturing Company, Richmond, Calif. Downdraft diverter. 2,660,998, Dec. 1.
James, Richard T., Philadelphia, Pa. Multiorifice sanitary tooth paste dispenser. 2,628,746, Feb. 17.

James, Robert W., Wichita, Kans. Power-driven hand sheet metal shears. 2,635,335, Apr. 21.
James, Stanley W., Detroit, Mich., assignor to Allis Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine control system with ambient temperature compensation. 2,636,130, Apr. 21.
James, Stephen F. and E. D., Chicago, Ill. Vibrator. 2,659,784, Nov. 17.
James, Thomas, Jr., Oaklyn, N. J. Auxiliary brake control valve for railroad cars. 2,653,849, Sept. 29.
James, Thomas P., U. S. Navy, Alameda, Calif. Radio navigation trainer. 2,644,247, July 7.
James, Thomas R.: *See*—
Hakomaki, Raymond I., and James.
James, Varnell L. R., near Seattle, Wash., assignor to Boeing Airplane Company. Berthable chair. 2,629,425, Feb. 24.
James, Wallace O., Jackson, Mich. Impervious sheet with inflatable sides. 2,644,173, July 7.
James, William R., Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Bis(trichlormethyl)sulfone. 2,628,982, Feb. 17.
James, William S.: *See*—
Robinson, John W., and James.
James, William S., Birmingham, Mich., assignor to Fram Corporation. By-pass filter element. 2,646,885, July 28.
Jameson, Keith C., Tigerton, Wis. Automobile trunk lock. 2,636,762, Apr. 28.
Jameson, Morton B.: *See*—
Hennessey, Russell J., and Jameson.
Jameson, William, Miami, Fla. Container package structure. 2,649,197, Aug. 18.
Jamieson, Archie W. H., assignor of one-half to Sir George Godfrey & Partners (Holdings) Limited, Hanworth, England. System for the supply of conditioned air in aircraft. 2,644,315, July 7.
Jamieson, John W.: *See*—
Dingman, Thomas C., and Jamieson.
Jamieson, Walter J., Manhasset, assignor to Walter J. Jamieson Corp., New York, N. Y. Sifter-top container having a slide closure. 2,653,736, Sept. 29.
Jamieson, Walter J., Corp., assignee: *See*—
Jamieson, Walter J.
Jamieson, William H., Jr.: *See*—
Jamieson, William H. and W. H., Jr.
Jamieson, William H. and W. H., Jr., Patchogue, N. Y. Folding golf bag carrier. 2,647,762, Aug. 4.
Jamison, C. Bland, assignee: *See*—
Fuerst, Harry W.
Jamison Cold Storage Door Co., assignee: *See*—
Jamison, John V., Jr.
Jamison, John V., Jr., assignor to Jamison Cold Storage Door Co., Hagerstown, Md. Latching and releasing mechanism for refrigerator doors. 2,631,052, Mar. 10.
Jamison, Noel C., and T. R. Kohler, assignors to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. X-ray tube window. 2,663,812, Dec. 22.
Jamison, Robin R.: *See*—
Reynolds, Douglas, Greenhough, and Jamison.
Jamison, Robin R., and D. Reynolds, Chellaston, assignors to Rolls-Royce Limited, Derby, England. Automatic control for internal-combustion gas turbines. 2,629,984, Mar. 3.
Jamison, Samuel: *See*—
Heldman, Ernest J., and Jamison.
Jamotte, Georges C. F. J. G., Brussels, Belgium, assignor to Societe P. R. I. M. Societe Anonyme Holding de Perfectionnements et de Recherches Industrielles et Mecaniques, Merch Lez, Luxembourg, Luxembourg. Lubrication of wobble plate internal-combustion engines. 2,650,676, Sept. 1.
Jampol Company, Inc., The, assignee: *See*—
Casabona, Ferdinand.
Jampolsky, Lester M.: *See*—
Goldberg, Moses W., and Jampolsky.
Jandasek, Joseph, assignor to Chrysler Corporation, Highland Park, Mich. Rotor wheel. 2,632,397, Mar. 24.
Jandasek, Joseph, assignor to Chrysler Corporation, Highland Park, Mich. Transmission. 2,640,373, June 2.
Jandasek, Vladimir J., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Blading for hydraulic torque converters. 2,663,148, Dec. 22.
Jandor Incorporated, assignee: *See*—
Johnson, Edwin H.
Janes, John R., Garden City, N. Y., assignor to Deering Milliken Research Trust, Greenwich, Conn. Textile treating compounds and applying them to textiles. 2,637,623, May 5.
Janesville Cotton Mills, assignee: *See*—
Van Saun, Willard G.
Janett, Leslie G.: *See*—
Lesniak, Frank G., and Janett.
Janiszewski, Kasimir, assignor to Superior Steel Products Corp., Milwaukee, Wis. Die set handling flange and coacting hook. 2,647,784, Aug. 4.
Janiszewski, Kasimir, Milwaukee, Wis. Die set leader bearings with variable clearance. 2,652,893, Sept. 22.
Janke and Company, assignee: *See*—
Storer, Merrill E.
Jankot, Joseph J., assignor, by mesne assignments, to Acragage Corporation, Milford, Conn. Bezel retaining means for instrument cases. 2,657,827, Nov. 3.
Jannello, César V., Buenos Aires, Argentina. Chair. 2,631,655, Mar. 17.
Janness, William E., Wheeling, assignor to Lighting Products, Inc., Highland Park, Ill. Electric lighting fixture support. 2,642,251, June 16.
Janney, Raymond B., Ill., assignor, by mesne assignments, to All American Engineering Company, Wilmington, Del. Water planing undercarriage with flotation means for aircraft. 2,643,835, June 30.
Jannsen, Newman C., assignor to Bestway Equipment Co., Inc., Seattle, Wash. Sack handling device for lift trucks. 2,628,734, Feb. 17.
Janonis, George, Detroit, Mich. Door latch structure 2,656,208, Oct. 20.
Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Heat exchange structure. 2,637,530, May 5.
Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Cooling arrangement for refrigerating apparatus. 2,644,320, July 7.
Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Continuous icemaking apparatus. 2,645,098, July 14.
Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Combined illumination and minimum temperature control for refrigerators. 2,658,968, Nov. 10.
Janosek, Charles J., assignor to The Cleveland Welding Company, Cleveland, Ohio. Tubular metal chair frame. 2,638,149, May 12.
Janosko, John J., Anaconda, Mont.; M. R. Janosko, administratrix, assignor to M. R. Janosko, Anaconda, Mont. Rock drill. 2,634,103, Apr. 7.
Janosko, Mary R., administratrix, assignee: *See*—
Janosko, John J.
Janovsky, Rudolph, Berwyn, and S. Hurtig, Chicago, Ill. Visible index unit. 2,638,903, May 19.
Janow, Joseph, Dallas, Tex. Variable pitch pulley. 2,641,138, June 9.
Janows, Alex, Wilmette, assignor to Herlex Manufacturing Co., Chicago, Ill. Salvaging device for garbage disposal units. 2,630,918, Mar. 10.
Janowski, Edward, Pawtucket, R. I. Jig. 2,642,918, June 23.
Jansen, Andries W., Rijswijk, Netherlands. Apparatus for grading fruit according to size. 2,656,922, Oct. 27.
Jansen, Frans: *See*—
Veenemans, Cornelis F., Visser, and Jansen.
Jansen, Howard, Chicago, Ill. Ski binding. 2,658,767, Nov. 10.
Jansen, Jacob E.: *See*—
Kehé, Henry J., and Jansen.
Jansen, Jacob E., Akron, and F. X. Werber, North Royalton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of cyclohexene-4-carboxylic acids. 2,653,167, Sept. 22.
Jansen, Leo M., assignee: *See*—
Osborne, Henry H.
Jansen, Pieter C., and G. Weehuizen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Television receiver. 2,647,255, July 28.
Janski, Eugene, Chicago, Ill. Protective shield for stove and like pipes. 2,629,370, Feb. 24.
Jansky, William: *See*—
Anderson, Carl J., Miller, and Jansky.
Jansö, Arvid, and A. Sand, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in spinning regulators. 2,652,681, Sept. 22.
Janson, George W.: *See*—
Blanton, William B., Currie, and Janson.
Janssen, Emil H.: *See*—
McHale, Clifford B., and Janssen.
Janssen, Oscar, assignor to Oscar Janssen Stainless Steel Tanks, Inc., St. Louis, Mo. Building for liquid storage. 2,656,709, Oct. 27.
Janssen, Oscar, assignor to Oscar Janssen Stainless Steel Tanks, Inc., St. Louis, Mo. Tank construction. 2,660,048, Nov. 24.
Janssen, Oscar, Stainless Steel Tanks, Inc., assignee: *See*—
Janssen, Oscar.
Janssens, Anna, Chicago, Ill. Patch holding device. 2,661,878, Dec. 8.
Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Device for interlocking arcing and disconnect contacts. 2,633,512, Mar. 31.
Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker with arc chute short circuiting sections of the arc. 2,639,353, May 19.
Jansson, Simon, assignee: *See*—
Hansson, Karl J.
Janszen, Arthur A., Cambridge, Mass. Electrostatic loudspeaker. 2,631,196, Mar. 10.
Jantsch, Emil, assignor to O. F. Gayton, Youngstown, Ohio. Heat exchange apparatus. 2,634,118, Apr. 7.
Jantsch, Emil, assignor to O. F. Gayton, Youngstown, Ohio. Tubular heat transfer apparatus. 2,663,321, Dec. 22.
Jantzen, William L., White Plains, assignor, by mesne assignments, to R. Weber, New York, N. Y. Garment shoulder pads, method and machine for making same. 2,627,368, Feb. 3.

Janusauskas, Anthony J., Waterbury, Conn. Chain and gear driven semiautomatic buffing machine. 2,626,487, Jan. 27.

Janusz, Roman N., assignee: *See*— Wellworth, Roger J.

Jaques, Norman D.: *See*— Cochran, John F., Middleton, and Jaques.

Jaquith, John S., Caldwell, assignor to Bendix Aviation Corporation, Teterboro, N. J. Unloader valve. 2,647,530, Aug. 4.

Jardine, George W., Waltham, Mass. Foot sling. 2,644,448, July 7.

Jardon, Fritz W., Charlton Depot, Mass., and A. D. Reudemann, Cleveland, Ohio, assignors of one-half to American Optical Company, Southbridge, Mass., and one-half to The Cleveland Clinic Foundation, Cleveland, Ohio. Artificial eye. 2,629,877, Mar. 3.

Jarman, James O., Colorado City, Tex. Fluid mixing chamber. 2,647,732, Aug. 4.

Jarmann, Alfred, Jr., Schodack Landing, N. Y. Variable ratio fluid transmission of the reciprocating piston type. 2,633,710, Apr. 7.

Jarmin, James B., Dallas, Tex. Stalk cutting device. 2,634,568, Apr. 14.

Järnland, Sven G. E., Bjornlunda, Sweden. Window. 2,632,927, Mar. 31.

Jaros, Edward F., Arcadia, assignor to Schoen Products Company, Gardena, Calif. Easel construction. 2,641,964, June 16.

Jaros, Stanley E.: *See*— Vickers, Herbert H., and Jaros.

Jarosenski, Louis, assignor of fifty per cent to S. Jarosenski, Pulaski, Wis. Hat attachment. 2,629,873, Mar. 3.

Jarosenski, Sylvester, assignee: *See*— Jarosenski, Louis.

Jarowski, Charles I., Flushing, and F. X. Murphy, Elmhurst, assignors to Chas. Pfizer & Co., Inc., New York, N. Y. Methylolstreptomycin. 2,637,724, May 5.

Jarrett, Chester C., and M. N. Griswold, Enumclaw, Wash. Jig for mortising doors and jambs. 2,659,159, Nov. 17.

Jarvie, Gustave E., Seattle, Wash. Siding ventilator. 2,634,463, Apr. 14.

Jarvis, Dixon T.: *See*— Krulikoski, Stanley J., Jr., and Jarvis.

Jarvis, George A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,639,382, May 19.

Jarvis, Jack, assignee: *See*— Schroeder, Henry L.

Jarvis, John, Dumont, assignor to Bendix Aviation Corporation, Teterboro, N. J. Null seeking system. 2,657,348, Oct. 27.

Jarvis, Thomas F.: *See*— Fribance, Austin E., and Jarvis.

Jasco, Incorporated, assignee: *See*— Sparks, William J., Gleason, and Frolich.

Jaskowski, Michael C.: *See*— Miller, James F., and Jaskowski.

Jasper, Herman H., Bloomington, Ill. Fishing rod holder. 2,658,650, Nov. 10.

Jasper, Richard N.: *See*— Simkins, Thomas R., and Jasper.

Jasper Wood Crafters, Inc., assignee: *See*— Thyen, Herbert E.

Jasse, Raymond, assignor to Societe dite: Centre d'Etudes M. B. A., Paris, France. Explosive drill. 2,628,559, Feb. 17.

Jaster, Erich H. E., Eggenfelden, Nuderbayren, Germany. Separable slide fastener. 2,652,611, Sept. 22.

Jatunn, Franklin W., Sacramento, Calif. Adjustable cutter bar for lawn mowers. 2,651,904, Sept. 15.

Javery, William A., Torrington, assignor to E. W. Plumb, Morris, Conn. Sliding snap hook. 2,656,580, Oct. 27.

Javor, George, assignor to Frigidweld, Inc., Chicago, Ill. Repairing metal castings. 2,649,650, Aug. 25.

Jawett, Joseph A.: *See*— Bierman, Daniel H., and Jawett. Bierman, Daniel H., Jawett, and Bierman.

Jay, Bernard: *See*— Jay, Carl, B., and J.

Jay, Carl B., and J., Philadelphia, Pa. Check valve with supplemental cam actuator. 2,641,437, June 9.

Jay, Jules: *See*— Jay, Carl, B., and J.

Jaye, Richard C., and J. F. Hirtz, assignors to Synchromatic Corporation, Watertown, Wis. Gas fired forced air flow air heating furnace. 2,658,504, Nov. 10.

Jaymac Systems, Incorporated, assignee: *See*— Nelson, Brooks E.

Jaymar Specialty Company, assignee: *See*— Enochs, Jerome D., and Brown.

Jeanlin, Pierre, assignor to Societe Le Teleampliphone, Paris, France. Electronic switch. 2,647,172, July 28.

Jeanneret, R., & Co., assignee: *See*— Jeanneret, Robert H.

Jeanneret, Robert H., Saint Imier, assignor to R. Jeanneret & Co., Excelsior Park, Saint Imier, Bern, Switzerland. Chronograph setting hammer system. 2,641,899, June 16.

Jeanneret, Robert H., Saint-Imier, assignor to R. Jeanneret & Co., Excelsior Park, Saint-Imier, Switzerland. Timepiece with chronograph. 2,641,900, June 16.

Jeannin, Robert A. A., Paris, assignor to Societe des Accumulateurs Fixes & de Traction, Romainville, France. Electrolytic cell and battery. 2,646,455, July 21.

Jeckell, Walter E., Hungtinton Park, assignor of one-half to D. E. Lane, South Gate, Calif. Detachable armrest shield. 2,633,186, Mar. 31.

Jedrziewski, Chester M., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Governor valve for variable pitch propellers. 2,636,566, Apr. 28.

Jedrzykowski, Edmund: *See*— Ferguson, Henry A., Boyle, and Jedrzykowski.

Jedrzykowski, Edmund, Chicago, Ill., assignor to International Harvester Company. Gas turbine. 2,635,804, Apr. 21.

Jedrzykowski, Edmund, Chciago, Ill., assignor to International Harvester Company. Turbine wheel. 2,638,312, May 12.

Jefferson Chemical Company, Inc., assignee: *See*— Malkemus, John D.

Jefferson, George D.: *See*— Schlatter, Carl, Eisen, and Jefferson.

Jefferson, Harold: *See*— Styrén, Knut O. I., and Jefferson.

Jefferson, Lorenz E., Baltimore, Md. Awning rope guide and pulley. 2,661,184, Dec. 1.

Jefferson Medical College of Philadelphia, The, assignee: *See*— Gibbon, John H., Jr., Malmros, Engstrom, and Barber.

Jefferson, Robert L.: *See*— Sprenger, John H., and Jefferson.

Jefferson Lake Sulphur Company, assignee: *See*— Miller, Ernest B.

Jeffery, Stephen J.: *See*— Martin, Flyodd A., and Jeffery.

Jeffrey Manufacturing Company, The, assignee: *See*— Crystal, John. Curley, Morton B. Kilbourne, James. Lee, Arthur L. Mercier, Stanley M. Moon, Sterling C. Steinmetz, Walter C. Tolman, Samuel L. Weggum, Gust. Whitney, Paul V. Wright, Fred J.

Jeffrey, Max L., Chagrin Falls, assignor to The National Acme Company, Cleveland, Ohio. Switch. 2,627,000, Jan. 27.

Jeffrey, Morris H., Seattle, Wash. Air cleaner. 2,660,261, Nov. 24.

Jeffreys, Roy A.: *See*— Aubert, Per, Jeffreys, and Knott.

Jeffreys, Roy A., and E. B. Knott, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitizing dyes containing a 2-thio-2,5(3,4)-thiazoledione nucleus. 2,656,353, Oct. 20.

Jeffries, Clyde C., and P. A. Jung, Flint, Mich. Work-supporting and -guiding fixture. 2,633,676, Apr. 7.

Jeger, Oskar: *See*— Ruzicka, Leopold, and Jeger.

Jelinek, Alfred F., assignor to The Cleveland Automatic Machine Company, Cincinnati, Ohio. Electrohydraulic system having a safety shutoff valve for its accumulator. 2,641,106, June 9.

Jelinek, Alfred F., and W. E. Gross, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio. Tool feed control. 2,629,468, Feb. 24.

Jelinek, Charles, Jr., Verona, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Sheet wrapper mechanism for facsimile machines. 2,647,034, July 28.

Jelks, Tom, Chickasha, Okla. Form for progressively molding concrete walls. 2,627,100, Feb. 3.

Jelliff, C. O., Mfg. Corporation, The, assignee: *See*— Jackson, John H., and Greenidge.

Jellinek, Ernest, Schenectady, N. Y., assignor to General Electric Company. Flame detection apparatus. 2,632,102, Mar. 17.

Jelling, Murray, Brooklyn, N. Y. Thermally stable bituminous bonding compositions. 2,663,648, Dec. 22.

Jellison, Clifford D., Upland, Calif. Plug. 2,660,197, Nov. 24.

Jellison, Ernest E., Twin Falls, Idaho. Motor vehicle wheel traction chain. 2,642,915, June 23.

Jendrisak, Joseph E.: *See*— Bamford, William P., and Jendrisak. Bamford, William P., Jendrisak, and White.

Jenett, Caroline L. M., executrix: *See*— Jenett, Henry.

Jenett, Henry, deceased, by C. L. M. Jenett, executrix, Montclair, N. J., assignor to Emhart Manufacturing Company, Hartford, Conn. Preparing a polyethylene dispersion and applying same to a polyethylene surface. 2,628,172, Feb. 10.

Jenin, Nicholas R.: *See*— Jenin, Peter, and N. R.

Jenin, Peter and N. R., Blue Island, Ill. Surfacing composition and method. 2,648,603, Aug. 11.

Jenison, Brandon S.: *See*— Chapman, Thomas J. C., Holtz, and Jenison.

Jenkins, Audrey L., Delhi, La. Gravity sample heater. 2,625,641, Jan. 13.

Jenkins, Charles F.: *See*— Purifoy, George R., and Jenkins.

Jenkins, Edward M., Somerville, and T. L. Acken, Jr., New Brunswick, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Unit partition wall construction. 2,660,270, Nov. 24.

Jenkins, George F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Producing an electrical wiring grid. 2,632,693, Mar. 24.

Jenkins, George F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gas burner having selectable primary air inlets. 2,648,378, Aug. 11.

Jenkins, George F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gas fueled pilot burner having a bimetallic primary air valve. 2,652,108, Sept. 15.

Jenkins, Jack, and I. B. Beren, assignors to Frontier Manufacturing Company, Dallas, Tex. Shipping container for turbine wheels. 2,652,147, Sept. 15.

Jenkins, Phil H., Columbus, Ohio. Turnover mechanism. 2,656,051, Oct. 20.

Jenkins, Ralph D., Bruce, Wis. Air circulating or ventilating unit. 2,635,524, Apr. 21.

Jenkins, Reginald T., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Clapper and gong assembly for telephone ringers. 2,658,193, Nov. 3.

Jenkins, Ronald O.: *See*— Britten, Leslie F., Jenkins, and Moss.

Jenkins, Roy H., Jr., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Bleaching cellulose derivatives. 2,662,884, Dec. 15.

Jenkins, Russell L., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Halogenated aromatic hydrocarbon dielectric containing diphenyl tin diethylate as a scavenger. 2,646,403, July 21.

Jenkins, Russell L., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Rendering cellulosic materials fire resistant with phosphorous oxychloride-anhydrous ammonia reaction products and products produced thereby. 2,661,311, Dec. 1.

Jenkins, Vance N.: *See*— Backlund, Peter S., and Jenkins.

Jenks, George M. T., St. Petersburg, Fla. Golf practicing apparatus. 2,626,151, Jan. 20.

Jenne, Kenneth C., assignor to Malleable Iron Fittings Company, Branford, Conn. Clamp for guy wires and the like. 2,643,425, June 30.

Jenne, Kenneth C., assignor to Malleable Iron Fittings Company, Branford, Conn. Guy hook for attachment to transmission line poles or the like. 2,643,428, June 30.

Jenne, Kenneth C., assignor to Malleable Iron Fittings Company, Branford, Conn. Cross arm supporting gain for attachment to transmission line poles. 2,662,714, Dec. 15.

Jennen, Jacob J., Antwerp, and O. H. Vandenbroele, Wilrijk-Antwerp, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Supersensitized photographic silver halide emulsions. 2,644,754, July 7.

Jenner, Arthur J., Arlington Heights, assignor of one-half to A. F. Szymborski, Chicago, Ill. Measuring device for spray applicators in prevention of offset and the like. 2,645,529, July 14.

Jenner, Ralph L., and C. D. Fiero, assignors to Lapp Insulator Company, Inc., Le Roy, N. Y. Guy insulator. 2,625,581, Jan. 13.

Jenney, George E., Jr., North Dartmouth, H. F. Philpard, Jr., and F. K. Brown, South Dartmouth; assignors to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Making driver bits. 2,627,192, Feb. 3.

Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making integral color correction masks. 2,633,422, Mar. 31.

Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mordanting. 2,635,535, Apr. 21.

Jennings, Arthur C.: *See*— Skense, Thomas J., Jennings, and Haught.

Jennings, Dorothea C., assignee: *See*— Conaway, Ernest A.

Jennings, Finley A.: *See*— Zelik, Joseph F., Jennings, and High.

Jennings, Frederic B.: *See*— Stimson, Allen G., Brynes, Jennings, and Taylor.

Jennings, Garland B., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rigid thermoplastic compositions comprising vinyl halide polymers with interpolymers of styrene and acrylonitrile. 2,646,417, July 21.

Jennings, Gerald P., and L. P. Meade, Bartlesville, Okla., assignors to Phillips Petroleum Company. Heat exchange assembly for centrifugal pumps. 2,632,395, Mar. 24.

Jennings, Harley Y., assignor to Dan River Mills, Incorporated, Danville, Va. Treating yarn, thread, and the like. 2,627,103, Feb. 3.

Jennings, Harry C.: *See*—. Everest, Herbert A., and Jennings.

Jennings, Harry C., Jr., Los Angeles, Calif. Apparatus for bending tubing. 2,650,636, Sept. 1.

Jennings, Henry G.: *See*— Stancliff, Gilbert L., Jr., and Jennings.

Jennings, James R.: *See*— Donnell, Robert, and Jennings.

Jennings, Jarvis S., assignor to Hoof Products Company, Chicago, Ill. Variable speed centrifugal governor for internal-combustion engines and the like. 2,646,269, July 21.

Jennings, John R., assignee: *See*— Logan, David J.

Jennings, Louis A.: *See*— Sage, Richard W., and Jennings.

Jennings, Milton S., New York, N. Y. Automatically operating machine for filling baked articles with fluid material. 2,625,119, Jan. 13.

Jennings, Paul A., Baltimore, Md., assignor to Armco Steel Corporation. High-temperature steel and articles. 2,657,130, Oct. 27.

Jennings, Roscoe C., Jr., Coraopolis, Pa. Draftsman's scale. 2,634,504, Apr. 14.

Jennings, Russell: *See*— Bunch, Peter, Mittomme, and Jennings.

Jennings, Victor E., Ripley, Tenn. Support for retractable ladder for vehicles. 2,642,217, June 16.

Jennings, Wendell W., San Francisco, Calif., assignor, by mesne assignments, to Morris Kenes, Stratford, Conn. Cigarette rest and extinguisher. 2,644,466, July 7.

Jennison, Arthur N., Keene, N. H. Collapsible box for carrying dogs. 2,654,498, Oct. 6.

Jenny, Albert C., assignor, by mesne assignments, to Hydraulic Systems, Inc., Cleveland, Ohio. Hydraulic starter drive. 2,653,577, Sept. 29.

Jenny, Walter, Reinach, near Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Acylamino alkylsulphone anthraquinone vat dyestuffs. 2,644,824, July 7.

Jenny, William P., Houston, Tex. Surface micromagnetic survey method. 2,635,134, Apr. 14.

Jensch, Heinrich, assignor to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Brüning, Frankfurt am Main Hochst, Germany. Bis-hydrazones. 2,655,538, Oct. 13.

Jensch, Heinrich, assignor to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Brüning, Frankfurt am Main Hochst, Germany. Bis-hydrazones. 2,655,539, Oct. 13.

Jensch, Heinrich, assignor to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Brüning, Frankfurt am Main Hochst, Germany. Bis-hydrazones. 2,655,540, Oct. 13.

Jensen, Adolph V., Council Bluffs, Iowa. Bed tent. 2,641,776, June 16.

Jensen, Amanda, assignee: *See*— Jensen, Joseph M.

Jensen, Carl T., Minneapolis, Minn., assignor to Wheeler Lumber Bridge and Supply Co., Des Moines, Iowa. Wood culvert having laminated wall sections. 2,657,713, Nov. 3.

Jensen, Charles B., assignor to Atmos Corporation, Chicago, Ill. Apparatus for smoking and curing food products. 2,640,414, June 2.

Jensen, Clarence F., assignor to Webster Electric Company, Racine, Wis. Multiple stylus pickup. 2,662,121, Dec. 8.

Jensen, Clifford S., Woodland, Calif. Pipe holster. 2,654,514, Oct. 6.

Jensen, Clifford W.: *See*— Jensen, Frank, C. W., and D.

Jensen, Dale: *See*— Jensen, Frank, C. W., and D.

Jensen, Emilie G., assignee: *See*— Lewis, Henry E.

Jensen, Ernest P.: *See*— Green, Ralph V., and Jensen.

Jensen, Frank, C. W., and D., Trenton, Utah. Landing net. 2,630,646, Mar. 10.

Jensen, Frederick H., Seattle, Wash. Fish fillet splitting and skinning machine. 2,645,812, July 21.

Jensen, Frederick W., assignor to Texas A. & M. Research Foundation, College Station, Tex. Determining the end point of a titration. 2,645,563, July 14.

Jensen, Garold K.: *See*— Hoffman, Philip A., and Jensen.

Jensen, Garold K., Pinecrest, Va., and J. E. McGeogh, Silver Spring, Md. Frequency meter. 2,627,033, Jan. 27.

Jensen, Garold K., Pinecrest, Va., and J. E. McGeogh, Silver Spring, Md. Dual-channel counting rate meter. 2,638,273, May 12.

Jensen, Garold K., and J. Benveniste, United States Navy. Squelch circuit. 2,638,543, May 12.

Jensen, Harry T., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic torque compensator. 2,644,534, July 7.

Jensen, Helge, Flushing, N. Y., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Meter mount. 2,631,210, Mar. 10.

Jensen, Henry E., Norristown, assignor to C & D Batteries, Inc., Conshohocken, Pa. Battery terminal post mounting. 2,627,533, Feb. 3.

Jensen, Jack H.: *See*— Rust, David J., and Jensen.

Jensen, James A., Haverford, assignor to Philadelphia Valve Company, Philadelphia, Pa. Hose reel. 2,631,063, Mar. 10.

Jensen, James L., Cowley, Wyo. Polishing and sanding device. 2,642,705, June 23.

Jensen, Johan G., and E. Johansen, Kristiansand, Norway. Combined level and square. 2,652,628, Sept. 22.

Jensen, Joseph M., Oakland, Calif., assignor to A. Jensen, deceased, C. S. Wood, executor. Reclining chair. 2,628,663, Feb. 17.

Jensen, Kaj H. F.: *See*—
Eliasen, Ernest A. B., and Jensen.

Jensen, Louis, Chicago, Ill., assignor to Uarco Incorporated. Assembling continuous-form stationery. 2,625,391, Jan. 13.

Jensen, Nels J.: *See*—
Swanback, John H., and Jensen.

Jensen, Povl E., Copenhagen, Valby, Denmark. Metal string for musical instruments. 2,641,949, June 16.

Jensen, Raymond W.: *See*—
Andersen, Soren K., and Jensen.

Jensen, Raymond W., assignor to The Garrett Corporation, Los Angeles, Calif. Combination pressure relief, vacuum relief, and dump valve. 2,641,985, June 16.

Jensen, Raymond W., assignor to The Garrett Corporation, Los Angeles, Calif. Submerged valve oil cooler. 2,653,797, Sept. 29.

Jensen-Salsbery Laboratories, Inc., assignee: *See*—
Austin, James A., and Ratcliff.

Jensen, Syvert M., assignor of one-half to C. E. Powers, Knoxville, Iowa. Carton opener. 2,624,936, Jan. 13.

Jensen, Warren L., assignor to Continental Oil Company, Ponca City, Okla. Production of thionophosphorus compounds. 2,662,917, Dec. 15.

Jenshak, Edward H., Green Bay, Wis. Boat anchor with sliding shackle. 2,651,277, Sept. 8.

Jenson, Kenneth S., and W. N. Nelson, assignors to Prentiss Wabers Products Company, Wisconsin Rapids, Wis. Door and drawer assembly for cooking ranges. 2,633,841, Apr. 7.

Jenson, Kenneth S., and F. W. Suhr, assignors to Preway Inc., Wisconsin Rapids, Wis. Oil burner baffle system. 2,652,889, Sept. 22.

Jenssen, Leif E.: *See*—
Clegg, Douglas, and Jenssen.

Jenssen, Leif E., Calastoga, and J. A. Warren, North Hollywood, Calif., assignors to Hughes Tool Company, Houston, Tex. Antirollback brake for boosters. 2,629,288, Feb. 24.

Jentsch, Edward, Clifton, N. J. Guide for yarn carriers. 2,656,692, Oct. 27.

Jentzen, George H., Hasbrouck Heights, N. J. Power-operated doll eye and lid mechanism. 2,660,830, Dec. 1.

Jepson, Ivar: *See*—
Graham, Bernard A., and Jepson.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Shaver and hair receiving compartment therefor. 2,648,898, Aug. 18.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Automatic coffee maker. 2,651,707, Sept. 8.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Cam released clutch. 2,658,597, Nov. 10.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Electric motor for shavers and the like. 2,662,194, Dec. 8.

Jerguson Gage & Valve Company, assignee: *See*—
Van Ham, Ernest E.

Jernigan, Paul S., Fort Worth, Tex. Water discharge fitting for fuel tanks and the like. 2,652,926, Sept. 22.

Jernstedt, George W., and J. D. Patrick, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating of copper from cyanide electrolytes. 2,636,850, Apr. 28.

Jernstrom, Karl W., Verona, N. J., assignor to Seaboard Machinery Corporation, New York, N. Y. Hatch cover. 2,655,889, Oct. 20.

Jernstrom, Karl W., Verona, N. J., assignor to Seaboard Machinery Corporation, New York, N. Y. Hinged wheel-supported hatch cover. 2,656,810, Oct. 27.

Jerome, Helen, assignee: *See*—
Jerome, Henry.

Jerome, Henry, Walsenburg, Colo., assignor by decree of distribution to H Jerome. Wringer spacer. 2,646,675, July 28.

Jervis Corporation, assignee: *See*—
Anderson, Lloyd L.
Anderson, Lloyd L., Waring, and Korb.
Korb, Anton W.

Jesnig, Charles J., Newtown Square, assignor to Duo-Vent Vacuum Closure Company, Philadelphia, Pa. Flexible bag for vacuum sealing. 2,638,263, May 12.

Jesonis, Alexander, Stratford, Conn. Machine for determining pipe contours in pipe joints. 2,625,741, Jan. 20.

Jespersen, Helgo W., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Broaching tool. 2,651,102, Sept. 8.

Jespersen, Holger J.: *See*—
Carroll, Ellsworth W., Edgemond, and Jespersen.

Jespersen, Paul W.: *See*—
Birr, Rudolph G., and Jespersen.

Jesse, William P.: *See*—
Benade, James M., Goodale, and Jesse.

Jesse, William P., Chicago, Ill., and J. W. Broxon, Boulder, and W. H. Hinch, Denver, Colo., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ballistic electrometer. 2,624,847, Jan. 6.

Jessee, Ralph D.: *See*—
Miner, John D., Jr., Austin, and Jessee.

Jessee, Ralph D., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic relay. 2,647,185, July 28.

Jessen, Charles C., Miami, Fla., assignor to Jacquard Knitting Machine Co., Inc., Philadelphia, Pa. Take-up. 2,663,174, Dec. 22.

Jessop, Frank W., Cleveland, Ohio. Load suspension link. 2,626,175, Jan. 20.

Jessup, James L., and H. H. Gotberg, Detroit, assignors to Colonial Broach Company, Warren Township, Mich. Involute checking fixture and tailstock mounting therefor. 2,652,665, Sept. 22.

Jessup, Richard O., Los Angeles, assignor to Marman Products Co., Inc., Inglewood, Calif. Flexible ventilated coupling. 2,628,851, Feb. 17.

Jester, Arthur W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Folding machine. 2,663,886, Dec. 29.

Jet-Heet, Inc., assignee: *See*—
MacCracken, Calvin D.

Jett, Alexander L.: *See*—
Berner, Leo, and Jett.

Jeudi, Gabriel, dit Jeudy, Paris, France. Production of hollow valves. 2,636,255, Apr. 28.

Jeudy, Gabriel: *See*—
Jeudi, Gabriel.

Jeunesse, Emile, assignor to A. R. Oliver, New Orleans, La. Mustard dispenser. 2,650,001, Aug. 25.

Jeurling, Sten A. W., Stockholm, Sweden. Apparatus for melting waxy compounds for spraying purposes. 2,641,676, June 9.

Jewel Tea Co., Inc., assignee: *See*—
Dusin, James, and Negrilla.

Jewell, Bernard W., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Air conditioning unit and apparatus for shipping. 2,661,836, Dec. 8.

Jewell, Gordon R., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Stake rack latch. 2,638,375, May 12.

Jewell, Howard W., assignor to Pacific Clay Products, Los Angeles, Calif. Resistant pipe and conduit construction. 2,637,346, May 5.

Jewell, William R., Erie, Pa., assignor to General Electric Company. Shelf assembly. 2,645,359, July 14.

Jewett, Charles S.: *See*—
Holben, Martin M., and Jewett.

Jewett, Charles S., Ramsey, N. J., assignor to Curtiss-Wright Corporation. Engine starting turbine having combustion element supplied thereto in response to speed and combustion chamber pressure. 2,631,426, Mar. 17.

Jewett, Deane N. and R. S., assignors to Detroit Hardware Manufacturing Company, Detroit, Mich. Closure lock. 2,660,875, Dec. 1.

Jewett, Richard S.: *See*—
Jewett, Deane N. and R. S.

Jewett & Sherman Company, assignee: *See*—
Stiehm, Glen W.

Jiffy Enterprises, Inc., assignee: *See*—
Margulis, Joseph M.

Jimenez, John: *See*—
Marks, Theodore, and J. and L. M. Jimenez.

Jiménez, Luis C., Panama, Panama. Typewriter page bottom margin indicator. 2,639,798, May 26.

Jimenez, Luis M.: *See*—
Marks, Theodore, and J. and L. M. Jimenez.

Jindela, William: *See*—
Davis, Michael, and Jindela.

Jindrich, Joseph, Marengo, Iowa. Agitating type stock feeder. 2,640,464, June 2.

Jirousek, Joseph F., assignor to The Chandler & Price Company, Cleveland, Ohio. Curved platen printing press. 2,639,667, May 26.

Jirsa, Emil F., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Operator's station structure for tractors. 2,644,538, July 7.

Jobb, Walter S., Cicero, Ill. Inking mechanism for printing presses. 2,655,104, Oct. 13.

Jobbins, William F., Incorporated, assignee: *See*—
Willmore, Charles B.

Jobert, Arthur H., assignor to The New Britain Machine Company, New Britain, Conn. Cross slide. 2,634,645, Apr. 14.

Jobert, Arthur H., assignor to The New Britain Machine Company, New Britain, Conn. Magazine stock reel. 2,646,087, July 21.

Jobert, Arthur H., assignor to The New Britain Machine Company, New Britain, Conn. Stock feed mechanism for bar machines. 2,659,127, Nov. 17.

Jobson, Frederic H., Atlanta, Ga. Container and cap therefor. 2,649,225, Aug. 18.

Jochem, Theodore B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Drive system for conveyers. 2,652,919, Sept. 22.

Jochem, Theodore B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Time delay relay. 2,656,434, Oct. 20.

Jochem, Theodore B., Wauwatosa, and H. L. Mekelburg, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Adjustable multiposition electrical controller. 2,661,401, Dec. 1.

Jochim, Anton M., Inverness, Mont., assignor to Minn-Kota Manufacturing Company, Moorhead, Minn. Rock picker. 2,636,328, Apr. 28.

Jockers, Harry W., Philadelphia, Pa., assignor to Palico, Inc., Hoboken, N. J. Gravity controlled liquid applying device. 2,630,593, Mar. 10.

Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay permutation-type switching system. 2,625,610, Jan. 13.

Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic accounting device. 2,630,269, Mar. 3.

Joel, Amos E., Jr., New York, and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic accounting device. 2,630,270, Mar. 3.

Joelson, Ronald A., Chetek, Wis. Multiple bore pulley assembly. 2,657,081, Oct. 27.

Joers, Carl F., Los Angeles, Calif. Ear treating apparatus. 2,652,048, Sept. 15.

Joesting, Frederick D.: *See*—
Hermanson, Henning S., and Joesting.

Joesting, Frederick D., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Self-cycling pneumatic control apparatus. 2,651,468, Sept. 8.

Joffe, Jack D., Hopewell, and L. J. Beckham, Bermuda District, Va., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparing oxamide. 2,646,448, July 21.

Joffre, Stephen P., Cedar Grove, assignor to Shulton, Inc., Clifton, N. J. Propenyl-guaethol and making same. 2,663,741, Dec. 22.

Joh. A. Benckiser, G. m. b. H., Chemische Fabrik, assignee: *See*—
Rudy, Hermann.

Johanek, George J., and T. J. Judge, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,651,711, Sept. 8.

Johannesen, George T., Mount Lebanon, Pa., assignor to Koppers Company, Inc. Production of diphenylamine. 2,656,389, Oct. 20.

Johannsen, Hans C.: *See*—
Johannsen, Solvej, and H. C.

Johannsen, Russel G., assignor, by mesne assignments, to Johannsen & Taylor, Inc., Detroit, Mich. Garage door supporting hardware. 2,652,584, Sept. 22.

Johannsen, Solvej, and H. C., Battenberg (Eder), Germany. Belt sanding machine. 2,651,891, Sept. 15.

Johannsen, Solvej and H. C., Battenberg an der Eder, Germany. Automatic target. 2,658,758, Nov. 10.

Johannsen & Taylor, Inc., assignee: *See*—
Johannsen, Russel G.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Bearing lubricating device. 2,629,639, Feb. 24.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Gap frame press 2,656,028, Oct. 20.

Johansen, Erling: *See*—
Jensen, Johan G., and Johansen.

Johansen, Frank M., Madison, Wis. Apparatus and method of ice-cream bar manufacture. 2,629,346, Feb. 24.

Johansen, Johannes P., Hampson, assignor of one-half to S. L. Johansen, Dumont, Iowa. Farrowing pen. 2,630,097, Mar. 3.

Johansen, Rolf J., assignor to Aktiebolaget Kamyr, Karlstad, Sweden. Inclined rotary vacuum filter. 2,663,432, Dec. 22.

Johansen, Selmar L., assignee: *See*—
Johansen, Johannes P.

Johanson, Bengt J., assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical connector. 2,641,747, June 9.

Johanson, John E.: *See*—
Drake, Frederick H., and Johanson.

Johanson, Knut, Montigny-les-Cormeilles, assignor, by mesne assignments, to Société Anonyme so-called: Compagnie Electro-Mecanique, Paris, France. Mounting and fixing of turbo-machine fixed blades. 2,658,719, Nov. 10.

Johansson, August V., Erie, Pa., assignor to General Electric Company. Power circuit control system. 2,626,362, Jan. 20.

Johansson, August V., Erie, Pa., assignor to General Electric Company. Dynamic braking control system. 2,627,597, Feb. 3.

Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Device for insulating a jack. 2,643,362, June 23.

Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Meter box and cover. 2,651,008, Sept. 1.

Johansson, Fredrik A., Nockeby, Stockholm, and A. Käll, Appelviken, Stockholm, Sweden. Mixing valve. 2,646,821, July 28.

Johansson, Göte, Nykoping, Sweden. Device in Venetian blinds or the like. 2,645,283, July 14.

Johansson, Johan E., assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Internal-combustion engine and pneumatic transmission drive. 2,648,189, Aug. 11.

Johansson, Karl L.: *See*—
Claesson, Per H. E., and Johansson.

Johansson, Karl L., Bromma, Sweden. Electromagnetic relay. 2,664,478, Dec. 29.

Johansson, Karl L. B., assignor of part interest to G. G. Edstrom, Jonkoping, Sweden. Log classifying machine. 2,657,785, Nov. 3.

John, Frank T., and J. B. Cannon, Jr., assignors to The Pennsylvania Research Corporation, State College, Pa. Recording apparatus. 2,625,459, Jan. 13.

Johneas, Paul, assignee: *See*—
Kelly, John D.

Johns, Charles K.: *See*—
Hill, Charles, and Johns.

Johns, Francis J., and A. Jokl, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Skewed stator construction. 2,650,316, Aug. 25.

Johns, Henry S., Cleveland Heights, and W. H. Johns, Gates Mills, Ohio. Pin retaining means for bowling alleys. 2,652,253, Sept. 15.

Johns-Manville Corporation, assignee: *See*—
Glazebrook, James R., and Wille.
Graybeal, Bruce A.
Jenkins, Edward M., and Acken.
Leistensnider, George P.
Miles, William S.
Palumbo, Henry J.
Pittenger, Howard R., Jr., and Verschoor.
Powell, Edward R.
Ramm, Joseph L.
Siering, Robert L.
Siering, Robert L., and Ford.
Simkins, Thomas R., and Jasper.
Smolak, George, and Dyer.
Spell, Sidney, and Powell.
Steele, Harmon.

Johns, Stanley S., Baltimore, Md., assignor to Rheem Manufacturing Company, Richmond, Calif. Apparatus for processing interior surfaces of tubular articles and the like. 2,634,703, Apr. 14.

Johns, Wilfred E., Rockford, Ill., assignor to Sundstrand Machine Tool Co. Valve with self-contained stem centering device. 2,634,086, Apr. 7.

Johns, William H.: *See*—
Johns, Henry S. and W. H.

Johnsen, Henry H., Notodden, assignor to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Producing concentrated formic acid. 2,628,976, Feb. 17.

Johnsen, Iver, Jr., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Load bracing means. 2,640,442, June 2.

Johnsen, Sherman E. J., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Apparatus for refractometry utilizing photoelements. 2,649,014, Aug. 18.

Johnson A., & Company (London) Limited, assignee: *See*—
Lindhe, John H. O.
Porges, Leo, and Sawyer.

Johnson, Agnar, assignor to Atwood Vacuum Machine Company, Rockford, Ill. Seat slide latching mechanism. 2,636,545, Apr. 28.

Johnson, Albert, Los Angeles, Calif. Sanitary device. 2,640,484, June 2.

Johnson, Albert, New York, N. Y. Uniform tensioning device. 2,640,655, June 2.

Johnson, Albin L.: *See*—
Rideout, Arthur E., Holstebroe, and Johnson.

Johnson, Alfred W., Chicago, Ill. Fruit juicer. 2,624,271, Jan. 6.

Johnson, Alvin L., Worcester, Mass. Wood joint connector. 2,654,923, Oct. 13.

Johnson, Alvin L., Worcester, Mass. Combined stroller and high chair. 2,664,144, Dec. 29.

Johnson, Ancle L., Indianapolis, Ind. Magnetic coupling. 2,645,878, July 21.

Johnson, Andrew: *See*—
Antonioli, Peter, Jr., and Johnson.

Johnson, Andrew G., Lakewood, and T. A. St. Clair, East Cleveland, assignors to The Weatherhead Company, Cleveland, Ohio. Transfer check valve. 2,627,388, Feb. 3.

Johnson, Andrew G., Lakewood, and T. A. St. Clair, South Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Cylinder valve. 2,659,565, Nov. 17.

Johnson, Arnold E., New Canada Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape applying movement. 2,652,166, Sept. 15.

Johnson, Arnold R., Underwood, N. Dak. Knife sharpening and grinding attachment. 2,640,303, June 2.

Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,652,477, Sept. 15.

Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Steam iron. 2,654,167, Oct. 6.

Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,657,297, Oct. 27.

Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Steam iron. 2,662,316, Dec. 15.

Johnson, Arthur B., Jr., Maywood, assignor to Furnas Electric Company, Batavia, Ill. Oiltight switchboard pilot light. 2,640,189, May 26.

Johnson, Arthur C., Breedsville, Mich. Dispensing container for fishing leaders. 2,656,131, Oct. 20.

Johnson, Arthur C., San Marino, Calif. Arm mounting for tool operating motors. 2,627,880, Feb. 10.

Johnson, Arthur F., Boulder, Colo. Method of concrete construction. 2,629,135, Feb. 24.

Johnson, Arthur W., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Boring machine. 2,640,376, June 2.

Johnson, Ava J., Oakland, assignor to Shell Development Company, Emeryville, Calif. Hydrogen halide production. 2,664,342, Dec. 29.

Johnson, Ava J., Oakland, and A. J. Chernlavsky, assignors to Shell Development Company, San Francisco, Calif. Hydrogen chloride oxidation. 2,644,846, July 7.

Johnson, Axel A., Holly, Mich. Wax applicating and dispensing unit. 2,653,335, Sept. 29.

Johnson, Axel A., Holly, Mich. Wax applicating and dispensing unit. 2,653,338, Sept. 29.

Johnson, Axel, and A. S. Page, Portland, Oreg. Automatic emergency valve control for air hoses and the like. 2,661,764, Dec. 8.

Johnson Bronze Company, assignee: *See*—
Wright, Stephen W., and Love.

Johnson, Bruce B., Pasadena, Calif. Hydraulic jet marine propulsion system. 2,636,467, Apr. 28.

Johnson, C. S., Company, The, assignee: *See*—
Appel, Theodore B., Jr.

Johnson, Carl A., assignor to W. M. Welch Manufacturing Company, Chicago, Ill. Attachment for vascular recording apparatus. 2,634,611, Apr. 14.

Johnson, Carl A. P., assignor to S. H. Couch Company, Inc., North Quincy, Mass. Cover securing means for wall boxes. 2,652,171, Sept. 15.

Johnson, Carl E.: *See*—
Harban, Arthur A., and Johnson.
Welliver, Lawrence G., and Johnson.
Wolff, William F., and Johnson.

Johnson, Carl E., Westchester, assignor to National Aluminate Corporation, Chicago, Ill. Ion exchange resins from formaldehyde and the reaction product of a chloromethylated polynuclear hydrocarbon and a basic tertiary amine. 2,658,042, Nov. 3.

Johnson, Carl E., and E. Mendenhall, San Marino, assignors to Sterling Electric Motors, Inc., Los Angeles, Calif. Power transmission. 2,631,462, Mar. 17.

Johnson, Carl G. A., Jr., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve. 2,631,907, Mar. 17.

Johnson, Carl G. A., Jr., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley pole. 2,644,862, July 7.

Johnson, Carl L., Rockford, Ill. Dowel pin cutting and beveling machine. 2,639,739, May 26.

Johnson, Carl R., assignor to F. A. Putnam Mfg. Co. Inc., Keene, N. H. Inking type of printing machines with quick-drying ink. 2,653,540, Sept. 29.

Johnson, Carl W., Minneapolis, Minn. Bookmark. 2,630,777, Mar. 10.

Johnson, Cecil C., Kermit, Tex. Emulsion treater. 2,656,925, Oct. 27.

Johnson, Charles A., Berlin, N. H. Wood chipper disk with radially oriented knives of graduated bevels. 2,655,319, Oct. 13.

Johnson, Charles A., Berlin, N. H. Knife blade mounting for chippers. 2,657,723, Nov. 3.

Johnson, Charles A., East Twickenham, assignor to Electric & Musical Industries Limited, Hayes, England. Generation of picture signals for television transmission. 2,655,554, Oct. 13.

Johnson, Charles B., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valve body. 2,649,274, Aug. 18.

Johnson, Charles E., assignor of one-half to P. D. Smith, Degraff, Ohio. Base for knockdown stands. 2,662,713, Dec. 15.

Johnson, Charles E., North Muskegon, assignor to Johnson Products, Inc., Muskegon, Mich. Self-adjusting tappet. 2,644,437, July 7.

Johnson, Charles H.: *See*—
Godfriaux, Louis E., and Johnson.
Leifer, Lorenz A., and Johnson.

Johnson, Charles H., assignor to Gisholt Machine Company, Madison, Wis. Semiautomatic turret lathe. 2,659,960, Nov. 24.

Johnson, Charles M., Tacoma, Wash. Dish holder for kitchen cupboards. 2,633,997, Apr. 7.

Johnson, Charles R., Longmeadow, Mass., assignor to Bigelow-Sanford Carpet Company, Inc., Thompsonville, Conn. Nonwoven soft-surface floor covering and method and apparatus for producing the same. 2,638,959, May 19.

Johnson, Charles R., Glen Mills, Pa., and E. H. Schmidt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting initiator loading machine. 2,660,914, Dec. 1.

Johnson, Charles S.: *See*—
Johnson, Leonard G. and C. S.

Johnson, Chester F., Los Angeles, Calif. Masonry anchor bolt. 2,643,573, June 30.

Johnson, Chester W.: *See*—
Brown, Ethan A., and Johnson.

Johnson, Christopher L., Allestree, Derby, assignor to Rolls-Royce Limited, Derby, England. Fuel metering system for internal-combustion engines. 2,627,906, Feb. 10.

Johnson, Clarence: *See*—
Eschenburg, William A., Pettigrew, and Johnson.

Johnson, Clarence, Cleveland, Ohio. Thermostatic fluid coupling mechanism. 2,633,697, Apr. 7.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Tool controlling fluid valve. 2,624,540, Jan. 6.

Johnson, Clarence, Orfordville, Wis., assignor to Bailey Meter Company. Machine tool control. 2,634,644, Apr. 14.

Johnson, Clarence, Orfordville, Wis. Valve mechanism. 2,664,266, Dec. 29.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Fluid distributing valve. 2,630,135, Mar. 3.

Johnson, Clarence A., Guthrie, Minn. Undergrowth destroyer. 2,663,131, Dec. 22.

Johnson, Clarence B., Long Beach, Calif. Baby seat. 2,624,395, Jan. 6

Johnson, Clarence J., Holmen, assignor to Outers Laboratories, Inc., Onalaska, Wis. Seed planter. 2,663,462, Dec. 22.

Johnson, Claude W., Berkeley, assignor, by mesne assignments, to Trendicator Systems Co., San Francisco, Calif. Control board. 2,629,184, Feb. 24.

Johnson, Claude W., Berkeley, Calif., assignor to Trendicator Systems Co. Visual control board. 2,649,790, Aug. 25.

Johnson, Claude W., Berkeley, Calif. Apparatus for aligning and sorting sheets of paper, etc., and parts therefor. 2,650,109, Aug. 25.

Johnson, Clyde W., Islington, Mass., assignor, by mesne assignments, to A. B. Dick Company, Niles, Ill. Sheet controlled rotary printing press. 2,651,990, Sept. 15.

Johnson, Curt I.: *See*—
Gardinor, Elliott W., Johnson, and Lamb.

Johnson, Curt I., Vestal, and J. A. Nord, Johnston City, assignors to International Business Machines Corporation, New York, N. Y. Spring coiling device. 2,650,638, Sept. 1.

Johnson, Daniel R., Los Angeles, Calif. Chair structure. 2,649,901, Aug. 25.

Johnson, David A., St. Joseph, Mich., assignor to Whirlpool Corporation. Washing machine provided with planetary drive means. 2,627,741, Feb. 10.

Johnson, David L., Syracuse, N. Y. Isolation and purification of streptomycin phosphate. 2,643,997, June 30.

Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Rotary selector switch with bias. 2,642,502, June 16.

Johnson, Dayton L., assignee: *See*—
Wieczorek, Joseph.

Johnson, Donald U., assignor of one-third to C. W. Dyer, Stratton, Maine. Intermittently actuated portable signal. 2,634,407, Apr. 7.

Johnson, Douglas: *See*—
Fagg, Leo W., and Johnson.
Stockdale, Charles H., and Johnson.

Johnson, Douglas, Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shaft seal apparatus. 2,639,171, May 19.

Johnson, Earl B., Freehold, N. J. Automatic watering fountain. 2,662,503, Dec. 15.

Johnson, Edgar B., and J. F. Webster, Spondon, near Derby, England, assignors to British Celanese Limited. Wet-spinning cellulose triacetate. 2,657,973, Nov. 3.

Johnson, Edward H., assignor to The Keelavite Company Limited, Coventry, England. Hydraulic pump and motor. 2,638,848, May 19.

Johnson, Edward O., Princeton, N. J., assignor to Radio Corporation of America. Control electrode-anode structure for gas discharge devices. 2,660,685, Nov. 24.

Johnson, Edward W.: *See*—
Lehane, Timothy J., and Johnson.

Johnson, Edwin H., assignor to Jandor Incorporated, Dayton, Ohio. Window lock. 2,634,146, Apr. 7.

Johnson, Edwin L., Ottawa, Kans., and E. J. Scofield, Cabimas, Estado Zulia, Venezuela. Live bait container. 2,656,640, Oct. 27.

Johnson, Elmer, Middlesboro, Ky. Bottle handling device. 2,655,402, Oct. 13.

Johnson, Elmer C., assignor to The Vendo Company, Kansas City, Mo. Bottle vending machine. 2,634,847, Apr. 14.

Johnson, Elmer E., Sausalito, Calif. Holder for pot covers or the like. 2,662,717, Dec. 15.

Johnson, Elmer E., Jr., Wellesley, Mass. Sprinkler head. 2,631,889, Mar. 17.

Johnson, Elmer J., assignee: *See*—
Wieczorek, Joseph.

Johnson, Elmer L., assignor to Bell & Howell Company, Chicago, Ill. Automatic sheet feeding mechanism. 2,626,148, Jan. 20.

Johnson, Elmer L., assignor to Bell & Howell Company, Chicago, Ill. Automatic sheet separating and feeding mechanism. 2,652,248, Sept. 15.

Johnson, Elmer L., Pearisburg, and C. R. Delagrange, Ripplemead, Va., assignors to Celanese Corporation of America, New York, N. Y. Textile apparatus. 2,646,937, July 28.

Johnson, Elmer M., Lafox, Ill. Adjustable stand for rug hooking or embroidery hoops or the like. 2,655,335, Oct. 13.

Johnson, Emil C., Manchester, Conn., assignor to H. F. Livermore Corporation, Allston, Mass. Boss for dobby jacks. 2,646,824, July 28.

Johnson, Eric A., Malvern, assignor to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Data transmission system. 2,630,481, Mar. 3.

Johnson, Eric A., Malvern, assignor to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Data decoding system. 2,630,552, Mar. 3.

Johnson, Eric A., Malvern, assignor to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Data encoding system. 2,630,562, Mar. 3.

Johnson, Eric C.: *See*—
Davis, Howard G., Jr., Durette, and Johnson.
Morris, Thomas C., and Johnson.

Johnson, Ernest A., Duluth, Minn. Retractable tool handle. 2,632,489, Mar. 24.

Johnson, Ernest W.: *See*—
Weinberg, Elliott L., and Johnson.

Johnson, Ervin G., assignee: *See*—
Curtis, Hazel S.

Johnson, Ervin G., Eureka, Calif. Time system. 2,648,832, Aug. 11.

Johnson, Ervin G., Oakland, Calif. Hydraulic expansion device. 2,649,691, Aug. 25.

Johnson, Eugene A., Great Falls, Mont. Tornado proof building. 2,649,625, Aug. 25.

Johnson, Everett A., assignee: *See*—
Morrow, John H., and Fenyvessy.

Johnson-Fagg Engineering Company, assignee: *See*—
Fagg, Leo W., and Johnson.

Johnson Fare Box Company, assignee: *See*—
Schommer, Oliver J.
Toepper, Otto W.

Johnson, Floyd A., Price, Utah. Electrolytes for wet-cell storage batteries. 2,649,766, Aug. 25.

Johnson, Floyd K., Miamisburg, assignor to The Monarch Marking System Company, Dayton, Ohio. Price marking label having pressure sensitive adhesive thereon. 2,636,297, Apr. 28.

Johnson, Ford L., and F. M. Mayes, Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Elevation meter. 2,647,323, Aug. 4.

Johnson, Frank, Detroit, Mich. Small animal incubator. 2,627,841, Feb. 10.

Johnson, Fred H., assignee: *See*—
Poulsen, Axel I.

Johnson, Fred I., Sheboygan, Wis., assignor to Reiss Manufacturing Corporation, Wilmington, Del. Boring or drilling machine and work holding clamp. 2,640,515, June 2.

Johnson, Frederick H., Pleasant Ridge, Mich. Valve structure. 2,658,523, Nov. 10.

Johnson, Frederick M., and L. J. Bulliet, Rockford, assignors to Odin Corporation, Chicago, Ill. Can sorting machine. 2,657,799, Nov. 3.

Johnson, Frederick O., Chicago, Ill. Control device. 2,626,999, Jan. 27.

Johnson, Frederick O., Chicago, Ill. Control device. 2,646,487, July 21.

Johnson Gage Company, The, assignee: *See*—
Johnson, Paul W.

Johnson, George C.: *See*—
Francis, Alfred W., and Johnson.

Johnson, George C., Los Angeles, Calif. Exercising device. 2,648,332, Aug. 11.

Johnson, George C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Pinyl thiophene. 2,658,901, Nov. 10.

Johnson, George C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thiophene polymers. 2,658,902, Nov. 10.

Johnson, George W., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Method and means for folding shirts. 2,629,520, Feb. 24.

Johnson, George W., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine with vacuum drying. 2,641,916, June 16.

Johnson, George W., and J. R. Petre, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Power means for folding shirts. 2,629,521, Feb. 24.

Johnson, Glen A., Connorsville, Ind. Light-beam-rectifying lens. 2,653,516, Sept. 29.

Johnson, Glenn D., Holden, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric filling stop motion for narrow ware looms. 2,650,625, Sept. 1.

Johnson, Gordon B.: *See*—
Darragh, John L., and Johnson.

Johnson, Gordon, Company, assignee: *See*—
Johnson, Gordon W.
Zebarth, Ralph S.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Egg washer. 2,634,442, Apr. 14.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry chilling apparatus. 2,637,066, May 5.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry plucking machine. 2,637,067, May 5.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Egg washing machine. 2,640,209, June 2.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry picking machine. 2,641,796, June 16.

Johnson, Harold I., Hampton, Va. Control mechanism for aircraft surfaces. 2,628,044, Feb. 10.

Johnson, Harold L., Detroit, Mich. Oil separator. 2,644,584, July 7.

Johnson, Harold R., Rockford, Ill., assignor, by mesne assignments, to The Porter-Cable Machine Company, Syracuse, N. Y. Portable rubbing machine. 2,635,396, Apr. 21.

Johnson, Harry, Elizabeth, assignor to Ralph C. Coxhead Corporation, Newark, N. J. Rear-strike typewriter mechanism. 2,664,184, Dec. 29.

Johnson, Harry A., Omaha, Nebr. Adjusting injectors. 2,642,047, June 16.

Johnson, Harry N., assignor to The Greist Manufacturing Company, New Haven, Conn. Blind stitcher. 2,646,015, July 21.

Johnson, Harvey P., Doniphan, Mo. Animal restraining chute. 2,653,573, Sept. 29.

Johnson, Harwick, Princeton, and K. R. De Remer, Princeton Junction, N. J., assignors to Radio Corporation of America. Thermionic noise source. 2,637,003, Apr. 28.

Johnson, Henry, Montreal, Quebec, Canada. Fourdrinier wire having reinforced coated marginal portions. 2,659,958, Nov. 24.

Johnson, Herbert C.: *See*—
Christian, Raymond A., Johnson, and Williams.
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.

Johnson, Herbert L.: *See*—
Mills, Ivor W., and Johnson.

Johnson, Herbert L., and A. P. Stuart, Media, assignors to Sun Oil Company, Philadelphia, Pa. Molybdenum disulfide containing hydrogenation catalyst. 2,649,419, Aug. 18.

Johnson, Hilding R.: *See*—
Klein, David X., Girard, and Johnson.

Johnson, Homer F., Jr., Union, N. J., assignor to Standard Oil Development Company. Recovery of cyclopentadiene. 2,636,054, Apr. 21.

Johnson, Howard O., Perris, Calif. Refrigerated display case. 2,640,330, June 2.

Johnson, Howard R., Pound Va. Multipositioned liquid switch. 2,640,890, June 2.

Johnson, JB, assignor of twenty-four per cent to W. C. Thompson, and twenty-four per cent to P. Morris, Tyler, Tex. Diaphragm pump. 2,631,538, Mar. 17.

Johnson, JB, assignor of 24% to W. C. Thompson and 24% to P. Morris, Tyler, Tex. Refrigeration system for vehicles. 2,655,009, Oct. 13.

Johnson, J. Leonard, and C. M. Williamson, assignors to Sears, Roebuck and Co., Chicago, Ill. Switch mechanism for wheeled vehicles. 2,630,480, Mar. 3.

Johnson, J. W., Company, assignee: *See*—
Herman, John.

Johnson, James B., assignor to The W. B. Marvin Manufacturing Company, Urbana, Ohio. Room ventilating device. 2,658,441, Nov. 10.

Johnson, James E.: *See*—
Williams, Harry M., and Johnson.

Johnson, James P., Shaker Heights, Ohio. Controlled pressurizing of pumps. 2,639,672, May 26.

Johnson, James P., Shaker Heights, Ohio. Gear motor or pump. 2,639,694, May 26.

Johnson, James P., Shaker Heights, Ohio. Rotary pump. 2,648,289, Aug. 11.

Johnson, Jeners S., Los Angeles, Calif. Rotary drill. 2,634,955, Apr. 14.

Johnson, Joe M., near Iowa Park, Tex. Valve. 2,642,262, June 16.

Johnson, Johan S., assignor to Bigelow-Garvey Lumber Co., Chicago, Ill. Packing crate. 2,651,431, Sept. 8.

Johnson, John, Brockton, Mont. Toggle actuated plier wrench. 2,643,567, June 30.

Johnson, John, Slough, assignor to Combined Optical Industries Limited, Buckinghamshire, England. Production of lenses from transparent plastics. 2,640,227, June 2.

Johnson, John, Spokane, Wash. Fuel system for aircraft propulsion means. 2,652,686, Sept. 22.

Johnson, John A.: *See*—
Eide, Ole J., Johnson, and Milkwick.

Johnson, John C., East Hempstead, N. Y., and W. H. Johnson, Newmanstown, Pa. Apparatus for sorting and feeding receptacle closure caps. 2,656,807, Oct. 27.

Johnson, John D., Detroit, Mich. Bearing and seal assembly. 2,630,356, Mar. 3.

Johnson, John L., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio frequency coupling apparatus. 2,656,517, Oct. 20.
Johnson, John M., Floodwood, Minn. Angularly adjustable boom-suspended bucket. 2,651,424, Sept. 8.
Johnson, John M., Shawnee, Kans., assignor of one-half to R. R. Beane, Kansas City, Mo. Battery terminal clamp. 2,661,463, Dec. 1.
Johnson, John R., Dunn, N. C. Medicament applicator. 2,647,512, Aug. 4.
Johnson, John W., Minneapolis, Minn. Gun-type flashlight holder. 2,644,936, July 7.
Johnson & Johnson, assignee: *See*—
Bartle, George R.
Caldwell, Carlyle G., White, George, and Eberl.
Eberl, James J., and Ingram.
Fisher, Harland S., and Beck.
Morgan, Burton D.
Reynolds, Frank J.
Schaefer, Robert J.
Johnson, Joseph N., Oakland, Calif. Power grip bead breaker for tires. 2,649,902, Aug. 25.
Johnson, Julius E., Jr., assignor to The Dow Chemical Company, Midland, Mich. Composition for control of coccidial infection. 2,628,183, Feb. 10.
Johnson, Kenneth M., Ashland, Ky. Retainer for electrical attachment plugs. 2,659,059, Nov. 10.
Johnson, Kenneth W., Dayton, Ohio. Variable duration shock testing machine. 2,645,931, July 21.
Johnson, Kermit F.: *See*—
La Mere, Frank J., Johnson, and Winzen.
Johnson, Kermit F., F. J. La Mere, and O. C. Winzen, Minneapolis, Minn., assignors to General Mills, Inc. Welding apparatus. 2,660,218, Nov. 24.
Johnson, Lee B., Los Angeles, Calif. Electric pulse operated motor. 2,662,987, Dec. 15.
Johnson, Lee N., Seattle, Wash. Antiskid tire chain. 2,646,099, July 21.
Johnson, Lee S., Tulsa, Okla. Gin pole and universal top assembly therefor. 2,644,666, July 7.
Johnson, Leon D.: *See*—
Harland, Philip W., and Johnson.
Johnson, Leonard G., Fergus Falls, Minn. Hem guide. 2,638,672, May 19.
Johnson, Leonard G. and C. S., Springfield, Oreg. Removable sink dividing partition. 2,651,784, Sept. 15.
Johnson, Lloyd A., Woodside, assignor to National Motor Bearing Company, Inc., Redwood City, Calif. Guard bearing. 2,657,102, Oct. 27.
Johnson, Lloyd A., Atherton, F. A. Helfrecht, and H. T. Stewart, assignors to National Motor Bearing Co., Inc., Redwood City, Calif. Fluid seal. 2,626,169, Jan. 20.
Johnson, Lloyd A., Woodside, E. D. Mosher, and C. A. Stephens, Palo Alto, assignors to National Motor Bearing Co., Inc., Redwood City, Calif. Seal for railroad journals. 2,657,080, Oct. 27.
Johnson, Lloyd E.: *See*—
Best, Cleafe A., and Johnson.
Denison, Henry W., and Johnson.
Johnson, Lloyd E., Parma, assignor to Sparks-Withington Company, Jackson, Mich. Universal mounting for tension disk for air horns. 2,642,028, June 16.
Johnson, Lloyd F., and R. T. Tennant, Portland, Oreg. Fingerprinting machine. 2,629,194, Feb. 24.
Johnson, Louis W., and W. G. Saunders, Eugene, Oreg., said Saunders assignor to said Johnson. Hand-guided and chain-driven bark-removing tool. 2,637,357, May 5.
Johnson, Malcolm S.: *See*—
Sweger, Theodore J., and Johnson.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Draft key retainer locking device. 2,627,198, Feb. 3.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brakehead wear plate retainer. 2,627,326, Feb. 3.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Lading tie anchor. 2,661,704, Dec. 8.
Johnson, Malcolm S., Flossmoor, assignor to Illinois Railway Equipment Company, Chicago, Ill. Lading tie anchoring means for application. 2,660,130, Nov. 24.
Johnson, Malcolm S., and H. E. Ray, assignors to Central Railway Supply Company, Chicago, Ill. Pipe anchor means. 2,661,919, Dec. 8.
Johnson, Martin A., Baton Rouge, La., assignor to Kaiser Aluminum & Chemical Corporation. Alumina hydrate crystallization. 2,657,978, Nov. 3.
Johnson, Marvin B., Montgomery, Ala. Mount and means for supporting and orienting optical devices. 2,656,764, Oct. 27.
Johnson, Matthey & Company Limited, assignee: *See*—
Kerridge, Frank E., Belham, and Pearce.
Johnson, Melvin M., trustee, assignee: *See*—
Johnson, Melvin M., Jr.
Johnson, Melvin M., Jr., assignor to Olin Industries, Inc., New Haven, Conn. Magazine-conversion unit for firearms. 2,642,688, June 23.
Johnson, Melvin M., Jr., Brookline, assignor to M. M. Johnson and M. M. Johnson, Jr., trustees of the Johnson Patent Trust, Boston, Mass. Automatic gun. 2,655,837, Oct. 20.
Johnson, Melvin S., Moon Run, Pa. Automatic coffee maker. 2,663,248, Dec. 22.
Johnson, Merriam E., assignor to Eastman Kodak Company, Rochester, N. Y. Vacuum pump. 2,639,085, May 19.
Johnson, Milton C., Co., assignee: *See*—
Busse, Herman.
Johnson, Montgomery H.: *See*—
Hansen, William W., and Johnson.
Johnson, Moses L., assignor of forty-nine per cent to M. D. Mazursky, Sumter, S. C. Tractor wheel guard. 2,645,503, July 14.
Johnson, Myron A. C., Coral Gables, and J. Toth, Hialeah, Fla. Flying toy with vibrating strands. 2,624,153, Jan. 6.
Johnson, Myron A. C., Coral Gables, and J. Toth, Hialeah, Fla. Flying saucer toy. 2,640,296, June 2.
Johnson, Olaf A., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Geneva mechanism. 2,625,833, Jan. 20.
Johnson, Oliver, assignor to F. Gavin, Absaraka, N. Dak. Trailer hitch and support. 2,631,862, Mar. 17.
Johnson, Orvin S., El Segundo, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Anatomical knee. 2,638,605, May 19.
Johnson, Oscar W.: *See*—
Best, Leon H., and Johnson.
Johnson, Otis M., Dallas, Tex. Constant temperature gas heater. 2,626,599, Jan. 27.
Johnson Patent Trust, the trustee, assignee: *See*—
Johnson, Melvin M., Jr.
Johnson, Paul, Elyria, assignor to The Thew Shovel Company, Lorain, Ohio. Pressure fluid, follow-up type servomotor. 2,661,723, Dec. 8.
Johnson, Paul E.: *See*—
Müller, Ferdinand H., and Johnson.
Johnson, Paul R., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Dyes of the dibenzanthrone series. 2,662,892, Dec. 15.
Johnson, Paul S., Washington, D. C., and L. E. Spray, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Hot bearing indication apparatus. 2,628,344, Feb. 10.
Johnson, Paul W., assignor to The Johnson Gage Company, Bloomfield, Conn. Screw thread gauge for root and crest measurements relative to the pitch line. 2,624,125, Jan. 6.
Johnson, Philip B., Columbus, Ohio. Toy glider and carrier. 2,632,282, Mar. 24.
Johnson and Phillips Limited, assignee: *See*—
Hollingsworth, Philip M.
Johnson Products, Inc., assignee: *See*—
Humphreys, John W.
Johnson, Charles E.
Johnson, Quinton C.: *See*—
Bussiere, George, Johnson, and Straub.
Johnson, Ralph E., Mountainside, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle stripper foot for sewing machines. 2,652,798, Sept. 22.
Johnson, Ralph E., Mountainside, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker for sewing machines. 2,657,658, Nov. 3.
Johnson, Ralph E., Rahway, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Darning attachment for sewing machines. 2,642,022, June 16.
Johnson, Ralph E., Rahway, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Motor bracket. 2,662,497, Dec. 15.
Johnson, Ralph E., Mountainside, and C. A. Kessler, Plainfield, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Presser foot for sewing machines. 2,627,240, Feb. 3.
Johnson, Ralph E., Mountainside, and C. A. Kessler, Plainfield, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,633,816, Apr. 7.
Johnson, Ray W., San Jose, Calif., assignor to Le Tourneau, Inc., Longview, Tex. Adjustable leverage claw hammer. 2,643,854, June 30.
Johnson, Ray W., Turlock, Calif., assignor to Le Tourneau, Inc., Longview, Tex. Claw hammer with adjustable leverage fulcrum. 2,657,903, Nov. 3.
Johnson, Raymond C.: *See*—
Thompson, Charles J., and Johnson.
Johnson, Raymond C., Wilkes-Barre, Pa., and C. C. Tyrrell, Binghamton, N. Y., assignors to Anthracite Equipment Corporation, Wilkes-Barre, Pa. Heating apparatus. 2,640,467, June 2.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Mechanical pencil with lead advancing means. 2,627,246, Feb. 3.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Fountain pen for viscous ink. 2,627,844, Feb. 10.
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Composite keyboard. 2,641,320, June 9.
Johnson, Reynold B., and E. F. Geiger, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Master clock. 2,661,590, Dec. 8.
Johnson, Richard H., Arlington Heights, assignor to Container Corporation of America, Chicago, Ill. Container with carrying handle. 2,663,485, Dec. 22.
Johnson, Richard L.: *See*—
Luhn, Hans P., and Johnson.

Johnson, Richard S., Racine, Wis. Hydraulically operated reinforced collapsible valve. 2,627,874, Feb. 10.
Johnson, Richard S., Racine, Wis., and G. A. Palmquist, Chicago, Ill. Inhaler. 2,651,303, Sept. 8.
Johnson, Robert A., Kansas City, Mo. Folding golf cart. 2,635,893, Apr. 21.
Johnson, Robert B.: *See*—
Baxter, Jay H., and Johnson.
Johnson, Robert B., Jr., Melrose, Mass., assignor to General Electric Company. Making high strength rotating elements. 2,629,923, Mar. 3.
Johnson, Robert C., Jr., Lubbock, Tex. Implement carrier frame. 2,660,452, Nov. 24.
Johnson, Robert E., Kingsport, Tenn. Collapsible ironing board. 2,650,442, Sept. 1.
Johnson, Robert E., Proctor, Minn. Combined sign and light unit. 2,627,684, Feb. 10.
Johnson, Robert F., Bedford, Va. Appliance for massaging and exercising human feet. 2,638,088, May 12.
Johnson, Robert H., Kansas City, Mo. Combined mop for cleaning bowling alley beds and gutters. 2,635,272, Apr. 21.
Johnson, Robert L., Unity, Wis. Fishing line guide. 2,650,447, Sept. 1.
Johnson, Robert W., Princeton, N. J., assignor to Personal Products Corporation. Sanitary napkin. 2,625,161, Jan. 13.
Johnson, Roland, Drummondville West, Quebec, and R. W. Kolb, Drummondville, Quebec, assignors to Drummondville Cotton Company Limited, Montreal, Quebec, Canada. Nylon fish netting. 2,653,372, Sept. 29.
Johnson, Roy W., Milwaukee, Wis. Fuel control. 2,643,061, June 23.
Johnson, Roy W., Woodland, assignor, by mesne assignments, to Estand, Inc., San Francisco, Calif. Suspension for side delivery rakes. 2,658,324, Nov. 10.
Johnson, Rudolph C., Minneapolis, Minn. Vehicle towing device. 2,659,609, Nov. 17.
Johnson, Russell R., Elizabeth, N. J., assignor to Standard Oil Development Company. Apparatus for determining liquid levels. 2,628,500, Feb. 17.
Johnson, S. C., & Son, Inc., assignee: *See*—
Heiss, Herbert L.
Wilder, Edward A., and Chapman.
Johnson, Scott R., River Forest, and C. T. Walter, Markham, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Metal sheet stacker. 2,649,302, Aug. 18.
Johnson, Scott R., River Forest, and E. G. Blaing-Leisk, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Can bag unloading method and apparatus. 2,664,216, Dec. 29.
Johnson, Scott R., River Forest, and E. G. Blaing-Leisk, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Can bag unloading apparatus. 2,664,218, Dec. 29.
Johnson, Shirley, assignee: *See*—
Nourse, Ira C.
Johnson, Sidney P., Washington, D. C. Feed pump leak-off system. 2,648,285, Aug. 11.
Johnson, Sidney P., Washington, D. C. Feeler apparatus for controlling wrench rotation. 2,655,827, Oct. 20.
Johnson, Stephen I., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,652,043, Sept. 15.
Johnson, Sven J., Higganum, assignor to Andersen Laboratories, Inc., West Hartford, Conn. Adjustable delay line. 2,659,053, Nov. 10.
Johnson, Terrence E., assignee: *See*—
Wieczorek, Joseph.
Johnson, Theodore A.: *See*—
Brown, Gardner L., and Johnson.
Brown, Gardner L., Johnson, and Knill.
Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Tractor mounted cultivator. 2,624,255, Jan. 6.
Johnson, Thomas B., Decatur, Ga., assignor to H. H. Robertson Company, Pittsburgh, Pa. Cutting tool for cutting sheet metal. 2,642,658, June 23.
Johnson, Thomas J., assignor to Gilfillan Bros., Inc., Los Angeles, Calif. Decoding of angle voltage triggers in composite video systems. 2,634,368, Apr. 7.
Johnson, Thomas W., Parsippany, assignor to Bendix Aviation Corporation, Teterboro, N. J. Balanced impeller for centrifugal pumps. 2,641,190, June 9.
Johnson, Thomas W., Troy Hills, assignor to Bendix Aviation Corporation, Teterboro, N. J. Ram-jet launching sequence fuel flow control valve. 2,658,331, Nov. 10.
Johnson, Thurman assignee: *See*—
Sammer Rudolph.
Johnson, Virginia C.: *See*—
Mayer, Ivan, and Johnson.
Johnson, Walter H.: *See*—
Johnson, John C. and W. H.
Johnson, Walter J., Buffalo, and C. G. Ertell, Eggertsville, assignors to J. H. Williams & Co., Buffalo, N. Y. Pipe wrench with nut fulcrumed pivoted outer jaw. 2,650,512, Sept. 1.
Johnson, Walter J., Buffalo, and C. G. Ertell, Eggertsville, assignors to J. H. Williams & Co., Buffalo, N. Y. Replaceable jaw insert for pipe wrenches. 2,656,751, Oct. 27.
Johnson, Walter P.: *See*—
Erickson, Arleigh R., and Johnson.
Johnson, Walton A., Elberton, Ga. Syringe cleaner. 2,638,612, May 19.
Johnson, Warren F.: *See*—
Burns, William A., and Johnson.
Johnson, Warren H., assignor to The Will-Burt Company, Orrville, Ohio. Universal jig for drilling and the like. 2,634,632, Apr. 14.
Johnson, Warren W., St. Joseph, Mo. Flexible band turning tool. 2,656,749, Oct. 27.
Johnson, William A., Farnborough, assignor to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Aerial system. 2,637,814, May 5.
Johnson, William A., Farnborough, and R. H. J. Cary, Great Malvern, England, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Slotted antenna system. 2,661,422, Dec. 1.
Johnson, William B.: *See*—
Degnen, William J., and Johnson.
Johnson, William B., Far Hills, assignor to The M. W. Kellogg Company, Jersey City, N. J. Manufacture of hydrogen. 2,656,255, Oct. 20.
Johnson, William E., London, and H. J. Hillen, Shirley, Croydon, assignors to Powers-Samas Accounting Machines Limited, London, England. Apparatus for feeding webs of paper. 2,630,901, Mar. 10.
Johnson, William H., Quincy, Ill. Geared wrench. 2,634,630, Apr. 14.
Johnson, William H., Washington, D. C. Pattern for vertical casting systems. 2,645,829, July 21.
Johnson, William H., Washington, D. C. Pattern for horizontal casting systems. 2,645,830, July 21.
Johnson, William R.: *See*—
Perry, James W., Johnson, and Frazer.
Johnson, William S., Madison, Wis. Preparing 4-quinolyl secondary amines. 2,653,940, Sept. 29.
Johnson, William S., Madison, Wis., and D. K. Banerjee, Calcutta, India, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. 1-keto-8RO-1,2,3,-4,4*a*,5,6,10*b*,11,12,12*a* dodecahydrochrysenes. 2,648,679, Aug. 11.
Johnson, William S., Madison, Wis., and D. L. Turner, Philadelphia, Pa., assignors to Wisconsin Alumini Research Foundation, Madison, Wis. Preparing 1,2,3,4-tetrahydrophenanthrenes. 2,658,910, Nov. 10.
Johnson, William S., Madison, Wis., and R. G. Christiansen, Rensselaer, N. Y., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Synthesis of estrone. 2,663,716, Dec. 22.
Johnsrud, Oliver N.: *See*—
Kahl, Joseph, and Johnsrud.
Johnston, Arthur J., Ruxton, assignor to American Totalisator Company, Inc., Baltimore, Md. Key selector mechanism in printing machines. 2,651,253, Sept. 8.
Johnston, Blaine, Pasadena, assignor to M. O. Johnston, Glendale, Calif. Hydraulic pipe pulling device. 2,640,681, June 2.
Johnston, Blaine, Pasadena, and J. C. Mason, Bellflower, Calif., said Johnston assignor, by mesne assignments, to said Mason. 2,663,285, Dec. 22.
Johnston, Daniel S., Rolling Hills, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Directional drilling. 2,646,253, July 21.
Johnston, Daniel S., Rolling Hills, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Controlling deviation in drilling. 2,646,254, July 21.
Johnston, David B., Port Chester, N. Y. Turntable drive. 2,661,627, Dec. 8.
Johnston, David K., Columbus, Ohio. Automatic case shifting attachment for typewriters. 2,633,965, Apr. 7.
Johnston, Douglas, assignor to General Fluid Machinery Company, Huntsville, Ala. Hydraulic jack. 2,627,722, Feb. 10.
Johnston, Earl W., Worcester, Mass., assignor to United States Steel Corporation. Profile tracing machine. 2,654,951, Oct. 13.
Johnston, Edward J., Chicago, Ill., assignor to International Harvester Company. Feeding means for blowers. 2,644,723, July 7.
Johnston, Ida M., executrix: *See*—
Johnston, J. B.
Johnston, Irven D., Du Bois, Pa. Press for securing wax comb foundations in honey frames. 2,643,400, June 30.
Johnston, J. B., deceased, by I. M. Johnston, executrix, Fort Worth, Tex. Concrete building form. 2,642,646, June 23.
Johnston, James B., Oklahoma City, Okla. Ground roller hold-down attachment for lawn mowers. 2,629,222, Feb. 24.
Johnston, James M., Vancouver, British Columbia, and C. B. Patterson, West Vancouver, British Columbia, Canada. Drive and brake control for toy vehicle traction means. 2,633,370, Mar. 31.
Johnston, John G., Los Angeles, Calif. Tail pipe terminal silencer. 2,652,127, Sept. 15.
Johnston, Joseph M., Bradley Beach, N. J., J. B. Olsen, Brooklyn, N. Y., and J. A. Moulden, Red Bank, N. J. Compressional wave telemetering device. 2,656,458, Oct. 20.
Johnston Lawn Mower Corporation, assignee: *See*—
Wilkin, Ellsworth D.

Johnston, Leith, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Control circuit for vending machines. 2,659,471, Nov. 17.

Johnston, Le Roy M., Chehalis, Wash. Electrical calf weaner. 2,628,592, Feb. 17.

Johnston, M. O., assignee: *See*—
Akers, Edward G.
Johnston, Blaine.
Miller, Raymond S., and Sinclair.

Johnston, Mary A., administratrix: *See*—
Smith, Walter H.

Johnston, Mary A., executrix: *See*—
Smith, Walter H.

Johnston, Mordica O., Glendale, Calif., assignor, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Combined shut-in and back circulation tool. 2,661,802, Dec. 8.

Johnston, Samuel, assignee: *See*—
Kruzell, George R.

Johnston, Samuel A., Walworth, and P. B. Wickham, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Apparatus for timing a balance wheel assembly. 2,658,381, Nov. 10.

Johnston, Samuel S., and J. E. Elswick, Steubenville, Ohio, assignors to National Steel Corporation. Cleaning strip. 2,628,924, Feb. 17.

Johnston, Stephen L., Chicago, Ill. Live bait saving bobber. 2,629,198, Feb. 24.

Johnston Testers, Inc., assignee: *See*—
Bagnell, Edgar W.
Deters, Bruce A., and Butler.
Huber, Clyde L., and Skipper.
Johnston, Mordica O.
Johnston, Thomas M.

Johnston, Thomas, Drumheller, Alberta, Canada. Fuel dehydrating and straining funnel with leg supports. 2,649,966, Aug. 25.

Johnston, Thomas M., La Canada, Calif., assignor, by mesne assignments, to Johnston Testers, Inc., Houston, Tex. Open hole packer of the sleeve type. 2,657,751, Nov. 3.

Johnston, William R., Bronxville, I. M. Reich, New York, and G. E. Miller, Bronx, assignors to Standard Brands Incorporated, New York, N. Y. Tea extraction. 2,639,237, May 19.

Johnstone, Alexander P.: *See*—
Robson, Arthur R. D., and Johnstone.

Johnstone, Charles W., and W. N. Dean, Washington, D. C., and L. Mautner, Arlington, Va., assignors to the United States of America as represented by the Secretary of the Navy. Radio identification system. 2,653,234, Sept. 22.

Johnstone, Charles W., Garden City, N. Y., and H. V. Hance, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Pulse lengthening circuit. 2,653,237, Sept. 22.

Johnstone, Claude, Brooklyn, N. Y., and F. R. Schumm, Jersey City, N. J., assignors to Dodge & Olcott, Inc., New York, N. Y. Liquid pepper composition and producing the same. 2,626,218, Jan. 20.

Johnstone, Harry M., assignee: *See*—
Glaze, Paul E.

Johnstone, Stanley G. W.: *See*—
Bray, Frederick H., Wilson, Ormrod, and Johnstone.

Johnstone, Theodore H., Detroit, Mich. Key readily removable from and replaceable onto a key ring. 2,633,012, Mar. 31.

Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Sweetening of sour hydrocarbon distillates. 2,634,231, Apr. 7.

Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation process. 2,652,434, Sept. 15.

Joiner, John M., Jr., Chicago, Ill. Auto burglar alarm. 2,650,354, Aug. 25.

Jokl, Alois: *See*—
Johns, Francis J., and Jokl.

Joleco Corporation, assignee: *See*—
Ledbetter, George W.

Jolley, Edward L., Salt Lake City, Utah, assignor to Clarite Battery, Inc. Lead-acid electric storage battery and producing same. 2,650,257, Aug. 25.

Jolley, Thomas M., Oskaloosa, Iowa. Fishhook. 2,624,150, Jan. 6.

Jolly, C. C., Company, Inc., The, assignee: *See*—
Jolly, Carl C.

Jolly, Carl C., assignor to The C. C. Jolly Company, Inc., Owatonna, Minn. Poultry feeder. 2,660,149, Nov. 24.

Jolly, Samuel E., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Extraction of naphthenic acids. 2,637,744, May 5.

Jonach, Fredrick L., Richmond Hill, N. Y., assignor to Standard Oil Development Company. Separating naphthenes from paraffin hydrocarbons. 2,632,778, Mar. 24.

Jonach, Fredrick L., Richmond Hill, N. Y., J. A. Wilson, Linden, and J. J. Heigl, Cranford, N. J., assignors to Standard Oil Development Company. Fuel cleanliness determination. 2,644,330, July 7.

Jonas, David A., Los Angeles, Calif. Hooked fastener and connection for rails used for beds or divans. 2,648,074, Aug. 11.

Jonas, Heinz, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Production of dialkylthiophosphates. 2,647,140, July 28.

Jónás, Johann: *See*—
Tonutti, Emil, Schoeller, and Jónás.

Jonas, Julius, Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Movable jet deflector to compensate for destabilizing moment in a jet aircraft. 2,654,552, Oct. 6.

Joncas, Phillip A., Hollywood, Calif. Rocking chair. 2,638,968, May 19.

Jones, Alan S.: *See*—
Del Valle, Guillermo A., and Jones.

Jones, Allan E., Sacramento, Calif. Concentrator. 2,649,202, Aug. 18.

Jones, Allen, Darby, Mont. Fluid can punch and opener. 2,636,258, Apr. 28.

Jones, Allen R., Roselle, and J. O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company. Antioxidant for petroleum products. 2,627,511, Feb. 3.

Jones, Allen R., Roselle, and J. O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company. Stabilized compositions containing hydrogenated quinolines with oxidation inhibitors. 2,647,824, Aug. 4.

Jones, Arthur B., Detroit, Mich. Vertical trouser pressing machine. 2,627,128, Feb. 3.

Jones, Barton, Los Angeles, Calif. Dampener for differential pressure indicators. 2,632,474, Mar. 24.

Jones, Benjamin G., Concord, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Initial sealing of cyclone dip-legs. 2,634,191, Apr. 7.

Jones, Benjamin T., Miami Beach, Fla. Electrical cigarette lighter. 2,635,171, Apr. 14.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Electric fuse. 2,644,059, June 30.

Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Voltage regulator. 2,650,341, Aug. 25.

Jones, C. Walker Co., assignee: *See*—
Colehower, Harry H., Jr.

Jones, Cable B., Black Hawk, S. Dak. Tie bar for insulated concrete walls. 2,645,929, July 21.

Jones, Cernyw F., Economy, assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling device. 2,634,634, Apr. 14.

Jones, Cernyw F., Economy, assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling device. 2,654,273, Oct. 6.

Jones, Cernyw F., Economy, assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling device. 2,654,274, Oct. 6.

Jones, Cernyw F., Economy, assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling device. 2,654,275, Oct. 6.

Jones, Cernyw F., Economy, assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling device. 2,654,276, Oct. 6.

Jones, Cernyw F., Economy, assignor to Perfect Circle Corporation, Hagerstown, Ind. Slotting machine. 2,657,615, Nov. 3.

Jones, Charles E., assignor to Charles E. Jones and Associates, Inc., Chicago, Ill. Electric fan. 2,633,293, Mar. 31.

Jones, Charles E., assignor to Cory Corporation, Chicago, Ill. Electric heater and fan. 2,633,647, Apr. 7.

Jones, Charles E., assignor to Cory Corporation, Chicago, Ill. Electric circulating floor fan. 2,640,646, June 2.

Jones, Charles E., and Associates, Inc., assignee: *See*—
Jones, Charles E.

Jones, Charles H.: *See*—
Ley, Gordon, and Jones.

Jones, Charles T. A., Wallington, assignor to Powers-Samas Accounting Machines Limited, London, England. Mechanism for sensing statistical record cards. 2,638,270, May 12.

Jones, Charles W., Pomona, Calif. Retractable runner and wheeled type of game carrier. 2,624,588, Jan. 6.

Jones, Charles W., Ontario, Calif. Animal carrying cart. 2,629,608, Feb. 24.

Jones, Clarence R., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Lading strap anchor. 2,643,618, June 30.

Jones, Dan H., Lakeview, Oreg. Trap. 2,643,480, June 30.

Jones, Daniel C., Port Washington, assignor to Koehring Company, Milwaukee, Wis. Concrete pavement finishing machine. 2,650,525, Sept. 1.

Jones, David D., Weston, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing apparatus. 2,642,622, June 23.

Jones, David E., Columbus, Ohio. Combination linear scale. 2,645,019, July 14.

Jones, David G.: *See*—
Taylor, Arthur W. C., Jones, and Allan.

Jones, David T. and G., Mold, North Wales. String extractor means for baling apparatus. 2,649,043, Aug. 18.

Jones, Don F., assignor to Motor Wheel Corporation, Lansing, Mich. Air shutter for gas burners. 2,638,161, May 12.

Jones, Dwight E., and C. H. Vickery, assignors to E. D. Jones & Sons Company, Pittsfield, Mass. Beater refiner apparatus. 2,647,445, Aug. 4.

Jones, E. D., & Sons Company, assignee: *See*—
Jones, Dwight E., and Vickery.

Jones, Edward L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for heating gases. 2,631,835, Mar. 17.

Jones, Edward N.: *See*—
Core, Clark D., and Jones.

Jones, Edward N., Pettus, Tex. Seal for well tubing. 2,638,167, May 12.

Jones, Edwin E., North Stonington, Conn. Well deepening apparatus. 2,662,603, Dec. 15.

Jones, Edwin P., Merced, Calif. Speed recorder. 2,663,609, Dec. 22.

Jones, Edwin P., and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Modified soybean lecithin. 2,636,889, Apr. 28.

Jones, Evan, Evanston, assignor to Henry Valve Company, Incorporated, Chicago, Ill. Rupture disk unit. 2,630,939, Mar. 10.

Jones, Floyd S., Durham, N. C. Animal trap. 2,663,116, Dec. 22.

Jones, Forrest F.: *See*—
Schilling, John B., and Jones.

Jones, Frank A., Bristol, Tenn., assignor, by mesne assignments, to Enterprise Wheel & Car Corporation, Bristol, Va. Trailer truck tandem axle spring suspension. 2,639,166, May 19.

Jones, Frank J., assignor of one-sixth to L. Selvia and one-sixth to G. W. Nesbet, West Terra Haute, Ind. Adjustable reel-type hedge trimmer. 2,645,074, July 14.

Jones, Frederick: *See*—
Smith, Esmond W., and Jones.

Jones, Frederick M., assignor to The U. S. Thermo Control Co., Minneapolis, Minn. Locking mechanism. 2,647,287, Aug. 4.

Jones, George C.: *See*—
Phillips, Lawson H., and Jones.

Jones, George F.: *See*—
Van Wirt, Alfred E., and Jones.

Jones, George F., Aldwych, London, assignor to Commercial Patents Limited, London, England. Hydraulic power installation. 2,637,971, May 12.

Jones, George M., Jenkintown, Pa. Food masher. 2,659,403, Nov. 17.

Jones, George M., Salt Lake City, Utah. Self-cleaning conveyer. 2,646,159, July 21.

Jones, George S.: *See*—
Egan, John F., and Jones.

Jones, Glen H., Minneapolis, Minn. Earth-boring machine. 2,639,892, May 26.

Jones, Glenn M., Farmington, and H. H. Duvall, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,641,194, June 9.

Jones, Glynn: *See*—
Jones, David T. and G.

Jones, Gordon K., Tujunga, Calif. Seat for vehicles such as aircraft. 2,638,151, May 12.

Jones, Grenville E.: *See*—
Wintemberg, Adelbert C., and Jones.

Jones, Grinnell: *See*—
Juda, Walter, Jones, and Altman.

Jones, Harold Goulbourne: *See*—
Pye, George T., and Jones.

Jones, Harold T., Vallejo, Calif. Drill aligning gauge. 2,635,348, Apr. 21.

Jones, Harold T., Vallejo, Calif. Quick-adjusting toggle wrench. 2,661,648, Dec. 8.

Jones, Harry H., and R. C. White, Detroit, assignors to H. H. Jones and R. C. White, copartners, doing business as Manufacturers Processing Co., Ferndale, Mich. Degreasing apparatus. 2,662,851, Dec. 15.

Jones, Harry M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway car axle journal bearing mounting. 2,660,490, Nov. 24.

Jones, Harry W.: *See*—
Dempster, George R., and Jones.
McCallen, Perry S., and Jones.

Jones, Harry W., assignor to Dempster Brothers, Incorporated, Knoxville, Tenn. Collecting, transporting, and dumping equipment. 2,626,069, Jan. 20.

Jones, Harry W., and G. Glazer, assignors to Dempster Brothers, Incorporated, Knoxville, Tenn. Baling press. Re. 23,737, Nov. 17.

Jones, Henry F.: *See*—
Etchason, Paul T., and Jones.

Jones, Horry M., Chicago, Ill. Measuring device. 2,655,914, Oct. 20.

Jones, Hugh F., and H. R. Colby, Greenville, assignors to Federal Mogul Corporation, Detroit, Mich. Electroplating rack. 2,643,225, June 23.

Jones, Ira M., assignee: *See*—
Brooks, Lewis C.

Jones, Ivan E., and C. B. Reynolds, Orange, Calif. Trailer automatic brake applying means. 2,625,243, Jan. 13.

Jones, J. E., assignee: *See*—
Herndon, Lawrence O.

Jones, Jack, Eden, Tex. Lift for ceiling boards. 2,655,412, Oct. 13.

Jones, Jack E. and J. D., Greensboro, N. C. Bookmarker. 2,645,197, July 14.

Jones, Jack W., Chester, assignor to Sun Oil Company, Philadelphia, Pa. Device for detecting or measuring magnetic fields. 2,642,479, June 16.

Jones, James A., Fayetteville, Ark. Dust mop cleaner. 2,642,600, June 23.

Jones, James E., assignor to General Motors Corporation, Detroit, Mich. Switch. 2,661,407, Dec. 1.

Jones, James E., Farmville, assignor of forty-five per cent to T. C. Hughes, Green County, N. C. Curing of green tobacco leaves. 2,629,555, Feb. 24.

Jones, James E., Morehead, assignor of fifty per cent to J. P. Marshburn, Goldsboro, N. C. Marine anchor. 2,629,357, Feb. 24.

Jones, Jarman M. L., assignor to Riddell Products Limited, London, England. Inhalation apparatus. 2,655,918, Oct. 20.

Jones, Jean E., assignor to Eastman Kodak Company, Rochester, N. Y. Setting protein containing coatings with ammonium. 2,652,345, Sept. 15.

Jones, Jesse E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Variable voltage motor control system. 2,628,336, Feb. 10.

Jones, Joe D.: *See*—
Jones, Jack E. and J. D.

Jones, John A., Baltimore, Md. Coupling. 2,638,365, May 12.

Jones, John A., Baltimore, Md. Coupling. 2,652,270, Sept. 15.

Jones, John E., and R. R. Stott, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of cellulose. 2,638,415, May 12.

Jones, John F., Berkley, F. F. Timpner, Birmingham, Mich., and R. C. Juvinall, Chicago, Ill., assignors to Chrysler Corporation, Highland Park, Mich. Cam mechanism and manufacturing the same. 2,628,605, Feb. 17.

Jones, John F. R., Shotton, England. Furnace for the heat treatment of materials. 2,638,334, May 12.

Jones, John T., Long Beach, Calif. Cocktail ingredient measuring device. 2,627,184, Feb. 3.

Jones, Joseph W., New York, N. Y. Color wheel for television. 2,653,994, Sept. 29.

Jones, Kenneth C., Brecksville, and L. L. Collins, assignors to Cleveland Rug Cleaning Machinery Co., Cleveland, Ohio. Rug handling mechanism. 2,649,279, Aug. 18.

Jones, Kenneth E., Oxnard, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Harrow squadron hitch. 2,632,987, Mar. 31.

Jones & Lamson Machine Company, assignee: *See*—
Allan, James A., and Savage.
Buker, Charles B.
Cormier, Gerard A.
Ebert, Walter A., and Connelly.
Finch, Harry J.
Flanders, Ernest V., and Drury.
Flanders, Ralph E., and Batchelder.
Hazlett, Frank P.
Longe, Nelson R.
Malco, Edward J.
McIntire, Forrest L., and Manka.
Mertes, Edward J.
Nichols, Charles M.
Rendleman, Norman C.
Todd, George W.

Jones, Laurence W., Longwood, Fla. Dog muzzle. 2,658,478, Nov. 10.

Jones, Lawrence C., University Heights, and G. H. Shirley, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Caulking cartridge. 2,646,906, July 28.

Jones, Leo F.: *See*—
Chambers, Albert M., Jr., and Jones.

Jones, Leo F., and G. F. Closs, assignors to The Garlock Packing Company, Palmyra, N. Y. Sealing device. 2,630,343, Mar. 3.

Jones, Leslie H., assignor to E. L. Bruce Company, Memphis, Tenn. Apparatus for finishing wood. 2,649,755, Aug. 25.

Jones, Lester, Canton, Ill., assignor to Pabst Brewing Company, Milwaukee, Wis. Device for cleaning out the bottoms of grain elevators. 2,641,357, June 9.

Jones, Lester V., assignor of one-fourth to J. D. Dalton, Fort Worth, Tex. High-pressure pump. 2,631,545, Mar. 17.

Jones, Lewis L., Purvis, Miss. Oil change indicator. 2,656,817, Oct. 27.

Jones, Llewellyn, Coos Bay, Oreg. Golf ball retriever. 2,658,785, Nov. 10.

Jones, Loren F., Philadelphia, Pa., assignor to Radio Corporation of America. Radio navigation system. 2,632,157, Mar. 17.

Jones, Loren F., Philadelphia, Pa., assignor to Radio Corporation of America. Position locating system. 2,661,467, Dec. 1.

Jones, Marshall, New York, N. Y. Locking device. 2,648,971, Aug. 18.

Jones, Marvin R., assignor to Oil Center Tool Company, Houston, Tex. Well head. 2,639,169, May 19.

Jones, Mary K., Louisville, Ky. Electrically operated menu. 2,634,406, Apr. 7.

Jones, Michael G.: *See*—
Russell, Arthur O., Jones, and Watts.

Jones, Michael G., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Device for feeding, cutting, and stacking continuous webs or bands. 2,653,024, Sept. 22.

Jones, Minor C. K., Elizabeth, N. J., assignor to Standard Oil Development Company. Production of mixtures of carbon monoxide and hydrogen. 2,640,034, May 26.

Jones, Oliver L., La Crosse, Kans. Waste bank leveler. 2,634,853, Apr. 14.

Jones, Paul E., Downey, Calif. Apparatus for spraying hot liquids such as asphaltic emulsions on roadway surfaces. 2,657,092, Oct. 27.

Jones, Paul W.: *See*—
Schlermeier, Knapel F., and Jones.

Jones, R. A., and Company, The, assignee: *See*—
Jones, Wickliffe.

Jones, R. Lee G., Beaumont, Tex., and S. C. Okeon, Memphis, Tenn., said Okeon assignor to said Jones. Filter cleaning machine. 2,641,269, June 9.

Jones, Randlett F., and F. A. Hollins, Frederick Hall, Va. Safety cigarette holder. 2,625,163, Jan. 13.

Jones, Reginald E.: *See*—
Milne, Winford G., and Jones.

Jones, Reuben G., assignor to Eli Lilly and Company, Indianapolis, Ind. 2-methyl-3-amino-4,5-di-hydroxymethylpyridine and its salts and the preparation thereof. 2,650,232, Aug. 25.

Jones, Reuben G., assignor to Eli Lilly and Company, Indianapolis, Ind. Pyrazole compounds. 2,655,506, Oct. 13.

Jones, Reuben G., assignor to Eli Lilly and Company, Indianapolis, Ind. Pyrazole compounds. 2,655,507, Oct. 13.

Jones, Reuben G., assignor to Eli Lilly and Company, Indianapolis, Ind. Pyrazole compound. 2,655,508, Oct. 13.

Jones, Robert C.: *See*—
Woods, Harold A., and Jones.

Jones, Robert C., Berkeley, and R. J. Wall, Concord, assignors to Shell Development Company, San Francisco, Calif. Preparing lubricating grease compositions. 2,652,366, Sept. 15.

Jones, Robert E., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Overlapping car end for mine cars. 2,640,441, June 2.

Jones, Robert H.: *See*—
Dobrokowski, Daniel T., Roen, and Jones.
Hill, Max W., and Jones.

Jones, Robert H., Irvington, N. Y., and L. E. Moody, Cranford, N. J., assignors to Standard Oil Development Company. Mineral oil additive. 2,636,858, Apr. 28.

Jones, Robert H., Kenilworth, N. J., assignor to Standard Oil Development Company. Mineral oil additive. 2,658,062, Nov. 3.

Jones, Robert T., assignee: *See*—
Jones, William R.

Jones, Roger T., Batesville, Ark. Sliding jaw latch for wrenches. 2,659,259, Nov. 17.

Jones, Rufus V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling fluids and using the same. 2,631,128, Mar. 10.

Jones, Sam P., assignor to J & S Carburetor Co., Dallas, Tex. Carburetor fuel system, including diaphragm valves. 2,645,466, July 14.

Jones, Samuel, & Co., Limited, assignee: *See*—
Procter, Jack N.

Jones Steel Products, Inc., assignee: *See*—
Jones, Walter E., and Nielsen.

Jones, Ted D.: *See*—
Hager, Arthur C., and Jones.

Jones, Theodore A., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiver for two-tone carrier systems. 2,644,036, June 30.

Jones, Thomas A. D., and C. E. Kilby, assignors to Kingan & Co., Incorporated, Indianapolis, Ind. Meat curing device. 2,628,552, Feb. 17.

Jones, Thomas G.: *See*—
Hanmer, Glen P., and Jones.
McElhone, Charles A., and Jones.

Jones, Thomas G., Baton Rouge, La., assignor to Standard Oil Development Company. Dicyclopentadiene recovery process. 2,636,055, Apr. 21.

Jones, Thomas G., Baton Rouge, La., assignor to Standard Oil Development Company. Recovery of cyclopentadiene and methyl cyclopentadiene from cracked petroleum. 2,636,056, Apr. 21.

Jones, Troy L., Columbia, S. C. Drinking tube. 2,646,311, July 21.

Jones, Vincent C.: *See*—
Broeren, Frank L., Kruger, and Jones.

Jones, W. A., Foundry & Machine Company, assignee: *See*—
Hoge, Frederick H., and Marland.

Jones, Walter E., and G. A. Nielsen, assignors to Jones Steel Products, Inc., Roseville, Calif. Joining press. 2,648,361, Aug. 11.

Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener assembly. 2,648,091, Aug. 11.

Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket assembly. 2,648,885, Aug. 18.

Jones, Walter I., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Easy action snap fastener. 2,624,090, Jan. 6.

Jones, Walter I., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud installation. 2,640,243, June 2.

Jones, Walter I., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Gripping slider type buckle with fastener member on slider. 2,662,258, Dec. 15.

Jones, Walter L., Webster Groves, Mo. Marine steering device. 2,631,559, Mar. 17.

Jones, Wickliffe, Cincinnati, Ohio, assignor to The R. A. Jones and Company, Covington, Ky. Vibratory feeder for carton flats and the like. 2,631,851, Mar. 17.

Jones, Wilford D., Summit, N. J., assignor to Celanese Corporation of America, New York, N. Y. Mixing apparatus. 2,630,302, Mar. 3.

Jones, Wilford D., and S. B. McFarlane, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Process for the production of polyurethanes. 2,660,574, Nov. 24.

Jones, Wilford D., and S. B. McFarlane, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Polymerization process for polyurethanes utilizing water, a water miscible solvent, and a water immiscible solvent. 2,660,575, Nov. 24.

Jones, William: *See*—
Fisher, Donald H., and Jones.

Jones, William F., Wethersfield, assignor to Veeder-Root Incorporated, Hartford, Conn. Keying device. 2,628,113, Feb. 10.

Jones, William H.: *See*—
Clark, Robert L., and Jones.

Jones, William H., assignor of thirty-three per cent to W. P. McAtee, Albuquerque, N. Mex. Centering attachment for mortising machines. 2,629,411, Feb. 24.

Jones, William R., East Rochester, N. Y., assignor to R. T. Jones, Montclair, N. J. Counterbalanced hinge. 2,656,563, Oct. 27.

Jones, William S., assignor of one-half to A. Summers, Jr., Pittsburgh, Pa. Folding hat cover. 2,659,481, Nov. 17.

Jones, William W.: *See*—
Clevenger, Oliver L., McElhannon, and Jones.

Jones, Willis H., Kenmore, N. Y. Toolholder. 2,626,812, Jan. 27.

Jongeneel, Albert M., assignee: See—
Schmidt, Lloyd K.

Jonker, Frederick, Washington, D. C. Beverage container. 2,659,507, Nov. 17.

Jonker, Frits, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Jet propulsion engine with auxiliary pulse jet engine. 2,635,420, Apr. 21.

Jonker, Gerard H.: *See*—
Bügel, Roelof D., Jonker, and Van Santen.

Jonker, Gerard H., and P. B. A. Schilperoord, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical insulator. 2,643,192, June 23.

Jonker, Johan L. H.: *See*—
Klinkert, Leonard, Moubis, and Jonker.
Six, Willem, Jonker, and Van Gelder.

Jonker, Johan L. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement comprising at least one switch for the control of at least one lead. 2,662,176, Dec. 8.

Jonkers, Cornelius O., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Self-driving device for transporting heat from a lower to a higher temperature level. 2,657,553, Nov. 3.

Jonkers, Cornelius O., J. W. L. Köhler, H. Rinia, and A. A. Liebe, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot gas engine enclosing two thermodynamic cycles. 2,657,528, Nov. 3.

Jonkers, Cornelius O., and J. W. L. Köhler, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot gas engine refrigerator. 2,657,552, Nov. 3.

Jonkopings Mekaniska Werkstads Aktiebolag, assignee: *See*—
Malmvik, Elof, and Dunér.

Jonsson, Einar J., assignor to Aktiebolaget Alka Aluminiumkapslar, Linkoping, Sweden. Bottle cap forming apparatus. 2,662,498, Dec. 15.

Jonsson, Einar J. J., Stockholm, Sweden. Vertical baling press. 2,654,309, Oct. 6.

Jönsson, Karl O. E., Stockholm, Sweden. Folding bed and cabinet unit. 2,641,000, June 9.

Jönsson, Malte R., Astorp, Sweden. Door lining. 2,639,472, May 26.

Jönsson, Nils W., Lidingo, and K. O. Lindgren, Djursholm, assignors to Aktiebolaget A. Ekstroms Maskinaffar, Stockholm, Sweden. Vibratory rotary screening mechanism. 2,631,506, Mar. 17.

Jordan, Benjamin H., High Point, N. C. Wrap stripe attachment for knitting machines. 2,653,462, Sept. 29.

Jordan, Charles E.: *See*—
Jordan, William M. and C. E.

Jordan, Curtis S.: *See*—
Sneed, Robert C., and Jordan.

Jordan, Dorsey W., Berkeley, assignor to Jordan Equipment Company, Oakland, Calif. Load bracing bar. 2,631,009, Mar. 10.

Jordan, Edmund F., Jr.: *See*—
Swern, Daniel, and Jordan.

Jordan Equipment Company, assignee: *See*—
Jordan, Dorsey W.

Jordan, George, assignee: *See*—
Gersman, Harvey M.

Jordan, Hans, assignor, by mesne asignments, to Given Machinery Company, Los Angeles, Calif. Waste disposal device. 2,664,247, Dec. 29.

Jordan, Jacob: *See*—
Steele, Richard E., and Jordan.

Jordan, Jacob, New Castle, assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa. Cup turning machine. 2,632,223, Mar. 24.

Jordan, Jacob, assignor to Shenango Pottery Company, New Castle, Pa. Automatic ware pressing machine. 2,638,654, May 19.

Jordan, James D., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Fuze. 2,655,867, Oct. 20.

Jordan, James F., Huntington Park, Calif. Continuous cupola-Bessemer process. 2,639,984, May 26.

Jordan, James F., Huntington Park, Calif. Titanium smelting process. 2,647,826, Aug. 4.

Jordan, James F., Huntington Park, Calif. Profile method of making steel. 2,649,366, Aug. 18.

Jordan, Kurt, and H. Neumann-Lezius, assignors to Brunsviga Maschinenwerke Aktiengesellschaft, Brunswick, Germany. Calculating machine. 2,648,498, Aug. 11.

Jordan, Lynvell R., Santa Monica, assignor to J. B. Nethercutt, Los Angeles, Calif. Flying target. 2,650,829, Sept. 1.

Jordan, Merrill E., Walpole, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Pelletized carbon black and making. 2,635,057, Apr. 14.

Jordan, Olga F., Chicago, Ill. Double boiler cooking utensil. 2,637,459, May 5.

Jordan Regulator Corporation, assignee: *See*—
Jordan, William V.
Bissell, Harry G.

Jordan, Trueman P.: *See*—
Sprouse, Verner E., and Jordan.

Jordan, Wayne D.: *See*—
Galazzi, Joseph A., Jordan, and Van Vliet.

Jordan, Wayne D., Chicago, Ill. Multitemperature refrigerator. 2,633,003, Mar. 31.

Jordan, William M. and C. E., West Palm Beach, Fla. Jalousie assembly for building construction. 2,640,569, June 2.

Jordan, William V., assignor to Jordan Regulator Corporation, Lebanon, Ohio. Mixing valve. 2,625,331, Jan. 13.

Jordanoff, Assen, Brookville, assignor of one-half to J. Hagan, New York, N. Y. Snow removal construction. 2,634,659, Apr. 14.

Jorenby, Carl O., Kennedy, N. Y. Combined feed receptacle and trough. 2,660,981, Dec. 1.

Jorg, Grace C., assignee: *See*—
Chapman, Raymond J.

Jorg, Roy J., assignee: *See*—
Chapman, Raymond J.

Jorg, Roy J., Jr., assignee: *See*—
Chapman, Raymond J.

Jörgensen, Anders O.: *See*—
Ericsson, Eric A., Jörgensen, and Överby.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Cement applying mechanism for shoe machines. 2,633,099, Mar. 31.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for trimming lasted shoes. 2,644,967, July 14.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoes. 2,646,582, July 28.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,650,379, Sept. 1.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,663,036, Dec. 22.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,663,037, Dec. 22.

Jorgensen, Betty J., assignee: *See*—
Berndsen, William E.

Jorgensen, Clarence H., East Rochester, W. T. Nickel, H. H. Dietrich, and D. P. Worden, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Control for multiple engines. 2,625,834, Jan. 20.

Jorgensen, Clarence H., East Rochester, and W. T. Nickel, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Engine controller. 2,634,715, Apr. 14.

Jorgensen, Clarence H., W. T. Nickel, H. H. Dietrich, and D. P. Worden, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Jet engine fuel controller. 2,648,194, Aug. 11.

Jorgensen, David F., Altadena, Calif. Roller device for moving heavy objects. 2,639,164, May 19.

Jorgensen, George F., Norfolk, Va. Paddle for disciplining children. 2,645,488, July 14.

Jörgensen, Hans J., Hamburg-Stellingen, Germany. Regulating valve for refrigerating installations. 2,654,976 Oct. 13.

Jorgensen, Jens J., Detroit, Mich., assignor to Brand Automatic Cashier Company, Watertown, Wis. Coi wrapping machine. 2,635,402, Apr. 21.

Jorgensen, Johannes V., Odense, Denmark. Microscope slide holder. 2,633,980, Apr. 7.

Jorgenson, Gerald A., York, Pa., assignor to Read Standard Corporation, New York, N. Y. Retractable chute for trough hoists. 2,661,855, Dec. 8.

Jorgenson, John P.: *See*—
Kling, Olaf E., and Jorgenson.

Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Decomposition of aralkyl alpha-hydroperoxides. 2,626,281, Jan. 20.

Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isopropylbenzene treatment. 2,629,744, Feb. 24.

Joris, George G., Madison, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of crude acetone. 2,624,699, Jan. 6.

Joris, George G., Madison, and W. D. Griffin, Morristown, N. J., assignors to Allied Chemical & Dye Corporation New York, N. Y. Oxidation of a naphthyl dialkyl methane. 2,656,394, Oct. 20.

Jorn, Albert, Jr.: *See*—
Jorn, Albert T. and A.

Jorn, Albert T., Grayslake, assignor to Burgess-Mannin Company, Libertyville, Ill. Heat exchange panel structure. 2,662,746, Dec. 15.

Jorn, Albert T., and A. Jorn, Jr., Grayslake, assignors t Burgess-Manning Company, Libertyville, Ill. Radian panel heating and air distributing structure. 2,662,74 Dec. 15.

Jory, Phil D., Brunswick, Ga. Lawn edge trimmer 2,630,052, Mar. 3.

Josam Manufacturing Company, assignee: *See*—
Brenner, Henry G.

Joscelyne, Francis M., Northwich, England, assignor t Imperial Chemical Industries Limited. Manufacture caustic soda granules. 2,635,684, Apr. 21.

Joseph, David, Hackensack, N. J. Building block layin device. 2,648,218, Aug. 11.

Joseph, Perry R., Zion, Ill., assignor to The Rauland Co poration. Angular velocity modulation detecto 2,634,367, Apr. 7.

Josephs, Henry, New York, N. Y. Hand-operated moto 2,636,393, Apr. 28.

Josephson, Leon, Paris, France. Brassière. 2,649,58 Aug. 25.

Joslyn Mfg. and Supply Co., assignee: *See*—
Smalley, Burton M.
Yonkers, Edward H.
Yonkers, Edward H., Jr.

Joslyn, Stuart S., assignor to C. J. Bates & Son, Cheste Conn. Display device. 2,663,527, Dec. 22.

Jouban, Albert M., Lafayette, La. Telephone instrume mask. 2,644,861, July 7.

Joublanc, Joseph C., Zanesville, Ohio, assignor to McGra Electric Company, Milwaukee, Wis. Transformer bus ing. 2,664,457, Dec. 29.

Jouget, Marc: *See*—
Bourgonnier, Claude, Jouguet, and Bunodiere.

Jouguet, Marc, Orsay, assignor to Compagnie Industriel des Telephones, Paris, France. Device for wave guid employing ovalized sections. 2,632,804, Mar. 24.

Jourdain, André P., assignor to Compagnie Internationa des Pieux Armes Frankignoul, Societe Anonyme, Lie Belgium. Device for measuring soil resistanc 2,640,351, June 2.

Jourdain, André P., Brussels, assignor to Compagnie I ternationale des Pieux Armés Frankignoul, Soci Anonyme, Liege, Belgium. Drainage pile. 2,659,20 Nov. 17.

Journal Box Servicing Corporation, assignee: *See*—
Bissell, William T., and Potter.
Potter, Thomas W.

Journal Company, The, assignee: *See*—
Eberle, Julian J.
McMullen, Joseph E.

Journeaux, Didier, Wauwatosa, assignor to Allis-Chalme Manufacturing Company, Milwaukee, Wis. Electro spacing regulator utilizing a nonlinear reference i pedance device. 2,640,947, June 2.

Jova, Frank A.: *See*—
Fields, Ernest E., Jova, and Librizzi.

Joy, Alfred R., West Hartford, assignor to R. M. Starbu & Sons, Inc., Hartford, Conn. Adjustable jaw interr wrench with threaded handle. 2,624,222, Jan. 6.

Joy, Homer van B.: *See*—
Rust, John B., and Joy.

Joy, Joseph F., assignor to Joy Manufacturing Compar Pittsburgh, Pa. Laterally flexible mine convey Re. 23,618, Feb. 10.

Joy, Joseph F., assignor to Joy Manufacturing Compar Pittsburgh, Pa. Three-wheeled motor vehic 2,630,186, Mar. 3.

Joy, Joseph F., assignor to Joy Manufacturing Compar Pittsburgh, Pa. Mine conveyer. 2,630,207, Mar. 3.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Coffee maker. 2,631,522, Mar. 17.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Combined drill and expansible breaker mechanism. 2,634,113, Apr. 7.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Cylinder and piston type coal breaker. 2,634,114, Apr. 7.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Drilling apparatus. 2,638,325, May 12.
with shaking conveyers. 2,644,573, July 7.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Conveyer-propelled supply truck for use
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Hydraulic mechanism. 2,646,755, July 28.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Disintegrating and conveying chain. 2,650,812, Sept. 1.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Pumping head and operating mechanism for wells. 2,651,914, Sept. 15.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Drafting table. 2,652,657, Sept. 22.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Walking jack. 2,657,028, Oct. 27.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Vacuum type leaf sweeper. 2,661,493, Dec. 8.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Materials handling apparatus. 2,662,635, Dec. 15.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Materials handling apparatus. 2,663,143, Dec. 22.
Joy Manufacturing Company, assignee: *See*—
Baechli, George.
Bailey, Theodore J.
Baldwin, Clyde P.
Ball, Charles F.
Ball, Charles F., and Hair.
Ball, Charles F., and Luce.
Barrett, Arthur L.
Bartholomew, Jess M.
Behinger, Charles N.
Collins, Samuel C.
Currier, Leslie A., and Engel.
Curtis, John C.
Curtis, John C., and Minnis.
Dolan, John M.
Eakin, Robert T.
Felderman, Lloyd G.
Felderman, Lloyd G., and Knoizen.
Fitzgerald, Charles W.
Goede, Charles F.
Goodrich, Ross H.
Goodrich, Ross H., and Densmore.
Haegele, Otto P.
Hair, Richard T.
Hayward, John A.
Hopkins, Richard J.
Hughes, Robert W.
Joy, Joseph F.
Lehner, Ray A.
Leven, Samuel.
McCallum, Robert A.
Miller, James E.
Mizen, Walter.
Osgood, Charles F.
Osgood, Robert C., and Engel.
Paget, Win W.
Rollins, Lester G.
Rollins, Lester G., and Barrett.
Russell, John D.
Simmons, Leon E.
Simpson, James H.
Vanderzee, Harry H.
Woolf, James W.
Joyce-Cridland Company, The, assignee: *See*—
Hott, Ion V. K., and Berk.
Hott, Ion V. K., and Simonton.
Joyce, Harold L., Hartford City, Ind. Miniature or toy railroad track. 2,637,501, May 5.
Joyce, Luke, River Rouge, Mich. Hollow door construction. 2,630,606, Mar. 10.
Joyce, Robert M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Light-stabilized photopolymerization of acrylic esters. 2,647,080, July 28.
Jozwiak, Stanislaw, assignee: *See*—
Kostro, Wladyslaw.
Jubb, Albert: *See*—
Ballantyne, David H., and Jubb.
Jubb, Albert, Buttershaw, Bradford, assignor to Rolls-Royce Limited, Derby, England. Fuel system for gas-turbine engines with means to maintain the fuel supply within desired limits during transient operating conditions. 2,643,514, June 30.
Jubenville, Arthur R., Huntington, N. Y. Electrical test probe. 2,648,826, Aug. 11.
Jubilee Manufacturing Company, assignee: *See*—
Nielsen, Richard C., and Nielsen.
Juda, Walter, assignor to Ionics, Incorporated, Cambridge, Mass. Purification of water by ion exchange. 2,660,558, Nov. 24.
Juda, Walter, and G. Jones, Cambridge, Mass., and N. Altman, Kew Gardens, N. Y., assignors, by mesne assignments, to Albi Manufacturing Co., Incorporated. Fire-retardant composition containing an anion exchange resin. 2,628,946, Feb. 17.
Juda, Walter, Cambridge, Mass., and W. A. McRae, Pelliston, Mich., assignors to Ionics Incorporated, Cambridge, Mass. Ion-exchange materials and making and using the same. 2,636,851, Apr. 28.
Juda, Walter, Lexington, and W. A. McRae, Allston, assignors to Ionics Incorporated, Cambridge, Mass. Electrodialyzing aqueous solutions and apparatus therefor. 2,636,852, Apr. 28.
Judd, Charles M., assignor to The Chas. W. Breneman Co., Cincinnati, Ohio. Packaging window shades. 2,653,710, Sept. 29.
Judd, H. L., Company, assignee: *See*—
Dubiell, Edward J.
Judd, Jay N., Cambridge, Mass. Combined camera and microscope stand. 2,624,252, Jan. 6.
Judd, John S., assignor to Lyon, Incorporated, Detroit, Mich. Blanking die. 2,656,887, Oct. 27.
Judd, John S., Birmingham, assignor to Lyon, Incorporated, Detroit, Mich. Plastic wheel structure. 2,657,099, Oct. 27.
Jude, George F., Richmond Hill, J. C. Newton, Hempstead, R. S. Brannin, East Williston, and P. Halpert, Hempstead, N. Y., assignors to The Sperry Corporation. Automatic pilot for aircraft. 2,636,699, Apr. 28.
Judell, Julius S.: *See*—
Palmer, Vernon J., and Judell.
Judelson, David N., Park Ridge, N. J. Machine for winding a web of material. 2,650,037, Aug. 25.
Judge, Thomas J.: *See*—
Johanek, George J., and Judge.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system for railroads. 2,635,180, Apr. 14.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads having track obstruction detecting means. 2,635,182, Apr. 14.
Judisch, Carl H., assignor to The Whitney Blake Company, Hamden, Conn. Self-locking electrical connector. 2,636,070, Apr. 21.
Judson, Albert L., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Control for vaporizing oil burners with electric ignition. 2,640,648, June 2.
Judson, Albert L., Portland, Oreg., assignor, by mesne assignments, to On-A-Lite Corporation, Peoria, Ill. Lighting fixture. 2,642,561, June 16.
Judson, Albert L., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Oil burner electric igniter. 2,659,428, Nov. 17.
Judson Dunaway Corporation, assignee: *See*—
Whelan, James P.
Judson, Victor J., Goshen, Ind. Trailer coach roof structure. 2,645,521, July 14.
Juergens, John, McHenry, Ill. Automobile accelerator attachment. 2,628,507, Feb. 17.
Juettner, Thomas R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Measuring valve for centralized lubricating systems. 2,630,882, Mar. 10.
Juhola, Carl, Manchester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for dielectric adhesive bonding of shoe parts. 2,644,966, July 14.
Juilfs, Albert G., Newtown, assignor to Senco Products, Inc., Cincinnati, Ohio. Staple feed mechanism for portable pneumatic staplers. Re. 23,756, Dec. 22.
Jukich, Michael: *See*—
Goulding, Albert, Jr., and Jukich.
Jukkola, Walfred W., Westport, assignor to The Dorr Company, Stamford, Conn. Heat-treating combustible solids. 2,638,684, May 19.
Julia-Ann Memorial Company, assignee: *See*—
D'Harlingue, Alfred E.
Julian, John A., Chicago, Ill., Apparauts for treating food products. 2,625,095, Jan. 13.
Julian, Percy L., Maywood, H. T. Iveson, Berwyn, and M. L. McClelland, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Process of treating phosphatides and product. 2,629,662, Feb. 24.
Julian, Percy L., Maywood, E. W. Meyer, and I. Ryden, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation of 3,20-diketo-17α-hydroxy steroids. 2,648,662, Aug. 11.
Julian, Percy L., Maywood, E. W. Meyer, and I. Ryden, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation of 17α-hydroxy steroids. 2,648,663, Aug. 11.
Julian, Percy L., Maywood, and E. W. Meyer and I. Ryden, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation of 17α-hydroxy steroids. 2,662,904, Dec. 15.
Julie, Joel, New York, N. Y. Mounting of twin acoustic diaphragm assemblies. 2,630,189, Mar. 3.
Julius, J. D., Fort Worth, Tex. Animal handling device. 2,663,283, Dec. 22.
Jullien, Agricol, Salins-de-Giraud, assignor to Compagnie Saliniere de la Camargue, Paris, France. Hydraulic system for the delivery of pulverulent materials. 2,631,899, Mar. 17.

Jumper, Herman E., Port Clinton, Ohio. Guard for bathtubs and shower stalls. 2,644,954, July 14.
June, Samuel P., Willoughby, Ohio. Retainer molding for floor coverings. 2,644,977, July 14.
Jung, Albert H., Flushing, assignor to United American Metals Corporation, Brooklyn, N. Y. Heating and cooling backing pan. 2,646,601, July 28.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Stopper for container caps. 2,659,510, Nov. 17.
Jung, Jack, Vancouver, British Columbia, Canada. Foot operated toilet seat lifter. 2,661,484, Dec. 8.
Jung, Peter A.: *See*—
Jeffries, Clyde C., and Jung.
Jung, Walter: *See*—
Wagner, Adam, Bröhl, and Jung.
Jung, Werner D., Tafton, Pa., and C. E. Saecker, Teaneck Township, Bergen County, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Apparatus for automatically proportioning pulp stocks. 2,626,627, Jan. 27.
Junge, Albert E.: *See*—
Lytle, William O., and Junge.
Jungholm, Karl J., Stockholm, Sweden. Remote control switch actuating device. 2,658,979, Nov. 10.
Jungjohann, Vernon H., assignor to Eastman Kodak Company, Rochester, N. Y. Intermittent film-feeding mechanism. 2,641,962, June 16.
Junker, Christ, Kintyre, N. Dak. Endless tread traction attachment for vehicles. 2,627,442, Feb. 3.
Junker, Otto, assignor to O. Junker, Lammersdorf, near Aachen, Germany. Rotary cutter. 2,658,261, Nov. 10.
Junkin, John L., Los Angeles, Calif. Valve control mechanism for air guns. 2,634,717, Apr. 14.
Junkunc, Alexander, Jr., assignee: *See*—
Junkunc, Béla B.
Junkunc, Bela B.
Junkunc, Alexander, Sr., assignee: *See*—
Junkunc, Béla B.
Junkunc, Bela B.
Junkunc, Béla B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J & J Tool and Machine Co., Chicago, Ill. Support for a cornice and Venetian blind. 2,640,533, June 2.
Junkunc, Bela B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, a partnership doing business as J. & J. Tool & Machine Co., Chicago, Ill. Cutting machine. 2,660,241, Nov. 24.
Junkunc, Joseph G., assignee: *See*—
Junkunc, Béla B.
Junkunc, Bela B.
Jupp, William B., New York, N. Y. Alarm system for compass repeaters. 2,632,882, Mar. 24.
Jurasevich, Elsie M., assignee: *See*—
Jurasevich, Mitchell L.
Jurasevich, Mitchell L., assignor to E. M. Jurasevich, Alturas, Calif. Power-driven sewer cleaner. 2,625,699, Jan. 20.
Jurgens, Heinz: *See*—
Leypold, Dieter, Rudolph, and Jurgens.
Jurgens, Herman E., Compton, assignor to Eight Point Trailer Corporation, Los Angeles, Calif. Vehicle leaf spring mounting. 2,635,869, Apr. 21.
Jurgensen, August P., New York, N. Y., assignor to General Fuse Company, Jersey City, N. J. Cartridge-type electrical fuse and manufacturing same. 2,659,790, Nov. 17.
Jurgensen, Delbert F., Jr.: *See*—
Abbott, John A., Jr., and Jurgensen.
Jurgensen, Delbert F., Jr., Tuckahoe, and J. A. Abbott, Jr., Brooklyn, N. Y., assignors to American Machine & Foundry Company. Detergent package and making same. 2,636,007, Apr. 21.
Jurgensen, Delbert F., Jr., Tuckahoe, N. Y., J. A. Abbott, Jr., Ridgefield, N. J., and C. Arelt, Richmond Hill, N. Y., assignors to American Machine & Foundry Company. Detergent package and making same. 2,636,008, Apr. 21.
Jurist, Alfred E., Brooklyn, N. Y., and J. C. Burke, Milltown, and W. E. Gaunt, Dunellen, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Prolonged-effectiveness injectable therapeutic preparation. 2,661,315, Dec. 1.
Jurnak, Andrew P.: *See*—
Formanian, Armen, and Jurnak.
Jury, Harold W.: *See*—
Lubcke, Harry R., and Jury.
Jurzyniec, Vincent V., Fort San, Saskatchewan, Canada. Tissue container. 2,633,984, Apr. 7.
Just, George A., Scarsdale, assignor to The Grand Union Company, New York, N. Y. Check out counter. 2,626,682, Jan. 27.
Just, John H., assignor, by mesne assignments, to E. Gingold, Syracuse, N. Y. Apparatus for controlling bird nuisance. 2,647,228, July 28.
Just, Konrad, Salzburg, Austria, assignor to Himanit Aktiengesellschaft, Vaduz, Leichtenstein. Method and device for producing high-pressure tubes of hardening materials as cement. 2,649,133, Aug. 18.
Justice, John L., Chester, Pa., assignor, by mesne assignments, to The Chemstrand Corporation, Decatur, Ala. Solutions of acrylonitrile polymers containing an alkali or alkaline earth metal salt. 2,632,750, Mar. 24.
Justiss, Marcus D., Prescott, and T. U. Fallin, Magnolia, Ark. Plant setting machine. 2,651,280, Sept. 8.
Justus, Edgar J., Atlanta, Ga. Heat dissipation of dynam
brakes. 2,633,541, Mar. 31.
Justus, Edgar J., assignor to Beloit Iron Works, Belo
Wis. Machine for coating with thermoplastic mat
rials. 2,651,077, Sept. 8.
Jutz, Erich: *See*—
Schlichting, Otto, Jutz, and Rohland.
Juve, Robert D., Copley, assignor to Wingfoot Corpor
tion, Akron, Ohio. Golf ball cover. 2,643,125, Ju
23.
Juvinall, Robert C.: *See*—
Jones, John F., Timpner, and Juvinall.
Juy, Lucien, Dijon, Côte-d'Or, France. Dismountab
bicycle and the like hub. 2,630,020, Mar. 3.
Juzwiak, Edmond A., assignor to Ezee Flow Corporatio
Chicago, Ill. Spreader with means to adjust the d
charge therefrom. 2,634,029, Apr. 7.
Juzwiak, Edmond A., and F. S. Ajero, Chicago, Ill.,
signors, by mesne assignments, to Avco Manufacturi
Corporation, New York, N. Y. Material spreading app
ratus. 2,645,384, July 14.
K. A. C. Limited, assignee: *See*—
Love, John.
K. C. Fire Nozzle & Equipment Co., assignee: *See*—
Wornall, Francis.
K-C-M Company, assignee: *See*—
Rowe, Carl H., and Mokros.
K-G Electronics Corporation, assignee: *See*—
Kleis, Leonard F.
K & L Plastic Products Inc., assignee: *See*—
Kaweski, Eugene.
K T Laboratories, Inc., assignee: *See*—
Knobel, Max.
Kaatz, Herbert W.: *See*—
Enyeart, Harold F., and Kaatz.
Kaatz, Herbert W., and H. F. Enyeart, Elyria, Oh
Pump. 2,627,816, Feb. 10.
Kacena, Richard J., Chicago, Ill. Torque converter
mixing drums. 2,639,903, May 26.
Kachelski, Albert F., F. W. Crinion, and G. J. Bee
Beaver Dam, Wis. Ice fishing tip-up. 2,634,176, Oct
Kaczka, Edward A., Elizabeth, and K. Folkers, Plainfi
assignors to Merck & Co., Inc., Rahway, N. J. N
formyl folic acid and preparing the same. 2,632,7
Mar. 24.
Kaczor, Edward J., and C. F. Schwan, assignors to T
Ohio Crankshaft Company, Cleveland, Ohio. Sta
construction for motors and generators. 2,648,0
Aug. 4.
Kader, William K., Chicago, Ill. Revolving shelving
refrigerators and the like. 2,628,880, Feb. 17.
Kadz, Harald D., Glendale, Calif., assignor to Kay-Br
ner Steel Products, Inc. Scoop adjustment for ca
type scrapers. 2,662,312, Dec. 15.
Kaebnick, Gustav A., R. D. Parr, and J. L. Otstot, assign
to Carlisle Corporation, Carlisle, Pa. Machine
wrapping tire beads. 2,662,467, Dec. 15.
Kaehlert, Kurt, Springfield, N. J. Boring bar microme
tool. 2,629,270, Feb. 24.
Kaelin, Henry F., Los Angeles, Calif. Power transmitt
mechanism. 2,657,591, Nov. 3.
Kaeser, George L., Hartford, Conn. Wing plow struct
2,643,470, June 30.
Kaess, Franz, Trostberg, and E. Dochlemann, Thalh
Altenmarkt, assignors to Sueddeutsche Kalksticks
Werke A. G., Trostberg, Germany. Preparation of
thetic resins from dicyanodiamide. 2,662,868, Dec.
Kaess, Franz, Trostberg, E. Dochlemann, Thalham,
Altenmarkt, and E. Vogel, assignors to Sueddeut
Kalkstickstoff-Werke A. G., Trostberg, Germ
Melamine condensation products and preparing
same. 2,662,873, Dec. 15.
Kafer, Clare H., Palmyra, assignor to Revco, Inc., D
field, Mich. Snap-on basket handle. 2,654,115, Oct
Kafka, Nicholas, Bellwood, Ill., assignor to Zenith R
Corporation. Cathode-ray tube beam-positioning de
2,634,381, Apr. 7.
Kafka, Robert S., Woodside, N. Y. Ellipsoidal comp
2,632,953, Mar. 31.
Kafka, Robert S., Woodside, assignor to Midland Eq
ment Corp., New York, N. Y. Labeling apparu
2,656,063, Oct. 20.
Kagan, Benjamin S., deceased, by E. E. and Z. S. Ka
Rock Island, Ill., heirs, assignors to American Mac
and Metals, Inc., New York, N. Y. Folding machine
trols. 2,652,246, Sept. 15.
Kagan, Esther E., heir: *See*—
Kagan, Benjamin S.
Kagan, Martin E.: *See*—
Yardney, Michel N., and Kagan.
Kagan, Zena S., heir: *See*—
Kagan, Benjamin S.
Kagay, Vestal A., Dallas, Tex. Well flow appara
2,630,073, Mar. 3.
Kahony, John M., Flushing, N. Y. Shoe whitening a
cator. 2,631,322, Mar. 17.
Kahl, Carl H. W., Phoenix, Ariz. Rectal spray depur
bulb with siphon. 2,660,170, Nov. 24.
Kahl, James, Bronx, N. Y. Combined bathroom stool
shoeshine box. 2,627,622, Feb. 10.
Kahl, Joseph, New York, N. Y. Marine current m
2,630,711, Mar. 10.

Kahl, Joseph, and O. N. Johnsrud, said Johnsrud assignor to G M Manufacturing Co., New York, N. Y. Twin float hydrometer syringe for fuel oils. 2,634,606, Apr. 14.

Kahle Engineering Company, assignee: *See*—
Kahle, Louis C.

Kahle, Heinrich, Pullach, near Munich, assignor to Gesellschaft für Linde's Eismaschinen A.-G., Hoellriegelskreuth, near Munich, Germany. Purification and separation of gas mixtures. 2,661,808, Dec. 8.

Kahle, Louis C., Teaneck, assignor to Kahle Engineering Company, North Bergen, N. J. Machine for forming glass articles. 2,649,659, Aug. 25.

Kahle, Victor C., South St. Paul, Minn. Fishhook. 2,624,146, Jan. 6.

Kahlenberg, Herman H.: *See*—
Kahlenberg, James F. and H. H.

Kahlenberg, James F. and H. H., Sarasota, Fla. Ampoule sealing machine. 2,629,970, Mar. 3.

Kahler, Herbert, Kensington, Md. Microtome specimen holder. 2,651,236, Sept. 8.

Kahlert, Ernest, Santa Ana, Calif. Roller skate. 2,644,692, July 7.

Kahlstorf, Ervin, Laporte, Minn. Universal structural section. 2,652,764, Sept. 22.

Kahma, Aarno A.: *See*—
Puranen, Maunu, and Kahma.

Kahn, David: *See*—
Weisser, Karl, and Kahn.

Kahn, David, Englewood, and K. Weisser, Cresskill, assignors to David Kahn, Inc., North Bergen, N. J. Fountain pen. 2,642,842, June 23.

Kahn, David, Inc., assignee: *See*—
Kahn, David, and Weisser.
Weisser, Karl, and Kahn.

Kahn, James M.: *See*—
Green, Walter H., and Kahn.

Kahn, James M., Glencoe, and E. G. Kominek, assignors to Infilco Incorporated, Chicago, Ill. Treatment of boiler water. 2,629,367, Feb. 24.

Kahn, Julian S., New York, N. Y. Detonating toy dart. 2,637,142, May 5.

Kahn, Julian S., New York, N. Y. Universal needle threader. 2,643,038, June 23.

Kahn, Julian S., New York, N. Y. Needle threader. 2,656,956, Oct. 27.

Kahn, Leo M., Brooklyn, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Timing switch mechanism for laundry folding apparatus. 2,629,591, Feb. 24.

Kahn, Leo M., Island Park, N. Y. Multiple buck press. 2,656,624, Oct. 27.

Kahn, Samuel, Bridgeport, Conn., assignor, by mesne assignments, to Maryland Devices, Inc., Baltimore, Md. Flexible tube discharge valve construction. 2,645,387, July 14.

Kahn, Samuel, Bridgeport, and C. D. Mabry, Jr., assignors to Schick Incorporated, Stamford, Conn. Beard clipping receptacle for electric shavers. 2,637,901, May 12.

Kahn's, E., Sons Company, The, assignee: *See*—
Toennies, Owe M.

Kail, Simon, East Cleveland, Ohio. Display device with interchangeable characters. 2,624,143, Jan. 6.

Kaim, Simon: *See*—
Black, Bernard A., and Kaim.

Kain, Harold G.: *See*—
Vahey, Stanley C., and Kain.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Austin, Leslie W.
Austin, Leslie W., and Hicks.
Austin, Leslie W., and Isaacs.
Austin, Leslie W., and Rick.
Barker, Lawrence J.
Byrns, Alva C.
Corona, Edward J.
Heim, Charles C.
Hesch, Frederick H.
Hicks, James C.
Johnson, Martin A.
Montgomery, John E.
Montgomery, John E., and Cundiff.
Smith, Arthur D.

Kaiser, Donald W.: *See*—
Roemer, John J., and Kaiser.

Kaiser, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Dicarbamyiguanidine salts. 2,624,761, Jan. 6.

Kaiser, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing an n-substituted carbamate. 2,647,916, Aug. 4.

Kaiser, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing methyl isomelamine. 2,653,935, Sept. 29.

Kaiser, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Ammeline salts. 2,653, 937, Sept. 29.

Kaiser, Donald W., Old Greenwich, and J. J. Roemer, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Formoguanamines and their preparation. 2,630,433, Mar. 3.

Kaiser, Donald W., Old Greenwich, and J. J. Roemer, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of guanazoles. 2,648,670, Aug. 11.

Kaiser, Donald W., Old Greenwich, and J. J. Roemer, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of 2-thiocyano-4,6-diamino-S-triazine. 2,649,447, Aug. 18.

Kaiser, Donald W., Old Greenwich, and F. C. Schaefer, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Ethylenimino-S-triazines. 2,653,934, Sept. 29.

Kaiser, Donald W., Old Greenwich, and J. J. Roemer, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Formoguanamines and their preparation. 2,658,894, Nov. 10.

Kaiser, Donald W., Old Greenwich, and I. Hechenbleikner, Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y. N-alkyl-N-vinyl cyanamide preparation. 2,658,915, Nov. 10.

Kaiser, Edgar F., and D. B. Hammond, Ann Arbor, assignors to Kaiser-Frazer Corporation, Willow Run, Mich. Vehicle body convertible into an article-carrying body. 2,647,788, Aug. 4.

Kaiser, Edward W., Chicago, Ill. Heat exchanger. 2,641,451, June 9.

Kaiser, Edward W., Chicago, Ill. Jacketed valve. 2,649,769, Aug. 25.

Kaiser, Edward W., Chicago, Ill. Expansion joint enclosure. 2,650,111, Aug. 25.

Kaiser, Edward W., Chicago, Ill. Conduit system. 2,658,527, Nov. 10.

Kaiser, Edward W., Chicago, Ill. Combined support and turbulence effecting device. 2,658,530, Nov. 10.

Kaiser, Erwin J., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Metal cutting tool. 2,649,818, Aug. 25.

Kaiser-Frazer Corporation, assignee: *See*—
Anschuetz, Harvey J.
Harbert, George C.
Hostetler, Gerald W.
Kaiser, Edgar F., and Hammond.
Oven, Gerald E., and Suter.

Kaiser, Fred, Brooklyn, N. Y. Locking mechanism for door latches. 2,634,598, Apr. 14.

Kaiser, Fritz: *See*—
Blessing, Albert, Staudenmeier, Tilch, and Kaiser.

Kaiser, Harry E., Colton, and W. C. Campbell, San Bernardino, assignors to California Portland Cement Company, Los Angeles, Calif. Humidifying system for dust and fume collection by electrical precipitation. 2,659,449, Nov. 17.

Kaiser, Henry, Kiel, Wis. Flexible elbow. 2,643,680, June 30.

Kaiser Gypsum Company, Inc., assignee: *See*—
Riddell, Wallace C., and Kirk.

Kaiser, Karl, Fresno, Calif., assignor to California Central Fibre Corporation. Roll member. 2,629,136, Feb. 24.

Kaiser Metal Products, Inc., assignee: *See*—
Borngesser, Otto J., Bradshaw, and Smith.

Kaiser, Rudolf, Ettlingen, Baden, Germany, assignor to Aeroquip Corporation, Jackson, Mich. Sealing structure. 2,658,808, Nov. 10.

Kaiser Steel Corporation, assignee: *See*—
Austin, Leslie W., and Isaacs.

Kajiyama, Hiroki, Kure City, Hiroshima-Ken, Japan. Tempering apparatus for making band saws or the like. 2,627,572, Feb. 3.

Kalamazoo Vegetable Parchment Co., assignee: *See*—
Willis, Cecil H., and Williams.

Kalart Company Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.

Kalat, Elmer J., Cleveland, assignor to The Maxwell Company, Bedford, Ohio. Boring, facing, and recessing tool. 2,632,343, Mar. 24.

Kalb, George L., assignor to Aeronca Manufacturing Corporation, Middletown, Ohio. Poultry feeder. 2,660,150, Nov. 24.

Kalb, Harry N., San Francisco, Calif. Carrier current communication system. 2,634,334, Apr. 7.

Kalb, John W., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Lightning arrester and parts therefor. 2,640,096, May 26.

Kalbach, John C., assignor to Hydrocarbon Research, Inc., New York, N. Y. Coal carbonization and gasification. 2,634,198, Apr. 7.

Kalbach, John C., assignor to Hydrocarbon Research, Inc., New York, N. Y. Production of fuel gas from carbonaceous solids. 2,639,982, May 26.

Kalbach, John C., assignor to Hydrocarbon Research, Inc., New York, N. Y. Gasification of carbonaceous materials containing volatile constituents. 2,662,816, Dec. 15.

Kalen, Maurice E.: *See*—
Davis, Eugene L., Jr., and Kalen.

Kalfaian, Meguer V., Los Angeles, Calif. Synchronization in color television. 2,663,756, Dec. 22.

Kalichman, Miriam: *See*—
Stiefel, Mona, and Kalichman.

Kalikow, Irving, Swampscott, Mass., assignor to General Electric Company. Mounting device for engine accessories. 2,645,438, July 14.

Kalikow, Irving, Swampscott, Mass., assignor to General Electric Company. Driving mechanism. 2,658,361, Nov. 10.

Kalikow, Irving, Swampscott, L. E. Hildebrand, and A. F. Lukens, Marblehead, Mass., assignors to General Electric Company. Dynamoelectric machine clutch and brake. 2,646,519, July 21.

Kalikow, Irving, Swampscott, C. L. Willey and J. W. Poole, Lynn, Mass., assignors to General Electric Company. Alternator and exciter combination. 2,652,507, Sept. 15.

Kalin, Walter, Morristown, and J. R. Power, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Audible signal for field telephone sets. 2,658,194, Nov. 3.

Kalina, Benjamin F., Bowman, N. Dak. Wringer attachment. 2,627,742, Feb. 10.

Kalinowski, Joseph, Philadelphia, Pa. Combination mop and brush. 2,637,867, May 12.

Kalinowski, Mathew L.: *See*—
MacLaren, Frederick H., and Kalinowski.

Kalinowski, Mathew L., assignor to Standard Oil Company, Chicago, Ill. Desulfurization of petroleum oils. 2,663,673, Dec. 22.

Kalinske, Anton A., Elmhurst, Ill., and L. H. Scott, Orlando, Fla., assignors to Infilco Incorporated, Chicago, Ill. Preventing flotation of floc. 2,650,193, Aug. 25.

Käll, Alfred: *See*—
Johansson, Fredrik A., and Käll.

Kallal, George W., Overland, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Device for varying the effective area of discharge orifices of jet engines or afterburners therefor. 2,634,578, Apr. 14.

Kallal, George W., Overland, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Ram jet engine. 2,656,676, Oct. 27.

Kallam, Floyd L., Pasadena, assignor to Industrial Engineers, Inc., Los Angeles, Calif. Fluid heating unit. 2,634,712, Apr. 14.

Kalle & Co. Aktiengesellschaft, assignee: *See*—
Neugebauer, Wilhelm, and Barthenheier.

Kalleberg, Kornelius, Brooklyn, assignor to American Gravity Door Closer, Inc., Massapequa Park, N. Y. Double-acting gravity hinge. 2,661,495, Dec. 8.

Kalling, Bo M. S., Domnarvet, E. L. Amèen, Surahammar, and J. L. Stålhed, Soderfors, assignors to Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Reducing ores. 2,635,957, Apr. 21.

Kalimeyer, Frederick A., South Orange, N. J. Mechanical massaging device. 2,652,826, Sept. 22.

Kallner, Gustave, Rockford, Ill. Individual wheel spring suspension. 2,657,070, Oct. 27.

Kalman Floor Company, Incorporated, assignee: *See*—
Ytterberg, Carl F.

Kalmon, Joseph J., Medford, Wis. Butcher knife having a removable guard. 2,650,424, Sept. 1.

Kalning, Frederick E.: *See*—
Wanzer, Arthur W., and Kalning.
Wanzer, Arthur W., Way, and Kalning.

Kals, Walter, assignor to Niagara Blower Company, New York, N. Y. Concentrating apparatus. 2,631,018, Mar. 10.

Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Reach assembly for cycle saddles. 2,643,701, June 30.

Kalthoff, Jesse H., Kansas City, Mo. Harness for invalid hoists. 2,663,031, Dec. 22.

Kalthoff, Max, Glenbrook, Conn. Door closer. 2,636,210, Apr. 28.

Kamborian, Albert, Newton, assignor to J. S. Kamborian, West Newton, Mass. Making Goodyear-welt shoes. 2,659,912, Nov. 24.

Kamborian, Jacob S., assignee: *See*—
Kamborian, Albert.

Kamborian, Jacob S., West Newton, Mass. Card-holding attachment for card tables. 2,635,880, Apr. 21.

Kamens, Irving, New York, and A. Weinstock, Brooklyn, N. Y. Catch for necklaces. 2,629,156, Feb. 24.

Kamholtz, Harvey A. W.: *See*—
Brolin, Anders H., Kamholtz, and Blanchard.

Kamlet, Jonas: *See*—
Vaiko, Emery I., and Kamlet.

Kamlet, Jonas, Easton, Conn., assignor to Mathieson Chemical Corporation, Baltimore, Md. High wet-strength paper and process of making. 2,624,686, Jan. 6.

Kamlet, Jonas, Easton, Conn., assignor to Mathieson Chemical Corporation. Manufacture of vanillin and its homologues. 2,640,083, May 26.

Kamlet, Jonas, Easton, Conn., assignor to American Potash & Chemical Corporation, Trona, Calif. Manufacture of boron phosphate. 2,646,344, July 21.

Kamlet, Jonas, Easton, Conn., assignor to Mathieson Chemical Corporation. Chloralimine-N-sulfonates. 2,662,094, Dec. 8.

Kamlet, Jonas, Easton, Conn., assignor to Mathieson Chemical Corporation. Purification of perchloromethyl mercaptan. 2,664,442, Dec. 29.

Kamlet, Jonas, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind. Diagnostic compositions. Re. 23,705, Sept. 1.

Kamlet, Jonas, New York, N. Y. Microbiocidal treatment of water with bromine chloride. 2,662,855, Dec. 15.

Kamm, Wunibald I. E.: *See*—
Krautter, Willy F., Kamm, and Staiger.

Kamm, Wunibald I. E., and W. F. Krautter, Dayton, and K. Staiger, Wright-Patterson Air Force Base, Ohio. Heating device. 2,643,107, June 23.

Kamm, Wunibald I. E., W. F. Krautter, and K. Staige Dayton, Ohio, assignors to the United States of Americ as represented by the Secretary of the Air Force. G starter for resonant-pulse jet burners. 2,653,654, Sep 29.

Kamm, Wunibald I. E., and W. F. Krautter, Dayton, a K. Staiger, Wright-Patterson Air Force Base, Ohi Pulse jet motor fuel inlet valve construction. 2,657,70 Nov. 3.

Kammer, Erwin W., Alexandria, Va., I. Vigness, Was ington, D. C., and S. G. Holt, Ithaca, N. Y. Bonde wire strain-gauge accelerometer. 2,638,335, May 12.

Kammerdiener, Harold L., Cadogan, Pa. Ground detect and protective system. 2,637,843, May 5.

Kammerer, Archer W., Fullerton, Calif. Hook tooth r tary drill bit and cutter. 2,641,447, June 9.

Kammerer, Archer W., Fullerton, Calif. Multiple e pansion rotary drill bit. 2,650,072, Aug. 25.

Kammerer, Archer W., Fullerton, Calif. Expansible r tary drill bit. 2,654,574, Oct. 6.

Kammerer, Archer W., Fullerton, Calif. Tandem e pansible rotary drill bit. 2,654,575, Oct. 6.

Kammerer, Archer W., Fullerton, Calif. Rotary drill b and cutter. 2,663,546, Dec. 22.

Kampa Company, Inc., assignee: *See*—
Kampa, George L.

Kampa, George L., assignor to Kampa Company, Inc., Mi neapolis, Minn. Rearview mirror mounting. 2,652,22 Sept. 15.

Kamper, Andrew M.: *See*—
Miller, Andrew C., Kamper, and Berry.

Kampf, Friedrich, and W. Uthemann, Leichlingen, Ge many, assignors of one-third to International Umbrel Supply Co., Inc., New York, N. Y., one-third to Su Products Company, Little Ferry, N. J., and one-third Rosenkaimer & Cie., Leichlingen, Germany. Garde umbrella. 2,661,752, Dec. 8.

Kamphoefner, Fred J., San Francisco, Calif., assignor the United States of America as represented by th Secretary of War. Panoramic receiver frequency se ting means. 2,630,528, Mar. 3.

Kampiade, Heinrich, Windsheim, assignor to Maschine fabrik Schmotzer G. m. b. H., Windsheim, Bavari Germany. Lifting device for the tool-carrier of agr cultural machines. 2,644,339, July 7.

Kampiade, Heinrich, Windsheim, assignor to Maschine fabrik Schmotzer G. m. b. H., Windsheim, Bavari Germany. Parallelogram mounted carrier for cultivato tools. 2,644,387, July 7.

Kanady, William E., Houston, Tex., assignor, by mes assignments, to Standard Oil Development Compan Elizabeth, N. J. Gum for perforating casing. 2,644,51 July 7.

Kanagy, Joseph R.: *See*—
Oehler, René, and Kanagy.

Kanaval, Stephen W., Cincinnati, Ohio. Flexible se mount. 2,657,737, Nov. 3.

Kandel, Joseph H., Washington, D. C. Vehicle antisk device. 2,630,155, Mar. 3.

Kandle, Charles W., Chicago, Ill. Coupling for car boring units. 2,639,931, May 26.

Kandle, Louis A., Philadelphia, Pa., assignor to Penja Manufacturing Company, Delanco, N. J. Bottle brea ing apparatus. 2,645,428, July 14.

Kandoian, Armig G., Glen Rock, N. J., assignor to Inte national Standard Electric Corporation, New Yo N. Y. Circularly polarized broad band antenn 2,640,928, June 2.

Kandoian, Armig G., New York, N. Y., and R. A. Felse held, East Orange, N. J., assignors to Federal Telepho and Radio Corporation, New York, N. Y. High altitu antenna. 2,627,026, Jan. 27.

Kane Chain Company, Incorporated, assignee: *See*—
Kane, John F.

Kane, Edward, and E. L. Whitlock, New York, N. Y. Pin ing shears. 2,658,274, Nov. 10.

Kane, Gideon, Green Bay, Wis. Web perforating mech nism. 2,628,681, Feb. 17.

Kane, Gideon, Green Bay, Wis. Waste stripping mech nism for carton blank forming apparatus. 2,647,44 Aug. 4.

Kane, Gideon, Green Bay, Wis. Feed mechanism f carton blank forming apparatus. 2,652,247, Sept. 15.

Kane, John E., assignor to The Frank H. Lee Compar Danbury, Conn. Fur blowing and mixing. 2,646,5 July 28.

Kane, John F., assignor to Kane Chain Company, Inc porated, Fall River, Mass. Traction chain fastene device for dual vehicle wheels. 2,624,388, Jan. 6.

Kane, John F., assignor to Kane Chain Company, Inc porated, Fall River, Mass. Dual wheel aligning ri for vehicles. 2,652,091, Sept. 15.

Kanell, Theodore, assignor, by mesne assignments, A. Kompaniez, Los Angeles, Calif. Door lat 2,649,324, Aug. 18.

Kanemoto, Jimmie T., Longmont, Colo. Irrigation da stick. 2,636,353, Apr. 28.

Kaney, Joseph F., Philadelphia, Pa. Valve testing app ratus. 2,637,197, May 5.

Kanin, Ruth, New York, N. Y. Sleeve constructio 2,626,396, Jan. 27.

Kanne, William R., Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Monitoring gas for radioactive xenon. 2,623,657, Jan. 13.

Kanning, Eugene W., and E. G. Hart, assignors to The Arco Company, Cleveland, Ohio. Interpolymer of vinyl-aromatic compound and conjugated oil fatty acid. 2,655,488, Oct. 13.

Kanode, Albert E., Towson, C. H. Cooke, Baltimore County, and F. V. Lindquist, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Retractable landing gear. 2,630,990, Mar. 10.

Kanode, Albert E., Towson, and C. H. Matson, assignors to The Glenn L. Martin Company, Middle River, Md. Container for inflammable liquids. 2,653,541, Sept. 29.

Kanof, Abram: *See*—
Sulzberger, Marion B., Kanof, and Baer.

Kant, Edwin S.: *See*—
Cutler, Wallace M., Greenough, and Kant.

Kant, Edwin S., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoes. 2,642,596, June 23.

Kanta, George E., Three Forks, Mont., assignor to The Hoover Company, North Canton, Ohio. Iron. 2,660,821, Dec. 1.

Kanter, Jack C., Norfolk, Va. Cotton roll holder. 2,651,109, Sept. 8.

Kanter, Mike, assignor to United Buff Products Corporation, Passaic, N. J. Buffing wheel. 2,637,957, May 12.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Apparatus for sealing containers while crowning under vacuum. 2,625,312, Jan. 13.

Kantor, James, and E. Rosenberg, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Combined water cooler and carbonator. 2,628,825, Feb. 17.

Kantor, Russell P., assignor to Alex. Lee Wallan Incorporated, New York, N. Y. Footcap. 2,649,588, Aug. 25.

Kantrowitz, Arthur, Hampton, Va. Axial-flow compressor. 2,628,768, Feb. 17.

Kantz, John J., Jr., and O. J. Lindell, assignors to The Great Lakes Tractor Company, Rock Creek, Ohio. Garden tractor. 2,657,621, Nov. 3.

Kantzler, John J., St. Clair, Mich. Apparatus for producing prefabricated building walls. 2,626,643, Jan. 27.

Kanuch, John A., Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Hydraulic power unit. 2,634,621, Apr. 14.

Kanuch, John A., South Euclid, assignor to Great Lakes Manufacturing Corporation, Cleveland, Ohio. Adjustable hydraulic connecting member. 2,658,588, Nov. 10.

Kany, John A., Berkley, assignor to Ford Motor Company, Dearborn, Mich. Torsion spring suspension. 2,624,568, Jan. 6.

Kaplan, Abraham L., Beloit, Wis. Valve reseater. 2,632,984, Mar. 31.

Kaplan, Albert J., Hoboken, N. J. Foundation garment. 2,634,417, Apr. 14.

Kaplan, Benjamin B., assignor to Industrial Molded Products Co. Inc., St. Paul, Minn. Automatically operated cutting wheel for opening envelopes. 2,656,889, Oct. 27.

Kaplan, Henry: *See*—
McKenney, Henry F., and Kaplan.

Kaplan, Hyman C., assignor, by mesne assignments, to Efficient Equipment, Inc., Chicago, Ill. Self-loading vehicle and controls therefor. 2,624,478, Jan. 6.

Kaplan, Irving, Flushing, N. Y. Tacking for pressure sensitive adhesive tape and adhesive roll for the same. 2,634,877, Apr. 14.

Kaplan, Irving, Flushing, N. Y. Tape dispenser and applicator. 2,663,444, Dec. 22.

Kaplan, Irving, Jamaica, N. Y. Tape release for tape applicators. 2,645,477, July 14.

Kaplan, Morris L., assignor to The Shirtcraft Co., Inc., Hazleton, Pa. Zipper shirt. 2,636,177, Apr. 28.

Kaplan, Morris L., assignor to The Shirtcraft Co., Inc., Hazleton, Pa. Zipper shirt. 2,639,432, May 26.

Kaplan, Nathan, Atlanta, Ga. Fish-scaling cylinder construction. 2,653,345, Sept. 29.

Kaplan, Sam, Sioux City, Iowa. Tubular gate. 2,659,168, Nov. 17.

Kaplan, Simon, Brooklyn, N. Y. Garment holding case. 2,656,913, Oct. 27.

Kaplan, Sol, University City, and B. Platts, St. Louis, Mo. Cheese cutter. 2,658,275, Nov. 10.

Kaplowitz, Morris, New York, N. Y., assignor to Federal Manufacturing & Engineering Corp. Enlarging apparatus. 2,634,651, Apr. 14.

Kapnick, Edward C., Adrian, Mich. Drill end sharpening means. 2,632,983, Mar. 31.

Kapp, Roland, Newark, N. J., S. Chodroff, Brooklyn, N. Y., and L. Sofield, Red Bank, assignors to Nopco Chemical Company, Harrison, N. J. Production of 7-dehydrosterols. 2,642,446, June 16.

Kappe, Stanley E., Washington, D. C. Sewage digester. 2,638,444, May 12.

Kappeler, John A., assignee: *See*—
Lucas, Joseph J.

Kappeler, Markus, W. Steinemann, and W. Wehrli, assignors to Sandoz A. G., Basel, Switzerland. Disazo dyestuffs. 2,646,338, July 21.

Kapranos, Spiro W.: *See*—
Benjamin, Donald G., and Kapranos.

Kapteyn, Edwin J.: *See*—
Ihle, Orden E., and Kapteyn.

Karas, Walter, Detroit, Mich. Curtain stretcher. 2,637,135, May 5.

Karasek, Stanislaus, Vienna, Austria. Collapsible camp bed. 2,641,777, June 16.

Karash, Walter J., Cleveland, and A. G. Foote, Wickliffe, Ohio, assignors to General Electric Company. Metal vaporizer and method for vapor coating. 2,660,540, Nov. 24.

Kärcher, Alfred, Winnenden, Germany. Apparatus for producing vibrations in liquid baths. 2,659,223, Nov. 17.

Karcher, Floyde J. F., executrix: *See*—
Field, Lloyd M.

Karg, Charles A., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Flexible edge seat. 2,633,184, Mar. 31.

Karge, Maxwell R., Brockport, N. Y. Apparatus for turning slender work. 2,635,499, Apr. 21.

Karig, Erhardt, assignor to Patentverwertung W. Reimers G. m. b. H., Bad Homburg vor der Hohe, Germany. Pulley for variable speed transmissions. 2,651,208, Sept. 8.

Karig, Erhardt, assignor to Patentverwertung W. Reimers, G. m. b. H., Bad Homburg vor der Hohe, Germany. Transmission chain for V-type pulleys. 2,651,211, Sept. 8.

Karig, Horace E., Pasadena, Calif. Fluid servo apparatus. 2,635,581, Apr. 21.

Karig, Horace E., Pasadena, Calif. Method of and apparatus for lubrication and cooling of surfaces. 2,664,173, Dec. 29.

Karitzky, John, Crawford, assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Drive ring. 2,642,242, June 16.

Karlby, Henning, Pittsburgh, Pa. Automobile body structure. 2,637,592, May 5.

Karlby, Henning, Pittsburgh, Pa. Ram jet turbine. 2,644,301, July 7.

Karlen, Harvey R., assignor to Cory Corporation, Chicago, Ill. Receptacle filling and liquid level control system. 2,639,078, May 19.

Karll, Robert E.: *See*—
Lemmon, Norman E., and Karll.

Karlson, Gunnar G.: *See*—
Geddes, Walter H., Karlson, and Werensky.

Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Snapping roll with rubber inserts. 2,629,384, Feb. 24.

Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Corn picking and snapping rolls. 2,634,731, Apr. 14.

Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Corn picker roll adjusting mechanism. 2,645,075, July 14.

Karlsson, Karl A., Stockholm, Sweden. Pulp treating apparatus. 2,653,520, Sept. 29.

Karlsson, Per H.: *See*—
Hammond, William E., and Karlsson.

Karlstrom, Johan F. R., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Dishwashing apparatus having provision for automatically controlling flow of liquid. 2,631,059, Mar. 10.

Karlstrom, Johan F. R., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Kitchen mixing machine. 2,645,465, July 14.

Karlström, Karl A. S., Gavle, Sweden. Vibrator. 2,649,286, Aug. 18.

Karns, James A., Akron, Ohio, assignor to Fawick Flexi-Grip Company. Golf tee. 2,626,150, Jan. 20.

Karow, George F., Saginaw, Mich. Crank assembly. 2,635,484, Apr. 21.

Karow, George F., Saginaw, Mich. Motion transmitting connection. 2,648,581, Aug. 11.

Karp, Edward C., Belvidere, and S. G. Berglund, Rockford, assignors to Sanitary Scale Company, Belvidere, Ill. Tare adjustment device. 2,658,746, Nov. 10.

Karp, Harry, Atlantic Beach, N. Y. Bathroom fixture. 2,627,074, Feb. 3.

Karp, Max S., West Los Angeles, Calif. Sliding door structure. 2,644,205, July 7.

Karpeles, Mark A., Tarrytown, N. Y., assignor to General Precision Laboratory Incorporated. Noise compressor. 2,639,386, May 19.

Karper, Abraham S., Ellenville, N. Y. Filing device. 2,628,618, Feb. 17.

Karpus, John T., Jr.: *See*—
Stresen Reuter, John H., and Karpus.

Karr, Errol H.: *See*—
Earnest, William K., and Karr.

Karr, Kenneth K., Tulsa, Okla. Toilet tank flush valve. 2,643,393, June 30.

Karrer, Sebastian, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Combined electromagnetic control device with small travel armature and motion increasing means therefor. 2,635,637, Apr. 21.

Karstedt, Elmer C., Burlington, Wis. Container-dispenser for poisoned bait. 2,650,451, Sept. 1.

Karsten, Kenneth S., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Fumigant composition and process. 2,651,590, Sept. 8.

Karsten, Olav, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electromagnetic slip coupling. 2,650,315, Aug. 25.

Kartarik, Henry: *See*—
Bjorklund, Warren, and Kartarik.

Karthauser, Fritz B.: *See*—
Thring, Meredith W., and Karthauser.

Karty, Julius L., St. Louis, and M. Lief, Overland, assignors to Universal Match Corporation, St. Louis, Mo. Ring clamp. 2,634,940, Apr. 14.

Karwacki, Joseph M., Chicago, Ill. Power-driven can opener. 2,662,278, Dec. 15.

Kary, Roland M., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Organic arseno polysulfides. 2,646,440, July 21.

Kas, John L., Boston, Mass. Pellet injector. 2,632,444, Mar. 24.

Kas, John L., Sr., Boston, Mass. Dosing hypodermic syringe. 2,632,445, Mar. 24.

Kaschak, Anthony H., Bristol, Conn. Sliding mailbox apparatus. 2,656,138, Oct. 20.

Kasehagen, Leo, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Continuous hydrogenation of sugars. 2,642,462, June 16.

Kasehagen, Leo, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Continuous separator. 2,656,895, Oct. 27.

Kasevniak, Joseph J., Magna, Utah. Concentration of copper oxide ores with nitrites. 2,648,431, Aug. 11.

Kashlian, Tatios, Cleveland, Ohio. Moccasin and means for drawing same around the foot. 2,627,677, Feb. 10.

Kasnowich, Anthony M., Grand Rapids, Mich., assignor, by mesne assignments, to A M I Incorporated. Record changer for phonographs. 2,634,984, Apr. 14.

Kasnowich, Anthony M., Grand Rapids, Mich. Arm support for operating beds. 2,642,250, June 16.

Kason Hardware Corporation, assignee: *See*—
Groeger, Alfred H.

Kasper, Cass S., Grosse Pointe, Mich. Apparatus for feeding a plurality of selectively oriented elongated articles. 2,657,404, Nov. 3.

Kasper, Cass S., Grosse Pointe, Mich. Automatic part loading machine. 2,661,881, Dec. 8.

Kasper, Elmer J.: *See*—
Hunter, Robert H., and Kasper.

Kasprow, Anthony F., assignee: *See*—
Swanson, Bror W.

Kasprow, Felix A., assignee: *See*—
Swanson, Bror W.

Kasprow, Joseph W., assignee: *See*—
Swanson, Bror W.

Kasprow, Stephen G., assignee: *See*—
Swanson, Bror W.

Kass, John C. and T. C., Ravenna, Mich. Christmas tree stand. 2,628,798, Feb. 17.

Kass, Peter, assignor to Atlas Powder Company, Wilmington, Del. Linear polyester resins. 2,634,251, Apr. 7.

Kass, Peter, assignor to Atlas Powder Company, Wilmington, Del. Addition of fatty alcohol to yeast raised bakery products. 2,657,143, Oct. 27.

Kass, Peter, assignor to Atlas Powder Company, Wilmington, Del. Linear polyester resins. 2,662,069, Dec. 8.

Kass, Peter, Wilmington, and B. W. Lew, Arden, assignors to Atlas Powder Company, Wilmington, Del. Quick curing polyester resins. 2,662,070, Dec. 8.

Kass, Samuel M., Philadelphia, Pa. Window construction. 2,627,091, Feb. 3.

Kass, Samuel M., Philadelphia, Pa. Adjustable guide bracket. 2,632,181, Mar. 24.

Kass, Samuel M., Philadelphia, Pa. Securing device for faucet handles. 2,636,756, Apr. 28.

Kass, Sholom: *See*—
Davis, Howard, Kass, Kelliher, and Pick.

Kass, Theodore C.: *See*—
Kass, John C. and T. C.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for conducting catalytic endothermic and exothermic reactions. 2,626,204, Jan. 20.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Distillation of solid carbonaceous materials. 2,637,683, May 5.

Kasser, Morris, Roseville, Calif. Vacuum method and device for cooling produce. 2,651,184, Sept. 8.

Kassimir, William J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Apparatus for testing electric timers. 2,629,009, Feb. 17.

Kast, Richard P., Middletown, Ohio. High-strength paper and making. 2,653,870, Sept. 29.

Kasten, Walter, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Filter. 2,635,174, Apr. 14.

Kasten, Walter, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid filtering and metering device. 2,635,641, Apr. 21.

Kasten, Walter, Detroit, Mich., and L. C. Anderson, Cleveland, Ohio, assignors to Bendix Aviation Corporation, South Bend, Ind. Electrical resistor. 2,647,976, Aug. 4.

Kaster, Richard H., Denver, Colo. Lug wrench support. 2,632,350, Mar. 24.

Kaston, Henryk, New York, N. Y., and T. L. Fawick, Cleveland, Ohio. Inflatable umbrella. 2,625,940, Jan. 20.

Kastning, Ernst H.: *See*—
Van Wessem, Gijsbertus C., and Kastning.

Katcher, Morris, New York, N. Y. Fuel and vacuum pump operating levers and operating springs therefor. 2,653,544, Sept. 29.

Kates, Don B., Los Angeles, Calif. Hose clamp. 2,651,095, Sept. 8.

Kath, Alfred W., Detroit, Mich., assignor to Eli Lilly and Company, Indianapolis, Ind. Capsule filling machine. 2,630,953, Mar. 10.

Katovsich, Thomas L., St. Joseph County, Ind. Mixer for use in jetting apparatus. 2,661,194, Dec. 1.

Kattis, Theodore, Bedford, Ind. Clear ice-making machine. 2,650,479, Sept. 1.

Katz, Abraham A., Cambridge, Mass. Preparing Goodyear welt insoles. 2,637,863, May 12.

Katz, Alex J.: *See*—
Bank, Albert M., and Katz.

Katz, Bernard, and D. M. Weisglass, Brooklyn, N. Y. Music box pocketbook. 2,657,607, Nov. 3.

Katz, Greta, Beverly Hills, Calif. Brassière. 2,660,729, Dec. 1.

Katz, Jacob R., University City, Mo. Base materials for frozen desserts. 2,658,831, Nov. 10.

Katz, Leon: *See*—
Grant, F. Eugene, and Katz.

Katz, Leon, Cincinnati, Ohio, assignor to Schenley Industries, Inc., New York, N. Y. Substituted benzaldehyde thiosemicarbazone. 2,650,937, Sept. 1.

Katz, Leon, Cincinnati, Ohio, assignor to Schenley Industries, Inc., New York, N. Y. 2'-(4'-lower alkanoyaminobenzal) - 6 - acetylamino - hydrazinobenzothiazole-2. 2,659,730, Nov. 17.

Katz, Leonhard, Dayton, Ohio. Projectile control system. 2,644,397, July 7.

Katz, Leonhard, Woburn, assignor to Raytheon Manufacturing Company, Newton, Mass. Turbulent flow, restricted passage drier. 2,659,162, Nov. 17.

Katz, Martin, New York, N. Y. Mail chute. 2,637,436, May 5.

Katz, Morris, Ottawa, Ontario, Canada. Metal oxide impregnated with silver permanganate as oxidation agent. 2,657,182, Oct. 27.

Katz, Murray: *See*—
Winsten, Walter A., and Katz.

Katz, Nathan, New York, N. Y. Skip-numbering mechanism for printing presses or the like. 2,652,772, Sept. 22.

Katz, Robert, Brooklyn, N. Y. Door. 2,644,554, July 7.

Katz, Rudi, Long Beach, N. Y. Locking device for electric plugs. 2,654,073, Sept. 29.

Katz, Sigmund: *See*—
Berman, Hans, and Katz.

Katz, Stanley S., Union, N. J. Air conditioning unit for automotive vehicles. 2,627,218, Feb. 3.

Katzenberger, Bernhard, Heidelberg, assignor to Brown, Boveri & Cie., Aktiengesellschaft, Mannheim-Kafertal, Germany. Refrigerator and deep freezer system. 2,658,355, Nov. 10.

Katzman, Oscar, Los Angeles, Calif., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. 2,634,481, Apr. 14.

Katzmann, Helmut R.: *See*—
Krouse, Lee M., Nourse, Katzmann, and Howard.

Katzoff, Helen C. S., Kenmore, N. Y. Headboard for bed. 2,624,891, Jan. 13.

Katzung, Barney L., and M. A. Reim, Albert Lea, Minn. Trolling plate. 2,654,336, Oct. 6.

Kauck, Edward A.: *See*—
La Zerte, James D., Pearlson, and Kauck.

Kauck, Edward A., St. Paul, Minn., and J. H. Simons, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Perfluoro N-alkyl piperidines. 2,631,151, Mar. 10.

Kauck, Edward A., St. Paul, Minn., and J. H. Simons, Gainesville, Fla., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Cyclic fluorocarbon ethers. 2,644,823, July 7.

Kauer, Kenneth C.: *See*—
Britton, Edgar C., Alquist, and Kauer.

Kauffman, Glen W., assignee: *See*—
Parker, Loring S.

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,659,227, Nov. 17.

Kauffmann, Hans O.: *See*—
Shanley, Edward S., and Kauffmann.

Kauffmann, Hans O., Eggertsville, and J. F. Whalen, Jr., Kenmore, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Refractory. 2,662,823, Dec. 15.

Kaufman, Alfred S., assignor to Alseka Clothing Company, Inc., New York, N. Y. Combined belt and garment. 2,625,688, Jan. 20.

Kaufman, Clarence, Butler, Mo. Engine valve oiling mechanism. 2,627,319, Feb. 3.

Kaufman, Elmer A., Huntington Woods, assignor to Burroughs Adding Machine Company, Detroit, Mich. Foldable carton. 2,634,040, Apr. 7.

Kaufman, George E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,649,608, Aug. 25.

Kaufman, Irving, Bronx, N. Y. Finishing process for felt and felt hat bodies. 2,626,732, Jan. 27.

Kaufman, Jack L., New York, N. Y. Adjustable band for ladies' wrist watches or the like. 2,635,315, Apr. 21.

Kaufman, Morris, and A. F. Williams, assignors to C. D. Patents Limited, London, England. Manufacture of acenaphthylene resins. 2,632,749, Mar. 24.

Kaufman, Ralph, Walden, N. Y. Storm window sash kit. 2,632,928, Mar. 31.

Kaufman, Samuel M., assignee: *See*—
Ziska, Adam.

Kaufman, Sandor, Yonkers, N. Y. Female undergarment. 2,647,260, Aug. 4.

Kaufman, Sarah, New York, N. Y. Brassière. 2,632,168, Mar. 24.

Kaufman, Stephen: *See*—
Rosenkranz, George, Kaufman, and Pataki.

Kaufman, William, Great Neck, N. Y. Marking instrument. 2,645,853, July 21.

Kaufmann Corporation, The, assignee: *See*—
Kaufmann, Harry A.

Kaufmann, Frank H., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness connector. 2,659,394, Nov. 17.

Kaufmann, Harry A., assignor to The Kaufmann Corporation, Detroit, Mich. Screen frame construction intended primarily for shade screens. 2,627,311, Feb. 3.

Kaufmann, Harry A., assignor to The Kaufmann Corporation, Detroit, Mich. Latching means for window meeting rails. 2,656,574, Oct. 27.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,625,958, Jan. 20.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,635,645, Apr. 21.

Kaufmann, Stephen: *See*—
Neumann, Francisco, Pataki and Kaufmann.

Kaul, Arthur A., Chehalis, Wash. Weather shield for automobile windows. 2,657,089, Oct. 27.

Kaul, Fred, Buenos Aires, Argentina. Apparatus for hair dyeing. 2,660,182, Nov. 24.

Kaulakis, Arnold F., Chatham, N. J., assignor to Standard Oil Development Company. Process and apparatus for hydrating cracking catalyst. 2,631,123, Mar. 10.

Kauper, Frederick B., Silver Spring, Md. Instrument repair lighting table. 2,629,924, Mar. 3.

Kaupke, Lee H., Stockton, Calif., assignor to International Harvester Company. Tool-bar for crawler tractors. 2,660,938, Dec. 1.

Kapp, Ethel R., New York, N. Y. Girdle construction. 2,637,033, May 5.

Kautz, Karl, Massillon, Ohio. Apparatus for continuously filtering solids from gases. 2,661,811, Dec. 8.

Kavalar, Alfred, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Convertible top boot construction. 2,664,309, Dec. 29.

Kavanagh, Arthur J., Darien, Conn., assignor to American Optical Company, Southbridge, Mass. Reflecting type image forming lens system. 2,664,026, Dec. 29.

Kavanagh, Arthur J., Stamford, Conn., assignor to American Optical Company, Southbridge, Mass. Optical system. 2,662,187, Dec. 8.

Kavanaugh, Floyd J., Galveston, assignor of fifty per cent to Clark & Courts Investment Company, Houston, Tex. Typewriter front feed attachment. 2,642,975, June 23.

Kavanaugh, Floyd J., Galveston, Tex., assignor to R. C. Allen Business Machines, Inc., Grand Rapids, Mich. Adjustable escapement mechanism for typewriters. 2,645,324, July 14.

Kaveler, Herman H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Retarded set cement and slurries thereof. 2,629,667, Feb. 24.

Kaweckl Chemical Company, assignee: *See*—
Kaweckl, Henry C.

Kaweckl, Eugene, Detroit; assignor to K & L Plastic Products Inc., St. Clair Shores, Mich. Dispensing container for rolled sheet material. 2,633,396, Mar. 31.

Kaweckl, Henry C., Fleetwood, assignor to Kaweckl Chemical Company, Boyertown, Pa. Production of alkali metal fluotitanates and fluozirconates. 2,653,855, Sept. 29.

Kaweckl, Henry C., Temple, assignor to The Beryllium Corporation, Reading, Pa. Producing beryllium basic acetate. 2,641,611, June 9.

Kaweckl, Henry C., Temple, assignor to The Beryllium Corporation, Reading, Pa. Forming alkaline earth metal-beryllium double fluoride compounds. 2,647,817, Aug. 4.

Kaweckl, Henry C., Temple, Pa., assignor to The Beryllium Corporation. Preparing beryllium fluoride. 2,647,818, Aug. 4.

Kaweckl, Henry C., Temple, Pa., assignor to The Beryllium Corporation. Preparing beryllium oxide. 2,647,821, Aug. 4.

Kaweckl, Henry S., Ortonville, and C. J. Glowzinski, assignors to General Motors Corporation, Detroit, Mich. Parking brake indicator light. 2,653,197, Sept. 22.

Kawka, Adam C.: *See*—
Caprara, André J., and Kawka.

Kawneer Company, The, assignee: *See*—
Huizenga, Charles B.
Peterson, Victor E.
Simpson, Arthur M.

Kay-Brunner Steel Products, Inc., assignee: *See*—
Kadz, Harald D.

Kay, Isadore, Chicago, Ill. Nonsag garment pocket. 2,637,040, May 5.

Kay, James A.: *See*—
Rose, Alfred G., Kay, and Page.

Kay, James A., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for transferring and conveying articles. 2,646,869, July 28.

Kaye, James W., Montclair, assignor to Kaye & MacDonald, Inc., West Orange, N. J. In-line steam trap. 2,638,913, May 19.

Kay, John G., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Machine for forming annular sheet metal workpieces. 2,659,407, Nov. 17.

Kay, Leah A., Amarillo, Tex. Baby garment. 2,657,689, Nov. 3.

Kay, Leopold M., New York, N. Y., assignor to C B S-Columbia Inc. Television receiver adjusting system. 2,657,263, Oct. 27.

Kay Manufacturing Corporation, assignee: *See*—
Krakauer, Edwin G.

Kay, Oscar J., Glendale, and L. A. Lingensjo, Encino, assignors to General Water Heater Corporation, Burbank, Calif. Overheat control. 2,633,516, Mar. 31.

Kay, Samuel, New York, N. Y. Dental paralleling apparatus. 2,653,385, Sept. 29.

Kaye, Emmanuel, assignee: *See*—
Arnot, Alfred E. R.

Kaye, Irving A., Brooklyn, assignor to Endo Products, Inc., Richmond Hill, N. Y. N-substituted-2-amino (methyl) quinolines. 2,652,398, Sept. 15.

Kaye, James W., Montclair, assignor to Kaye & MacDonald, Inc., West Orange, N. J. Lever system for steam traps. 2,649,815, Aug. 25.

Kaye, James W., Montclair, assignor to Kaye & MacDonald, Inc., West Orange, N. J. Valve for continuous boiler blowdown. 2,654,395, Oct. 6.

Kaye, John, Banning, Calif. Code keying system. 2,658,946, Nov. 10.

Kaye & MacDonald, Inc., assignee: *See*—
Kaye, James W.

Kaye, Philip D.: *See*—
Klepetko, Ernest, and Kaye.

Kaye, Robert L., Newark, N. J. 5 and 10 drum flush unit. 2,650,601, Sept. 1.

Kaye, William A., Berkeley, Calif., assignor to Pabco Products Inc. Coating mineral particles. 2,644,772, July 7.

Kayler, Frank H.: *See*—
Tack, Carl E., Bachman, and Kayler.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler pin protector. 2,626,064, Jan. 20.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Fifth wheel coupling mechanism. 2,640,707, June 2.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Resiliently mounted fifth wheel member. 2,648,544, Aug. 11.

Kaylor, James W., assignor to Cinecolor Corporation, Burbank, Calif. Motion-picture magazine. 2,633,305, Mar. 31.

Kaynar Manufacturing Company, assignee: *See*—
Ammen, Francis D.

Kayser, Allan J., assignor of fifty per cent to M. L. Kurland, forty per cent to G. K. Israel, and ten per cent to R. L. Kayser, Denver, Colo. Water sealing device for automotive wheels. 2,657,104, Oct. 27.

Kayser, Hans G.: *See*—
Dorschner, Oskar, Wenzel, and Kayser.

Kayser, Rosalind L., assignee: *See*—
Kayser, Allan J.

Kazebee, Charles R.: *See*—
Ranney, Percival K., and Kazebee.

Kazebee, Charles R., assignor to France Manufacturing Company, Cleveland, Ohio. System and apparatus for gaseous tubes. 2,648,802, Aug. 11.

Kazmierski, Elias A.: *See*—
Marquez, Charles L., Jr., and Kazmierski.

Keadle, James R., Alderson, W. Va. Slingshot gun. 2,638,885, May 19.

Keal Products, Inc., assignee: *See*—
Ederer, Lothar A.

Keammerer, Roy P., Gary, Ind., assignor to United States Steel Corporation. Corrosion resistant valve. 2,643,679, June 30.

Kear, William J., assignor to Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Clamping device. 2,627,210, Feb. 3.

Kearful, Godfrey G.: *See*—
Lincoln, Clovis W., Kearful, and Galonska.

Kearful, Godfrey G., Saginaw, assignor to General Motors Corporation, Detroit, Mich. Electric windshield wiper. 2,651,802, Sept. 15.

Kearney, Eugene D., Rochester, N. Y. Door brake. 2,638,619, May 19.

Kearney, James R., Corporation, assignee: *See*—
Bott, Perry J.
Clements, Howard E.
Gesellschap, Robert A.
Graham, Roy G., and Tallman.
Hanks, Kenneth O., Jr.
Hellstern, Cernon.
Hoffman, Joseph D., Rees, and Hucker.
Runde, Kenneth R.
Thornton, John A.

Kearney, Joseph W., Dorchester, and W. R. Rambo, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Method and means for wide band frequency modulation. 2,652,539, Sept. 15.

Kearney, Thomas J., and F. E. McGregor, assignors to Detrex Corporation, Detroit, Mich. Apparatus for treatment with liquids. 2,656,652, Oct. 27.

Kearney & Trecker Corporation, assignee: *See*—
Armitage, Joseph B.
Armitage, Joseph B., and Eserkaln.
Armitage, Joseph B., and Flannery.
Gano, Joseph J.
Thomas, Albert G.

Kearney, Walter T., assignor of 49 percent to L. Guittar, Sr., St. Louis, Mo. Adjustable miter rule attachment. 2,638,134, May 12.

Kearns, Bernard A.: *See*—
Decker, Jacob, and Kearns.

Kearns, Charles M., Jr., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Blade retention means with increased stiffness. 2,652,123, Sept. 15.

Kearns, Charles M., Jr., Wethersfield, Conn., and G. T. Lampton, Culver City, Calif., assignors to United Aircraft Corporation, East Hartford, Conn. Hollow propeller blade with bulbed core. 2,652,121, Sept. 15.

Kearns, H. W. & Co. Limited, assignee: *See*—
Kearns, Henry W. L.

Kearns, Henry W. L., Altrincham, assignor to H. W. Kearns & Co. Limited, Broadheath, England. Control of electrically effected adjustments of horizontal boring machines. 2,639,412, May 19.

Kearny, Philip A., Baton Rouge, La. Venetian shade. 2,646,114, July 21.

Kearse, George P., assignor to American Phenolic Corporation, Chicago, Ill. Indoor television antenna. 2,658,144, Nov. 3.

Keary, Thomas J., Brockton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electromagnetic wave controlling apparatus. 2,638,547, May 12.

Keasbey and Mattison Company, assignee: *See*—
Williams, Paul E.

Keast, Dorothy M., Philadelphia, Pa. Pressing equipment for pile fabrics. 2,663,958, Dec. 29.

Keast, Francis H., Toronto, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Blading for compressors, turbines, and the like. 2,663,493, Dec. 22.

Keast, Francis H., Toronto, Ontario, and F. D. M. Williams, Weston, Ontario, assignors to A. V. Roe Canada Limited, Malton, Ontario, Canada. Vaporizer tube system. 2,648,197, Aug. 11.

Keates, Albert E., South Porcupine, Ontario, Canada. Casting reel. 2,656,992, Oct. 27.

Keating, Patrick J., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Weather-resistant concrete. 2,625,489, Jan. 13.

Keating, Richard T., Chicago, Ill. Deep fryer. 2,655,144, Oct. 13.

Keaton, Eugene P., Andrews, S. C. Boat trailer. 2,650,099, Aug. 25.

Keaton, Frank H., and D. C. Bettison, Omaha, Nebr. Rail flaw detecting apparatus. 2,624,779, Jan. 6.

Keaton, Robert H., San Francisco, Calif. Music typing machine. 2,631,712, Mar. 17.

Kebbon, Earl R., Chatham, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Floatable thermometer. 2,641,930, June 16.

Kebrich, Leonard M., Brooklyn, and A. R. Pitrot, Hempstead, assignors to National Lead Company, New York, N. Y. Preparing metallic soaps of fatty acids. 2,650,932, Sept. 1.

Keck, Cecil W., Cartersville, Mo. Hose clamp. 2,629,908, Mar. 3.

Kedzie, Adam S.: *See*—
Schulz, Carl G., and Kedzie.

Keeble, John: *See*—
Everitt, Philip F., and Keeble.

Keefe, Lincoln M., Woodside, N. Y. Dispensing device. 2,643,929, June 30.

Keegan, Frank X., assignor to The Pyle-National Company, Chicago, Ill. Retaining mechanism for sealed beam lamp type locomotive headlight assemblies. 2,644,076, June 30.

Keegan, Jane M., Evanston, Ill. Coaster. 2,652,703, Sept. 22.

Keegan, Thomas F., assignee: *See*—
Garnett, Donald W.

Keelavite Company Limited, The, assignee: *See*—
Johnson, Edward H.
Levetus, Francis B.

Keeler Brass Company, assignee: *See*—
Jakeway, Gerald V.

Keeler, E., Company, The, assignee: *See*—
Miller, Charles W.

Keeler, Price M., Hempstead, N. Y., assignor to United States of America as represented by the Secretary of War. Split truncated cone antenna. 2,659,002, Nov. 1

Keeler, Raymond W.: *See*—
Gifford, Clayton E., and Keeler.

Keeling, Wilmer B., Meherrin, Va. Instrument for treating prostate glands. 2,642,874, June 23.

Kee Lox Manufacturing Company, assignee: *See*—
Doyle, Joseph C.

Keely, Harry W.: *See*—
Coolidge, Roger S., Keely, Smith, and Anderson.

Keen, Albert J.: *See*—
Routledge, Christopher A., and Keen.

Keen, Harold H., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Card controlled printing machine. 2,661,68
Dec. 8.

Keen, Hermon C., assignor to Continental Car-Na-V Corporation, Brazil, Ind. Vacuum cleaning machin
2,643,732, June 30.

Keenan, Vincent J.: *See*—
Clarke, Edgar W., Doan, and Keenan.

Keenan, William J.: *See*—
Scharf, Philip T., and Keenan.

Keene, Leslie L., Los Angeles County, Calif. Linoleu
paste and making same. 2,662,025, Dec. 8.

Keene, Samuel I., assignee: *See*—
Hansen, Maurice.

**Keene, Walter L., Dormont, assignor to Superior Ste
Corporation, Pittsburgh, Pa.** Making a cold formed
metallic shape. 2,653,117, Sept. 22.

Keeney, James O., Manistee, Mich. Combined can pun
turing and can holder device. 2,663,460, Dec. 22.

Keepers, Charles M.: *See*—
Hill, Robert H., and Keepers.

Keerins, Grattan D.: *See*—
Stigum, Tom, and Keerins.

**Keese, Beverly W., Oshkosh, Wis., assignor to The Timke
Detroit Axle Company, Detroit, Mich.** Vehicle dri
mechanism. 2,647,597, Aug. 4.

Keeshan, Andrée G., administratrix: *See*—
Keeshan, William T.

**Keeshan, William T., deceased, Navesink, N. J.; A.
Keeshan, administratrix.** Fountain applicator wi
magnetic valve. 2,628,005, Feb. 10.

Keesling, Thomas B., Los Gatos, Calif. Peach pitt
2,652,872, Sept. 22.

**Keeton, James C., and E. B. Cones, Oklahoma City, Ok
Vehicle speed control system.** 2,656,002, Oct. 20.

Kegg, Harry C., Westerville, Ohio. Automatic weighi
and separating device. 2,654,558, Oct. 6.

**Kehde, Howard, New York, N. Y., assignor to Union
Company of California, Los Angeles, Calif.** Control
gas product streams in adsorption process and appa
tus. 2,630,876, Mar. 10.

**Kehe, Henry J., and J. E. Jansen, Akron, Ohio, assigno
to The B. F. Goodrich Company, New York, N.
Aralkylated bis-phenolic compounds.** 2,636,905, A
28.

Kehetian, Kasper, Detroit, Mich. Making prepar
sprouted wheat cereal. 2,627,464, Feb. 3.

Kehoe, Ellsworth A.: *See*—
Dermond, Lawrence C., and Kehoe.

**Kehrer, Fritz, assignor to Sandoz A. G., Basel, Switz
land.** Cupriferous trisazo dyestuffs. 2,653,148, Se
22.

**Kehrer, Fritz, and W. Wehrli, assignors to Sandoz A.
Basel, Switzerland.** Complex copper compounds of
azo dyestuffs. 2,633,462, Mar. 31.

**Keiffer, Raymond L., Chagrin Falls, and E. Lemme
Cleveland Height, Ohio, assignors to General Elect
Company.** Preheat neutralizing circuit for fluoresc
lamps. 2,644,107, June 30.

Keiger, Cyrus C., Charlotte, N. C. Dental instrume
2,629,172, Feb. 24.

**Keight, Albert W., Cumberland, Md., assignor to Celan
Corporation of America, New York, N. Y.** Yarn windi
apparatus. 2,630,976, Mar. 10.

Keil, Harvard L.: *See*—
Stoecker, George C., and Keil.

**Keil, Henry P., assignor to The Fixture Hardware Cor
ration, Chicago, Ill.** Moistening mechanism for rot
duplicating machines. 2,659,304, Nov. 17.

**Keillen, Saul, and J. Discenza, assignors to Pass & S
mour, Inc., Syracuse, N. Y.** Fault detecting pow
driven screw driver. 2,649,870, Aug. 25.

**Keim, Donald B., Syracuse, N. Y., assignor to Gene
Electric Company.** Nonslip pulley drive. 2,647,4
Aug. 4.

**Keim, Donald B., Syracuse, N. Y., assignor to Gene
Electric Company.** Cathode-ray tube socket. 2,654,8
Oct. 6.

Keinath, George, Larchmont, N. Y. Multiple diagra
frame recorder. 2,639,964, May 26.

**Keinath, Johannes, M. Kuhn, and F. Boss, Onstmetting
and L. Leitz, Wetzlar (Lahn), assignors to Ernst Le
G. m. b. H., Wetzlar, Germany.** Enlarging ea
2,660,919, Dec. 1.

Keiner, Karl: *See*—
Ravizza, Gottfried, Keiner, and Klein.

Keiper, Edward D., Jr.: *See*—
Atwood, Edwin H., and Keiper.

Keiper, Edwin H., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Reversible hammermill with power-driven impactor surfaces. 2,661,160, Dec. 1.

Keiper, Francis P., Cazenovia, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine. 2,647,386, Aug. 4.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Keiser, David H., Jr., West Lawn, Pa. Shearing action device. 2,661,534, Dec. 8.

Keiser, Edward W., and A. F. Kieser, Minneapolis, Minn. Attachment assembly for live boxes. 2,663,533, Dec. 22.

Keiser, George W., Jr., Syracuse, H. D. Muise, East Syracuse, and W. A. Miller, Liverpool, assignors to Robert Gair Company, Inc., New York, N. Y. Shipping device. 2,642,989, June 23.

Keitel, Hellmuth K., Kassel, Germany. Production of magnesium hydroxide. 2,659,661, Nov. 17.

Keiter, Robert W., Toledo, Ohio. Measuring dispenser construction. 2,630,250, Mar. 3.

Keith Blackman Limited, assignee: *See*—
Tavener, Ernest E.

Keith, Dan P., Lubbock, Tex. Straw conveyer for grain combines. 2,659,374, Nov. 17.

Keith, Dan P., Lubbock, Tex. Straw conveyer for grain combines. 2,662,529, Dec. 15.

Keith, Hubert L., Mishawaka, Ind. Dual voltage switching device. 2,663,000, Dec. 15.

Keith, John W., Beaumont, Tex., assignor to The Texas Company, New York, N. Y. Preparing dense compositions of asphalt and asbestos. 2,661,302, Dec. 1.

Keith, Mildred C., Miami, Fla. Drain flusher and cleaning device. 2,626,405, Jan. 27.

Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis. 2,631,159, Mar. 10.

Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Process and apparatus for exothermic reactions. 2,642,346, June 16.

Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Precooling air in oxygen production. 2,643,527, June 30.

Kelft, George W., C. Leben, and F. M. Strong, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Antimycin and production. 2,657,170, Oct. 27.

Kelzer, Eugene O.: *See*—
Donley, Hugh L., and Kelzer.

Kelzer, Eugene O., Princeton, N. J., assignor to Radio Corporation of America. Variable inductance structure. 2,645,718, July 14.

Keko, Wilbur L., R. E. Bennett, and F. C. Arzberger, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of bacitracin. 2,627,494, Feb. 3.

Kelbel, Donald W.: *See*—
Carnagua, Harold E., and Kelbel.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,625,057, Jan. 13.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,658,412, Nov. 10.

Kelco Company, assignee: *See*—
Steiner, Arnold B.
Steiner, Arnold B., and Rothe.

Kelcon Corporation, assignee: *See*—
Kelly, Stephen A., Jr., and Lindsay.

Keleher, James J., Sacramento, Calif., assignor to Prismo Products, Inc., Dayton, Ohio. Apparatus for dispensing small articles over a restricted area. 2,641,476, June 9.

Keleher, William H., Chicago, Ill. Floor rack for refrigerator cars. 2,625,889, Jan. 20.

Keleher, William H., Chicago, Ill. Hatch construction for railway cars. 2,652,787, Sept. 22.

Keleket X-ray Corporation, assignee: *See*—
Haupt, Walter H.
Landsverk, Ole G., and Rasmussen.
Sussin, David, and Ware.

Kelite Products, Inc., assignee: *See*—
Miller, Daniel E.
Wolford, William O.

Keljikan, John G.: *See*—
Jacobson, James J., and Keljikan.

Kelk, George F., Leaside, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Electronic control for contour milling machines. 2,655,630, Oct. 13.

Kell, Eugene L., San Francisco, Calif. Safety valve for air brake systems and the like. 2,638,308, May 12.

Kell, Ray D.: *See*—
Fredendall, Gordon L., and Kell.

Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Band width reducing system and method. 2,627,549, Feb. 3.

Kellems Company, assignee: *See*—
Kellems, David L.

Kellems, David L., Mystic, assignor to Kellems Company, Stonington, Conn. Interwoven mesh type cable grip. 2,650,400, Sept. 1.

Kellems, Edgar E., Pasadena, Calif. Drafting implement. 2,643,458, June 30.

Kellenbenz, Alexander, Browns Mills, N. J. Lubrication warning signal switch. 2,653,205, Sept. 22.

Keller, Arthur G.: *See*—
Horton, Paul M., and Keller.

Keller, Carl C.: *See*—
Hull, Charles B., and Keller.

Keller, Charles L., Winnetka, Ill., assignor to The Richardson Company, Lockland, Ohio. Bottle carrying case. 2,626,079, Jan. 20.

Keller, Clarence J.: *See*—
Nichols, Charles A., Todd, Fletcher, and Keller.

Keller, Clifford M., Chicago, Ill. Folding box. 2,658,660, Nov. 10.

Keller & Co., assignee: *See*—
Bamert, Johann.

Keller, Curt, Kusnacht, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Closed circuit power plant having bypass means to regulate heat input to each turbine. 2,641,905, June 16.

Keller, Curt, Kusnacht, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Plant for the recovery of waste heat from combustible gases derived from chemical processes. 2,658,349, Nov. 10.

Keller, Dan S., assignee: *See*—
Lynch, Omer E.

Keller, Dan W., and V. E. Rimsha, assignors to The Dole Valve Company, Chicago, Ill. Mixing valve. 2,647,692, Aug. 4.

Keller, Ernst, assignor to J. R. Geigy A. G., Basel, Switzerland. Copper-containing disazo dyestuffs. 2,636,030, Apr. 21.

Keller, Ernst, New York, N. Y., assignor to Machine Tool Works Oerlikon, Administration Company, Zurich/Oerlikon, Switzerland. Drive for sound recording and reproducing machines. 2,626,528, Jan. 27.

Keller, Ernst, New York, N. Y., assignor to Machine Tool Works Oerlikon, Administration Company, Zurich, Oerlikon, Switzerland. Track shifting and adjusting device for magnetic sound recorders and reproducers. 2,652,259, Sept. 15.

Keller, Ernst, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Magnetic sound recorder. 2,645,494, July 14.

Keller, George, West Caldwell, assignor to The Trucktor Corporation, Newark, N. J. Spring suspension for dual axles for trucks. 2,633,204, Mar. 31.

Keller, George H., Fair Lawn, N. J., assignor to Curtiss-Wright Corporation. Fin vibration damping means. 2,635,858, Apr. 21.

Keller, Harry, Philadelphia, Pa. Edge trimming machine. 2,663,352, Dec. 22.

Keller, Harry L., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Means for continuous heating and cooling of long flexible elements. 2,655,368, Oct. 13.

Keller, Kaufman T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Spare tire mounting. 2,631,886, Mar. 17.

Keller, Kaufman T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Limousine partition. 2,632,668, Mar. 24.

Keller and Knappich G. m. b. H. Maschinenfabrik, assignee: *See*—
Blessing, Albert, Staudenmeier, Tilch, and Kaiser.

Keller, Max, Zurich, Switzerland. Pressure-relief valve for pressure cooking vessels. 2,631,607, Mar. 17.

Keller, Max, Zurich, Switzerland. Pressure cooker. 2,660,330, Nov. 24.

Keller, Oscar: *See*—
Steiger, Norbert, and Keller.

Keller, Robert R., Manchester, N. H. Bonding press. 2,661,789, Dec. 8.

Keller, Russell J., Dayton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Brake. 2,626,020, Jan. 20.

Keller, Siegfried, Effretikon, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Control system for automatic single-chamber compressed air brakes. 2,661,248, Dec. 1.

Keller, Theodore W., Council Bluffs, Iowa, and C. W. Garvin, Omaha, Nebr. Bagmaking machine. 2,652,879, Sept. 22.

Keller Tool Company, assignee: *See*—
Myers, John G.
Shaff, Ernest H.

Keller, Walter P., Chicago, Ill. Plug-in electrical receptacle. 2,641,746, June 9.

Keller, William, Flint, Mich. Baffle type muffler. 2,663,378, Dec. 22.

Keller, William M.: *See*—
Steins, Carleton K., and Keller.

Kellett Aircraft Corporation, assignee: *See*—
Patterson, Wallace M.

Kellett, Leo L., Kansas City, Mo. Brush stripper attachment for liquid containers. 2,644,183, July 7.

Kelley, Bartram, Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Air displacement rotor with blade stabilizing weights. 2,644,536, July 7.

Kelley, George G., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Multichannel analyzer. 2,642,527, June 16.

Kelley, Herbert D., and W. E. Knott, assignors to Quality Tool & Machine, Akron, Ohio. Device for removing worn brake linings. 2,630,176, Mar. 3.

Kelley, Hugh, assignor to The J. B. Ehrsam & Sons Mfg. Co., Enterprise, Kans. Self-cleaning butterfly gate. 2,662,545, Dec. 15.

Kelley, Neil T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Jack storage structure. 2,631,766, Mar. 17.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Fluid drive and controls. 2,625,056, Jan. 13.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Compound gear drive. 2,633,760, Apr. 7.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Fluid control for rotary turbine type hydraulic torque converters. 2,638,746, May 19.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Cross drive for heavy vehicles. 2,655,054, Oct. 13.

Kelley, Oliver K., Birmingham, and W. S. Wolfram, Walled Lake, assignors to General Motors Corporation, Detroit, Mich. Rotary hydraulic torque converter with dynamic braking. 2,651,918, Sept. 15.

Kelley, Walter L., Avenal, Calif., and G. Adamec, New York, N. Y.; said Adamec assignor to said Kelley. Door lock and light control switch arrangement. 2,637,801, May 5.

Kelley, Walter T., Paducah, Ky. Ventilating cover for beehives. 2,654,900, Oct. 13.

Kelley, William B., Pawtucket, R. I., assignor to Owens-Corning Fiberglas Corporation. Air blower for linearly feeding a continuous strand. 2,639,487, May 26.

Kellgren, Waldo, Birchwood, and J. W. Marschall, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making stretchable unified paper. 2,633,430, Mar. 31.

Kellie, Edward P., Detroit, Mich. Pressure regulating valve. 2,645,884, July 21.

Kellie, Edward P., Detroit, Mich. Oil level equalizing device for multiple compressor arrangement. 2,646,212, July 21.

Kellie, Edward P., Detroit, Mich. Snap freezing by cooling a mass while under the pressure and quickly relieving the pressure. 2,649,702, Aug. 25.

Kelliher, Francis B., assignor to Whitin Machine Works, Whitinsville, Mass. Twister head driving mechanism for wool spinning machines. 2,654,212, Oct. 6.

Kelliher, Jerome F.: *See*—
Davis, Howard, Kass, Kelliher, and Pick.

Kelling, Leroy U. C., Schenectady, N. Y., assignor to General Electric Company. Thyratron reversing motor control system. 2,653,289, Sept. 22.

Kelling Nut Co., The, assignee: *See*—
Nemir, Clarence T.

Kellogg Company, assignee: *See*—
Cole, Earl S., and Vanderlip.

Kellogg, Edward W., and L. T. Sachtleben, Haddonfield, and J. F. Price, Erlton, N. J., assignors to Radio Corporation of America. Method of and apparatus for ampoule inspection. 2,635,194, Apr. 14.

Kellogg, Glenn A.: *See*—
Rerick, Albert H., and Kellogg.

Kellogg, Harry L.: *See*—
Bedford, Burnice D., and Kellogg.

Kellogg, Homer G., Highland Park, assignor to Motor Products Corporation, Detroit, Mich. Apparatus for producing metal parts. 2,650,635, Sept. 1.

Kellogg, Jack V., Ashtabula, Ohio. Toy bomber. 2,663,969, Dec. 29.

Kellogg, M. W., Company, The, assignee: *See*—
Aleck, Benjamin J.
Burton, William P.
Burton, William P., and Solomon.
Cooper, George T.
Degnen, William J., and Johnson.
Dickinson, John T.
Dickinson, Norman L.
Dittman, Albert L., and Wrightson.
Douglas, William S.
Dreibelbis, Logan L.
Hill, Luther R., and McGrath.
Holzwarth, Hans T.
Houghland, Glen S.
Johnson, William B.
Lobo, Walter E.
Loughran, Robert T.
Marshall, Walton H., Jr.
McGrath, Henry G.
McGrath, Henry G., and Hill.
McGrath, Henry G., Passino, and Rubin.
Miller, William T.
Moorman, Joseph W., and Kelly.
Morfit, Oliver.
Palmer, George H.
Passino, Herbert J.
Passino, Herbert J., and Meyers.
Riblett, Earl W., Burton, and Lefrancois.
Rubin, Louis C.
Schenk, Jan M.
Skelly, Joseph F.

Kellogg, Spencer, 2nd, Glen Head, N. Y., assignor to The Sperry Corporation. Flying aid for piloted aircraft. 2,644,941, July 7.

Kellogg Switchboard and Supply Company, assignee: *See*—
Arthur, Richard P.
Bellamy, John I.
Earle, Edwin L., and Arthur.
Hemminger, Paul.
Houdek, Joseph F., Jr.
Rose, Morris.
Saunders, Norman H., Hackett, and Bellamy.
Storey, Wilbur G.

Kells, Benjamin F., Mount Prospect, assignor to Container Corporation of America, Chicago, Ill. Partitioned container with closure. 2,633,285, Mar. 31.

Kells, Benjamin F., Mount Prospect, Ill., and N. M. Side, Marion, Ind., assignors to Container Corporation of America, Chicago, Ill. Bicycle wheel brace. 2,629,48 Feb. 24.

Kells, Edward L., Milwaukee, Wis., and D. H. Larse West Hollywood, Calif. Oxygen detection and measurement. 2,625,584, Jan. 13.

Kelly, Catherine M., administratrix: *See*—
Kelly, Joseph J., Morgan, and Smith.

Kelly, Charles L., Denver, Colo. Hay rake. 2,648,94 Aug. 18.

Kelly, Clyde W., assignor to Detroit Steel Products Co pany, Detroit, Mich. Door construction. 2,627,63 Feb. 10.

Kelly, Clyde W., assignor to Detroit Steel Products Co pany, Detroit, Mich. Lock and bolt operating mech nism for psychiatric screens. 2,645,924, July 21.

Kelly, Daniel A., assignor to The Prime Manufacturi Company, Milwaukee, Wis. Lubricator applicator f car wheels. 2,648,399, Aug. 11.

Kelly, Daniel A., assignor to The Prime Manufacturi Company, Milwaukee, Wis. Car wheel flange lubricato 2,656,898, Oct. 27.

Kelly, Donald H.: *See*—
Clark, Lauriston E., and Kelly.

Kelly, Earl M.: *See*—
Kivari, Arthur M., and Kelly.

Kelly, Earl M., Millbrae, assignor to Process Engineers Incorporated, San Francisco, Calif. Liquid level control. 2,633,863, Apr. 7.

Kelly, Earl M., Millbrae, Calif., assignor to Process Engineers Incorporated. Clarification. 2,647,869, Aug.

Kelly, Earl M., Millbrae, and S. I. Bousman, Mountain View, assignors to Process Engineers Incorporated, San Francisco, Calif. Variable level skimmer. 2,633,98 Apr. 7.

Kelly, Earl M., Burlingame, and A. M. Kivari, Los Angeles, assignors to Process Engineers Incorporated, San Francisco, Calif. Clarification. 2,647,870, Aug. 4.

Kelly, Earl M., Millbrae, and S. I. Bousman, Mountain View, Calif., assignors to Process Engineers Incorporated. Apparatus for cleaning a sight glass and the like. 2,648,857, Aug. 18.

Kelly, Earl M., Hillsborough, and A. M. Kivari, Los Angeles, assignors to Process Engineers Incorporated, San Francisco, Calif. Clarification apparatus. 2,651,61 Sept. 8.

Kelly, Edna M., administratrix: *See*—
Kelly, Richard N.

Kelly, Edward J., Seattle, Wash. Outboard motor carrie 2,663,474, Dec. 22.

Kelly, Frederick G., assignor to Thomas A. Edison, I corporated, West Orange, N. J. Gas expansion engin 2,649,078, Aug. 18.

Kelly, Frederick G., assignor to Thomas A. Edison, I corporated, West Orange, N. J. Long scale electric instrument. 2,660,707, Nov. 24.

Kelly, George M., Sturgis, Mich, assignor, by mesne assignments, to Kingston Products Corporation, Kokomo, Ind. Vacuum cleaner tool with adjustable brus 2,635,279, Apr. 21.

Kelly, George M., Sturgis, and C. M. Leatherman, Bronso Mich., assignors, by mesne assignments, to Kingst Products Corporation, Kokomo, Ind. Nozzle casing f broom-type vacuum cleaners. 2,626,418, Jan. 27.

Kelly, Gerald C., Apponaug, R. I. Bomb dropping toy-a plane. 2,643,126, June 23.

Kelly, Harry G., Forest Park, Ill. Pipe swab. 2,642,60 June 23.

Kelly, Henry J., Buffalo, N. Y. Magazine receptacl 2,636,531, Apr. 28.

Kelly, Henry W., Columbus, Ohio. Floor furnace wi removable heating unit. 2,625,151, Jan. 13.

Kelly, James B., Jr., assignor to Flannery and Associate Inc., Pittsburgh, Pa. Knockdown cabinet-type displ table. 2,651,557, Sept. 8.

Kelly, James F., Chicago, Ill. Article holder. 2,642,19 June 16.

Kelly, John D., New York, assignor of one-half to Johneas, Bellerose, N. Y. Tire pressure relief valv 2,633,148, Mar. 31.

Kelly, John H., Pittsburgh, Pa. Machine for simultaneously conditioning the attaching surface and trimmi the edge of unattached shoe soles. 2,656,555, Oct. 2

Kelly, John H., Jr., Wabash, Ind., assignor to The G eral Tire and Rubber Company, Akron, Ohio. Maki sponge rubber with the aid of amines. 2,643,981, Ju 30.

Kelly, Joseph J., deceased, Washington, D. C., C. F. Morgan, Falls Church, Va., and E. R. Smith, Washington, D. C.; C. M. Kelly administratrix of said J. J. Kelly. Dental cream containing benzalkonium halide and sulfa drug. 2,634,228, Apr. 7.
Kelly, June L.: *See*—
Gallagher, John P., and Kelly.
Kelly, Kennett C., San Francisco, Calif. Roofing asphalt spray system. 2,645,524, July 14.
Kelly, Louis J.: *See*—
Moorman, Joseph W., and Kelly.
Kelly Products Co., Inc., assignee: *See*—
Szillage, Kalman.
Kelly, Richard: *See*—
Terry, Victor J., and Kelly.
Kelly, Richard, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical power supply systems for communication system repeaters. 2,657,279, Oct. 27.
Kelly, Richard N., deceased, Anaconda, Mont.; E. M. Kelly, administratrix. Spreading attachment for lawn mowers. 2,639,571, May 26.
Kelly, Stephen A., Jr., Manhasset, and W. R. Lindsay, Floral Park, assignors to Kelcon Corporation, Flushing, N. Y. Convertible seat bed with forward-turning back. 2,644,170, July 7.
Kelly, Thomas N., assignor ot G. W. Smith, doing business as Smith-Morris Company, Ferndale, Mich. Retractable screen for the air intake of jet engines and shields or shutters for the same. 2,652,131, Sept. 15.
Kelly, William M., Westfield, N. J., assignor to J. Confort, New York, N. Y. Sheet collating machine. 2,634,972, Apr. 14.
Kelly, William M., Westfield, N. J., assignor to J. Confort, New York, N. Y. Device for automatically controlling air-actuated mechanisms of machines. 2,653,627, Sept. 29.
Kelner, Robert C.: *See*—
Chance, Britton, and Kelner.
Kelsey, Alwyn L.: *See*—
Tasker, Homer G., Hiebert, Kelsey, and Osborne.
Kelsey, Cadwallader W., Troy, N. Y. Multiple windrowing disk type mower. 2,625,784, Jan. 20.
Kelsey-Hayes Wheel Company, assignee: *See*—
Cade, William M., and Derry.
Jacobi, Emil R.
Kerr, James M.
Le Jeune, Frank H.
Palmer, Harry A.
Whitten, Owen M.
Kelsey, Virginia, Delmar, N. Y. Combination beach towel and beach bag. 2,659,404, Nov. 17.
Kelso, Clarence L., Oilton, Okla. Pipe carrying clamp. 2,655,401, Oct. 13.
Kelso, John W., Clairton, Pa., assignor to United States Steel Corporation. Forming centering cavities in billet ends. 2,660,545, Nov. 24.
Keltz, Frank O., assignor to McFeely Brick Company, Latrobe, Pa. Furnace brick. 2,662,021, Dec. 8.
Kelvin & Hughes Limited, assignee: *See*—
Barnes, Jeffery W.
Everitt, Philip F., and Keeble.
Thomas, Ivor L., and Roberts.
Sproule, Donald O.
Kember, Federico C., Buenos Aires, Argentina. Wheel emergency equipment. 2,638,997, May 19.
Kemmer, Frank R., Larchmont, N. Y. Calcination. 2,647,739, Aug. 4.
Kemmerer, Milton F., Waterloo, Iowa. Weedless fishhook. 2,651,134, Sept. 8.
Kemp, Franklin, Wesleyville, Pa. Hair curling device. 2,651,309, Sept. 8.
Kemp, Gordon C., Guelph, Ontario, Canada. Oil burner evaporator. 2,661,797, Dec. 8.
Kemp, Harold S.: *See*—
Hughes, Jesse E., Kemp, and Pyle.
Kemp, Jacob D., Richmond, and H. P. Zeh, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Inhibition of phosphoric acid corrosion. 2,653,177, Sept. 22.
Kemp, Klaus M., Santa Barbara, Calif. Shoe protector. 2,625,752, Jan. 20.
Kemp, Milton H., Michigan City, Ind., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Coating apparatus for making pressure-sensitive tape. 2,646,770, July 28.
Kemp, Philip G., St. Albans, N. Y. Washing machine. 2,649,706, Aug. 25.
Kemp, Wilfred H., Buffalo, N. Y. Steering column brake. 2,648,993, Aug. 18.
Kemper, Harry C., Goshen Township, Clermont County, and N. D. Cooper, Mariemont, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Automatic cycle machine tool. 2,660,932, Dec. 1.
Kemper, Maxwell F., Los Angeles, Calif. Method and apparatus for placing fluent material. 2,660,034, Nov. 24.
Kempf, Clayton A., Berkeley, J. S. Neidlinger, San Francisco, A. P. Stewart, Jr., Berkeley, and P. F. Sharp, Oakland, assignors to Golden State Company, Ltd., San Francisco, Calif. Milk product containing milk fat, and producing same. 2,638,418, May 12.
Kempf, Clayton A., Berkeley, Calif., and E. L. Blanchard, Washington, D. C., assignors to Golden State Company, Ltd., San Francisco, Calif. Dried milk product for use in coffee or the like and producing same. 2,645,579, July 14.
Kempf, Raymond A., Baltimore, Md., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic bridge. 2,625,587, Jan. 13.
Kemph, Joseph N., Houston, Tex. Pivoted contact measuring tool. 2,624,948, Jan. 13.
Kempling, Thomas E., Drumheller, Alberta, Canada. Rod weeder. 2,628,546, Feb. 17.
Kemppe, Adolph J., Santa Rosa, Calif. Centrifugal casting device. 2,637,079, May 5.
Kempthorne, James L., Montclair, N. J. Coating structural surfaces. 2,644,771, July 7.
Kenan, Wilder, San Antonio, Tex. Truss bracing system for vertical stabilization of pipe line suspension bridges. 2,661,488, Dec. 8.
Kenco Products Corporation, assignee: *See*—
Steele, Vernon P.
Kendall, Charles E., Castle Bromwich, Birmingham, and M. Landau, Edgbaston, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Softening of rubber. 2,631,177, Mar. 10.
Kendall Company, The, assignee: *See*—
Bright, Willard M.
Gillespie, Robert H.
Secrist, Horace A.
Kendall, Frank A., Belgium, Wis. Feeder cup support. 2,658,709, Nov. 10.
Kendall, George A., Windsor, Ontario, Canada. Trailer and wheel suspension therefor. 2,635,897, Apr. 21.
Kendall, Harold G., assignee: *See*—
Fritzinger, George H.
Kendall, Hugh C., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,629,088, Feb. 17.
Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Polymethine dyes. 2,637,729, May 5.
Kendall, John D., and G. F. Duffin, assignors to Ilford Limited, Ilford, England. Improving the whiteness or color of materials and products resulting therefrom. 2,639,990, May 26.
Kendall, John D., and G. F. Duffin, assignors to Ilford Limited, Ilford, England. Pyrazoline sulphonic acids. 2,640,056, May 26.
Kendall, John D., and D. J. Fry, assignors to Ilford Limited, Ilford, England. Optically bleached fibrous material. 2,649,385, Aug. 18.
Kendall, Marcus T., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Hydrocarbon synthesis. 2,646,442, July 21.
Kendall, Thomas L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Vent cap. 2,658,100, Nov. 3.
Kendall, Thomas L., and D. P. Gentry, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Electrolyte level indicator. 2,637,209, May 5.
Kendall, Thomas L., C. B. Bodenhafer, and R. I. Plummer, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Charging storage batteries. 2,637,836, May 5.
Kendick Manufacturing Company, Inc., assignee: *See*—
Bugg, Kenly C.
Maurer, Robert A.
Kendis, Michael B., Kansas City, Mo. Foldable tie rack. 2,632,571, Mar. 24.
Kendrick, John F., Columbus, Ohio. Limiting stresses in elongated elastic structures. 2,631,011, Mar. 10.
Kendrick, John F., Columbus, Ohio. Method to limit stresses in cable tool drilling lines. 2,631,012, Mar. 10.
Kenes, Morris, assignee: *See*—
Jennings, Wendell W.
Kenes, Morris, Stratford, Conn. Thermostatically controlled ash tray. 2,644,468, July 7.
Kenlock, Albert A. H., Stoke Hammond, near Bletchley, England, assignor to General Motors Corporation, Detroit, Mich. Connector strip. 2,655,239, Oct. 13.
Kennametal Inc., assignee: *See*—
Alexander, Arthur H. and J. H.
Graham, John W.
Kennicott, Wilbur L.
McKenna, Philip M.
McKenna, Philip M., Redmond, and Smith.
McVeigh, John R.
Kennedy, Absalom M., Tuscaloosa, Ala. Cyclic process for treating aluminous ores. 2,648,595, Aug. 11.
Kennedy, Benjamin H., Pittsford, N. Y. Infant's bathing device. 2,644,953, July 14.
Kennedy, Benjamin H., Pittsford, N. Y. Infant's bathing device. 2,645,782, July 21.
Kennedy, Bernardine C. and J. F., Philadelphia, Pa. Baby coach cover. 2,648,565, Aug. 11.
Kennedy, Charles H., Jr., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriter key touch controlling means. 2,660,285, Nov. 24.
Kennedy, Daniel G., assignee: *See*—
Schepp, William J.
Kennedy, Earl M., Cleveland, Ohio. Hobbyhorse. 2,651,880, Sept. 15.
Kennedy, Edward F., Chicago, Ill. Clothes-washing and extracting apparatus. 2,660,870, Dec. 1.

Kennedy, Emmett F., Maple Heights, assignor to Grand Industries, Inc., Cleveland, Ohio. Temporary securing device. 2,638,371, May 12.
Kennedy, Eugene P., Tulsa, Okla. Nut-cracking machine. 2,640,519, June 2.
Kennedy, Eugene P., Tulsa, Okla. Nut cracker with slidably mounted crank lever. 2,646,831, July 28.
Kennedy, Eugene P., and M. D. Grossnickle, assignors to Armour and Company, Chicago, Ill. Preparation of pepsinogen and pepsin. 2,644,784, July 7.
Kennedy, Garland C., assignor of one-half to E. L. and J. A. Pugh, doing business as Pugh's Super Market, Petersburg, Va. Merchandise display cabinet. 2,625,806, Jan. 20.
Kennedy, Harry E., Berkeley, Calif., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electropneumatic control system. 2,629,365, Feb. 24.
Kennedy, Harry E., Berkeley, Calif., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Casting metal ingots. 2,631,344, Mar. 17.
Kennedy, Henry A., Philadelphia, Pa., assignor to Gould-National Batteries, Inc., St. Paul, Minn. Battery cap. 2,649,495, Aug. 18.
Kennedy, J. Lawrence, assignee: *See*—
Schepp, William J.
Kennedy, John, Detroit, Mich. Jet-propelled spinning balloon. 2,649,804, Aug. 25.
Kennedy, John G.: *See*—
Tinkler, Frank H., Stribley, and Kennedy.
Kennedy, John G., Mason, and F. W. Bernhart, Holt, Mich., assignors, by mesne assignements, to American Home Products Corporation, New York, N. Y. Casein-lactic-acid composition. 2,639,235, May 19.
Kennedy, John R., Collingswood, N. J., assignor to National Publishing Company, Philadelphia, Pa. Album. 2,648,099, May 12.
Kennedy, John T., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,628,640, Feb. 17.
Kennedy, John T., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover. 2,630,143, Mar. 3.
Kennedy, John T., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft threads. 2,633,875, Apr. 7.
Kennedy, John T., Wauwatosa, and E. U. Lassen, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motors. 2,634,390, Apr. 7.
Kennedy, Joseph E., New York, N. Y. Tube mill and means for lubrication. 2,632,529, Mar. 24.
Kennedy, Joseph E., New York, N. Y. Lubricating means for tube mills. 2,661,813, Dec. 8.
Kennedy, Joseph F.: *See*—
Kennedy, Bernardine C. and J. F.
Kennedy, Marian M.: *See*—
Davis, Frank G., and Kennedy.
Kennedy, Raymond A., Sioux City, Iowa. Balancing weight. 2,640,727, June 2.
Kennedy, Richard D., Wenatchee, Wash. Orthopedic jacket. 2,632,178, Mar. 24.
Kennedy, Ridgway, Jr., Drexel Hill, assignor to Abbotts Dairies, Inc., Philadelphia, Pa. Filling containers. 2,648,476, Aug. 11.
Kennedy, Ridgway, Jr., Drexel Hill, assignor to Abbott Dairies, Inc., Philadelphia, Pa. Filling nozzle. 2,651,445, Sept. 8.
Kennedy, Robert J., Heaton, Bradford, England. Textile yarn clearer. 2,654,938, Oct. 13.
Kennedy, Robert L., and W. H. Braddy, Metter, Ga. Adjustable punching bag stand. 2,625,356, Jan. 13.
Kennedy, Robert M., Newtown Square, assignor to Sun Oil Company, Philadelphia, Pa. Reforming of hydrocarbons. 2,635,123, Apr. 14.
Kennedy, Robert M., Newtown Square, and A. Schneider, assignors to Sun Oil Company, Philadelphia, Pa. Alkylation of aromatic hydrocarbons. 2,626,966, Jan. 27.
Kennedy, Robert M., Newtown Square, and A. Schneider, assignors to Sun Oil Company, Philadelphia, Pa. Refining oils. 2,639,260, May 19.
Kennedy, Robert M., Newtown Square, and A. Schneider, assignors to Sun Oil Company, Philadelphia, Pa. Hydrocarbon process. 2,639,261, May 19.
Kennedy, Robert M., Newtown Square, and A. Schneider, assignors to Sun Oil Company, Philadelphia, Pa. Refining oils. 2,639,262, May 19.
Kennedy, Robert M., Newtown Square, and C. K. Donnell, Springfield, assignors to Sun Oil Company, Philadelphia, Pa. Catalytic alkylation of isoparaffins with olefins. 2,653,982, Sept. 29.
Kennedy, Thomas J.: *See*—
Reynolds, William B., Wicklatz, and Kennedy.
Kennedy, Truman H., Elizabeth Township, Allegheny County, Pa., assignor to United States Steel Corporation. Apparatus for fluffing slag. 2,661,575, Dec. 8.
Kennedy, Truman H., Elizabeth Township, Allegheny County, and S. Webb, Pleasant Hills, Pa., assignors to United States Steel Corporation. Apparatus for straightening pipe. 2,642,113, June 16.
Kennedy-Van Saun Mfg. & Eng. Corporation, assignee: *See*—
Falla, Fernando.
Niemitz, Gerhard.
Kennedy, Verne C., Jr., assignor to Streeter-Amet Company, Chicago, Ill. Predetermined counter. 2,638,271, Sept. 15.
Kennedy, Walter, Cliffside Park, N. J. Gas [illegible] auxiliary appliances. 2,624,330, Jan. 6.
Kennedy, Walter, Cliffside Park, N. J. Broiler [illegible] and ranges. 2,624,331, Jan. 6.
Kennedy, Walter, deceased, Cliffside Park, N. J. United National Bank of Cliffside Park, Berg[illegible] N. J., administrator, assignor to W. D. Kenn[illegible] wood, N. J. Commercial swingable bu[illegible] 2,655,912, Oct. 20.
Kennedy, Walter, deceased, Cliffside Park, N. J. United National Bank of Cliffside Park, Berg[illegible] N. J., administrator, assignor to W. D. Kenn[illegible] wood, N. J. Radiant gas burner. 2,655,991.
Kennedy, Walter D., London, England. Meni[illegible] ing collapsible tubular members onto cores. 2,[illegible] July 28.
Kennedy, William G., Wethersfield, assignor to [illegible] craft Corporation, East Hartford, Conn. Co[illegible] for variable area nozzles. 2,651,172, Sept. [illegible]
Kennedy, Walter W., assignor to Barber-Co[illegible] pany, Rockford, Ill. Grille. 2,625,873, Ja[illegible]
Kennedy, Walter W., assignor to Barber-Co[illegible] pany, Rockford, Ill. Grille. 2,625,874, J[illegible]
Kennedy, Walter W., assignor to Barber-Colman [illegible] Rockford, Ill. Adjustable grille. 2,630,053.
Kennedy, Walter W., assignor to Barber-Colman [illegible] Rockford, Ill. Air distribution outlet. 2,63[illegible] 21.
Kennedy, William D., assignee: *See*—
Kennedy, Walter.
Kennedy, William E.: *See*—
Bourne, Gordon F., and Kennedy.
Kennedy, William H., Uxbridge, England. [illegible] slidably supporting tools or machine parts. [illegible] Apr. 7.
Kennedy, William, & Sons Limited, The, assig[illegible]
Keon, James J.
Kenneway, Harold J., Jr., assignor to McLaurin [illegible] Brookfield, Mass. Heat-scalable label stock. [illegible] Mar. 31.
Kenney, Clarence E., West Allis, assignor to Alli[illegible] Manufacturing Company, Milwaukee, Wis. [illegible] turbine. 2,646,811, July 28.
Kenney, Clarence E., West Allis, assignor to Alli[illegible] Manufacturing Company, Milwaukee, Wis. [illegible] valve operating mechanism. 2,658,484, Nov.
Kenney, Guy G., Cincinnati, Ohio. Electric [illegible] pliance for lunch boxes. 2,664,491, Dec. 2
Kenney, Harold E., and A. H. Seidler, Urbana, [illegible] ball target game apparatus. 2,647,747, Au[illegible]
Kenney, Joseph F., assignor to Remington Arms [illegible] Inc., Bridgeport, Conn. Priming composition. [illegible] Dec. 22.
Kenney, Leo G., Chicago, Ill. Drying machin[illegible] and transfer mechanism. 2,661,831, Dec. 8.
Kenney Manufacturing Company, assignee: *See* [illegible] Kunath, Fred W.
Kennicott, Wilbur L., Unity Township, We[illegible] County, assignor to Kennametal Inc., La[illegible] Toolholder. 2,641,049, June 9.
Kennington, George L., Jr., Port St. Joe, Fla. [illegible] jaw hand plier. 2,651,227, Sept. 8.
Kennison, Everett B., Detroit, Mich. Veh[illegible] 2,663,951, Dec. 29.
Kennison, Hugh F., Verona, assignor to Lock [illegible] Company, East Orange, N. J. Mold and [illegible] forming the bell of a bell-ended pipe. 2,644,2[illegible]
Kennon, Woodrow A., Birmingham, Ala. Ind[illegible] playing ring. 2,639,151, May 19.
Kent, Donald W., Whitemarsh, Pa. Electrolyt[illegible] the tank type. 2,647,082, July 28.
Kent, Edward, Detroit, Mich., assignor of twen[illegible] cent to C. E. Wisner, twenty-two per cent to [illegible] Leod, and twenty per cent to C. F. Brown. [illegible] air heater. 2,648,323, Aug. 11.
Kent, Edward, Detroit, Mich., assignor of twen[illegible] cent to C. E. Wisner, twenty-two per cent to [illegible] Leod, and twenty per cent to C. F. Brown. [illegible] air-heating furnace. 2,648,324, Aug. 11.
Kent, Francis J., and R. M. Reichl, Forest Hills, [illegible] to Hydropress, Inc., New York, N. Y. Hyd[illegible] chine. 2,660,955, Dec. 1.
Kent, Frederick J., Fair Lawn, N. J. Yarn tens[illegible] 2,630,281, Mar. 3.
Kent, Henry, deceased, New York, N. Y.; P. K[illegible] trix. Cerium base alloy. 2,642,358, June 1[illegible]
Kent, Howard, Maplewood, assignor of one-ha[illegible] Volk, Newark, N. J. Mixing chamber. [illegible] Feb. 10.
Kent, Jan H. F., assignor of one-half to Auto [illegible] ices Limited, Worting, Basingstoke, Englan[illegible] for retreading tires. 2,634,492, Apr. 14.
Kent, John B., Hoey, Saskatchewan, and C. [illegible] man, Regina, Saskatchewan, Canada. [illegible] heater for internal-combustion engines. [illegible] Sept. 15.
Kent, John W., Buffalo, assignor to Remington [illegible] New York, N. Y. File compressor. 2,648,33[illegible]
Kent, Leonard A.: *See*—
Morris, Charles W., and Kent.

Kent-Moore Organization, Inc., assignee: *See*—
De Kam, William G.
Graham, George M.

Kent, Moss A., White Plains, N. Y. Suction cleaner. 2,656,009, Oct. 20.

Kent, Nelson H., Allestree, assignor to Rolls-Royce Limited, Derby, England. Separate burner system for deicing the inlets of multiple gas turbine units. 2,634,581, Apr. 14.

Kent-Owens Machine Company, assignee: *See*—
Tremblay, Albert F.

Kent, Paula, executrix: *See*—
Kent, Henry.

Kent, Samuel J.: *See*—
Bacon, Clinton J., and Kent.

Ken-Tool Manufacturing Company, The, assignee: *See*—
Lydle, John E.

Kenty, Carl, Cleveland Heights, Ohio, assignor to General Electric Company. Measuring molecular impurities in rare gases. 2,654,051, Sept. 29.

Kentz, Fred E., Denver, Colo. Trailer hitch. 2,647,761, Aug. 4.

Kenwood Corporation, The, assignee: *See*—
Wade, Charles E.

Kenworth Motor Truck Corporation, assignee: *See*—
Brown, Wallace M.
Simi, Hendrick E.

Kenyon, Bertrand F., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Transmission. 2,659,248, Nov. 17.

Kenyon, Dorothy M., Philadelphia, Pa. Button fastening device. 2,643,427, June 30.

Kenyon, George W.: *See*—
Frink, Carl H., and Kenyon.

Kenyon Instrument Company, Inc., assignee: *See*—
Tuttle, Clifton M.

Kenyon, John W., Ashland, Ky., assignor to Armco Steel Corporation, Middletown, Ohio. Device for loading sheets or plates onto conveyers. 2,643,009, June 23.

Kenyon, Robert C., Ferguson, assignor to Lewin-Mathes Company, St. Louis, Mo. Cutoff machine. 2,624,981, Jan. 13.

Kenyon, Theodore W., Huntington, N. Y., assignor to Gyromechanisms, Inc. Gyroscopically operated measuring instrument. 2,641,134, June 9.

Kenyon, William O.: *See*—
Lowe, Wesley G., Minsk, and Kenyon.
Reynolds, Delbert D., and Kenyon.
Waugh, George P., and Kenyon.

Kenyon, William O., G. P. Waugh, and E. W. Taylor, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of polyvinyl alcohol. 2,642,420, June 16.

Keogh, Daniel J., Saltdean, assignor to Price's Patent Candle Company Limited, London, England. Apparatus for making wax candles. 2,657,425, Nov. 3.

Keogh, Hedley B., Thornbury, Victoria, Australia. Mobile apparatus for working on roadways or the like. 2,655,678, Oct. 20.

Keon, James J., assignor to The William Kennedy & Sons Limited, Owen Sound, Ontario, Canada. Feeding mechanism for wood pulp grinders. 2,659,537, Nov. 17.

Kepes, André, Saint-Mande, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Transmission. 2,646,696, July 28.

Kepner, Robert C., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Axle mounting. 2,630,081, Mar. 3.

Kepple, Charles G.: *See*—
Weltman, William C., and Kepple.

Ker, Montgomery, Scotia, N. Y., assignor to General Electric Company. Magnetic amplifier circuit. 2,650,342, Aug. 25.

Kerkau, George N., Bay City, Mich. Combination switch and lock lights. 2,629,090, Feb. 17.

Kerley, Bernard J., Jr., Pecos, Tex. Pelletizing process. 2,627,457, Feb. 3.

Kerlin, John W., Teaneck, N. J., assignor to General Foods Corporation, New York, N. Y. Apparatus for applying caps to containers. 2,639,075, May 19.

Kerner, Martin J., Buffalo, N. Y., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Denerating and deoiling citrus juices. 2,631,103, Mar. 10.

Kern, George R.: *See*—
Wick, Robert M., and Kern.

Kern, Harry C., assignee: *See*—
Wirtstock, Alfred G.

Kern, Karl W., Jr., assignor to The Perfection Steel Body Company, Galion, Ohio. Pump and valve assembly. 2,634,679, Apr. 14.

Kern, Ruth, Drexel Hill, Pa., assignor to General Electric Company. Thermal trip mechanism for circuit breakers. 2,629,796, Feb. 24.

Kern, Walter: *See*—
Jenny, Walter, and Kern.
Koch, Jacob, and Kern.

Kernahan, John J. J., Whippany, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting apparatus. 2,651,833, Sept. 15.

Kerner, Charles A., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Road-rail wheel. 2,657,947, Nov. 3.

Kernkamp, Irwin A., Spokane, Wash. Oxygen tank truck. 2,654,493, Oct. 6.

Kernodle, George H., Washington, D. C. Single arm adjustable support for lamp shades and switches. 2,647,986, Aug. 4.

Kerns, Quentin A., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Amplifier circuit for testing. 2,628,268, Feb. 10.

Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-frequency shunt. 2,634,307, Apr. 7.

Kerr, Alexander H., & Company, Incorporated, assignee: *See*—
Bowen, Joe.
Klug, Clarence.
Sachs, Carrol C., and Bond.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation. Brine pump. 2,629,331, Feb. 24.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Float valve. 2,632,464, Mar. 24.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corportion, San Jose, Calif. Apparatus for filling containers with moist granular material. 2,639,076, May 19.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Supply control mechanism for container handling machines. 2,645,326, July 14.

Kerr, Charles E., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Filling valve with head space providing means. 2,645,401, July 14.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Apparatus for packing containers. 2,650,009, Aug. 25.

Kerr, Charles E., and R. Elsheimer, Hoopeston, Ill., assignors to Food Machinery and Chemical Corporation. Apparatus for handling cartons. 2,649,676, Aug. 25.

Kerr, Charles E., and R. K. Galloway, Hoopeston, Ill., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Case loading chute. 2,649,946, Aug. 25.

Kerr, Charles G., San Rafael, Calif. Rearview mirror. 2,636,419, Apr. 28.

Kerr, Elmer L., assignor to The Electric Furnace Company, Salem, Ohio. Controlled atmosphere annealing furnace. 2,628,830, Feb. 17.

Kerr, James M., assignor to Kelsey-Haynes Wheel Company, Detroit, Mich. Brake drum lubricant deflector. 2,647,589, Aug. 4.

Kerr, John A., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Combination ram jet and turbojet. 2,641,902, June 16.

Kerr Manufacturing Company, assignee: *See*—
Lange, Harry B., and Christian.

Kerr-McGee Oil Industries, Inc., assignee: *See*—
McGee, Dean A., Danielson, and Seale.

Kerr, Oscar F., Sulphur Springs, Tex. Cotton-picking machine. 2,650,461, Sept. 1.

Kerr, Ralph L., Columbus, Tex. Combination strainer and check valve. 2,630,920, Mar. 10.

Kerr, Ralph W., Riverside, Ill., and W. A. Faucette, Stoughton, Wis., assignors to Corn Products Refining Company, New York, N. Y. Derivatization of starch with lactones. 2,660,577, Nov. 24.

Kerr, Robert J., Oak Park, assignor to Protective Coatings Corporation, Park Ridge, Ill. Self-spraying artificial snow composition. 2,659,704, Nov. 17.

Kerr, Robert L., assignor to Adrema Limited, London, England. Bed and platen addressing machine 2,643,606, June 30.

Kerr, Robert L., and R. Albrecht, assignor to Adrema Limited, London, England. Addressing machine. 2,632,384, Mar. 24.

Kerr, Samuel L., Philadelphia, Pa., and L. H. Kessler, Evanston, Ill. Apparatus for the measurement of the bulk modulus of liquids. 2,641,127, June 9.

Kerr, Wallace E., Youngstown, Ohio. Procedure and apparatus for metal drawing. 2,636,594, Apr. 28.

Kerr, Wayne, Laboratories Limited, The, assignee: *See*—
Calvert, Raymond.

Kerr, William J., Warren, Ohio. Means for use in stenciling and the like. 2,651,989, Sept. 15.

Kerridge, Frank E., and M. Belham, London, and G. Pearce, Kingsthorpe, Northampton, assignors to Johnson, Matthey & Company Limited, London, and Painton & Company, Limited, Kingsthorpe, Northampton, England. Electrical resistor and resistance elements therefor. 2,645,701, July 14.

Kerrigan Iron Works, Inc., assignee: *See*—
Kerrigan, Philip, Jr.

Kerrigan, Philip, Jr., assignor to Kerrigan Iron Works, Inc., Nashville, Tenn. Grating. 2,656,903, Oct. 27.

Kersey, Owen, Lemoyne, Pa. Dumping truck. 2,645,522, July 14.

Kershaw, Henry, Belleville, N. J. Socket for fluorescent lamps and the like. 2,663,852, Dec. 22.

Kershaw, John G., Oak Bay, Victoria, British Columbia, and H. Fisher, Mount Royal, Quebec, assignors to Dominion Textile Company Limited, Montreal, Quebec, Canada. Condensing sliver. 2,656,573, Oct. 27.

Kershaw, Knox, Birmingham, Ala. Rotary type ballast removing apparatus. 2,640,285, June 2.

Kershaw, Knox, Birmingham, Ala. Ballast removing machine. 2,646,632, July 28.

Kersten, Samuel, and A. F. Sautter, Chicago, Ill., said Sautter assignor to said Kersten. Diverter spout plumbing fixture. 2,663,539, Dec. 22.

Kerstetter, Donald R., Emporium, Pa., assignor to Sylvania Electric Products Inc. Shield structure and filament mount for electron discharge devices. 2,648,026, Aug. 4.

Kertes, John, Pittsburgh, Pa. Automatically stepped pocket punch. 2,655,215, Oct. 13.

Kerwin, Daniel G., Chicago, Ill. Insulating flexible splicer core for plural cable joints. 2,639,312, May 19.

Kerwin, Daniel G., Chicago, and F. G. O'Callaghan, Franklin Park, Ill., assignors, by mesne assignments, to The Rails Co., New Haven, Conn. Gas fueled rail heater. 2,633,190, Mar. 31.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. Fluorene derivatives. 2,656,387, Oct. 20.

Kesel, Robert E., and H. T. Robinson, assignors to Eastman Kodak Company, Rochester, N. Y. Two-way film-metering device. 2,629,563, Feb. 24.

Kesler, Carl C., assignor to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Alkaline-setting resin adhesive and method of making same. 2,626,934, Jan. 27.

Kesler, Carl C., and E. T. Hjermstad, assignors to Penick & Ford, Ltd., Incorporated, Cedar Rapids, Iowa. Alkaline-setting resin-starch reaction product and preparation thereof. 2,650,205, Aug. 25.

Kesler, Russel A., assignee: *See*—
De Hart, Daniel N.

Kessel, Johannes B., assignor to Dormeyer Corporation, Chicago, Ill. Food mixer power unit. 2,637,824, May 5.

Kessel, Ralph M.: *See*—
Wickwire, Arthur M., and Kessel.

Kesselring, Fritz, Zollikon, Zurich, Switzerland. Current limiting apparatus. 2,639,357, May 19.

Kessels, Franciscus A. H., Venlo, Netherlands, assignor to Chemische Fabriek L. van der Grinten. Developer for the positive diazotype-process containing a borate, a polyhydroxy alcohol, and a coupler component. 2,657,137, Oct. 27.

Kessels, Franciscus A. H., assignor to Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Developer for diazotype materials. 2,657,140, Oct. 27.

Kessels, Franciscus A. H., assignor to Chemische Fabriek L. van der Grinten N. V., Venlo, Netherlands. Diazotype developer composition containing a potassium borate and using same. 2,657,141, Oct. 27.

Kessler, Carl E., Mineral Wells, Tex. Antenna tower supporting base. 2,637,516, May 5.

Kessler, Charles A.: *See*—
Johnson, Ralph E., and Kessler.

Kessler, Charles P., Bronx, N. Y. Safety means for leaving doors ajar. 2,662,571, Dec. 15.

Kessler Chemical Co., Inc., assignee: *See*—
Logan, Roger L.

Kessler, Edwin L., assignor to The Budd Company, Philadelphia, Pa. Heating and ventilating system, particularly for vehicles. 2,637,500, May 5.

Kessler, Frank, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Testing apparatus for telephone systems. 2,632,817, Mar. 24.

Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone line lockout adapter. 2,650,950, Sept. 1.

Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone pay station adapter common to a plurality of lines. 2,655,558, Oct. 13.

Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Line finder dual-allotter system. 2,656,416, Oct. 20.

Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Automatic telephone system. 2,658,109, Nov. 3.

Kessler, Frank, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Level-hunting selector. 2,660,619, Nov. 24.

Kessler, Joseph S., assignor to Tri-Clover Machine Co., Kenosha, Wis. Toggle type connecting assembly. 2,649,632, Aug. 25.

Kessler, Lewis H.: *See*—
Kerr, Samuel L., and Kessler.

Kessler, Paul D., Silver Creek, N. Y. Manufacture of smoothbore gun barrels. 2,663,410, Dec. 22.

Kessler, Ward P., near Bristol, Ind., assignor to V. M. Langsett, Chicago, Ill., as trustee. Insulated metal window closure. 2,654,920, Oct. 13.

Kessler, Ward P., Bristol, and A. T. Hagerty, assignors to The Adlake Company, Elkhart, Ind. Window. 2,629,905, Mar. 3.

Kestenman Bros. Mfg. Co., assignee: *See*—
Valcourt, Louis E.

Kester, Arthur S., and B. S. Cahill, assignors to The Rauland Corporation, Chicago, Ill. Busy signal for intercommunicating telephone systems. 2,632,056, Mar. 17.

Kester, Clair E., Clearfield, assignor of fifty p
H. O. Woolley, Jr., Harrisburg, Pa. Adjusta
device for fishhooks, etc. 2,642,767, June 23

Kester, Ralph C., Wichita, Kans. Wheel susp
sembly for boats. 2,6[illegible]36, Dec. 15.

Kesting, Edelbert E., Munich, Germany.
method and apparatus for the production
dioxide. 2,664,341, Dec. 29.

Kestner, William N., W. C. Kohfeldt and L. C
Baton Rouge, La., assignors to Standard O
ment Company. Automatic sampler for liq
carbon streams. 2,656,725, Oct. 27.

Ketcham, Charles E., South Gate, Calif. Dra
ing attachment for doors. 2,625,718, Jan. 20.

Ketcham, Gladys L., San Mateo, Calif. In
ment. 2,657,387, Nov. 3.

Ketchledge, Raymond W., Jamaica, assignor to
phone Laboratories, Incorporated, New Yo
Accelerometer. 2,650,991, Sept. 1.

Ketchledge, Raymond W., Middlesex, N. J., a
Bell Telephone Laboratories, Incorporated,
N. Y. Temperature control system. 2,640,13

Ketchum, Clarence A., assignor to The America
Machinery Company, Cincinnati, Ohio. Garn
2,624,134, Jan. 6.

Ketchum, Milo C., Altadena, and J. O. Huffman
to Cherry Rivet Company, Los Angeles, Ca
rivet with clincher. 2,652,741, Sept. 22.

Ketel, Henry, Los Angeles, Calif., assignor t
Hitch Company, Holland, Mich. Fifth whee
compensating means. 2,663,575, Dec. 22.

Ketelsen, Peter, Wichita, Kans. Apparatus fo
a liquid to a fluid pressure medium u
2,656,899, Oct. 27.

Kethledge, Helen A., Easton, Pa. Pillowcase.
May 12.

Ketzel, Edward E., Dayton, Ohio. Carrier f
outfits. 2,624,483, Jan. 6.

Keuffel, Carl W., Bernardsville, and A. L. Ba
City, assignors to Keuffel & Esser Company
N. J. Drafting machine. 2,638,675, May 1

Keuffel, Carl W., Bernardsville, C. D. Hill
Orange, A. L. Baker, Jersey City, and G. Ge
field, assignors to Keuffel & Esser Company
N. J. Reflecting telescope. 2,638,814, May

Keuffel, Carl W., Bernardsville, and A. L. B
ville, assignors to Keuffel & Esser Company
N. J. Theodolite. 2,647,320, Aug. 4.

Keuffel & Esser Company, assignee: *See*—
Baker, Allister L.
Beeber, Allan R. A.
Ewald, George W.
Geier, George.
Holtz, Edward H., and Sellen.
Keuffel, Carl W., and Baker.
Keuffel, Carl W., Hillman, Baker, and Geie
McClure, Hugh M.
Neugebauer, Wilhelm and Reichel.
Patrosio, William.
Reichel, Maximilian K., and Neugebauer.

Keuper, William J., assignor to The Nationa
Machine Company, Cincinnati, Ohio. Type w
ing laundry listing machine. 2,648,279, Au

Keville, Jesse F.: *See*—
Vogt, Rudolph B., and Keville.

Kew, George R., assignor to Palmer-Bee Compa
Mich. Conveyer chain. 2,660,898, Dec. 1.

Kewanee Industrial Washer Corp., assignee: S
Rule, Joseph D.

Kewanee Manufacturing Company, assignee:
Walterman, Fredrick H., and Malmrose.

Key Company, assignee: *See*—
Morton, William P.

Key, Ellis W., Eastside, Oreg., assignor of
E. R. Mandle, Seattle, Wash. Fishing vessel.
Sept. 15.

Keyes Fibre Company, assignee: *See*—
Randall, Walter H.
Schwertfeger, Walter J.

Keyes, Frederick G., assignor, by mesne assig
Arthur D. Little, Inc., Cambridge, Mass. C
ducing apparatus. 2,640,332, June 2.

Keyes, Grafton H., and L. G. S. Brooker, a
Eastman Kodak Company, Rochester, N.
cyanine dyes and preparation. 2,652,396, S

Keyl, Alexander C., Bensenville, and R. H. Geil
Grove, Ill., assignors to Fred'k A. Stresen-
Tetrahydrophthalic alkyd resins. 2,655,48

Keyl, Alexander C., Bensenville, and R. H. Geil
Grove, Ill., assignors to Fred'k A. Stre
Inc. Tetrahydrophthalic acid half ester
2,655,487, Oct. 13.

Keys, Carl F., Denver, Colo. Marking gauge.
Dec. 1.

Keys, Clarence B., Sherman Oaks, Calif. Ap
cutting threads. 2,641,287, June 9.

Keyser, James H., Kenova, and V. C. Curry, I
W. Va. Brick slicing mechanism for ice-c
wich machines. 2,629,342, Feb. 24.

Keyser, Johann J., Aarau, Switzerland, assignor
Aktiengesellschaft, Dusseldorf-Oberkassel,
Spinning machine drive. 2,658,327, Nov. 10.

Keyser, Paul V., Jr.: *See*—
Brown, Clayton W., and Keyser.

Keysor, Harold C., assignor to American Steel Foundries, Chicago, Ill. Axle assembly. 2,659,596, Nov. 17.

Keystone Metal Moulding Company, assignee: *See*— Kietzmann, Paul A.

Khalil, Seyed, assignor to Underwood Corporation, New York, N. Y. Marginal stop for typewriters or the like and mechanism for setting the same. 2,633,963, Apr. 7.

Khalil, Seyed, New York, N. Y. Escapement mechanism for typewriters and the like. 2,652,917, Sept. 22.

Kharasch, Morris S., Chicago, Ill., and S. Weinhouse, Chester, Pa., assignors to the United States of America as represented by the Secretary of War. Preparing alkyldihaloarsine. 2,636,893, Apr. 28.

Kharasch, Morris S., Chicago, Ill., and S. Weinhouse, Chester, Pa., assignors to the United States of America as represented by the Secretary of War. Preparing alkyldihalostibine. 2,636,894, Apr. 28.

Khatunzeff, Serge P.: *See*— Stebbins, Leo A., and Khatunzeff.

Khouri, Alfred S.: *See*— Kilby, Jack S., and Khouri.

Khouri, Alfred S., assignor to Globe-Union Inc., Milwaukee, Wis. Inductance unit. 2,654,861, Oct. 6.

Kiachif, Messoud: *See*— Hitt, Otha A., and Kiachif. Paeplow, Earl W., and Kiachif.

Kibiger, Arthur H., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Switch actuating means. 2,631,204, Mar. 10.

Kibler, Alfred G.: *See*— Spurlino, Pascal, Kibler, Moser, and Wolf.

Kice, Jack W., assignor to The Coleman Company, Inc., Wichita, Kans. Pipe and insulation structure. 2,625,263, Jan. 13.

Kice, Jack W., and J. M. Redmond, Jr., assignors to The Coleman Company, Inc., Wichita, Kans. Sheet assembly structure. 2,625,290, Jan. 13.

Kidd, Lloyd L., Robbinsdale, Minn. Multipurpose depth gauge. 2,650,435, Sept. 1.

Kidd, Robert K., Schenectady, N. Y., assignor to General Electric Company. Combustion chamber having a flat wall liner with oppositely disposed apertures. 2,644,302, July 7.

Kidde Manufacturing Co., Inc., assignee: *See*— Freygang, Walter H. Noe, Harold C.

Kiddie Seat Corporation, assignee: *See*— Bergman, Ed.

Kiebert, Martin V., Jr., United States Navy. Frequency modulated radio ranging apparatus. 2,631,278, Mar. 10.

Kiebler, Le Roy A., De Witt, D. D. Aldrich, and D. W. Weller, Lansing, Mich. Vertically adjustable mount for outboard motors. 2,638,863, May 19.

Kieckhefer Container Company, assignee: *See*— Spiess, Francis J.

Kiefer, Emil, Pforzheim, Germany, assignor to R. A. Kiefer, Elberon, N. J. Expansible link strap. 2,651,909, Sept. 15.

Kiefer, Harold: *See*— Resek, Marc, and Kiefer.

Kiefer, John M., Jr., Bedford, Ohio, assignor to United States Steel Corporation. Softening low-carbon medium-alloy steel. 2,664,369, Dec. 29.

Kiefer, Karl, Machine Company, The, assignee: *See*— Fechheimer, Paul R. Fechheimer, Paul R., Boing, and Frederick. Rowekamp, Edward F.

Kiefer, Paul J., Jr.: *See*— Cushman, Maurice E., and Kiefer.

Kiefer, Richard A., assignee: *See*— Kiefer, Emil.

Kiefer, William C., Green Village, assignor to Bel-Ray Company, Inc., Madison, N. J. Automatic lubricator for moving conveyer chains and other moving mechanisms. 2,626,016, Jan. 20.

Kiefer, William R., assignee: *See*— Tomkins, John E.

Kiefer, William R., Rockford, Ill., assignor to Sundstrand Machine Tool Co. Two-stage fuel unit. 2,657,632, Nov. 3.

Kieffer, Joseph D., III, Rochester, and W. M. Strom, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Telescope having prism movable for focusing. 2,638,032, May 12.

Kiehl, Paul G., St. Louis, and W. H. Kolath, Jr., Webster Groves, Mo. Film mount. 2,659,992, Nov 24.

Kiehl, Peter F.: *See*— Appleton, Henry B., and Kiehl.

Kiehl, Royal D., and R. E. Wagenhals, assignors to The Timken Roller Bearing Company, Canton, Ohio. Roundness checking gauge. 2,631,845, Sept. 15.

Kiekhaefer Corporation, assignee: *See*— Hartz, Marvin E.

Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor speedometer. 2,627,181, Feb. 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Boat bailing attachment for outboard motors. 2,627,242, Feb. 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Two-cycle engine and operating the same. 2,627,255, Feb. 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Cylinder block for internal-combustion engine cooling. 2,627,256, Feb. 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Slip clutch reverse gear combination for outboard motors. 2,630,775, Mar. 10.

Kiekhaefer, Elmer C., Cedarburg, Wis. Induction system for a two-cycle engine of three cylinders. 2,630,791, Mar. 10.

Kiekhaefer, Elmer C., Cedarburg, Wis. Thermostatic control for engines. 2,633,834, Apr. 7.

Kiekhaefer, Elmer C., Cedarburg, Wis. Shift-speed control for outboard motors. 2,635,576, Apr. 21.

Kiekhaefer, Elmer C., Cedarburg, Wis. Cooling system for internal-combustion engines. 2,635,591, Apr. 21.

Kiekhaefer, Elmer C., Cedarburg, Wis. Two-cycle engine and improved crankcase induction means therefor. 2,639,699, May 26.

Kiekhaefer, Elmer C., Cedarburg, Wis. Engine mounting and control system. 2,642,829, June 23.

Kiekhaefer, Elmer C., Cedarburg, Wis. Internal-combustion engine. 2,643,510, June 30.

Kiekhaefer, Elmer C., Cedarburg, Wis. Sealed condenser and shield for spark plugs. 2,648,030, Aug. 4.

Kiekhaefer, Elmer C., Cedarburg, Wis. Engine driven chain saw and oiling system therefor. 2,650,626, Sept. 1.

Kiekhaefer, Elmer C., Cedarburg, Wis. Crankshaft, piston, and connecting rod for internal-combustion engines. 2,652,728, Sept. 22.

Kiekhaefer, Elmer C., Cedarburg, Wis. Gear case unit for outboard motors. 2,656,812, Oct. 27.

Kiekhaefer, Elmer C., Cedarburg, Wis. Bracket mounting for outboard motors. 2,656,813, Oct. 27.

Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor-driven hydroplaning boat. 2,656,814, Oct. 27.

Kielland, Jacob: *See*— Berner, Endre Q., and Kielland.

Kiely, Thomas J., West Boylston, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for looms. 2,628,639, Feb. 17.

Kienast, Alfred, Kuesnacht, Switzerland. Control pulse distributing system. 2,640,188, May 26.

Kiene, Louis H., Pasadena, Calif. Wrench extension handle. 2,652,736, Sept. 22.

Kiersted, Wynkoop, Jr., Scarsdale, and H. H. Gross, Pleasantville, assignors, to Texaco Development Corporation, New York, N. Y. Solvent dewaxing. 2,654,692, Oct. 6.

Kieruff, Jorgen V., Los Angeles, Calif. Measuring device for tooth paste tubes. 2,628,742, Feb. 17.

Kieser, Andrew F.: *See*— Kelser, Edward W., and A. F. Kieser.

Kiesler, George W., Sr., Barrington, Ill. Sewer cleaning device. 2,637,866, May 12.

Kiessling, Carl J. E.: *See*— Bergknut, Gunnar P., and Kiessling.

Kietzmann, Paul A., assignor to Keystone Metal Moulding Company, East Detroit, Mich. Buffing wheel. 2,645,065, July 14.

Kievit, Jasper, assignor to The Crystal Waxing Company, Middletown, Ohio. Automatic web rewinding machine. 2,650,038, Aug. 25.

Kifferstein, Harry, Detroit, Mich. Bomb shelter. 2,629,348, Feb. 24.

Kiker, Charles W., Jr., Blue Ridge, Ga. Windshield wiper. 2,648,087, Aug. 11.

Kilborn-Sauer Company, The, assignee: *See*— Sauer, Arthur P.

Kilbourne, Charles E., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine core ventilation. 2,661,434, Dec. 1.

Kilbourne, James, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Wheel hold-down mechanism for mining machine trucks. 2,630,080, Mar. 3.

Kilburg, James, Burlingame, assignor to James Kilburg Corporation, San Mateo, Calif. Automatic telephone dialer. 2,656,417, Oct. 20.

Kilburg, James, Corporation, assignee: *See*— Kilburg, James.

Kilburn, Tom: *See*— Williams, Frederic C., Robinson, and Kilburn.

Kilby, Cornelius E.: *See*— Gannon, Alfred C., Kilby, and Rupp. Jones, Thomas A. D., and Kilby.

Kilby, Jack S., and A. S. Khouri, assignors to Globe-Union Inc., Milwaukee, Wis. Electrical network having distributed capacitance. 2,637,777, May 5.

Kiler, Hugh A., Monrovia, Calif. Magnetic hairpin holder. 2,632,790, Mar. 24.

Kiler, Hugh A., Monrovia, Calif. Magnetic pot holder. 2,645,776, July 21.

Kiley, Lewis Y., Westwood, N. J., assignor to United States Rubber Company, New York, N. Y. Composition of matter comprising a butadiene-vinyl-pyridine copolymer and a novolac. 2,634,250, Apr. 7.

Kilgen, Eugene R., University City, Mo. Master or central station controller. 2,660,628, Nov. 24.

Kilgore, George H., New Castle, Pa. Power-driven fountain brush. 2,651,795, Sept. 15.

Kilgore Inc., assignee: *See*— Clauser, Herbert C., and Long.

Kilgore, Joseph D., Athens, Ohio. Continuous shooting cap pistol. 2,643,476, June 30.

Kilgore, Joseph R., Camden, N. J., assignor to Radio Corporation of America. Muting system for signal amplifiers. 2,629,026, Feb. 17.

Kilgore, Lee A.: *See*— Boyer, John L., and Kilgore.

Killens, Clyde, assignee: *See*— Williams, Moses M.

Killian, Donald B., Nutley, N. J., and A. D. Reldinger, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo pigment and coating compositions containing the same. 2,649,383, Aug. 18.

Killian, Edward S., Akron, Ohio. Apparatus for manufacturing dipped rubber articles. 2,649,619, Aug. 25.

Killinger, Arden H., and J. R. Dick, assignors to Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Vaccine and manufacturing the same. Re. 23,746, Dec. 1.

Killingsworth, Robert B., Roslyn, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Metalworking lubricant. 2,628,197, Feb. 10.

Kilmer, Harold A.: *See*— Cunningham, Gale C., and Kilmer.

Kilminster, George, Birmingham, assignor of one-half to EGA Electric Limited, Wednesbury, England. Low tension electric switchgear. 2,654,055, Sept. 29.

Kilness, Jarvis, Bridal Veil, Oreg. Railroad car moving jack. 2,639,888, May 26.

Kilns, Vernon, assignee: *See*— Martin, Ralph H.

Kilpatrick, Myron O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,653,903, Sept. 29.

Kilpatrick, Myron O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Decoking of pebbles in pebble heater cracking of hydrocarbons. 2,663,678, Dec. 22.

Kilpatrick, Paul W.: *See*— Brown, Amon H., Kilpatrick, and Lazar.

Kiltie, Ordean, assignor to Ballastran Corporation, Fort Wayne, Ind. Stationary induction apparatus. 2,653,280, Sept. 22.

Kilvert, Charles A., Jr.: *See*— Pettigrew, Kenneth W., and Kilvert.

Kimball, A., Company, assignee: *See*— Marsh, Alonzo K., and Welmont. Welmont, Joseph.

Kimball, Frank T., South Norwalk, Conn., assignor to Orizar Products Inc. Vitamin-containing chocolate food product. 2,634,210, Apr. 7.

Kimball, James R., assignee: *See*— Simmons, Howard A.

Kimball, Raymond, assignor to C. E. Perry, Pasadena, Calif. Pencil holder for telephone instruments. 2,641,809, June 16.

Kimball, Vernon R., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dial and pointer assembly for indicators. 2,627,245, Feb. 3.

Kimball, Vernon R., Maywood, and A. Drenkard, Jr., Teaneck, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control system. 2,642,567, June 16.

Kimball, Wallace D., Middle Haddam, Conn., assignor, by mesne assignments, to Einhart Manufacturing Company. Apparatus for packing and sealing shipping cases. 2,651,898, Sept. 15.

Kimball, Warren T., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating material, coated fabric, and producing it. 2,650,170, Aug. 25.

Kimbell, Mignon: *See*— Land, Marion C., and Kimbell.

Kimber, George A., Chicago, Ill. Bottle stopper. 2,634,014, Apr. 7.

Kimberl, William C., Jr., assignee: *See*— Huggins, Ossian J.

Kimberlin, Charles N., Jr.: *See*— Hunter, Edward A., and Kimberlin.

Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of alumina from higher alcoholates of aluminum. 2,636,865, Apr. 28.

Kimberlin, Charles N., Jr., and E. M. Gladrow, Baton Rouge, La., assignors to Standard Oil Development Company. Catalytic cracking of hydrocarbons in the presence of added gaseous olefins. 2,626,233, Jan. 20.

Kimberlin, Charles N., Jr., C. E. Adams, R. W. Krebs, and R. W. Richardson, Baton Rouge, La., assignors to Standard Oil Development Company. Conversion of reduced crudes in the presence of an added naphtha. 2,636,844, Apr. 28.

Kimberlin, Charles N., Jr., and W. F. Arey, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon segregation utilizing urea and a nitrile. 2,656,342, Oct. 20.

Kimbro, Rushton O.: *See*— Spurgeon, Samuel J., and Kimbro.

Kimel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Tertiary ester. 2,628,250, Feb. 10.

Kimel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 3,7,11-trimethyl-1-dodecen-3-yl acetoncetate and the preparation thereof. 2,628,251, Feb. 10.

Kimel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of an octenone. 2,638,484, May 12.

Kimel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 1,1,2-trimethyl-propen-2-YL 3-oxobutanoate and its preparation. 2,658,911, Nov. 10.

Kimel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Branched chain octadecenone and preparation thereof. 2,660,608, Nov. 24.

Kimel, Walter, Highland Park, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Preparing 2,3-dimethyl-heptene-2-one-6. 2,662,920, Dec. 15.

Kimel, Walter, Highland Park, N. J., and N. W. Sax, Brooklyn, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of disubstituted propargyl acetoacetates and decarboxylation of same. 2,661,368, Dec. 1.

Kimm, Ewald J.: *See*— Curtis, Russell R., and Kimm.

Kimmel, Irvine, Miami Beach, Fla. Hinge, including a detachable leaf. 2,658,233, Nov. 10.

Kimmell, Garman O., Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Fluid pressure mechanism for effecting step-by-step operation of a member to be operated. 2,626,594, Jan. 27.

Kinard, Curtis, assignee: *See*— Roark, Leon S.

Kincaid, Elbert B., Cincinnati, Ohio, assignor to Container Corporation of America, Chicago, Ill. Packing element. 2,663,417, Dec. 22.

Kincaid, Homer F.: *See*— Parish, Christian O., and Kincaid.

Kincaid, Homer F., Carbon Cliff, Ill., J. D. Graham, Louisville, Ky., D. J. Reynolds, Chicago, Ill., and E. M. Wharff, Baltimore, Md., assignors to Westinghouse Electric Corporation and International Harvester Company. Electronic heat-treating device. 2,657,301, Oct. 27.

Kincaid, John H., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Rotary car dumper. 2,659,500, Nov. 17.

Kincaide, Merrill C., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Bearing for disk tools. 2,657,103, Oct. 27.

Kindelberger, James H., Pacific Palisades, Calif. Child's automobile seat. 2,664,140, Dec. 29.

Kinder, Don L., Redlands, Calif. Wind machine oscillator. 2,653,482, Sept. 29.

Kindorf Co., The, assignee: *See*— Kindorf, Harry L. and O. C.

Kindorf, Harry L. and O. C., assignors to The Kindorf Co., San Francisco, Calif. Hanger for attachment to structural shapes. 2,628,800, Feb. 17.

Kindorf, Orlan C.: *See*— Kindorf, Harry L. and O. C.

Kindorf, Orlan C., San Francisco, Calif. Clamp for hanging pipe and the like. 2,642,243, June 16.

Kindorf, Orlan C., San Francisco, Calif. C clamp. 2,659,561, Nov. 17.

Kindred, George C., Scarsdale, assignor to Kindred MacLean & Company, Inc., Queens Village, N. Y. Object for display. 2,648,151, Aug. 11.

Kindred MacLean & Company, Inc., assignee: *See*— Kindred, George C.

Kindseth, Erling L., Redlands, Calif. Egg scale. 2,640,691, June 2.

Kindseth, Harold V., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Pasting mechanism for bag closing and sealing machines. 2,624,309, Jan. 6.

Kindseth, Harold V., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Apparatus for filling and compacting material in bags and having a retractable bag bottom abutment member. 2,654,518, Oct. 6.

Kindseth, Harold V., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Bag opener. 2,654,519, Oct. 6.

Kindseth, Harold V., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Hopper and power actuated discharge gate. 2,661,876, Dec. 8.

Kindseth, Harold V., and H. K. Fox, assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Sewing machine construction. 2,630,086, Mar. 3.

Kindt-Collins Company, The, assignee: *See*— Rimmel, Ira A.

King, Alexander S., Jr., Virginia Beach, Va., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gas turbine fuel feed system with vapor removing means. 2,627,907, Feb. 10.

King, Alfred B., Company, The, assignee: *See*— King, John P., and Fitting.

King, Archie P., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide transducer. 2,656,513, Oct. 20.

King, Barry C., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Amplitude linearity measurement. 2,646,545, July 21.

King, Clayton, Camden, N. J. Combination crib, small bathtub, and toilet unit. 2,662,231, Dec. 15.

King, Clifford J., Malartic, Quebec, Canada. Mining drill bit extractor. 2,627,654, Feb. 10.

King, Conant M., Jr., Kingsville, and W. E. Heinz, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Treatment of aqueous formaldehyde. 2,636,053, Apr. 21.

King, Donald L.: *See*—
Hill, George B., and King.
King, Donald M., Hitchin, England. Trolley conveyer. 2,633,088, Mar. 31.
King, Dudley S.: *See*—
Wiegman, Clarence H., King, Rickenbach, and Rohm.
King, Edward H., Cincinnati, and J. S. Schumacher, Mariemont, assignors to The Hill & Griffith Company, Cincinnati, Ohio. Carbonaceous additive for molding sand. 2,644,741, July 7.
King, Edward E., Los Angles, Calif. Spray gun. 2,642,317, June 16.
King, Elmore L., New Rochelle, assignor to Affiliated Lithographers, Inc., New York, N. Y. Display card. 2,651,421, Sept. 8.
King, George R., Houston, Tex. Magnetically biased fluid pressure responsive valve. 2,644,477, July 7.
King, Geo. W., Limited, assignee: *See*—
Burrows, Arthur T. C.
Warwick, Kenneth B.
King, Gilbert W., South Lincoln, assignor to Arthur D. Little, Inc., Cambridge, Mass. Digital reader. 2,641,522, June 9.
King, Glengarry D., Oakland, assignor to Crown Zellerbach Corporation, San Francisco, Calif. Bag and handle. 2,661,892, Dec. 8.
King, H. A., assignee: *See*—
Peirce, Thomas H.
King, Harold S., assignor to Penn Controls, Inc., Goshen, Ind. Time-pressure control. 2,640,121, May 26.
King, Iliff F., Mount Pleasant, Iowa, assignor, by mesne assignments, to Swift & Company. Cream can empyting method. 2,631,112, Mar. 10.
King, James T., Burbank, Calif. Power transmission. 2,643,131, June 23.
King, John A., Manhasset, and F. H. McMillan, assignor to Warner-Hudnut, Inc., New York, N. Y. Amides. 2,640,055, May 26.
King, John D., Clairton, Pa. Cutter bit. 2,645,471, July 14.
King, John H., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ventilator for telephone booths. 2,628,550, Feb. 17.
King, John P., and H. T. Fitting, North Haven, assignors to The Alfred B. King Company, New Haven, Conn. Dye-house truck. 2,649,965, Aug. 25.
King, John W., and J. J. McNamee, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio. Mounting. 2,625,351, Jan. 13.
King, John W., Warrensville Heights, and J. J. McNamee, Garfield Heights, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio. Driving mechanism. 2,638,005, May 12.
King, Joseph C., assignor to Fairforest Company, Spartanburg, S. C. Treating textile articles. 2,633,446, Mar. 31.
King, Laurence F.: *See*—
Sproule, Lorne W., and King.
King, Lewis O., Willoughby, assignor to The Weatherhead Company, Cleveland, Ohio. Cylinder boss assembly. 2,664,222, Dec. 29.
King, Lucille, Bartow, Fla. Hair curler. 2,624,350, Jan. 6.
King, Manley E., Springville, N. Y. Differential drive mechanism. 2,638,795, May 19.
King, Mike J., Danville, Ill. Shielded electric light bulb. 2,633,549, Mar. 31.
King Organic Chemicals, Inc., assignee: *See*—
King, Robert G.
King Pneumatic Tool Company, assignee: *See*—
Bright, Harold T.
King, Raymond D., Roseville, Mich. Tip-up device for fishing through ice. 2,663,962, Dec. 29.
King, Raymond R., Ocean Gate, N. J., assignor to John W. Gottschalk Manufacturing Company, Philadelphia, Pa. Spool operating device. 2,629,566, Feb. 24.
King, Robert E.: *See*—
O'Connor, Bernard E., and King.
King, Robert G., assignor to King Organic Chemicals, Inc., Norwalk, Conn. Sulfur-containing plasticizing composition. 2,628,228, Feb. 10.
King, Robert S., Oak Park, Ill. Venetian blind vane spacer. 2,635,686, Apr. 21.
King Roofing and Manufacturing Co., assignee: *See*—
Thomas, John E.
King Sales & Engineering Co., assignee: *See*—
McGibbon, Leonard.
King-Seeley Corporation, assignee: *See*—
Bell, Rupert B.
Darnell, Rex. C.
Gaskell, Walter L.
Neumann, Kurt K.
Sivacek, Emil E.
King, William B., Yuma, Colo. Water gap gate. 2,636,296, Apr. 28.
King, William F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Commutator with self-wedging retaining rings. 2,660,683, Nov. 24.
King, William H.: *See*—
Dennis, Franklin L., King, and Myers.
Myers, Harold C., Pukkila, Houser, and King.
King, William H., West Springfield, assignor to Multicolor Gravure Corp., Florence, Mass. Making printing rolls. 2,638,050, May 12.
King, William R., Borger, Tex., assignor to Phillips Petroleum Company. Flow controller for granular solids. 2,650,693, Sept. 1.
King, William R., Longview, Tex. Starter for internal-combustion engines. 2,625,923, Jan. 20.
King, William R., Longview, Tex. Automatic pipe handler. 2,643,006, June 23.
King, William W., and H. C. Webb, Tunica, Miss. Wheeled attachment for transporting boats. 2,632,655, Mar. 24.
Kingan & Co., Incorporated, assignee: *See*—
Gannon, Alfred C., Kilby, and Rupp.
Kingdon, Ralph H., assignor to Square D Company, Detroit, Mich. Enclosure for electrical equipment. 2,634,319, Apr. 7.
Kingdon, Ralph H., assignor to Square D Company, Detroit, Mich. Electric switch. 2,654,011, Sept. 29.
Kingman & Co, Incorporated, assignee: *See*—
Gannon, Alfred C., and Kilby.
Jones, Thomas A. D., and Kilby.
Kingman, George F., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Bonding device and method. 2,642,919, June 23.
Kingman, Rufus M., assignor to Hewlett-Packard Company, Palo Alto, Calif. Terminal card manufacturing machine. 2,650,415, Sept. 1.
Kingsboro Silk Mills, Inc., assignee: *See*—
Quick, William G., and Wilson.
Kingsbury, Chadwick B., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Balloon guard. 2,660,856, Dec. 1.
Kingsbury, Chadwick B., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Yarn tensioning means for twisters. 2,662,364, Dec. 15.
Kingsbury, Chadwick B., Elizabethton, and R. H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Traverse guide trip. 2,625,333, Jan. 13.
Kingsbury, Chadwick B., Elizabethton, and R. H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Tension control device for textile thread. 2,656,126, Oct. 20.
Kingsbury, Webb, Dumont, N. J., assignor to United Fruit Company, Boston, Mass. Banked conveyer. 2,641,354, June 9.
Kingsley, David G., Mountain Lakes, assignor to Stapling Machines Co., Rockaway, N. J. Apparatus for feeding cleats to boxmaking machines. 2,658,631, Nov. 10.
Kingsley, David G., Mountain Lakes, assignor to Stapling Machines Co., Rockaway, N. J. Apparatus for orienting mitered cleats. 2,662,633, Dec. 15.
Kingsley, David G., Mountain Lakes, assignor to Stapling Machines Co., Rockaway, N. J. Apparatus for dispensing slats. 2,662,647, Dec. 15.
Kingsley, Errol F.: *See*—
Cerino, Michael J., and Kingsley.
Kingsley, Errol F., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Electric load stabilizer. 2,635,196, Apr. 14.
Kingsley, Errol F., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Electric load limiter. 2,637,822, May 5.
Kingsley, Lewis A., Los Angeles, Calif. Foil handling mechanism for stamping machines. 2,625,763, Jan. 20.
Kingsley, Lewis A., Los Angeles, Calif. Typeholder for gold stamping machines. 2,663,252, Dec. 22.
Kingsley, Ralph J., Buffalo, N. Y. Clothesline reel. 2,657,875, Nov. 3.
Kingsport Press, Inc., assignee: *See*—
Hicks, John N., Supy, and McDavid.
Kingston, Arthur W., Denham, England. Magazine for translucent strip records. 2,624,231, Jan. 6.
Kingston, Arthur W., Denham, England. Apparatus for the reproduction of optical records. 2,624,232, Jan. 6.
Kingston, Benson M., and J. B. Childress, Breckenridge, Tex., assignors to The Independent-Eastern Torpedo Company. Well treating solution. 2,663,689, Dec. 22.
Kingston Products Corporation, assignee: *See*—
Hept, Ralph W.
Hept, Ralph W., and Weber.
Kelly, George M.
Kelly, George M., and Leatherman.
Richards, Wayne V.
Weber, Nelson H.
Kinickij, Viktor A., Sao Paulo, Brazil. Circle diagram recorder. 2,643,933, June 30.
Kinkead, Alan, Los Altos, assignor to Williams-Wallace Company, San Francisco, Calif. Double walled pipe and coupling therefor. 2,650,112, Aug. 25.
Kinkead, Robert E., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio, as trustee. Composite metal manufacturing apparatus. 2,631,214, Mar. 10.
Kinkead, Robert E., Shaker Heights, assignor to The Cleveland Trust Company, Cleveland, Ohio. Making composite metal. 2,653,212, Sept. 22.
Kinker, Clarence C., Defiance, Ohio, assignor to Baldwin-Lima-Hamilton Corporation. Apparatus for forming articles of comminuted metal. 2,635,490, Apr. 21.

Kinker, Clarence C., Manitou Beach, Mich., and J. J. Murtagh, Toledo, Ohio, assignors to Gerity-Michigan Corporation, Adrian, Mich. Burnishing machine and method. Re. 23,715, Sept. 29.
Kinley, John C.: *See*—
Kinley, Myron M. and J. C.
Kinley, John C., assignee: *See*—
Dill, Glenn A.
Kinley, Myron M. and J. C., Houston, Tex. Tubing and casing caliper. 2,638,681, May 19.
Kinman, Thomas H., Rugby, England, assignor to General Electric Company. Crystal valve or rectifier. 2,633,489, Mar. 31.
Kinman, Thomas H., Rugby, England, assignor to General Electric Company. Photoelectric semiconductor device. 2,640,901, June 2.
Kinn, Theodore P.: *See*—
Corteggiano, William L., and Kinn.
Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Microwave heating. 2,640,142, May 26.
Kinn, Theodore P., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Microwave heating. 2,650,291, Aug. 25.
Kinnaird, Kenneth: *See*—
Mashburn, William O., Jr., Broetzler, and Kinnaird.
Kinnaman, Edward B.: *See*—
Tatom, Raymond F., and Kinnaman.
Kinne, Harvey E.: *See*—
Burdick, John N., and Kinne.
Kinnear, Joseph D., Jr., Detroit, Mich. Method and apparatus for applying seeds to carriers. 2,641,298, June 9.
Kinnebrew, William O., Winter Haven, Fla. Sizing apparatus. 2,630,224, Mar. 3.
Kinneman, William P., Westfield, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Wharf fender. 2,655,005, Oct. 13.
Kinneman, William P., Westfield, and W. N. Riker, Tenafly, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y. Reinforcing of concrete piles. 2,645,090, July 14.
Kinney, J. Warren, Jr., assignee: *See*—
Kinney, John W., Jr., and Tomarin.
Kinney, John W., Jr., and H. A. Tomarin, Cincinnati, Ohio, said Tomarin assignor to J. Warren Kinney, Jr. Garment hanger. 2,639,066, May 19.
Kinney Manufacturing Company, assignee: *See*—
Bowering, Henry G.
Kinney, Milton D.: *See*—
Tamminga, William J., Kinney, and Orr.
Kinney, Paul W., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized rubber adhesive compositions. 2,645,674, July 14.
Kinney, Robert E.: *See*—
Gorin, Everett, and Kinney.
Kinney, S. P., Engineers, Inc., assignee: *See*—
Kinney, Selwyne P.
Kinney, Selwyne P., Crafton, assignor to S. P. Kinney Engineers, Inc., Pittsburgh, Pa. Deflector vane structure for spray nozzles. 2,647,799, Aug. 4.
Kinnicutt, Roger, Jr.: *See*—
Young, Richard W., and Kinnicutt.
Kinraide, William T. R., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for treatment of strands. 2,631,385, Mar. 17.
Kinraide, William T. R., Bolton, Mass., and W. C. Eberlin, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vapor heated roll. 2,643,099, June 23.
Kinsella, Howard R., St. Louis, Mo., assignor to Magic Chef, Inc. Operating signal for electric ranges. 2,659,069, Nov. 10.
Kinsella, John, Luton, assignor to D. Napier & Son Limited, London, England. Apparatus for investigating the water content of a gas. 2,642,737, June 23.
Kinsella, John, Luton, assignor to D. Napier & Son Limited, London, England. Apparatus for detecting the occurrence or approach of icing conditions. 2,656,525, Oct. 20.
Kinsella, John, and E. O. Robertson, Luton, assignors to D. Napier & Son Limited, and The English Electric Company Limited, London, England. Heating of surfaces by laminated foil resistance elements with timed connecting means. 2,627,012, Jan. 27.
Kinsey, William P., St. Louis, Mo. Fishing reel. 2,641,417, June 9.
Kinsinger, Andrew S., Gordonville, Pa. Structure for mounting excavating and pipe and cable laying means on tractors. 2,638,832, May 19.
Kinsinger, Andrew S., Gordonville, Pa. Excavating and cable laying machine. 2,663,515, Dec. 22.
Kinskie, Adam L., Morristown, Tenn. Belt supported battery case. 2,625,192, Jan. 13.
Kintzinger, Warren H., Cedar Rapids, Iowa. Consumable cartridge. 2,632,391, Mar. 24.
Kinzbach, Robert R., Houston, Tex. Pressure relief valve assembly. 2,655,935, Oct. 20.
Kinzelman, Gerald W.: *See*—
Campbell, Ernest F., Kinzelman, and Stanton.
Kinzelman, Joseph, Northbrook, and F. A. Anetsberger, Chicago, assignors to Anetsberger Bros., Inc., Northbrook, Ill. Doughnut handling apparatus. 2,639,049, May 19.
Kipp, Egbert M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Fabrication of light metals. 2,659,252, Nov. 17.
Kipp, Ralph P., Ossining, N. Y. Power buck saw. 2,642,101, June 16.
Kipp, Samuel M., Pasadena, Calif. Multiway piston valve with removable bushing and packing structure. 2,661,182, Dec. 1.
Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Combined washing and extracting machine. 2,645,917, July 21.
Kirby, James B., West Richfield, Ohio. Vacuum cleaner. 2,648,396, Aug. 11.
Kirby, James B., West Richfield, Ohio. Fishing reel. 2,648,506, Aug. 11.
Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio. Washing machine. 2,638,372, Nov. 10.
Kirby, James E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Neutral esters of dicarboxylic acid orthophosphoric acid mixed anhydrides and condensation polymerization process utilizing the same. 2,625,536, Jan. 13.
Kirby, John, Spokane, Wash. Fishing line leader reel. 2,632,609, Mar. 24.
Kirby, Joseph J., North Arlington, and M. E. McGowan, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic glass bulb feed. 2,649,214, Aug. 18.
Kirby, Leonard, Jr., and G. A. Erickson, Mendham, assignors to Mepco, Inc., Morristown, N. J. Noninductive electrical resistor. 2,655,582, Oct. 13.
Kirby, Robert E.: *See*—
Vore, Milton P., and Kirby.
Kirby, Roy G., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,641,874, June 16.
Kirby, Roy G., J. M. Morgan, Jr., and J. Decker, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding wheel speed regulator. 2,641,875, June 16.
Kirby, Sam W.: *See*—
Cochrane, Harry G., and Kirby.
Kirby, Wilfred, assignor to Vickers-Armstrongs Limited, London, England. Manually operated wire stitching machine. 2,659,885, Nov. 24.
Kirchensteiner, Hans, Basel, H. Klaeui, Riehen, near Basel, and H. Lindlar, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Reductive process for preparing pteroyiglutamic acid. 2,658,896, Nov. 10.
Kircher, Paul J., Plainville, assignor to Landers, Frary & Clark, New Britain, Conn. Insertable holder for vacuum bottles. 2,630,233, Mar. 3.
Kircher, Paul J., Plainville, assignor to Landers, Frary & Clark, New Britain, Conn. Indicator for flatiron control means. 2,642,027, June 16.
Kircher, Paul J., Plainville, assignor to Landers, Frary & Clark, New Britain, Conn., Automatic coffee maker. 2,658,134, Nov. 3.
Kircher, Ralph N., and W. G. Laabs, assignors to West Bend Aluminum Co., West Bend, Wis. Electrically heated base for cooking. 2,638,526, May 12.
Kircher, Ralph N., West Bend, R. C. Heidner and W. B. Burkett, Hartford, assignors to West Bend Aluminum Co., West Bend, Wis. Resilient tilting lock for outboard motors. 2,646,238, July 21.
Kircher, Reymond J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photoelectric device. 2,641,712, June 9.
Kircher, Reymond J., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicontact semiconductor translating device. 2,644,914, July 7.
Kirchhoffer, Georges M. E. A.: *See*—
Poulenc, Pierre, Gauthier, and Kirchhoffer.
Kirchner, George J., Lorain, Ohio, assignor to United States Steel Corporation. Conveyer with displaceable bar-pulling dog and automatic control therefor. 2,630,624, Mar. 10.
Kirchofer, Alvin, assignor to Newburgh Metal Mfg. Corp., Newburgh, N. Y. Foldable reclining chair. 2,654,417, Oct. 6.
Kirk, George B.: *See*—
Riddell, Wallace C., and Kirk.
Kirk, John B., and G. E. Miller, Rome, N. Y. Pipe hanger with glide rollers. 2,641,428, June 9.
Kirk Manufacturing Co., assignee: *See*—
Kirk, William M.
Kirk, Melvin B., Liberal, Kans., assignor to The Hallen Company, Inc., Long Island City, N. Y. Horizontal earth boring machine. 2,647,726, Aug. 4.
Kirk, Robert L., assignee: *See*—
Hart, Stacy R.
Kirk, William M., assignor to Kirk Manufacturing Co., Amarillo, Tex. Animal rubbing and oiling station. 2,641,225, June 9.

Kirkbride, Chalmer G., Wallingford, and J. C. Dart, Moylan, assignors to Houdry Process Corporation, Philadelphia, Pa. Hydrocarbon conversion process utilizing the gas lift as the conversion zone. 2,628,188, Feb. 10.

Kirkby, Norman O.: *See*—
Gillick, Laurance H., Russell, and Kirkby.
Russell, Edward A., and Kirkby.

Kirkham, Hall, Cleveland, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Cylinder bearing and packing. 2,639,198, May 19.

Kirkham, Hall, Cleveland, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Flow control valve. 2,642,088, June 16.

Kirkpatrick, Alan F., Stamford, and C. R. Stryker, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Polarizing attachment for microscopes. 2,624,236, Jan. 6.

Kirkpatrick, Alton, Brighton, assignor to Stone & Webster Engineering Corporation, Boston, Mass. Condenser with subcooler and venting means. 2,661,190, Dec. 1.

Kirkpatrick, Arlo A.: *See*—
Baney, Harry N., Sientz, and Kirkpatrick.

Kirkpatrick, Harry A., Cambridge, and E. H. Krohn, Roxbury, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave guide joint. 2,632,807, Mar. 24.

Kirkpatrick, John A., assignor to Universal Manufacturing Corp., Zellenople, Pa. Scaffold connection. 2,650,120, Aug. 25.

Kirkpatrick, John A., assignor to Universal Manufacturing Corp., Zellenople, Pa. Bracing for scaffolds and the like. 2,662,798, Dec. 15.

Kirkpatrick, Willard H., assignor to Visco Products Company, Sugar Land, Tex. Breaking petroleum emulsions and compositions therefor. 2,654,714, Oct. 6.

Kirkpatrick, Willard H., Sugar Land, assignor to Visco Products Company, Houston, Tex. Compositions and process for emulsion. 2,662,859, Dec. 15.

Kirkpatrick, Willard H., Sugar Land, Tex., and E. T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex. Blown tall oil reaction products. 2,627,514, Feb. 3.

Kirkstall Forge Engineering Limited, assignee: *See*—
Wilson, Ronald H.

Kirkwood Commutator Company, assignee: *See*—
Klym, Julius.

Kirlin Company, The, assignee: *See*—
Kirlin, Ivan M.

Kirlin, Ivan M., Detroit, Mich., assignor to The Kirlin Company. Enclosed lamp receptacle with outlet box attached. 2,630,521, Mar. 3.

Kirlin, Ivan M., Detroit, Mich., assignor to The Kirlin Company. Recessed light fixture having heat insulated corner for terminals. 2,648,864, Aug. 11.

Kirsch Company, assignee: *See*—
Bell, Ralph E.

Kirsch, Howard A., and W. E. Skelton, Beacon, and W. V. Overbaugh, Fishkill, assignors to The Texas Company, New York, N. Y. Continuous process for separation of wax-like constituents from oil. 2,653,123, Sept. 22.

Kirschbaum, Emil, Grotzingen, near Karlsruhe, assignor to Industrie Werke Karlsruhe Aktiengesellschaft, Karlsruhe, Germany. Sprayer nozzle. 2,624,624, Jan. 6.

Kirschenbauer, Hans G., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Noncaking detergent compositions. 2,625,513, Jan. 13.

Kirschenbauer, Hans G., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Noncaking abrasive detergent compositions. 2,625,514, Jan. 13.

Kirschmann, John D., Regent, N. Dak. Brick and tile laying machine. 2,639,608, May 26.

Kirschstein, Julius: *See*—
Klein, Robert L., Maffei, and Kirschstein.

Kirshenbaum, Abraham D., Philadelphia, Pa., and J. M. Boyle, Bayonne, N. J., assignor to Standard Oil Development Company. Hydrocarbon oil composition. 2,637,696, May 5.

Kirshenbaum, Abraham D., Union, and H. W. Rudel, Roselle Park, N. J., assignors to Standard Oil Development Company. Monocyclic terpene-sulfur-phosphorus sulfide reaction product and lubricating oil containing the same. 2,654,711, Oct. 6.

Kirsten, Elwyn N., Philadelphia, Pa. Child's travel unit. 2,649,593, Aug. 25.

Kirsten, Hugo R., Brooklyn, N. Y. Lock buckle. Re. 23,747, Dec. 1.

Kirvay, Julius F., South Euclid, Ohio. Shield for linoleum covered sink tops. 2,635,253, Apr. 21.

Kirwin, Edward A., assignee: *See*—
Kowall, Alfred E.

Kirwin, John, Crystal Lake, Ill. Testing device for flash cameras. 2,625,863, Jan. 20.

Kisbey, Roy D., San Francisco, Calif. Brake unit. 2,626,019, Jan. 20.

Kiscaden, Elizabeth, Columbia, Pa. Diaper construction. 2,630,806, Mar. 10.

Kise, Mearl A., Portsmouth, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing a fertilizer containing water-insoluble nitrogen. 2,644,806, July 7.

Kise, Mearl A., Portsmouth, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Production of solutions of formaldehyde-urea reaction products. 2,652,377, Sept. 15.

Kise, Mearl A., Portsmouth, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dibasic silver salts of alkenyl succinic acids and combating fungus infestations therewith. 2,655,460, Oct. 13.

Kise, Mearl A., Portsmouth, Va., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Complex zinc- and silver-ammonia salts of alkenyl succinic acids, preparing them, and combating fungi therewith. 2,655,461, Oct. 13.

Kish, Alexander J.: *See*—
Deatrick, Arthur H., and Kish.

Kish, George D.: *See*—
Risley, Roger E., and Kish.

Kish Plastic Products, Inc., assignee: *See*—
Kish, Steven P.

Kish, Steven P., assignor to Kish Plastic Products, Inc., Lansing, Mich. Making reproduction fixtures. 2,632,922, Mar. 31.

Kish, Steven P., assignor to Kish Plastic Products, Inc., Lansing, Mich. Making industrial models and fixtures. 2,652,595, Sept. 22.

Kishline, Floyd F., and R. H. Phelps, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Resilient connection. 2,659,619, Nov. 17.

Kiss, Joseph D., Detroit, Mich. Rolling mill. 2,646,103, July 21.

Kisskalt, Adam J., Grosse Pointe, assignor to Mechanical Handling Systems Inc., Detroit, Mich. Oven drier. 2,651,849, Sept. 15.

Kissling, Hans, St. Martin, Switzerland. Tube closing system. 2,642,208, June 16.

Kissner, James E., E. L. Green, and John E. Kissner, Lottie, La. Tree and brush cutting attachment for bulldozers. 2,633,164, Mar. 31.

Kissner, John E.: *See*—
Kissner, James E., Green, and Kissner.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Making dense, hard, abrasion resistant ceramic articles. 2,624,097, Jan. 6.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Heat exchange pebble. 2,624,556, Jan. 6.

Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Ceramic articles, Making. 2,629,161, Feb. 24.

Kistner, Harold J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Rebound preventing type bar rest for typewriting machines. 2,641,349, June 9.

Kistner, Herman H., Glen Ridge, N. J. Valve replacement unit. 2,658,715, Nov. 10.

Kistner, Mitchell: *See*—
Skillman, Claude T., and Kistner.

Kita, Donald A.: *See*—
Shull, Gilbert M., Kita, and Davisson.

Kitcat, Lewis G., London, England. Nipping press for bookbinding. 2,644,965, July 14.

Kitch, Darwin J., Chicago, Ill. Aerial cargo landing container. 2,644,655, July 7.

Kitchen, Herman W., Leasburg, Mo. Rotary scoop and grader. 2,648,922, Aug. 18.

Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Terpenylalkylphenols and their preparation. 2,647,152, July 28.

Kitson, Charles H., assignee: *See*—
Kitson, Gerald L.

Kitson, Gerald L., Rockford, Mich., assignor of one-half to C. N. Cordis, Chicago, Ill., one-sixth to C. H. Kitson, and one-sixth to L. Kitson, Rockford, Mich. Stock feeder. 2,640,463, June 2.

Kitson, Leon, assignee: *See*—
Kitson, Gerald L.

Kittelson, Le Roy O., Tracyton, assignor to Engineering Development Corporation, Bremerton, Wash. Controlling warpage in iron castings during welding. 2,632,944, Mar. 31.

Kitterman, Donald M., Kansas City, Kans. Screw-retaining clamp for power-driven screw drivers. 2,658,538, Nov. 10.

Kitterman, John E., assignor to E. L. Bruce Company, Memphis, Tenn. Apparatus for finishing wood flooring units. 2,651,289, Sept. 8.

Kittler, Milton J., Detroit, Mich., assignor to G. M. and E. Holley. Concentric carburetor. 2,661,937, Dec. 8.

Kittler, Walter E., Mandan, N. Dak. Pipe elevator. 2,662,791, Dec. 15.

Kittleson, Allen R., Cranford, N. J., assignor to Standard Oil Development Company. Manufacture of N-trichloromethylthio imides. 2,653,155, Sept. 22.

Kitto, William H.: *See*—
McMaster, Archie J., Kitto, and Burian.

Kittridge, Edward E., Chicago, Ill. Price indicating structure. 2,629,951, Mar. 3.

Kittredge, Raymond E., Chenango, assignor to Link Aviation, Inc., Binghamton, N. Y. Dynamic pressure computer and control loading means operated thereby for grounded aviation trainers. 2,627,675, Feb. 10.

Kitzrow, Herbert, Kettwig-Ruhr, Germany, assignor, by mesne assignments, to J. & P. Coats Limited, Glasgow, Scotland. Thread reel. 2,648,507, Aug. 11.

Kivari, Arthur M.: *See*—
Kelly, Earl M., and Kivari.
Kelly, Karl M., and Kivari.

Kivari, Arthur M., Los Angeles, and E. M. Kelly, Burlingame, assignors to Process Engineers Incorporated, San Francisco, Calif. Clarification. 2,649,412, Aug. 18.

Kivell, Wayne A.: *See*—
Fischer, Anthony J., and Kivell.

Kiviluoma, Katherine, Elmhurst, Ill. Hair curler. 2,627,275, Feb. 3.

Kirley, Ray C., Kenmore, assignor to Western Electric Company, Incorporated, New York, N. Y. Die block for wire drawing machines. 2,633,234, Mar. 31.

Kiwad, Isadore, Westwood, N. J. Toe protector. 2,640,482, June 2.

Kiwad, Isadore, Westwood, N. J. Toe protector. 2,655,917, Oct. 20.

Kiwad, Isadore, Westwood, N. J. Cap forming apparatus. 2,657,839, Nov. 3.

Kjellgren, Sigfred P., Rockford, Ill. Sliding closure. 2,657,111, Oct. 27.

Klaar, Albert: *See*—
Aurbach, Kurt, and Klaar.

Klaar, Albert, assignor to Anker-Werke, A. G., Bielefeld, Germany. Recording device for cash registers, accounting machines, and the like. 2,649,732, Aug. 25.

Klaasen, Ralph J., Lompoc, and E. M. Olsen, Avenal, Calif. Casing perforator. 2,638,801, May 19.

Klabunde, Otto, Chicago, Ill. Sanitary toilet bowl appliance. 2,631,296, Mar. 17.

Klabunde, Otto, Chicago, Ill. Drafting device. 2,632,975, Mar. 31.

Klabunde, Otto, Chicago, Ill. Floating belt. 2,645,791, July 21.

Klaesson, John G. E., Orebro, Sweden. Convertible loom. 2,640,505, June 2.

Klaeui, Heinrich: *See*—
Kirchensteiner, Hans, Klaeui, and Lindlar.

Klager, Karl, Monrovia, Calif. Valeric acid derivatives. 2,640,072, May 26.

Klages, Henry W., Portland, Oreg. Land leveling machine. 2,663,099, Dec. 22.

Klages, Norman H., assignor to American Window Glass Company, Pittsburgh, Pa. Glass cutting machine. 2,650,430, Sept. 1.

Klages, Reynold E., assignor to The Columbus Auto Parts Company, Columbus, Ohio. Making a two-part ball construction. 2,625,736, Jan. 20.

Klagges, Henry C., Haddon Township, Camden County, assignor to The Esterbrook Pen Company, Camden, N. J. Fountain pen with positioning means for the ink sac thereof. 2,631,569, Mar. 17.

Klammer, George, trustee, assignee: *See*—
Von Szilágyi, Franz.

Klammt, Arthur, Yonkers, N. Y., and G. W. Kretzschmar, Garfield, N. J., assignors to W. M. Ritter Lumber Company. Machine for applying adhesives in the bottoms of the grooves of flooring strips. 2,652,806, Sept. 22.

Klante, Herman J., assignor to Lily-Tulip Cup Corporation, New York, N. Y. Means for holding receptacles. 2,654,628, Oct. 6.

Klapheke, Frank E.: *See*—
Cord, Howard O., Merten, and Klapheke.

Klapper, Edward L., assignee: *See*—
Coleman, Philip G.

Klarer, Joseph, and H. Timmler, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Producing alkylene-bis-dithio-alkylene and -arylene-dicarboxylic acids. 2,657,231, Oct. 27.

Klarer, Joseph, and R. Behnisch, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Preparation of thiosemicarbazides. 2,657,234, Oct. 27.

Klares, John F.: *See*—
Nagy, Steve J., and Klares.

Klatte, Theodor, Bremen-Huchting, and O. Nübling, Berlin-Frohnau, Germany, said Nübling assignor to said Klatte. Hydraulic drive. 2,634,582, Apr. 14.

Klaucke, Hermann, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Excavating mechanism for trench digging machines. 2,637,917, May 12.

Klauder, Norman, executor: *See*—
Roth, Raymond T.

Klaudt, Helmuth R., Menno, S. Dak. Exercise bar. 2,637,555, May 5.

Klause, Karl: *See*—
Mueller, William G., Cherepow, Bartes, and Klause.

Klausing, William H.: *See*—
Hein, August E., and Klausing.

Klausmann, Milton H., Maplewood, and H. J. Brucker, Springfield, assignors to Seal-Spout Corporation, Newark, N. J. Machine for attaching pouring spouts to containers. 2,654,332, Oct. 6.

Klauss, Ralph E.: *See*—
Tuttle, Clifton M., and Klauss.

Klavon, Theodore M., Jackson, assignor to Universal Vice & Tool Company, Parma, Mich. Workholder for drill presses. 2,655,822, Oct. 20.

Klay, George H., deceased, Bluffton, Ohio, by J. Burkholder, administratrix, assignor to The Triplett Electrical Instrument Co., Bluffton, Ohio. Selector switch. 2,631,211, Mar. 10.

Klear-Vu Corporation, assignee: *See*—
Mintz, Jacob J., and Muller.

Klebanoff, Michael: *See*—
Glickman, Mannes N., Klebanoff, and Neidorf.

Klebba, Arthur A., Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Marine wave meter. 2,637,999, May 12.

Klebes & Co., assignee: *See*—
Mussgiller, Johann F. W.

Klee, Camilla: *See*—
Bachmann, Camilla.

Klee, Howard H.: *See*—
Goodwin, George I., and Klee.

Klee, Jacob E., Webster Springs, W. Va. Window structure. 2,646,599, July 28.

Kleen, Werner, O. Döhler, and H. Huber, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Ultra short wave generator having a wide bank of oscillation frequencies. 2,657,314, Oct. 27.

Kleijn, Adrianus, and H. J. Houtgraaf, Rotterdam, Netherlands; said Houtgraaf assignor to said Kleijn. Treatment of flour and similar ground products. 2,630,392, Mar. 3.

Kleiman, Morton, Chicago, Ill., assignor to Arvey Corporation. Pesticidal compounds. 2,655,513, Oct. 13.

Kleiman, Morton, Chicago, Ill., assignor to Arvey Corporation. Pesticidal compounds. 2,655,514, Oct. 13.

Kleiman, Morton, Chicago, Ill., assignor to Arvey Corporation. Chlorination of cyclopentadiene. 2,658,085, Nov. 3.

Kleiman, Morton, and A. Goldman, Chicago, Ill., assignors to Arvey Corporation. Production of composition of matter. 2,662,922, Dec. 15.

Klein, Arnold M., Brooklyn, N. Y., and J. F. Hall, Jr., Dayton, Ohio. Air ventilated suit. 2,657,396, Nov. 3.

Klein, Arthur, New York, N. Y. Hair curler. 2,631,594, Mar. 17.

Klein, Benjamin: *See*—
Klein, Goldie J. and B.

Klein, Charles H., Cleveland, Ohio, and T. M. Porter, Brookline, Mass., assignors to The National Telephone Supply Company, Cleveland, Ohio. Portable hand tool for alternative direct and step-by-step operation. 2,643,564, June 30.

Klein, Chris, Warrenville, R. C. Skarin, Western Springs, and W. G. Tinker, Itasca, assignors to The Petersen Oven Company, Franklin Park, Ill. Unit heating system for baking ovens. 2,637,283, May 5.

Klein, Clarence J., Weirton, W. Va., assignor to National Steel Corporation. Conductor roll for apparatus for electrolytically treating strip. 2,652,461, Sept. 15.

Klein, David X., Passaic, and M. N. Curgan, Clifton, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Composition comprising a polyvinyl chloride resin, a plasticizer and a viscosity controlling agent. 2,657,186, Oct. 27.

Klein, David X., Upper Montclair, T. A. Girard, Clifton, and H. R. Johnson, Glen Rock, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Manufacture of benzil. 2,658,920, Nov. 10.

Klein, Dora M., assignee: *See*—
Weinberger, Morris.

Klein, Goldie J. and B., New York, N. Y. Greeting display card. 2,661,559, Dec. 8.

Klein, Gustav, Elkins Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Automatic oven for gas burning stoves. 2,635,683, Apr. 21.

Klein, Harold, Los Angeles, Calif., and E. B. Laskin, Baltimore, Md. Compressor surge inhibitor. 2,660,366, Nov. 24.

Klein, Howard F., assignor of twenty-five per cent to H. Diamond, Pittsburgh, Pa. Wheel assembly. 2,627,440, Feb. 3.

Klein, Jacob, Fresno, Calif. Oil gauge wiper. 2,659,922, Nov. 24.

Klein, Johann, Brooklyn, N. Y. Sectional shield for clotheslines. 2,650,716, Sept. 1.

Klein, Joseph J.: *See*—
Lamb, Miles A., Klein, Stranberg, and Frankowski.

Klein, Joseph R., Los Angeles, Calif. Louvered window. Re. 23,759, Dec. 29.

Klein, Louis E., St. Louis, Mo., and A. R. Hempel, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Coating composition having accelerated drying time and accelerating same. 2,658,003, Nov. 3.

Klein, Ludolf, Brooklyn, assignor to Lesco Ltd., New York, N. Y. Billfold. 2,629,419, Feb. 24.

Klein, Markus, Pittsburgh, Pa. Push-button combination lock. 2,628,490, Feb. 17.

Klein, Morris W., Newark, N. J. Multiple tie rack. 2,634,031, Apr. 7.

Klein, Norman E., Clemson, assignor to Deering Milliken Research Trust, Pendleton, S. C. Twisting device for textile strands. 2,625,786, Jan. 20.

Klein, Norman E., Clemson, S. C., assignor to the United States of America as represented by the Secretary of the Navy. Tunable high-frequency oscillator. 2,627,578, Feb. 3.

Klein, Norman E., Clemson, assignor to Deering Milliken Research Trust, Pendleton, S. C. Process and apparatus for converting textile fibers. 2,641,804, June 16.

Klein, Norman E., Garden City, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Magnetic orientation. 2,628,502, Feb. 17.

Klein, Norman E., Garden City, and J. W. Wright, Manhasset, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Orientation system. 2,648,042, Aug. 4.

Klein, Norman E., Stamford, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Control system. 2,638,731, May 19.

Klein, Otto J., Nurnberg (Bavaria), Germany, assignor to International Standard Electric Corporation, New York, N. Y. Selenium dry-disk rectifier. 2,663,831, Dec. 22.

Klein, Robert L., Rochelle Park, N. J. Sash ventilator. 2,624,263, Jan. 6.

Klein, Robert L., Rochelle Park, N. J., and C. C. J. Maffei and J. Kirschstein, Brooklyn, N. Y., assignors to Windalume Corporation, West New York, N. J. Window. 2,659,113, Nov. 17.

Klein, Samuel S.: *See*—
Rheins, Joseph M., and Klein.

Klein, Victor G.: *See*—
Fox, Alexander P., and Klein.
Rotter, Lutwin C., and Klein.

Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Diaphragm device. 2,625,954, Jan. 20.

Klein, Victor G., Overland, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,650,677, Sept. 1.

Klein, Victor G., Defiance, and P. Walls, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricating apparatus. 2,658,585, Nov. 10.

Klein, Walter: *See*—
Ravizza, Gottfried, Keiner, and Klein.

Klein, Walter, Dutenhofen (Kreis) Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H. Microscope objective. 2,644,943, July 7.

Klein, William C.: *See*—
Lebedeff, Yurii E., and Klein.

Klein, William F., Watertown, N. Y., assignor to The New York Air Brake Company. Brake cylinder release valve. 2,650,138, Aug. 25.

Klein, William F., Watertown, N. Y., assignor to The New York Air Brake Company. Brake cylinder release valve. 2,650,139, Aug. 25.

Kleinen, Theodor, Duisburg, Germany. Horizontal flue boiler with combustion preheater. 2,643,645, June 30.

Kleiner, Helmut, Opladen, O. Bayer, Leverkusen-Bayerwerk, and B. Becht, Leverkusen-Wiesdorf, assignors to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany. Textile printing paste and coating therewith. 2,643,958, June 30.

Kleinhans, Arthur B., deceased, Easton, Pa., M. B. Kleinhans, executrix of said A. B. Kleinhans, assignor to Lord & Burnham Division of Burnham Corporation, Irvington, N. Y. Greenhouse construction. 2,639,009, May 19.

Kleinhans, Millicent B., executrix: *See*—
Kleinhans, Arthur B.

Kleinhans, Schuyler: *See*—
Croshere, Austin B., Jr., Kleinhans, and Wood.

Kleinman, Harry, Staten Island, N. Y. Rink roller skate with quickly exchangeable trucks. 2,664,294, Dec. 29.

Kleinman, Jacob L., New York, N. Y. Helmet. 2,629,095, Feb. 24.

Kleinman, Jacob L., New York, N. Y. Shaving implement. 2,629,169, Feb. 24.

Kleinman, Jacob L., New York, N. Y. Shoulder pad structure. 2,640,993, June 9.

Kleinmann, Jack H.: *See*—
Kleinmann, Max and J. H.

Kleinmann, Max and J. H., Brooklyn, N. Y. Razor blade magazine. 2,630,625, Mar. 10.

Kleinschmidt, Edward E., Highland Park, Ill. Latch operated clutch mechanism. 2,644,560, July 7.

Kleinschmidt, Roger F., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Mixed acetals of 2-propyn-1-ol. 2,641,615, June 9.

Kleinsmith, Ben, Seattle, Wash. Power-driven reciprocating saw. 2,627,882, Feb. 10.

Kleis, Leonard F., Oak Park, assignor to K-G Electronics Corporation, Chicago, Ill. Antenna. 2,657,311, Oct. 27.

Kleiss, Louis D., Borger, Tex., assignor to Phillips Petroleum Company. Fluid velocity responsive regulating or indicating means. 2,628,499, Feb. 17.

Kleist, Dudley C., Portland, Oreg. Apparel holder for coat hangers. 2,646,195, July 21.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Self-contained refrigerating freight car unit. 2,635,432, Apr. 21.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Refrigerant plate. 2,638,754, May 19.

Klemm, Edwin O., assignor, by mesne assignments, to Saginaw Wire Products, Inc., Saginaw, Mich. Wire bending die unit. 2,659,408, Nov. 17.

Klemm, Edwin O., assignor, by mesne assignments, to Saginaw Wire Products, Inc., Saginaw, Mich. Wire bending machine. 2,659,409, Nov. 17.

Klemm, Herman G., Birmingham, and N. A. Nelson, Royal Oak, assignors to Harry Ferguson, Inc., Detroit, Mich. Implement with plurality of plow elements. 2,662,460, Dec. 15.

Klemm, William F., Detroit, Mich. Expansion arbor. 2,630,039, Mar. 3.

Klemme, Willard A.: *See*—
Gerhard, August A., and Klemme.

Klemperer, Wolfgang B., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aircraft cabin rate of climb control instrument. 2,632,374, Mar. 24.

Klenk, George W., Eugene, Oreg. Combination serving stand and beverage dispenser. 2,649,997, Aug. 25.

Klenk, Karl J., Wilmington, Del. Cam closing hand tool. 2,655,722, Oct. 20.

Klepetko, Ernest and P. de B. Kaye, Bauer, assignors to Combined Metals Reduction Company, Stockton, Utah. Spray drying method and apparatus therefor. 2,636,555, Apr. 28.

Klepetko, Ernest, Jr., Aruba, Curacao, Netherlands, West Indies. Power transmission. 2,641,142, June 9.

Klepper, Hans, Ecking, near Solhuben, Germany. Garment ventilating means. 2,631,290, Mar. 17.

Klepper-Werke, assignee: *See*—
Hermann, Franz.

Kless, Herman L., Houston, Tex. Drill bit. 2,628,073, Feb. 10.

Klessig, Ernst F.: *See*—
Gardiner, Duncan B., Klessig, and Parsons.

Klessig, Ernst F., Berkley, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,641,193, June 9.

Klessig, Ernst F., Berkley, assignor to Vickers Incorporated, Detroit, Mich. Sequence valve. 2,653,624, Sept. 29.

Kletsky, Milton J., Albany, N. Y. Paint spray mask for auto tires. 2,652,023, Sept. 15.

Kleven, Arthur E., Augusta, Maine. Making lasted shoes with flanged insoles. 2,644,179, July 7.

Kleven, Peter S.: *See*—
Crandall, Ronald E., Kleven, and Baldwin.

Kley, Peter T.: *See*—
Peake, Andrew E., and Kley.

Klickman, Amiel F., Toledo, Ohio. Close-off device for pipe lines. 2,645,244, July 14.

Kliewer, Edward A., Sr., Longview, Tex. Engine starter. 2,624,424, Jan. 6.

Kligler, Arthur M.: *See*—
Kligler, Sylvia, and A. M.

Kligler, Sylvia and A. M., Jamaica, N. Y. Form-fitting diaper garment. 2,633,132, Mar. 31.

Klik Enterprises, Inc., assignee: *See*—
Meyers, Louis G.

Klimek, Anthony J., Terre Haute, Ind. Foundry flask. 2,624,926, Jan. 13.

Klimek, Leo J., Sauk Centre, Minn. Ruler gauge. 2,649,784, Aug. 25.

Klinkowski, Robert J., Chicago, and R. T. Florence, Park Ridge, assignors to A. B. Dick Company, Niles, Ill. Azo dye duplicating process. 2,634,677, Apr. 14.

Kline, Donald, Aurora, and E. N. Michna, assignors, by mesne assignments, to Peterson Products Corporation, Chicago, Ill. Slatted conveyer. 2,628,705, Feb. 17.

Kline, Herbert J., Jackson, Mich., assignor, by mesne assignments, to National Die Casting Company, Chicago, Ill. Appliance bracket. 2,636,708, Apr. 28.

Kline, John E., Grosse Pointe Farms, assignor to Micromatic Hone Corporation, Detroit, Mich. Honing tool for external cylindrical surfaces. 2,655,771, Oct. 20.

Kline, Kenneth H., Oak Ridge, Tenn, assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for measuring liquid level. 2,651,940, Sept .15.

Kline, Max M., Raritan Township, Middlesex County, N. J., and C. O. Pike, Reno, Nev., assignors to Industrial Tape Corporation. Heat sealing adhesive sheets or tapes. 2,631,947, Mar. 17.

Kline, Robert V.: *See*—
Greiner, John W., Hanze, Kline, Richmond, and Bedell.

Kling, Ken, assignee: *See*—
Sierer, Payson, and Waterbury.

Kling, Leroy A., assignee: *See*—
Elliston, Mary W.

Kling, Olaf E., Chicago, and J. P. Jorgenson, Wilmette, Ill. Tumbler. 2,645,033, July 14.

Kling, Robert W., assignor to Athey Products Corporation, Chicago, Ill. Adjustable shaker screen drive mechanism. 2,647,630, Aug. 4.

Kling, Robert W., assignor to Athey Products Corporation, Chicago, Ill. Swivel conveyer and means for mounting and driving the same. 2,648,422, Aug. 11.

Klinge, Hans C., Portland, Oreg. Tractor attachment. 2,630,231, Mar. 3.

Klingens, Cornelis, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Belt tension equalizing device. 2,629,263, Feb. 24.

Klingens, Cornelis, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Knife sharpening mechanism for rotary slicing machine knives. 2,633,683, Apr. 7.

Klinger, James D.: *See*—
Van Horn, John C., Ohlmann, Klinger, and Wright.

Klinger, Stuart D., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Gas engine. 2,635,589, Apr. 21.

Klingerit, Inc., assignee: *See*—
Strahman, Dietrick.

Klingler, Hughlin E., Elkhart, Ind. Mixing valve. 2,647,537, Aug. 4.

Klingler, Karl A., assignor to Roth Rubber Company, Chicago, Ill. One-piece check valve of molded resilient material. 2,644,663, July 7.

Klink, Herbert R., Roanoke, Va. Grain sterilizing device. 2,637,624, May 5.

Klinksiek, Karl W., Richmond Heights, assignor to Wagner Electric Corporation, St. Louis, Mo. Commutator forming and assembling machine. 2,638,661, May 19.

Klinicki, Anthony S., Detroit, Mich. Fishhook extractor. 2,644,268, July 7.

Klinkert, Leonard, G. C. A. M. Moubis, and J. L. H. Jonker, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mounting the electrode system for electric discharge tubes. 2,644,998, July 14.

Klinkhamer, Jacob F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric filter network. 2,662,216, Dec. 8.

Klinzing, August F., Milwaukee, Wis. Animal actuated drinking fountain. 2,639,690, May 26.

Klinzing, Louis H.: *See*—
Evans, John R., Elkins, and Klinzing.

Klipfel Valves Inc., Division of Hamilton-Thomas Corp., assignee: *See*—
McCarthy, Elmer T.

Klippert, Andrew A., Hollis, and R. P. McGhie, New York, N. Y., and E. L. Richardson, Bound Brook, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Package of pastelike material. 2,631,722, Mar. 17.

Klippel, George H., Syracuse, N. Y. Anchor rope snubber for boats. 2,636,466, Apr. 28.

Klockner-Humboldt-Deutz Aktiengesellschaft, assignee: *See*—
Flatz, Emil.
Kloss, Richard.
Müller, Franz.
Müller, Franz, and Winners.

Kloess, Armin J., Los Angeles, Calif. Producing edible coatings for edible products. 2,663,269, Dec. 22.

Klofanda, Carlyle W., Fennimore, Wis. Stretcher for spectacle frames. 2,628,517, Feb. 17.

Klomp, Alfred W., assignor to Process Gear and Machine Co., Detroit, Mich. Generating gears. 2,646,724, July 28.

Klooz, Paul W., West Hartford, assignor to The Holo-Krome Screw Corporation, Elmwood, Conn. Self-locking setscrew. 2,631,635, Mar. 17.

Klopfenstein, Jess D., Oak Park, assignor to The Meyercord Company, Chicago, Ill. Screen printing machine. 2,624,276, Jan. 6.

Klopfenstein, Jess D., Oak Park, assignor to The Meyercord Company, Chicago, Ill. Machine for applying decal films to base sheets. 2,643,475, June 30.

Klopfenstein, N. W., assignee: *See*—
White, William C.

Klöpping, Carel P., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Short-wave electric discharge tube. 2,663,820, Dec. 22.

Klose, Alfred J., Rolling Hills, assignor to G. M. Giannini & Co. Inc., Pasadena, Calif. Brush lifting device for variable resistances. 2,640,900, June 2.

Kloski, John F., Hartford, and W. H. Kupper, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Operation control interlocking mechanism for typewriters or like machines. 2,633,966, Apr. 7.

Klosky, Frank P., Olean, N. Y. Combination commercial container and household measuring vessel. 2,640,628, June 2.

Kloss, Richard, Koln-Buchforst, assignor to Klockner-Humboldt-Deutz A. G., Koln, Germany. Cylinder head for diesel engines. 2,658,493, Nov. 10.

Klosse, Ernst, assignor to Total Kommanditgesellschaft Foerstner & Co., Ladenburg (Neckar), Germany. Means for mixing two liquids under different pressures. 2,633,859, Apr. 7.

Klostermann, Curt W., Chicago, and C. J. Adams, Park Ridge, assignors to American Phenolic Corporation, Chicago, Ill. Hermetically sealed socket with freely floating contacts. 2,658,183, Nov. 3.

Kloth, Arthur P., Brooklyn, N. Y. Steam radiator attachment. 2,630,973, Mar. 10.

Klotz, Günther: *See*—
Stengel, Erwin, and Klotz.

Klotz, Henry J., St. Louis, Mo. Surgical apparatus. 2,655,153, Oct. 13.

Klotz, Robert L., Jr., Hazleton, Pa., assignor to Seismograph Service Corporation, Tulsa, Okla. Shooting oil wells. 2,630,182, Mar. 3.

Klotzbaugh, George A.: *See*—
Duckett, Edward J., and Klotzbaugh.

Klover John M.: *See*—
Wirtz, Francis E., and Klover.

Kluck, Louis, Odessa, Tex. Rib type casing centralizer. 2,636,564, Apr. 28.

Kluck, Theodore W., Houston, Tex. Two-way jack shaft assembly with dado adapter for portable electric saws. 2,646,090, July 21.

Kluckhohn, Edward H., Naperville, Ill. Earth digging bucket. 2,652,639, Sept. 22.

Kludt, Jonathan, Overland, and H. Parks, assignors to Lincoln Engineering Company, St. Louis, Mo. Apparatus for assembling threaded parts. 2,627,108, Feb. 3.

Klueger, Joseph E., assignor to The Standard Oil Company, Cleveland, Ohio. Mineral oil treating system. 2,631,969, Mar. 17.

Kluender, Arnold F., Chicago Heights, Ill., assignor to Mor-Film Company. Coating and lubricating composition. 2,664,399, Dec. 29.

Klug, Charles W., Chicago, Ill. Thermally actuated voltage indicator. 2,654,865, Oct. 6.

Klug, Clarence, assignor, by mesne assignments, to Alexander H. Kerr & Company, Incorporated, Los Angeles, Calif. Removing size from glass fibers and the subsequent coating thereof. 2,633,428, Mar. 31.

Klug, Erhard, Montvale, N. J. Apparatus for coating and dispensing tape. 2,626,588, Jan. 27.

Klug, Simon, Caledonia, Minn. Grain lifting device. 2,660,020, Nov. 24.

Klugh, Bethune G., and G. C. Perrine, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Briquetting roll. 2,662,246, Dec. 15.

Klugh, Bethune G., Birmingham, and G. C. Perrine, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Briquetting roll assembly. 2,662,247, Dec. 15.

Kluglein, Helmuth: *See*—
Kluglein, Theobald and H.

Kluglein, Theobald and H., Valley Stream, N. Y. Adjustable reclining chair. 2,628,661, Feb. 17.

Klun, William F.: *See*—
Armington, Raymond Q., and Klun.

Kluter, George L., Shaker Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Faller bar. 2,648,873, Aug. 18.

Kluz, Walter C., Yonkers, N. Y., assignor to Ward Leonard Electric Company. Electromagnetic audio amplifier. 2,657,281, Oct. 27.

Klyce, Battle H., Stamford, Conn., assignor to Time, Incorporated, New York, N. Y. Scanning device. 2,644,031, June 30.

Klym, Julius, assignor to Kirkwood Commutator Company, Cleveland, Ohio. Commutator blank and making commutators. 2,651,834, Sept. 15.

Kmit, John: *See*—
Denker, Charles T., and Kmit.

Kmonk, Andrew, Rosemead, Calif. Collapsible ironing board. 2,630,639, Mar. 10.

Knabb, Charles S.: *See*—
Sternbergh, Solon A., and Knabb.

Knandel, George J., Glen Rock, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system. 2,654,797, Oct. 6.

Knapp, Alfred P., Jackson Heights, assignor to Knapp Mills Incorporated, Long Island City, N. Y. Method and apparatus for coating metallic objects. 2,628,393, Feb. 17.

Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying device. 2,628,130, Feb. 10.

Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Sandwich grid. 2,632,380, Mar. 24.

Knapp, Charles F., Mariners Harbor, N. Y. Smoker's ash receptacle. 2,645,230, July 14.

Knapp, Charles W., Oxford, Kans. Grappling unit. 2,624,611, Jan. 6.

Knapp, Emil, Floral Park, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Temperature compensation adjustment for pressure responsive instruments. 2,628,501, Feb. 17.

Knapp, George P.: *See*—
Kochenburger, Ralph, Chillson, and Knapp.

Knapp, George P., Verona, W. E. Burns, Denville, W. P. Robbins, and R. T. Zwack, Caldwell, N. J., assignors to Curtiss-Wright Corporation. Turbine propeller control system. 2,640,550, June 2.

Knapp, Ismond E.: *See*—
Eckhardt, Owen S., Cook, and Knapp.
Eckhardt, Owen S., and Knapp.

Knapp, Joseph F., Naugatuck, assignor to Knapp Machine Corporation, Waterbury, Conn. Illuminating device for graphic layout tables. 2,643,326, June 23.

Knapp Machine Corporation, assignee: *See*—
Knapp, Joseph F.

Knapp, Mary C., Springville, N. Y. Crayon pointer. 2,664,072, Dec. 29.

Knapp Mills Incorporated, assignee: *See*—
Knapp, Alfred P.

Knapp-Monarch Company, assignee: *See*—
Holstein, Alvin W.
Huck, Alfred J.
Huck, Alfred J., and Kueser.
Kochner, William B., and Lamb.
Knapp, Andrew S.
Lamb, Otto.
Lautner, Max E.
Lautner, Max E., and V. Wambeck.
Schmid, Edward C.
Tomasek, Herbert F.
Vogt, John F., and Herbert.
Weber, Milton W.

Knapp, Seth R., Elk City, Okla. Hydraulically actuated fishing tool for reclaiming broken drill parts, etc., from wells. 2,652,119, Sept. 15.

Knapp, Seth R., Elk City, Okla. Hydraulically actuated fishing tool for reclaiming broken drill parts, etc., from wells. 2,659,441, Nov. 17.

Knappwost, Adolf, Neuhausen (Urach), Germany, assignor, by mesne assignments, to Vivadent Corporation, Boston, Mass. Device for producing bactericide Oil-Ions through electrolysis for dental treatment. 2,655,922, Oct. 20.

Knappwost, Adolf, Neuhausen near Urach, Germany, assignor, by mesne assignments, to Vivadent Corporation, Boston, Mass. Underfilling material for tooth-fillings. 2,656,277, Oct. 20.

Knarzer, Herman C., assignor to Dille & McGuire Mfg. Co., Richmond, Ind. Three-piece tubular lawn mower handle and manufacturing same. 2,646,591, July 28.

Knauf, Harry V., Jr., Oaklyn, and C. A. Erdman, Jr., Haddon Heights, N. J., assignors to Radio Corporation of America. Apparatus for stacking transformer laminations within a coil window. 2,658,268, Nov. 10.

Knauf, Wilhelm, assignor to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate, Braunschweig, Germany. Photographic camera construction. 2,629,301, Feb. 24.

Knauf, Wilhelm, assignor to Franke & Heidecke, Fabrik Photographischer Prazisions-Apparate, Braunschweig, Germany. Film feeding and position indicating mechanism for photographic cameras. 2,643,826, June 30.

Knaus, Nicholaus, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanisms for sewing machines. 2,659,330, Nov. 17.

Knaus, Nicholaus, Cranford, and A. G. Millington, Clifton, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Hem-folding attachment. 2,649,066, Aug. 18.

Knaus, Nicholaus, Cranford, and A. G. Millington, Clifton, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Thread breaking means for sewing machines. 2,655,887, Oct. 20.

Knaust, Paul: *See*—
Schick, Frederick A., and Knaust.

Knecht, Oscar, and H. Ischer, assignors to Sandoz Limited, Basel, Switzerland. Dis- and polyazo dyestuffs and making same. 2,656,346, Oct. 20.

Knechtel, Maurice D., Flin Flon, Manitoba, assignor to Hudson Bay Mining and Smelting Co. Limited, Winnipeg, Manitoba, Canada. Decreasing dross formation in the melting of zinc. 2,636,817, Apr. 28.

Knee, Simon, Newark, N. J. Combination wallet and purse. 2,625,189, Jan. 13.

Knee, Simon, Newark, N. J., and G. Markus, Brooklyn, N. Y., assignors to Aristocrat Leather Products, Inc. Combined wallet and purse. 2,646,096, July 21.

Kneer, Paul, Monica, Ill. Conveyer. 2,638,024, May 19.

Kneisley, Joseph W., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Maleic polyester compositions. 2,646,410, July 21.

Knell, Aleck, Los Angeles, Calif. Luggage handle. 2,652,909, Sept. 22.

Knetl, George J.: *See*—
Harker, George A., Knetl, and Nelson.

Knibb, Leroy H., Chicago, Ill. Display case for wristwatch bands. 2,649,956, Aug. 25.

Knickerbocker Plastic Co. Inc., assignee: *See*—
White, Leo L.

Knickerbocker Rubber Company, assignee: *See*—
Holden, Orloff W.

Kniel, Ludwig, Scarsdale, assignor to The Lummus Company, New York, N. Y. Fractional distillation. 2,645,104, July 14.

Kniep, Louis, Jr., Dover, N. J. Grinding and polishing machine. 2,632,981, Mar. 31.

Kniffer, James J., Davenport, Iowa. Fishing signal. 2,627,690, Feb. 10.

Knight, Chester R., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic scanning amplifier circuit. 2,627,588, Feb. 3.

Knight, David C., Newburyport, Mass. Testing device for electric lamps. 2,634,345, Apr. 7.

Knight, Dee A., Lawson, Colo. Reverberatory furnace. 2,654,593, Oct. 6.

Knight, Elton G., and J. W. Miller, Los Angeles, Calif. Pneumatically-controlled soil sampler. 2,664,269, Dec. 29.

Knight, John P., Birmingham, Mich. Device for supplying ink to ribbons. 2,645,202, July 14.

Knight Leather Products, Inc., assignee: *See*—
Miller, George, and Renz.

Knight, Lorne F., assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Eccentric pump. 2,653,549, Sept. 29.

Knight, Lorne F., assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Fluid clutch. 2,660,279, Nov. 24.

Knight, Lorne F., Toronto, Ontario, and A. P. Weston, Ontario, assignors to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Method and apparatus for forming large upsets. 2,647,979, Aug. 4.

Knight, Phillip L., assignor to Surface Combustion Corporation, Toledo, Ohio. Oil atomizer for burners. 2,635,009, Apr. 14.

Knight, Verne C., Michigan City, assignor to Betz Corporation, Hammond, Ind. Refrigerated display case. 2,657,545, Nov. 3.

Knight, Webster B., Detroit, Mich. Polishing machine. 2,636,319, Apr. 28.

Knight, Webster B., Detroit, Mich. Polishing machine. 2,636,320, Apr. 28.

Knights, James, Company, The, assignee: *See*—
Holmbeck, John D.
Overbey, Ernest E., and Holmbeck.

Knights, Richard N., Hucclecote, and C. M. Frye, Longlevens, assignors to Dowty Equipment Limited, Cheltenham, England. Mine roof support. 2,641,906, June 16.

Knill, Robert B.: *See*—
Brown, Gardner L., Johnson, and Knill.

Kniveton, James: *See*—
Hess, Frederic O., and Kniveton.

Knobel, Max, Arlington, assignor to K T Laboratories, Inc., Boston, Mass. Micrometer measuring device. 2,624,121, Jan. 6.

Knobel, Max, Arlington, assignor to K T Laboratories, Inc., Boston, Mass. Inspection gauge. 2,624,122, Jan. 6.

Knobel, Max, Arlington, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing machine. 2,634,080, Apr. 7.

Knobel, Max, Arlington, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing machine. 2,634,081, Apr. 7.

Knobel, Max, Arlington, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing machine. 2,634,082, Apr. 7.

Knobel, Max, Arlington, Mass., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Sac filling machine. 2,638,257, May 12.

Knobel, Max, Arlington, Mass., assignor to W. A. Sheaffer Pen Co., Fort Madison, Iowa. Making ball-type writing tips. 2,646,761, July 28.

Knobel, Max, Boston, and T. P. Howard, Milton, assignors to Pneumatic Scale Corporation, Limited, Quincy, Mass. Check-weighing machine. 2,628,055, Feb. 10.

Knoblaugh, Armand F., assignor to The Baldwin Company, Cincinnati, Ohio. Aligning and freeing bearings. 2,641,828, June 16.

Knoblock, Frederick D., Birmingham, assignor to Patent Developers, Inc., Detroit, Mich. Differential mechanism. 2,638,794, May 19.

Knoderer, Walter A., Akron, Ohio. Cleaning attachment for toothbrushes. 2,624,062, Jan. 6.

Knoebel, Haines L., assignor to Philco Corporation, Philadelphia, Pa. Regulated power supply. 2,624,869, Jan. 6.

Knoepke, Olga H.: *See*—
Leistner, William E., and Knoepke.

Knoizen, Arthur S.: *See*—
Felderman, Lloyd G., and Knoizen.

Knol, Kornelis S., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Traveling wave tube mixing apparatus. 2,657,305, Oct. 27.

Knol, Kornelis S., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Traveling wave amplifier tube. 2,657,328, Oct. 27.

Knoll Associates, Inc., assignee: *See*—
Knoll, Florence S., and Niedringhaus.

Knoll, Florence S., and C. W. Niedringhaus, assignors to Knoll Associates, Inc., New York, N. Y. Sofa bed with shiftable back. 2,645,788, July 21.

Knoll, William V., Dayton, Ohio. Beater mechanism for treating papermaking material. 2,661,665, Dec. 8.

Knoll, William V., Dayton, Ohio. Apparatus for pulping papermaking material. 2,661,666, Dec. 8.

Knoll, William V., Dayton, Ohio. Apparatus for refining papermaking material. 2,661,667, Dec. 8.

Knollman, Harry A., Mount Orab, Ohio, assignor to a partnership composed of F. G. Krueger and F. H. Hudepohl, doing business as Krueger and Hudepohl, Cincinnati, Ohio. Electrical socket connector formed by alternate bands. 2,648,827, Aug. 11.

Knopf, George R., Paterson, N. J. Corpse-concealing stretcher. 2,654,897, Oct. 13.

Knopp, Harold P.: *See*—
Knopp, Otto A. and H. P.

Knopp, Louise B., executrix: *See*—
Knopp, Otto A. and H. P.

Knopp, Otto A., deceased, and H. P. Knopp, Oakland, Calif.; L. B. Knopp, executrix. Pocket type voltage and polarity detector and indicator. 2,632,785, Mar. 24.

"Knotex" Maschinenbau G. m. b. H., assignee: *See*—
Bär, Max.

Knoth, Fred, Jr.: *See*—
Cohen, Charles A., and Knoth.
Smith, Paul V., Jr., and Knoth.

Knott, Charles W., assignor of forty-four per cent to F. T. Harsh, five per cent to J. D. Harsh, and five per cent to F. T. Harsh, Jr., Santa Barbara, Calif. Copyholder. 2,625,908, Jan. 20.

Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Strand feeding mechanism for fastening inserting machines. 2,652,616, Sept. 22.

Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,657,653, Nov. 3.

Knott, Edward B.: *See*—
Aubert, Per, Jeffreys, and Knott.
Aûbert, Per, and Knott.
Jeffreys, Roy A., and Knott.

Knott, Edward B., and L. A. Williams, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Quaternary salt dyes derived from 2-tertiaryamino-5(4)-thiazolones. 2,656,352, Oct. 20.

Knott, Edward B., and P. K. Brooks, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic antiplumming agents and compositions containing them. 2,657,136, Oct. 27.

Knott, Ray C., Omaha, Nebr. Apparatus for supporting and revolving packing cases into position for wiring. 2,632,382, Mar. 24.

Knott, Willis E.: *See*—
Kelley, Herbert D., and Knott.

Knotter, James D., Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Zipper fastened trouser fly. 2,650,366, Sept. 1.

Knowland, Thomas M., Belmont, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Food conveyer belting. 2,633,976, Apr. 7.

Knowles Associates, assignee: *See*—
Chelminski, Roman.
Kuster, Otto R., and Reid.

Knowles, Baryl B., Attleboro Falls, Mass., and M. B. Singer, New York, N. Y., assignors to Bay State Optical Company, Attleboro, Mass. Spectacle hinge structure. 2,634,655, Apr. 14.

Knowles, Edwin C.: *See*—
Hutcheson, John W., and Knowles.

Knowles, Hugh S., River Forest, Ill., assignor to Zenith Radio Corporation. Headband for hearing aid transducers. 2,652,457, Sept. 15.

Knowles, James H., Tulia, Tex. Cotton harvester. 2,660,849, Dec. 1.

Knowles, John H., Larchmont, and W. G. Sutcliffe, Harrison, N. Y., assignors to The Dorr Company, Stamford, Conn. Agitator device for digester tanks. 2,647,733, Aug. 4.

Knowles, M. B.: *See*—
Bell, Alan, and Knowles.

Knowles, Norman W., Guilford, Conn. Toothbrush holder. 2,626,199, Jan. 20.

Knowles, William S.: *See*—
Gamrath, Harry R., and Knowles.

Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,630,565, Mar. 10.

Knowlton, Cutler D., Rockport, assignor to Hoague-Sprague Corporation, Lynn, Mass. Apparatus for feeding webs. 2,638,037, May 12.

Knowlton, Dallas C., Arlington, Va. Grenade all-ways fuze. 2,644,399, July 7.

Knowlton, Fred, Oxford, Kans. Concrete dumping device. 2,656,164, Oct. 20.

Knowlton, Richard L., Fort Worth, assignor to Texas A. & M. Research Foundation, College Station, Brazos County, Tex. Apparatus for removing solids from liquids in settling tanks and the like. 2,660,557, Nov. 24.

Knox, Arthur L.: *See*—
Mills, Donald H., and Knox.

Knox, David M., New York, N. Y. Invertible and adjustable picture holder. 2,657,488, Nov. 3.

Knox, Donald G., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Plunger construction. 2,661,024, Dec. 1.

Knox, Donald G., Long Beach, and J. W. Lawrence, Jr., Los Angeles, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Plunger lift device. 2,642,002, June 16.

Knox, Earl S.: *See*—
Lerza, Francis F., and Knox.

Knox Glass Bottle Company, assignee: *See*—
Steck, Arch L.

Knox, Horace B., Belleville, N. J., assignor to Radio Corporation of America. Ejecting mechanism for glass forming apparatus. 2,662,344, Dec. 15.

Knox, Lawrence H.: *See*—
Doering, William V., and Knox.

Knox, William T., Jr., Cranford, N. J., assignor to Standard Oil Development Company. Wax composition and process for producing wax. 2,660,553, Nov. 24.

Knudsen, Hans L., assignor to Cummins Engine Company, Inc., Columbus, Ind. Fuel feeding apparatus for internal-combustion engines. 2,652,041, Sept. 15.

Knudsen, Knud J., Woodbury, assignor to The Lewis Engineering Company, Naugatuck, Conn. Jet engine fuel control. 2,650,471, Sept. 1.

Knudsen, Raymond G.: *See*—
Walraven, George M., and Knudsen.

Knudsen, Thomas C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Adjustable pitch sheave. 2,648,988, Aug. 18.

Knudsen, Thomas C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Adjustable pitch sheave. 2,658,401, Nov. 10.

Knudson, Elmo M., Houston, Tex. Lift for deep well hydraulic pumps. 2,626,569, Jan. 27.

Knudson, Giltner J., Guilford, assignor to Bendix Aviation Corporation, New York, N. Y. Bearing. 2,650,866, Sept. 1.

Knuth, Emil H., Mentor, assignor to Diamond Alkali Company, Cleveland, Ohio. Coated belt. 2,640,366, June 2.

Knuth, Fred E., Utica, Nebr. Cultivator shield. 2,657,622, Nov. 3.

Knuth, Harvey G., Elgin, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Latch mechanism. 2,647,780, Aug. 4.

Knuth, Harvey G., Elgin, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Sectional top with edge binder. 2,661,990, Dec. 8.

Knuth, Harvey G., Elgin, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Sectional cabinet and filler structure therefor. 2,661,994, Dec. 8.

Knuth, Harvey G., Elgin, assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Filler structure for kitchen cabinets. 2,661,995, Dec. 8.

Knutson, Harold G.: *See*—
Knutson, Harold and H. G.

Knutson, Harold and H. G., Chicago, Ill. Power exhauster. 2,649,040, Aug. 18.

Knutson, Harry: *See*—
Hoyle, Albert C., and Knutson.

Knutson, James B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Switch. 2,641,664, June 9.

Knutson, Woodrow K., La Crosse, Wis. Outboard motor lock. 2,639,605, May 26.

Kobayashi, Harry T., assignor of 50% to S. Kobayashi, Honolulu, Hawaii. Scratch marker for measuring tape. 2,649,787, Aug. 25.

Kobayashi, Sally, assignee: *See*—
Kobayashi, Harry T.

Kobe, Kenneth A., and R. T. McCutchan, Austin, Tex. Mercury diaryls. 2,628,241, Feb. 10.

Kober, William, Spring Lake, N. J., by decree of court to the United States of America as represented by the Secretary of the Army. Alternating current machine. 2,632,123, Mar. 17.

Kobert, Herman W., Doniphan, Mo. Hunting dog signal device. 2,652,649, Sept. 22.

Kobler, Richard, New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Remotely controlled recording system. 2,650,951, Sept. 1.

Kobler, Victor and W., Zurich, Switzerland. Combination envelope opener and paper sheet cutter. 2,639,771, May 26.

Kobler, Werner: *See*—
Kobler, Victor and W.

Kobos, Frank, Houston, Tex. Screw driver sharpener 2,653,421, Sept. 29.

Koch, Carl W., Phillips, Tex., assignor to Phillips Petroleum Company. Rotary drilling mechanism. 2,643,860 June 30.

Koch, Clarence W., St. Louis, Mo. Lock for typewriter desks. 2,656,234, Oct. 20.

Koch, Frederick, Sparta, assignor to C. Todd, as trustee Rutherford, N. J. Slide feed. 2,624,575, Jan. 6.

Koch, Frederick, Sparta, assignor to C. Todd, Rutherford, N. J., as trustee. Stock reel. 2,639,871, May 26.

Koch, Frederick, Sparta, assignor to C. Todd, Rutherford N. J., as trustee. Portable scrap chopper. 2,653,660 Sept. 29.

Koch, Frederick, Sparta, assignor to C. Todd, Rutherford N. J., as trustee. Stock reel. 2,658,694, Nov. 10.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,628,018, Feb. 10.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Free air fan. 2,628,019, Feb. 10.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,628,020, Feb. 10.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air translating apparatus. 2,642,220, June 16.

Koch, Hans, Munich-Pasing, Germany. Device for dividing fruits. 2,647,549, Aug. 4.

Koch, Jacob, Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. Vat dyestuff 2,657,221, Oct. 27.

Koch, John C., assignor to S & S Vending Machine Co. San Jose, Calif. Accumulator. 2,636,587, Apr. 28.

Koch, King A., Evanston, Ill., assignor to Owens-Corning Fiberglas Corporation. Making plastic reinforced rods and bars. 2,625,498, Jan. 13.

Koch, Otto, Selb-Ploesberg (Oberfranken), assignor to Rosenthal-Porzellan A. G., Selb (Oberfranken), Germany. Accommodation and storage of crockery. 2,664,193, Dec. 29.

Koch, Raymond J.: *See*—
Niemann, Frederick A., and Koch.

Koch, Robert B.: *See*—
James, Ralph E., Jr., and Koch.

Koch, Samuel J., Elmont, N. Y. Clamp on type electrical measuring instrument. 2,663,845, Dec. 22.

Koch, Tobias: *See*—
Morck, Charles W., Jr., and Koch.

Koch, Walter G., assignor to International Steel Company, Evansville, Ind. Refrigerator car bracing panel system. 2,629,338, Feb. 24.

Koch, Walter G., assignor to International Steel Company, Evansville, Ind. Laying sheet metallic flooring. 2,655,715, Oct. 20.

Koch, William F., assignor to Toledo Scale Company, Toledo, Ohio. Key-operated type positioning device. 2,656,787, Oct. 27.

Koch, William H., Minneapolis, and E. Strom, North St. Paul, Minn., said Strom assignor to said Koch. Gravity return bump gate. 2,629,191, Feb. 24.

Koch, William J., Midland Park, assignor to Colonial Print Works, Inc., Paterson, N. J. Apparatus for treating webs of fabric. 2,624,190, Jan. 6.

Koch, William P., Chicago, Ill., assignor to Chicago Die Casting Manufacturing Company. Pulley package. 2,651,410, Sept. 8.

Koch, Winfield R., Marlton, N. J., assignor to Radio Corporation of America. Power supply for transformerless receivers. 2,658,140, Nov. 3.

Kochale, Ernest P., Jr., Oak Park, and W. A. Weibel, assignors to Curtis Lighting, Inc., Chicago, Ill. Collapsible lighting structure for elongated tubular lamps. 2,632,096, Mar. 17.

Kochalski, Horst, assignor to Kurt Korber & Co., K. G., Hamburg-Bergedorf, Germany. Device for loosening and distributing tobacco. 2,629,385, Feb. 24.

Kochalski, Horst, assignor to Kurt Korber & Co., K. G., Hamburg-Bergedorf, Germany. Device for forming tobacco rods or strings. 2,629,386, Feb. 24.

Kochaver, Theodore J., Virginia, Minn., assignor to United States Steel Corporation. Apparatus for operating railway dump cars. 2,645,964, July 21.

Kochenburger, Ralph, West Newton, Mass., and C. W. Chillson, Caldwell, and G. P. Knapp, Verona, N. J., assignors to Curtiss-Wright Corporation. Turbine propeller control. 2,631,677, Mar. 17.

Kocher, Earl T.: *See*—
Kirkpatrick, Willard H., and Kocher.

Kocher, Erich J.: *See*—
Sloan, Harry, and Kocher.

Kocher, Hans, assignor to Cortébert Watch Co., Cortébert, Switzerland. Index regulator set. 2,637,970, May 12.

Kocher, Hans, Cortebert, Bern, assignor to Cortebert Watch Co., Cortebert, Switzerland. Index regulator set. 2,663,990, Dec. 29.

Kochie, Joseph E., Carteret, N. J., assignor to Foster-Wheeler Corporation, New York, N. Y. Apparatus for the control of distillation reflux. 2,647,863, Aug. 4.

Kochis, John, Melvindale, Mich. Indenting press for the hollow arbor of a cannon pinion. 2,639,635, May 26.

Kochner, William B., and O. Lamb, assignors to Knapp-Monarch Company, St. Louis, Mo. Pressure sprayer. 2,631,891, Mar. 17.

Kocl, Jerry C., Barrington, assignor to Chicago Coin Machine Co., Chicago, Ill. Miniature bowling alley. 2,643,884, June 30.

Kocl, Jerry C., Barrington, assignor to Chicago Coin Machine Co., Chicago, Ill. Amusement and target practicing device. 2,661,954, Dec. 8.

Kocian, John J., and W. H. Smith, Milwaukee, Wis. Wheel chair exercising adapter. 2,629,371, Feb. 24.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nonreflective radio refractor. 2,627,027, Jan. 27.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor frequency modulation. 2,632,146, Mar. 17.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Achromatic lens antenna. 2,640,154, May 26.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Unipolarized wave refractor. 2,652,493, Sept. 15.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna. 2,663,797, Dec. 22.

Kock, Winston E., Basking Ridge, and L. G. Schimpf, New Providence, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermoelectric translation device. 2,648,823, Aug. 11.

Kocks Snickerifabriker Aktiebolag, assignee: *See*—
Ohlsson, Folke.

Kodama, George T., Dunstable, assignor to Sprague Electric Company, North Adams, Mass. Tone compensated volume control. 2,637,778, May 5.

Kodis, Robert D., Roxbury, Mass. Method and apparatus for magnetic testing. 2,648,435, Aug. 11.

Koehl, Herman J., Danielson, assignor to C. E. M. Company, Killingly, Conn. Covered button with insert. 2,662,259, Dec. 15.

Koehl, Herman, Danielson, and H. A. Prym, Woodstock, assignors to C. E. M. Company, Killingly, Conn. Covered buckle and parts thereof. 2,643,430, June 30.

Koehler, Carl J., Tonawanda, N. Y. Method and apparatus for producing mineral wool. 2,632,919, Mar. 31.

Koehler, Carl J., Tonawanda, N. Y. Method and apparatus for producing mineral wool. 2,632,920, Mar. 31.

Koehler, Fred, assignor to Hamilton Watch Company, Lancaster, Pa. Electric watch. 2,662,366, Dec. 15.

Koehler, Fred L., assignee: *See*—
Köhler, Ludwig.

Koehler, James F., Chevy Chase, Md., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cathode-ray tube sweep circuit. 2,637,026, Apr. 28.

Koehler Manufacturing Company, assignee: *See*—
Ripley, William J.

Koehler, Robert B., Hopewell Junction, assignor to International Business Machines Corporation, New York, N. Y. Dual-polarity gas tube counter. 2,651,741, Sept. 8.

Koehler, Wilhelm F., Darmstadt, Germany. Rotary knife having thin removable cutting edge. 2,636,562, Apr. 28.

Koehlinger, William T., Kalamazoo, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Connector clip. 2,638,139, May 12.

Koehring Company, assignee: *See*—
Anderson, Walter R.
Brugger, Ervin A.
Jones, Daniel C.
Lichtenberg, Erich H.
Poulter, John W.

Koelliker, George P., assignee: *See*—
Lasseter, Hubert P.

Koenig, Carl F., III: *See*—
Hodges, Charles W., and Koenig.

Koenig, Christian A., Brooklyn, N. Y., and A. E. Welgele, Newark, N. J., assignors to National Pneumatic Company, New York, N. Y. Door opening apparatus. 2,638,340, May 12.

Koenig, Edward H., New Haven, and J. Chesnavich, assignors to The New Haven Copper Company, Seymour, Conn. Welding ends of copper coils. 2,649,528, Aug. 18.

Koenig, Edward L., Westport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread pull-off device for sewing machines. 2,626,580, Jan. 27.

Koenig, John C., Van Nuys, Calif. Farm implement hitch. 2,658,770, Nov. 10.

Koenig, Karl, Leverkusen-Bayerwerk, and H. Andersag, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Salts of 7-iodo-8-hydroxy-quinoline-5-sulfonic and 7-haloquinolines carrying a dialkylaminoalkylamino substituent in the 4-position. 2,650,224, Aug. 25.

Koenig, Martin F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,626,334, Jan. 20.

Koenig, Martin F., Milwaukee, and R. A. Millermaster, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,641,671, June 9.

Koenig, Robert J.: *See*—
Cesaro, Richard S., and Koenig.

Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,629,779, Feb. 24.

Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission. 2,632,057, Mar. 17.

Koenig, Walter, Jr., Clifton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical transmission system including bilateral transistor amplifier. 2,662,123, Dec. 8.

Koenig, William E.: *See*—
Doering, William A., and Koenig.

Koepke, William F., San Francisco, Calif. Electric outlet circuit indicator. 2,625,759, Jan. 20.

Koepnick, Edward W., Dayton, Ohio. Toy torpedo launcher. 2,627,853, Feb. 10.

Koepsell, Harold J., H. M. Tsuchiya, and N. N. Hellman, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Production of dextran of relatively low molecular weight. 2,660,551, Nov. 24.

Koerber, Ernest, Chicago, Ill. Pan greaser. 2,633,820, Apr. 7.

Koerber, Ernest, Chicago, Ill. Pan greasing apparatus. 2,633,821, Apr. 7.

Koerber, Ernest F., Chicago, Ill. Lateral bend conveyer. 2,633,975, Apr. 7.

Koerber, Ernest F., Chicago, Ill. Supporting frame structure for conveyers. 2,659,476, Nov. 17.

Koerner, Ernest: *See*—
Chandler, William R., and Koerner.

Koerner, Lawrence F., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal temperature control means. 2,660,680, Nov. 24.

Koertge, Nobel H.: *See*—
Furnas, William C., and Koertge.

Koester, Ernest H., Gaylord, Minn. Tire spreader. 2,647,722, Aug. 4.

Koffler, Samuel, Brooklyn, N. Y. Air duct. 2,627,430, Feb. 3.

Koffski, John H., Chisholm, Minn. Canceling and dating device. 2,641,182, June 9.

Kofler, William, New York, N. Y. Sausage making machine. 2,637,068, May 5.

Kofoet, August: *See*—
Merley, Sylvan R., and Kofoet.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,635,436, Apr. 21.

Kogel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration. 2,655,010, Oct. 13.

Kogl, Frank, St. Paul, assignor of two and one-half per cent to W. H. Carlson, two and one-half per cent to O. E. Carlson, West St. Paul, four per cent to M. M. Clark, four per cent to G. Clark, South St. Paul, and ten per cent to R. M. Flynn, Red Wing, Minn. Hinged mold for concrete step structures. 2,633,620, Apr. 7.

Kögl, Fritz, Utrecht, and C. A. Salemink, Amersfoort, Netherlands, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Pyronone derivatives and manufacture thereof. 2,643,944, Sept. 29.

Kögl, Fritz, Utrecht, and C. A. Salemink, Amersfoort, Netherlands, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Pyran derivatives and manufacture thereof. 2,653,943, Sept. 29.

Kögl, Fritz, Utrecht, and C. A. Salemink, Amersfoort, Netherlands, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Pyran derivatives. 2,653,945, Sept. 29.

Kohfeldt, Walter C.: *See*—
Kestner, William N., Kohfeldt, and Barillier.

Koh-I-Noor, Spojene Kovoprumyslove Zavody, narodni podnik, assignee: *See*—
Polák, Bohumil.

Kohl, Arthur L., and C. L. Blohm, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Manufacture of sulfur from H_2S-hydrocarbon containing gases. 2,664,345, Dec. 29.

Kohl, Charles F., Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Fluorohydrocarbon substituted silanols. 2,640,063, May 26.

Kohl, Charles F., Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Organo silicon compounds and their preparation. 2,640,066, May 26.

Kohl, Jerome, Berkeley, E. G. Reid, Palo Alto, and L. R. Zumwalt, Lafayette, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Snap sampler. 2,645,940, July 21.

Kohl, Peter, assignor to A. Monforts, Munchen-Gladbach, Germany. Drive for brushing cylinders or rough rolls in teaseling machines. 2,637,092, May 5.

Kohl, Walter H.: *See*—
Fisher, Floyd A., and Kohl.

Kohl, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Radiation detector. 2,648,779, Aug. 11.

Kohl, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Resnatron filament basket. 2,662,990, Dec. 15.

Köhler, Anders, Walhalla, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Means for making a regulator alternatively responsive to voltage and current. 2,634,394, Apr. 7.

Köhler, Franz, Aisbach (Bergstrasse), assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt am Main, Germany. Water-soluble urea-aldehyde condensation products and making same. 2,650,910, Sept. 1.

Kohler, George O.: *See*—
Graham, William R., Jr., Kohler, and Hoover.

Kohler, Hans W., Washington, D. C. Cathode-ray tube. 2,627,587, Feb. 3.

Köhler, Jacob W. L.: *See*—
Jonkers, Cornelius O., and Köhler.
Jonkers, Cornelius O., Köhler, Rinia, and Liebe.

Köhler, Jacob W. L., and A. A. Liebe, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cylindrical valve body comprising one or more apertures provided in the wall thereof. 2,657,899, Nov. 3.

Kohler, John J.: *See*—
Swift, Donald D., and Kohler.

Köhler, Ludwig, Steeg, near Bacharach-on-the-Rhine, Germany, assignor to F. L. Koehler, New York, N. Y. Dental pliers. 2,632,248, Mar. 24.

Kohler, Marvin C., and W. H. Todd, Merced, Calif. Fishing lure. 2,651,876, Sept. 15.

Kohler, Thomas R.: *See*—
Jamison, Noel C., and Kohler.

Kohlmann, Hans, Esslingen (Neckar), and G. Zellbeck, Oberesslingen (Neckar), assignors to J. Eberspacher, Esslingen (Neckar), Germany. Turbocompressor. 2,646,210, July 21.

Kohls, Erich E.: *See*—
Auler, Harold F., and Kohls.

Kohlstedt, Edwin, Alta, Iowa. Apparatus for defrosting low-temperature cooling coils. 2,649,695, Aug. 25.

Kohn, Harold B., Bronx, assignor to The Lummus Company, New York, N. Y. Supporting beams for bubble trays and the like. 2,664,280, Dec. 29.

Kohn, Maximilian, Heidenreichstein, assignor to Bruder Eisert Aktiengesellschaft, Vienna, Austria. Friction wheel lighter. 2,658,369, Nov. 10.

Kohout, Frank J., assignor to Drum Parts, Inc., Cleveland, Ohio. Split ring clamp for metal drums. 2,633,616, Apr. 7.

Kohring, Wilbur M., Lakewood, Ohio, assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Electrical resistance. 2,635,162, Apr. 14.

Kohring, Wilbur M., Lakewood, Ohio, assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Resistance construction. 2,640,903, June 2.

Kojan, John J., Bedford, assignor to Drum Parts, Inc., Cleveland, Ohio. Closing tool for metal containers. 2,634,094, Apr. 7.

Kokatnur, Helen G., executrix: *See*—
Kokatnur, Vaman R.

Kokatnur, Vaman R., deceased, New York, N. Y., by H. G. Kokatnur, executrix. Separation of salts of organic acids. 2,662,880, Dec. 15.

Koke, Anna C., St. Louis, Mo. Hair ringlet holder. 2,643,658, June 30.

Kolanda, Joseph A., Milwaukee, and W. P. Neuok, West Allis, Wis. Axle generator system. 2,624,870, Jan. 6.

Kolath, William H., Jr.: *See*—
Kiehl, Paul G., and Kolath.

Kolb, Joseph E., Scott Township, Allegheny County, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Radiant heater. 2,627,014, Jan. 27.

Kolb, Paul: *See*—
Bowden, Andrew T., Hryniszak, and Kolb.
Bowden, Andrew T., Muller, Kolb, Hryniszak, and Zadnick.

Kolb, Robert H., Houston, Tex., assignor to Shell Development Company, Emeryville, Calif. Collapsible packer for well instruments. 2,642,141, June 16.

Kolb, Robert W.: *See*—
Johnson, Roland, and Kolb.

Kolbas, John M.: *See*—
Staab, Frank W., and Kolbas.

Kolbe, Joachim, Milwaukee, Wis. Vehicle with intercushioned banking and vertical oscillation suspension for the superstructure. 2,657,067, Oct. 27.

Kolbe, Joachim, Milwaukee, Wis. Inward banking vehicle with combined banking arm and pendulum axle construction. 2,660,254, Nov. 24.

Kolbe, John A., North Manchester, assignor to Arnolt Corporation, Warsaw, Ind. Attachment of decorative balls between parallel tube elements of furniture. 2,661,968, Dec. 8.

Kolbet, Paul, Cresco, Iowa. Dairy container sediment trap. 2,661,844, Dec. 8.

Kolbus, Karl, Milwaukee, Wis., assignor to The Seneca Manufacturing Company, Cleveland, Ohio. Door check. Re. 23,652, May 5.

Koleda, John T.: *See*—
Chesus, Frank O., and Koleda.

Kolene Corporation, assignee: *See*—
Dunlevy, Ralph, Frick, and Shoemaker.
Faler, John A.

Kolisch, Emil, assignor, by mesne assignments, of one-half to Continental Silver Co. Inc., New York, N. Y. Classifying equipment for determining the dimensions of objects. 2,630,043, Mar. 3.

Kolker, Harry, St. Louis, Mo. Buck steam valve operating attachment for garment pressing machines. 2,629,947, Mar. 3.

Kolker, Milton, assignee: *See*—
Torbert, Everyl M.

Kolkey, Leonard B., West Los Angeles, and M. Appleman, Ocean Park, Calif. Metal sash surround. 2,635,720, Apr. 21.

Kolkman, Dirk: *See*—
Elenbaas, Willem, Kolkman, and Hurx.

Koll, Andrew J.: *See*—
Windsor, Walter E., and Koll.

Koll, Andrew J., assignor to Bendix Aviation Corporation, Baltimore, Md. Window for panels. 2,645,827, July 21.

Kolland, Emil, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Reciprocating carriage drive. 2,660,066, Nov. 24.

Koller, Emil: *See*—
Neidhart, Martin, and Koller.

Koller, Lewis R., Schenectady, N. Y., assignor to General Electric Company. Forming a powder coating on a surface. 2,633,426, Mar. 31.

Koller, Lewis R., Schenectady, N. Y., assignor to General Electric Company. Phosphor coating process. 2,659,679, Nov. 17.

Koller, Robert, Elmhurst, Ill. Cardio-pneumo-electrodermograph. 2,657,683, Nov. 3.

Kollgaard, Reyner, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for elevating granular material. 2,625,442, Jan. 13.

Kollgaard, Reyner, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Disengagement of gases from a moving bed of fluent solid particles. 2,628,893, Feb. 17.

Kollgaard, Reyner, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Solids lift disengager. 2,646,316, July 21.

Kollgaard, Reyner, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Elutriator for hydrocarbon conversion systems. 2,656,920, Oct. 27.

Kolling, Helmut: *See*—
Geiser, Nikolaus, and Kolling.

Kollman, Jack, assignor to Ekco Products Company, Chicago, Ill. Cover for bake pans. 2,654,502, Oct. 6.

Kollmorgen Optical Corporation, assignee: *See*—
Rawlings, John L.

Kollmeyer, Herman R., Arlington, Va. Watch oiler. 2,643,801, June 30.

Kollock, George J., Atlanta, Ga. Photographic slide ejector-receptacle. 2,626,197, Jan. 20.

Kollsman Instrument Corporation, assignee: *See*—
Andresen, John H., Jr.
Hauptman, Frederic F.
Knapp, Emil.

Kollsman, Paul, New York, N. Y. Construction of exhaust passages of internal-combustion engines. 2,624,171, Jan. 6.

Kollsman, Paul, New York, N. Y. Device for sterilizing hollow thermoplastic articles by heat. 2,629,148, Feb. 24.

Kollsman, Paul, New York, N. Y. Apparatus for dispensing carbonated beverages. 2,643,791, June 30.

Kollsman, Paul, New York, N. Y. Apparatus for dispensing carbonated beverages. 2,643,866, June 30.

Kolodny, Samuel, Rutherford, N. Micci, Carlstadt, and N. Krueger, assignors to East Rutherford Syringes, Inc., East Rutherford, N. J. Manufacturing glass syringes with interchangeable pistons and barrels. 2,641,093, June 9.

Kolonick, Richard A.: *See*—
Anderson, David E., Kolonick, and Raymor.

Kolpe, Olof R., Kil, and O. B. Andersson, Forshaga, Sweden. Log debarking machine having whirling and rotating bark-removing tools. 2,646,092, July 21.

Kolstee, Anton F.: *See*—
Kolstee, Hans M., A. F. Kolstee, and Tuscher.

Kolstee, Hans M., West Springfield, Mass., A. F. Kolstee, The Hague, Netherlands, and J. E. Tuscher, Ivry-sur-Seine, France. Fuel injector apparatus for diesel engines. 2,635,922, Apr. 21.

Kolthoff, Izaak M. and W. J. Dale, Minneapolis, Minn., assignors to Phillips Petroleum Company. Diazothioethers in emulsion polymerization. 2,625,537, Jan. 13.

Kolthoff, Izaak M., Minneapolis, Minn., and A. I. Medalia, Brookhaven, N. Y., assignors to Phillips Petroleum Company. Emulsion polymerization in the presence of an improved reducing composition. 2,647,109, July 28.

Kolzing, Henry H.: *See*—
Rogers, Clifford R., Kolzing, and Heinlein.

Komarik, Stephan L., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Production of meat products. 2,634,211, Apr. 7.

Komarik, Stephan L., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Manufacture of conditioning compound for ground meat products. 2,634,212, Apr. 7.

Komeo, Oscar, Linden, Mich. Sanitary milk carton. 2,643,815, June 30.

Kominek, Edward G.: *See*—
Kahn, James M., and Kominek.

Komline, Thomas R., Ridgewood, N. J. Filter medium for rotary drum filters. 2,652,927, Sept. 22.

Komline, Thomas R., Ridgewood, N. J. Rotary drum filter. 2,652,928, Sept. 22.

Kompaniez, Alexandria, assignee: *See*—
Kanell, Theodore.

Kompart, Walter W., Steubenville, Ohio, assignor to National Steel Corporation. Scrap melting. 2,624,565, Jan. 6.

Kompfner, Rudolf, Springfield, N. J., assignor, by mesne assignments, to English Electric Valve Company Limited, London, England. High-frequency energy interchange device. 2,653,270, Sept. 22.

Komuchar, Victor J., Brookfield, Ill., assignor to International Harvester Company. Dump body tilting mechanism. 2,635,005, Apr. 14.

Komuchar, Victor J., Brookfield, and J. E. Gammie, Chicago, Ill., assignors to International Harvester Company. Wagon unloader. 2,644,594, July 7.

Konchan, Anton W., Berwyn, Ill. Gas tank cap valve. 2,649,776, Aug. 25.

Konchan, Anton W., Berwyn, Ill. Radiator pressure cap. 2,649,986, Aug. 25.

Konchan, Anton W., Berwyn, Ill. Radiator pressure cap. 2,649,987, Aug. 25.

Konchan, Anton W., Berwyn, Ill. Radiator pressure cap. 2,655,284, Oct. 13.

Konet, Henry, Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyroscope having erecting means to compensate for acceleration errors. 2,643,547, June 30.

Konet, Henry, Hohokus, N. J., and P. E. Seifried, New City, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Indicating device. 2,664,558, Dec. 29.

Kong, Pyung W., Seoul, Korea. Korean typewriter. 2,625,251, Jan. 13.

Kongable, Lowell S.: *See*—
Fyler, George W., and Kongable.

Kongelbeck, Sverre, assignor to Infilco Incorporated, Chicago, Ill. Rate of flow regulator. 2,630,133, Mar. 3.

Konick, Arthur E., Collingswood, N. J., assignor to Radio Corporation of America. Electrical control circuits. 2,625,676, Jan. 13.

König, Walther, Vienna, assignor to Mitterberger Glashuetten Gesellschaft m. b. H., Salzburg, Austria. Furnace and process for electrically melting glass. 2,659,764, Nov. 17.

Konigslow, Otto, Mfg. Co., The, assignee: *See*—
Green, Robert H.

Koniuszy, Frank R., Rahway, N. G. Brink and K. Kolkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Benzyl alcohol extraction of antipernicious anemia concentrate. 2,654,690, Oct. 6.

Konopa, Joseph J., Marshfield, Wis. Jointer attachment for portable electric drills. 2,649,874, Aug. 25.

Konrad, Hermann, Moutier, Switzerland. Mechanical razor. 2,632,948, Mar. 31.

Konrad, William A.: *See*—
Archibald, Francis M., Konrad, and Haney.

Könsberg, Allan, Malmo, Sweden. Wheel rim brake for cycles and the like vehicles. 2,631,693, Mar. 17.

Konstandt, Francisco G., Buenos Aires, Argentina. Hollow panel door structure. 2,633,439, Mar. 31.

Koob, Nicholas M., Chicago, Ill. Dispenser for collapsible tubes. 2,660,339, Nov. 24.

Koolstra, John A., assignor to Davis & Furber Machine Company, North Andover, Mass. Spindle brake. 2,657,523, Nov. 3.

Koolstra, Lambert F.: *See*—
Brister, Paul M., and Koolstra.

Kool-Breeze Awning Co., assignee: *See*—
Gunter, Robert G.

Koolvent Metal Awning Corporation of America, assignee: *See*—
Korman, Samuel B., and Harrison.

Koome, Jacob, and C. N. J. de Nooijer, Amsterdam, Netherlands, assignors to Shell Development Company, Emeryville, Calif. Conversion of carbohydrates to polyhydric alcohols. 2,650,941, Sept. 1.

Koons, Harry M., Los Angeles, Calif. Faucet valve assembly. 2,636,711, Apr. 28.

Koons, Paul M.: *See*—
Buckey, Kenneth M., Koons, and Spurlino.

Koonz, Carl H.: *See*—
Biddinger, Guy R., and Koonz.

Koonz, John C.: *See*—
Clark, Ralph W., and Koonz.

Kopald, Herman G., executor: *See*—
Salfisberg, Leroy L.
Salfisberg, Leroy L., and David.

Kopec, Stanley J., Northville, Mich. Broach assembly. 2,629,294, Feb. 24.

Kopec, Stanley J., Detroit, Mich., assignor to The Stanley Works, New Britain, Conn. Twisting machine for flat and formed bar stock. 2,632,494, Mar. 24.

Kopecky, Eugene F., San Diego, Calif. Key receiver and time checking apparatus. 2,647,031, July 28.

Kopf, Harold, assignor to H. Davis, New York, N. Y. Hand loom. 2,632,938, Mar. 31.

Kopf, Johann: *See*—
Schnürle, Adolf, Kopf, Elwert, and Hörz.

Kopf, Johann, A. Schnürle, deceased, and O. Elwert, Stuttgart, Germany, said Kopf and said Elwert assignors to said Schnürle; G. Schnürle, sole heir of said A. Schnürle. Internal-combustion engine with scavenging air blower. 2,660,156, Nov. 24.

Kopf, Philip, Brooklyn, N. Y. Bubble blowing gun. 2,659,177, Nov. 17.

Kopf, Warren J., and L. C. Westcott, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Rust inhibiting composition. 2,634,237, Apr. 7.

Kopinski, Frank, assignor to John E. Fast & Co., Chicago, Ill. Electrostatic capacitor. 2,653,281, Sept. 22.

Kopke, Ernst W., New York, N. Y. Sugar crystallizer. 2,633,435, Mar. 31.

Kopp, Alfred J., Hammond, Ind., and J. R. Boyle, Chicago, Ill., assignors to Betz Corporation, Hammond, Ind. Refrigerated display case. 2,632,310, Mar. 24.

Kopp, George, Rugby, England. Film type liquid fuel burner. 2,661,055, Dec. 1.

Kopp, Lester G., South Bend, Ind., assignor to Harry Ferguson, Inc., Detroit, Mich. Making rake teeth. 2,648,362, Aug. 11.

Kopp, Philip E., Dover, Ohio. Combination window and blind. 2,651,085, Sept. 8.

Kopp, Philip E., Youngstown, Ohio. Cutting machine for extruded clay products. 2,641,042, June 9.

Kopp, Sigmund, Fredonia, assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,644,675, July 7.

Koppel, Ernst R., assignor to Borg-Warner Corporation, Chicago, Ill. Liner for steel barrels. 2,625,297, Jan. 13.

Koppel, Ernst R., and W. J. Walters, assignors to Borg-Warner Corporation, Chicago, Ill. Conveyer and shifter guide mechanism. 2,627,334, Feb. 3.

Koppelmann, Floris, Berlin-Siemensstadt, and H. Böhm, Berlin-Charlottenburg, assignors to Licentia Patent-Verwaltungs- G. m. b. H., Hamburg, Germany. Mechanical rectifier. 2,651,750, Sept. 8.

Koppenwallner, Georg: *See*—
Crämer, Helmut G., and Koppenwallner.

Koppers Company, Inc., assignee: *See*—
Bigley, Miles G.
D'Alelio, Gaetano F.
Fair, William F., Jr.
Harlow, Earl V.
Hill, William H.
Iverson, Robert L.
Johannesen, George T.
Nimmo, Robert H.
Pfaff, George C.
Pfann, Harry F.
Robbins, Thomas E., Jr., and Hill.
Roper, John H.
Shaw, Joseph A.
Tatterson, Benjamin F.
Totzek, Friedrich.

Kopperschmidt, Wilhelm, Hamburg, Germany. Spray device for liquids, thermoplastics, molten metal or the like. 2,644,717, July 7.

Kopperschmidt, Wilhelm, Hamburg, Germany. Hot-spraying method and apparatus. 2,658,796, Nov. 10.

Koppius, Otto G., White Plains, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Infrared analyzer. 2,650,307, Aug. 25.

Kopřiva, Miroslav: *See*—
Václavik, Jaroslav, and Kopřiva.

Kopti-Kat Company, assignee: *See*—
Hannum, Charles M.

Korb, Anton W.: *See*—
Anderson, Lloyd L., Waring, and Korb.

Korb, Anton W., Grandville, Mich., assignor to Jervis Corporation. Magnetic door seal. 2,659,116, Nov. 17.

Korb, Henry C., Cincinnati, Ohio. Down spout strainer. 2,640,593, June 2.

Korchmar, Don, Cincinnati, Ohio. Traveling bag. 2,627,952, Feb. 10.

Kordesch, Karl: *See*—
Marko, Adolf, and Kordesch.

Kordish, Paul J., Mansfield, Ohio. Device for holding eyebrow or gray hair pencils. 2,660,181, Nov. 24.

Korecki, Walter, Brooklyn, N. Y. Safety electric fuse connector. 2,637,793, May 5.

Koren, George J., assignor to Pettibone Mulliken Corporation, Chicago, Ill. Sand handling apparatus. 2,650,396, Sept. 1.

Korenman, Irving, Forest Hills, N. Y. Tobacco package. 2,624,454, Jan. 6.

Koriath, Edwin G., assignee: *See*—
Cooksey, Otha.

Korin, Andrew D., Long Island City, and J. Robell, West Hempstead, assignors to Hydrocarbon Research, Inc., New York, N. Y. Multiple bed catalyst apparatus. 2,632,692, Mar. 24.

Kork-N-Seal Limited, assignee: *See*—
Steuart, James N.

Korkosz, Frank D., assignor to American Planetarium Corporation, Chicopee, Mass. Projection apparatus for projecting spots of light simulating stars upon a surface. 2,661,654, Dec. 8.

Korman, Jerome: *See*—
Hogg, John A., Korman, Reid, and Nathan.

Korman, Jerome, W. B. Reid, Jr., A. H. Nathan, and J. A. Hogg, assignors to The Upjohn Company, Kalamazoo, Mich. 4-substituted-vinylcyclohexenes and the production thereof. 2,644,012, June 30.

Korman, Nathaniel I: *See*—
Arsem, Alvan D., Ford, and Korman.

Korman, Samuel B., and M. Harrison, assignors, by mesne assignments, to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa. Canopy construction. Re. 23,734, Nov. 10.

Kornberg, Howard G., Fargo, N. Dak. Device for mixing and feeding fertilizer. 2,656,072, Oct. 20.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Co., Cleveland, Ohio. Magnetic recording and reproducing. 2,631,855, Mar. 17.

Kornei, Otto, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Multilayer magnetic record member. 2,643,130, June 23.

Korney, Roman F., Chicago, Ill., assignor to Simmons Company, New York, N. Y. Mattress construction. 2,629,111, Feb. 24.

Kornfeld, Edmund C., assignor to Eli Lilly and Company, Indianapolis, Ind. Hydrogenated benz[CD]indoles. 2,663,714, Dec. 22.

Korns, Donald W., Johnstown, Pa. Dishwashing machine. 2,646,056, July 21.

Koros, Leslie L., Camden, N. J., assignor to Radio Corporation of America. Transistor amplitude modulator. 2,629,858, Feb. 24.

Koros, Leslie L., Camden, N. J., assignor to Radio Corporation of America. Semiconductor amplitude modulation system. 2,644,925, July 7.

Kors, Frank F., assignor of one-half to H. D. Kors, Independence, Kans. Collapsible auto trailer. 2,640,721, June 2.

Kors, Harry D., assignee: *See*—
Kors, Frank F.

Korsberg, John F., F. T. Gustafson, and G. Snyder, assignors to Boeing Airplane Company, Seattle, Wash. Structural joint. 2,639,788. May 26.

Korski, Frank S., Brentwood, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Cast rotor. 2,657,324, Oct. 27.

Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Company, Hopkins, Minn. Row crop implement-tractor combination. 2,641,887, June 16.

Korter, Louis J., Portland, Oreg. Aluminum shingle. 2,631,552, Mar. 17.

Korth, Hazel M., Cleveland, Ohio. Utility bracelet. 2,626,736, Jan. 27.

Korthe Engineering Company, assignee: *See*—
Cooksey, Otha.

Korzdorfer, John J., Rumson, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dynamoelectric machine. 2,640,181, May 26.

Kosash, John, assignor to Lorain Industries, Inc., Lorain, Ohio. Folding rack. 2,647,642, Aug. 4.

Kosatka, Thomas O., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. One-piece sealing device. 2,647,777, Aug. 4.

Kosatka, Thomas O., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Sealing device. 2,651,534, Sept. 8.

Kosbahn, Thomas: *See*—
Sachsse, Hans, Kosbahn, and Lehrer.

Kosinski, Frank E., Detroit, Mich. Culinary utensil holder. 2,664,005, Dec. 29.

Koski, Hans A., Wolf Creek, Mont. Animal trap. 2,627,137, Feb. 3.

Koskinen, Olavi M., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Rotor wheel. 2,632,396, Mar. 24.

Koskinen, Olavi M., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Rotor wheel. 2,660,957, Dec. 1.

Koskinen, Olavi M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Making fluid coupling rotor elements. 2,660,970, Dec. 1.

Kosmin, Milton: *See*—
Schlesinger, Arthur H., and Kosmin.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Defoliant composition. 2,637,646, May 5.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Herbicidal compositions. 2,637,647, May 5.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Branched higher alkanol sulfates. 2,637,740. May 5.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkali metal and ammonium sulfates of hydroxy ethers. 2,644,831, July 7.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkanol amine sulfates. 2,644,832, July 7.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkanolamine sulfates of hydroxy ethers. 2,644,833, July 7.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Hydroxy ether sulfates having high surface-activity. 2,647,913, Aug. 4.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing amine sulfonates and products obtained thereof. 2,658,072, Nov. 3.

Kosmin, Milton, and A. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal composition. 2,624,666, Jan. 6.

Kosmin, Milton, and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,653,865, Sept. 29.

Kosmoski, Bernard J., and G. A. Meyer, Jersey City, N. J. Liquid depth and tank diameter measuring device. 2,648,133, Aug. 11.

Kosolapoff, Gennady M., Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Insecticidal unsymmetrical diethyl dioctyl pyrophosphates. 2,634,226, Apr. 7.

Kosolapoff, Gennady M., Auburn, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Insecticidal unsymmetrical diethyl diphenyl pyrophosphate. 2,634,227, Apr. 7.

Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Halogen-containing phosphorus acids and esters. 2,632,018, Mar. 17.

Kost, Alwin, and G. Quilici, assignors to Kost Multiple X, Inc., Portland, Oreg. Wheel mounting to permit banking of vehicle during steering. 2,631,867, Mar. 17.

Kost, Harold W., assignor to Prestole Corporation, Toledo, Ohio. Coil form fastener. 2,658,248, Nov. 10.

Kost Multiple X, Inc., assignee: *See*—
Kost, Alwin, and Quilici.

Kostelancik, Paul: *See*—
Stastny, William, and Kostelancik.

Kostka, Franz, Vienna, Austria. Device for selectively dispensing ordinary and carbonated water. 2,663,556, Dec. 22.

Kostro, Wladyslaw, deceased, Kensington, London, assignor of one-half to S. Jozwiak, London, England; R. Dabrowski, executor. Sewing machine. 2,655,885, Oct. 20.

Kotes, Emanuel, Rockville Centre, N. Y. Pocket structure for nurses' uniforms and other garments. 2,642,576, June 23.

Koth, Ervin A., assignor to The Vilter Manufacturing Co., Milwaukee, Wis. Fluent material concentrator. 2,661,095, Dec. 1.

Kothe, Herbert J., Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Egg white composition. 2,637,654, May 5.

Kotkins, Henry L., Seattle, Wash. Luggage hanger construction. 2,631,080, Mar. 10.

Kotler, William, Miami, Fla. Folding chair. 2,652,882, Sept. 22.

Kotrbaty, Guy F.: *See*—
McLaughlin, Robert W., and Kotrbaty.

Kott, Herbert, Flushing, assignor to Automatic Nailing Machinery Co., Inc., New York, N. Y. Means for strapping boxes. 2,644,944, July 14.

Kott, Hermann, Verona, N. J., assignor to Publication Corporation, New York, N. Y. Preparation of printing plates and cylinders with chloro-bromide resist-forming film. 2,628,903, Feb. 17.

Kottke, Milton J., Fond du Lac, Wis. Changeable key tag holder. 2,624,139, Jan. 6.

Kottmann, Arthur A., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Endless flight conveyer. 2,631,716, Mar. 17.

Kottmann, Arthur A., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Article handling and transfer apparatus. 2,632,551, Mar. 24.

Koulomzine, Theodore, Val d'Or, Quebec, Canada. Magnetometer. 2,627,542, Feb. 3.

Kounovsky, Edward F., St. Louis, assignor to Alco Valve Company, University City, Mo. Reverse cycle valve. 2,640,494, June 2.

Koup, Alfred L., Stratford, and A. A. Wagner, Fairfield, assignors to United Aircraft Corporation, East Hartford, Conn. Fluid coupling clutch. 2,644,535, July 7.

Koutnik, Ludwig W., West Babylon, N. Y., assignor to F. S. Brainard, Jr., Hartford, Conn. Slide fastener of the extruded type. 2,658,250, Nov. 10.

Kovac, George M., Rockford, Ill. Magnetic toy. 2,651,140, Sept. 8.

Kovach, Louis: *See*—
Arnold, George B., and Kovach.
Hess, Howard V., Arnold, and Kovach.

Kovachick, Joseph L., Turtle Creek, Pa. Roof opening apparatus for railroad freight cars. 2,629,339, Feb. 24.

Kovacs, Julius P., Newark, assignor to PurOlator Products, Inc., Rahway, N. J. Oil filter and pressure regulation system for engines. 2,639,783, May 26.

Kovary, Olivio, New York, N. Y. Adjustable baby bunting. 2,624,048, Jan. 6.

Kovatch, Robert J., Baltimore, Md., assignor to Bethlehem Steel Company. Sheet transfer and guide. 2,643,757, June 30.

Kowalik, John J., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,652,786, Sept. 22.

Kowalik, John J., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,661,702, Dec. 8.

Kowall, Alfred E., Westchester, Ill., assignor of one-half to E. A. Kirwin, Wilmington, Del. Concealing defects in a surface. 2,663,651, Dec. 22.

Kowan, Maurice H., and A. W. Olsen, Los Angeles, Calif. Vegetable and fruit pulping and juicing machine. 2,634,776, Apr. 14.

Koza, Ralph H., Denver, and W. M. Stockam, Aurora, Colo., assignors to United Air Lines, Inc., Chicago, Ill. Device for administering gases. 2,652,830, Sept. 22.

Kozacik, Alfred P., and E. M. Nygaard, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of indium acetylacetonate. 2,654,769, Oct. 6.

Kozacka, Frederick J., Amesbury, assignor to The Chase-Shawmut Company, Newburyport, Mass. Current-limiting fuse. 2,653,203, Sept. 22.

Kozacka, Frederick J., Amesbury, Mass., assignor to The Chase-Shawmut Company. High current carrying capacity current-limiting fuses. 2,658,974, Nov. 10.

Kozacka, Frederick J., Amesbury, Mass., assignor to The Chase-Shawmut Company. Supercurrent fuse. 2,662,140, Dec. 8.

Kozak, Alfred W.: *See*—
Beggs, George E., Jr., and Kozak.

Kozak, Frank J., Yankton, S. Dak. Bracket device. 2,641,429, June 9.

Kozak, Walter F., Swampscott, Mass., assignor to General Electric Company. Color forming chemical reaction recorder. 2,631,918, Mar. 17.

Kozie, Anthony W.: *See*—
Soltow, John F., and Kozie.

Kozma, Ladislas: *See*—
Hatton, William, Haigh, and Kozma.

Kraatz, George A.: *See*—
Paull, Ambrose D., and Kraatz.

Kraay, Robert A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Brushing apparatus. 2,645,797, July 21.

Kraber, Frank J., Seattle, Wash. Mouthpiece attachment for tobacco smoking pipes and the like. 2,630,808, Mar. 10.

Kracklauer, Aloysius C., Mundelein, Ill. Horizontal plate filter. 2,624,465, Jan. 6.

Kracklauer, Aloysius C., Mundelein, Ill. Production of filter units for a filter apparatus. 2,639,251, May 19.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Juvenile vehicle body construction. 2,633,378, Mar. 31.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Juvenile vehicle body construction. 2,633,379, Mar. 31.

Kraemer, Fred J., Jr., Tarrytown, assignor to Dennison & Sons, Long Island City, N. Y. Triple entry posting board. 2,658,774, Nov. 10.

Kraemer, Fritz, Huntsville, Ala., assignor to the United States of America as represented by the Secretary of the Army. Body for rockets and rocketlike vehicles. 2,627,231, Feb. 3.

Kraeplin, Robert C.: *See*—
Mason, James A., and Kraeplin.

Kraffe de Laubarède, Léonce, Paris, France. Method and apparatus for extruding thermoplastic materials. 2,632,203, Mar. 24.

Kraft, Charles H., Kansas City, Mo. Garment hanger. 2,646,890, July 28.

Kraft Foods Company, assignee: *See*—
Kraft, John H.
Linstedt, William F.
Marshall, John M.
Riemer, John.
Traisman, Edwin, and Price.

Kraft, Fred E., Chicago, Ill. Open-end wrench convertible to box-type wrench. 2,628,522, Feb. 17.

Kraft, Frederick G., Richmond, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cut-off gauge for winding machines. 2,629,181, Feb. 24.

Kraft, Herman T., assignor to The General Tire and Rubber Company, Akron, Ohio. Fluid operated clutch or brake. 2,630,198, Mar. 3.

Kraft, Herman T., assignor to The General Tire and Rubber Company, Akron, Ohio. Torque transmitting device employing extensible resilient clutch elements. 2,637,345, May 5.

Kraft, Herman T., assighor to The General Tire and Rubber Company, Akron, Ohio. Fluid operated coupling with detachable shoes. 2,637,427, May 5.

Kraft, John H., assignor to Kraft Foods Company, Chicago, Ill. Manufacture of soft surface cured cheese. 2,641,545, June 9.

Kraft, Joseph K.: *See*—
Wallace, James M., Edwards, and Kraft.

Kraft Paper Products Limited, assignee: *See*—
Longtin, George L. R.

Kraft, Russell E., Parsippany, assignor to United Technical Laboratories, Morristown, N. J. Electrical wiring terminal. 2,636,067, Apr. 21.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Vapor liquid contact apparatus. 2,646,977, July 28.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Asphalt blowing. 2,661,323, Dec. 1.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Condensing system for distillation column. 2,662,850, Dec. 15.

Krag, Franz K., assignor to Krag Steel Products, Inc., Chicago, Ill. Sliding jaw screw cap remover. 2,634,638, Apr. 14.

Krag, Franz, K., Chicago, Ill. Tape guide, and presser for tape recorders, and the like. 2,644,690, July 7.

Krag Steel Products, Inc., assignee: *See*—
Krag, Franz K.
Nelson, John V.

Kragness, Harold, Canby, Minn. Measuring tape. 2,627,117, Feb. 3.

Krahé, Josef: *See*—
Scofield, Raymond C., and Krahé.

Krahulec, Fred: *See*—
Bateman, George H., and Krahulec.

Krahulec, Fred, Skokie, assignor to A. C. Nielsen Company, Chicago, Ill. Rotary multiple contact switch. 2,658,963, Nov. 10.

Krajcik, Frank J.: *See*—
Godfrey, Ronald G., and Krajcik.

Krakauer, Edwin G., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Couch hinge. 2,624,889, Jan. 13.

Krakauer, Edwin G., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Sofa-bed hinge. 2,651,054, Sept. 8.

Krakenberg, Charles G., assignor to Checkmaster Systems, Inc., New York, N. Y. Book and leaf holding device for printing machines. 2,638,846, May 19.

Krakenberg, Charles G., assignor to Checkmaster Systems Inc., New York, N. Y. Printing machine. 2,645,996, July 21.

Kral, Ernest J., Cleveland, Ohio. Multicolored single luminescent tube system. 2,632,869, Mar. 24.

Kramcsak, Michael, Jr., assignor to The Bassick Company, Bridgeport, Conn. Caster. 2,631,328, Mar. 17.

Kramcsak, Michael, Jr., assignor to The Bassick Company, Bridgeport, Conn. Caster glide. 2,641,016, June 9.

Kramel, Leonard F., Lyndhurst, Ohio, assignor to General Electric Company. Electric incandescent lamp. 2,633,548, Mar. 31.

Kramer, Alfred: *See*—
Kramer, Edwin E., and A. Cramer.

Kramer, Clarence F., Birmingham, assignor to Ford Motor Company, Dearborn, Mich. Vehicle body construction. 2,624,614, Jan. 6.

Kramer, Clarence F., Birmingham, assignor to Ford Motor Company, Detroit, Mich. Hood latch. 2,646,299, July 21.

Kramer, Edwin E., South Pasadena, and A. Kramer, San Gabriel, Calif. Pouring spout. 2,657,838, Nov. 3.

Kramer, Ferdinand, Port Chester, assignor to Fadex Foreign Trading Corporation, New York, N. Y. Umbrella. 2,640,490, June 2.

Kramer, Franklyn A., administrator: *See*—
Fons, Silas C., and Kramer.

Kramer, Gideon A., Seattle, Wash. Decorating candles and the product thereof. 2,636,370, Apr. 28.

Kramer, Jack M., Los Angeles, Calif. Baby pen for automobiles. 2,641,773, June 16.

Kramer, John: *See*—
Fons, Silas C., and Kramer.

Kramer, Joseph: *See*—
Amyx, Elmer, and Kramer.

Kramer, Lawrence I., Park Forest, Ill., assignor to R. R. Donnelley & Sons Company. Machine for forming bundles of signatures. 2,659,907, Nov. 24.

Kramer Trenton Company, assignee: *See*—
Malkoff, Hyman, and Nussbaum.
Plumeri, John, and Reisinger.

Kramer, William M., Clarksburg, W. Va., and R. F. Fey, Valencia, Pa., assignors to Adamston Flat Glass Company, Clarksburg, W. Va. Continuous sheet glass drawing process. 2,630,656, Mar. 10.

Krammerer, Archer W., Fullerton, Calif. Expansible rotary drill bit. 2,654,576, Oct. 6.

Krampe, Paul T., Sherman Oaks, and J. J. Hanzlik, Los Angeles, Calif.; said Hanzlik assignor to said Krampe. Portable steam cleaner. 2,639,365, May 19.

Kranawetvogel, Anton, Munchen, and W. Rosin, assignors to E. H. von Lienen, Fahrzeugfabrik, Bochum, Germany. Motor vehicle or trailer for transporting portable cases. 2,659,504, Nov. 17.

Kranenberg, Heinrich E., Remscheid-Lennep, Germany. Device for making hollow bodies of sheet metal under hydraulic pressure. 2,649,067, Aug. 18.

Kraner, Warren A., San Francisco, Calif. Pipe feeding device. 2,626,717, Jan. 27.

Kranick, Frank N. G., assignor to J. I. Case Company, Racine, Wis. Expansible disk harrow. 2,640,308, June 2.

Krantz, Walter M., Youngstown, Ohio. Screen insert for storm windows. 2,639,769, May 26.

Kranz, William, Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sealing element for pressure vessels. 2,625,414, Jan. 13.

Krapp, John T., Port Washington, N. Y. Coupling device with spring pressed tighteners. 2,641,490, June 9.

Kraska, Reinhold M., Altadena, Calif. Table with folding legs. 2,664,329, Dec. 29.

Krasnov, Fannie K., Melrose Park, Pa. Studio couch slip cover. 2,641,001, June 9.

Krasnow, Shelley, New York, N. Y., and L. F. Curtiss, Garrett Park, Md., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Borehole method and apparatus. 2,631,671, Mar. 17.

Krasnow, Shelley, Fairfax County, Va., and M. J. Test, Kansas City, Mo., assignors to Schlumberger Well Surveying Corporation, Houston, Tex. Energizing system for borehole radioactivity apparatus. 2,640,161, May 26.

Kratzer, Myron B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Regeneration of hydrocarbon synthesis catalyst by treatment with ethanol. 2,632,015, Mar. 17.

Kratzl, Karl, and E. Kvasnicka, Vienna, assignors to Osterreichische Stickstoffwerke Aktiengesellschaft, Linz (Donau), Austria. Vanillic acid diethylamide. 2,641,612, June 9.

Kraus, Alphonse, Rochester, N. Y. Booster device for internal-combustion engines. 2,653,589, Sept. 29.

Kraus, Anton, Vienna, Austria. Lock for containers. 2,645,112, July 14.

Kraus, Charles A.: *See*—
Calfee, John D., and Kraus.

Kraus, Charles A., Providence, R. I., and D. W. Young, Westfield, N. J., assignors to Standard Oil Development Company. Production of asphalt. 2,663,672, Dec. 22.

Kraus, Charles E.: *See*—
Montanus, Paul A., and Kraus.

Kraus, Edwin C., and M. V. Douthitt, Ortonville, Minn. Means for conveying and arranging cans in rows. 2,656,910, Oct. 27.

Kraus, Edwin C., and M. V. Douthitt, Ortonville, Minn. Can conveying machine. 2,662,631, Dec. 15.

Kraus, Karl J., Las Vegas, Nev. Multiple platform weight analyzer. 2,653,475, Sept. 29.

Kraus, Max R.: *See*—
Glass, Marvin I., Ehemann, and Kraus.

Kraus, Raymond M., Cleveland, assignor to The Dunham Company, Berea, Ohio. Disk harrow gang and bearing. 2,647,805, Aug. 4.

Kraus, Wallace, Brooklyn, N. Y. Making small article packages. 2,637,152, May 5.

Krause, Albert H., East Cleveland, assignor to The Carpenter Manufacturing Corporation, Cleveland, Ohio. Piston movement control device. 2,629,327, Feb. 24.

Krause, Herbert A., Brookfield, Ill., assignor to General Motors Corporation, Detroit, Mich. Brush spring retractor. 2,655,061, Oct. 13.

Krause, Irving A., Jersey City, assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Video clipping circuit. 2,647,209, July 28.

Krause, Jack H.: *See*—
Tom, Theodore B., and Krause.

Krause, Jack H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Refining of distillates with sulfuric acid and SO_2Cl_2. 2,651,596, Sept. 8.

Krause, Jack H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Sweetening hydrocarbon oils. 2,653,124, Sept. 22.

Krause, Jack H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Sweetening hydrocarbon oils. 2,653,125, Sept. 22.

Krause, Jack H., and R. H. Brown, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Refining sour hydrocarbon oils. 2,663,674, Dec. 22.

Krause, Leo C., Cleveland, Ohio, assignor to General Electric Company. Comparator having magnetically coupled indicator. 2,636,278, Apr. 28.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Header control for combines. 2,630,667, Mar. 10.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Corn picker reversing transmission. 2,636,330, Apr. 28.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Windrow turning apparatus. 2,652,679, Sept. 22.

Krause, Norman R., and M. A. Richardson, assignors to J. I. Case Company, Racine, Wis. Ensilage harvester. 2,629,978, Mar. 3.

Krause, Norman R., and S. C. Heth, assignors to J. I. Case Company, Racine, Wis. Harvester-thresher frame structure. 2,652,677, Sept. 22.

Krause, Norman R., and S. C. Heth, assignors to J. I. Case Company, Racine, Wis. Corn harvester. 2,661,586, Dec. 8.

Krause, Paul W., Syracuse, N. Y., assignor to General Electric Company. Liquid settling of fluorescent screens. 2,662,829, Dec. 15.

Krause, Richard S., and E. H. Seibert, assignors to Autopoint Company, Chicago, Ill. Telescoping magnifying lens and handle. 2,649,838, Aug. 25.

Krause, William F.: *See*—
Halvorsen, Russell V., Krause, and Polivka.

Krauss, Adolph F.: *See*—
Hall, Gardner V., Shank, and Krauss.

Krauss, Carl, Chicago, Ill. Air circulating and conditioning unit. 2,626,136, Jan. 20.

Krauss, David G., Amana, Iowa. Coin holder. 2,653,703, Sept. 29.

Krauss, Wolfgang W.: *See*—
Whitehouse, Irving P., and Krauss.

Krauss, Wolfgang W., Aurora, assignor to Republic Steel Corporation, Cleveland, Ohio. Radiant heating panel. 2,628,078, Feb. 10.

Kraut, Max: *See*—
Pellas, Silvio F., and Kraut.

Krauthamer, Josef, New York, N. Y. Universal swivel coupling or joint. 2,632,660, Mar. 24.

Krautter, Willy F.: *See*—
Kamm, Wunibald I. E., Krautter, and Staiger.

Krautter, Willy F., Lynbrook, N. Y., W. I. E. Kamm, Dayton, Ohio, and K. Staiger, Indianapolis, Ind., said Krautter assignor to the United States of America as represented by the Secretary of the Air Force. Automatic refueling boiler device. 2,663,363, Dec. 22.

Kravagna Cut, Los Angeles, Calif. Check valve. 2,662,724, Dec. 15.

Kraybill, Henry R.: *See*—
Beadle, Burl W., and Kraybill.

Kreamer, William H., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Control device. 2,650,414, Sept. 1.

Krebs, Robert W.: *See*—
Kimberlin, Charles N., Jr., Adams, Krebs, and Richardson.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic distillation of shale. 2,627,499, Feb. 3.

Krebs, Robert W., Baton Rouge, La., and W. K. Lewis, Jr., East Orange, N. J., assignors to Standard Oil Development Company. Method and apparatus for carrying out exothermic catalytic reactions. 2,627,522, Feb. 3.

Kredentser, Hyman S.: *See*—
Armstrong, William N. B., and Kredentser.

Kroeger, Frederick R., Shaker Heights, Ohio. Baby Stroller. 2,647,757, Aug. 4.

Kreer, John G., Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,642,473, June 16.

Krefft, Hermann E., Buenos Aires-Belgrano, Argentina. Electrical discharge lamp. 2,625,671, Jan. 13.

Krefft, Hermann E., Buenos Aires-Belgrano, Argentina. Seal for electrical discharge devices. 2,632,033, Mar. 17.

Kreidl, Ekkehard L.: *See*—
Harford, Charles G., Kreidl, and Utter.

Kreidl, Norbert J., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Borosilicate optical glass. 2,657,146, Oct. 27.

Kreidl, Werner H., New York, N. Y. Improving the bonding properties of polyethylene plastics. 2,632,921, Mar. 31.

Kreidler, Alfred, Stuttgart, Germany. Drawbench. 2,659,480, Nov. 17.

Kreis, Joseph D.: *See*—
Baumgardner, Harold K., and Kreis.

Kreis, Joseph D., Cleveland, Ohio. Coupling for offset shafts. 2,646,686, July 28.

Kreisel, Earl W., assignee: *See*—
Ruport, Alvin A.

Kreisler, Herman, New York, N. Y. Electrical insulator. 2,647,943, Aug. 4.

Kreitchman, Morton A.: *See*—
Bruckman, William C., Kreitchman, and Olson.

Kreitchman, Morton A., Irvington, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Washing machine provided with resilient collapsible inlet. 2,625,031, Jan. 13.

Kreitchman, Morton A., Irvington, and W. J. Olson, Bloomfield, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Cabinet structure for washing machines. 2,645,548, July 14.

Kreizelman, Norman M., Merrick, N. Y. Knockdown bent wood furniture. 2,640,527, June 2.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Carbon black process. 2,632,713, Mar. 24.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Carbon black furnace and making carbon black. 2,641,534, June 9.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Gas turbine combustion chamber with provision for turbulent mixing of air and fuel. 2,659,201, Nov. 17.

Krementz & Company, assignee: *See*—
Littell, John G.

Krémer, Gilbert H. V.: *See*—
Lantz, Robert L., and Krémer.

Kremers, Harry C., Mentor, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Resistance furnace. 2,640,861, June 2.

Kremers, Harry C., Mentor, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Side heater. 2,650,254, Aug. 25.

Krems, Irving J., Bronx, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation and purification of higher alkyl aryl sulfonamides and their salts. 2,658,916, Nov. 10.

Krenke, Vincent G., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric switching device. 2,653,198, Sept. 22.

Kress, Richard G., Los Angeles, assignor to Extruders, Inc., Culver City, Calif. Manufacturing plastic film. 2,641,022, June 9.

Kressley, Leonard J.: *See*—
Frevel, Ludo K., and Kressley.

Kretschmar, Ernest, Clayton, Mo. Electrical insect killer with fire preventing means. 2,661,512, Dec. 8.

Kretzschmar, George W.: *See*—
Klammt, Arthur, and Kretzschmar.

Kretzschmar, George W., Ridgewood, N. J. Tension control for the let-off mechanisms of looms. 2,661,773, Dec. 8.

Kretzschmar, George W., Ridgewood, N. J. Device for maintaining the tension in the warp threads of a loom uniform. 2,661,774, Dec. 8.

Kreul, August R., Fennimore, Wis. Gasket dispenser. 2,635,026, Apr. 14.

Kreuz, Kenneth L., Fishkill, N. Y., and C. D. Hurd, Evanston, Ill., assignors to The Texas Company, New York, N. Y. Preparing monohydroxythiophene. 2,638,474, May 12.

Kreuz, Kenneth L., Fishkill, N. Y., and C. D. Hurd, Evanston, Ill., assignors to The Texas Company, New York, N. Y. Nitrothienyl ketones. 2,642,440, June 16.

Kreuzer, Ben L., Denver, Colo. Combined sleeping bag and tent. 2,656,844, Oct. 27.

Krewson, Charles F., Abington, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Colloidal flavonol system. 2,637,725, May 5.

Krewson, Josephine E., Muskegon, Mich. Apparatus for use in surgery and in administering anesthetics. 2,628,803, Feb. 17.

Krewson, Josephine E., Muskegon, Mich. Holder and operator for hypodermic syringes. 2,644,450, July 7.

Krider, George E., Duncansville, Pa. Crushing machine. 2,628,037, Feb. 10.

Krieble, Elvin L., Lansdale, assignor to Selas Corporation of America, Philadelphia, Pa. Liquid separator. 2,626,709, Jan. 27.

Krieg, Abraham: *See*—
Gutzeit, Gregoire, and Krieg.

Krieg, Eldon L.: *See*—
Smith, Milton B., Wallace, and Krieg.

Kriegel, Bernard, San Francisco, assignor to Baker Oil Tools, Inc., Vernon, Calif. Pressure compensated valve device for well tools. 2,647,583, Aug. 4.

Kriegel, Joachim, Astoria, Oreg. Heel cushion insert. 2,632,964, Mar. 31.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,641,663, June 9.

Krieger, Willard: *See*—
Able, Edward T., and Krieger.

Krijger, Pieter: *See*—
Engel, Willem F., and Krijger.
Tennqna

Krimmel, Carl P., Mundelein, assignor to G. D. Searle & Co., Chicago, Ill. Basically substituted N-alkyl derivatives of α,β,β-triarylpropionamides. 2,629,736, Feb. 24.

Krimmel, Carl P. Mundelein, assignor to G. D. Searle & Co., Chicago, Ill. Basically substituted aroylbenzamides and salts thereof. 2,629,737, Feb. 24.

Krimmel, Carl P., Mundelein, assignor to G. D. Searle & Co., Chicago, Ill. Basically substituted N-alkyl derivatives of α,α-ditolylpropion-amide and salts thereof. 2,634,274, Apr. 7.

Krimmel, Carl P., Mundelein, assignor to G. D. Searle & Co., Chicago, Ill. N,N-disubstituted aminoalkanol esters of α,α-diacyltoluic acids and their salts. 2,655,504, Oct. 13.

Krimmel, Carl P., Mundelein, assignor to G. D. Searle & Co., Chicago, Ill. N-dialkylaminoalkyl derivatives of α,β-diarylalkanoamides and their salts. 2,658,076, Nov. 3.

Krings, Bernard J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Traction-motor control. 2,663,837, Dec. 22.

Krisch, Kube, Philadelphia, Pa. Phonograph needle. 2,629,605, Feb. 24.

Kriseman, Jake, Detroit, Mich. Safety device for automotive vehicles. 2,625,051, Jan. 13.

Kristen, Emil A., St. Louis, Mo. Auto body repairing tool. 2,651,276, Sept. 8.

Kritchever, Mathew F., Wilmette, assignor to Traver Corporation, Chicago, Ill. Securing decorative matter to a surface of a polyethylene body. 2,648,097, Aug. 11.

Kritter, Louis, Paris, France. Electric motor with encased rotor. 2,648,786, Aug. 11.

Kritzer, Richard W., assignor of one-half to A. B. Bassi and one-half to D. H. Burbidge, Chicago, Ill. Fishing tackle. 2,631,401, Mar. 17.

Kriz, Stanley E., Hopkins, Minn. Trash can holder. 2,639,113, May 19.

Krize, Frank, Jr., Natchez, Miss. Bottle screw cap remover. 2,641,943, June 16.

Krizman, Matthew F., South Bend, Ind. Antenna mounting base. 2,628,796, Feb. 17.

Krober, Howard, assignee: *See*—
Carlson, Noble R.

Kroeger, Wilbur E., Davis, Calif. Flash unit for starters' guns. 2,646,560, July 21.

Kroehler Mfg. Co., assignee: *See*—
Stauffer, Edward J.

Kroemer, John H.: *See*—
Davidson, John T., and Kroemer.

Kroenlein, Henry A., Los Angeles, Calif. Bow compass. 2,637,113, May 5.

Kroeper, Hugo: *See*—
Reppe, Walter, Schweckendiek, and Kroeper.

Krogel, Christopher J., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire insulating apparatus. 2,663,229, Dec. 22.

Kroger Co., The, assignee: *See*—
Black, James J.

Kröger, Ferdinand A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Self-activated zinc sulfide phosphors. 2,662,060, Dec. 8.

Krogh, Jens I., Alpharetta, assignor of one-half to B. Williams, Atlanta, Ga. Picture hanger. 2,641,427, June 9.

Krogh, Milton E.: *See*—
Williams, William K., and Krogh.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm connector. 2,624,903, Jan. 13.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Accessory bracket. 2,626,771, Jan. 27.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Adapter for connecting windshield wiper blades to actuating arms. 2,632,908, Mar. 31.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Connector for windshield wiper blades and arms. 2,632,909, Mar. 31.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Swivel connection between windshield wiper blade unit and arm. 2,641,007, June 9.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper and arm connection. 2,642,613, June 23.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Air filter. 2,642,843, June 23.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Coupling means. 2,657,083, Oct. 27.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Air filter. 2,662,609, Dec. 15.

Krohn, Arnold, Whitman, Mass. Sewing machine. 2,635,569, Apr. 21.

Krohn, Earl H.: *See*—
Kirkpatrick, Harry A., and Krohn.

Kroko, Leonard J., Shaker Heights, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Elapsed time indicator. 2,655,634, Oct. 13.

Kroll, Adolphe V., Grevenmacher-Pieter, Luxemburg, assignor, by mesne assignments, to Compagnie Geologique et Miniere des Ingenieurs et Industriels Belges "Geomines" Societe par Actions a Responsabilite Limitee, Manono, Belgian-Congo. Recovering lithium compounds from lithium minerals. 2,662,809, Dec. 15.

Kroll, Alfred J., Forestville, and A. W. Schnick, assignors to The Cuno Engineering Corporation, Meriden, Conn. Cigar lighter with luminous indicator. 2,648,758, Aug. 11.

Kroll, Cornelius, assignee: *See*—
Alimanestiano, Mihai.

Kroll, George, Passaic, and L. Handleman, Irvington, N. J. Sandblasting device. 2,628,457, Feb. 17.

Kroll, Harley E.: *See*—
Miller, William F., and Kroll.

Kroll, John A., Milwaukee, and G. M. Smith, Grafton, assignors to A. O. Smith Corporation, Milwaukee, Wis. Elevating apparatus. 2,631,008, Mar. 10.

Kroll, Nathan J., Chicago, Ill. Baby crib. 2,635,257, Apr. 21.

Krom, Myron E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric delay system. 2,636,931, Apr. 28.

Kromer, Edward L.: *See*—
Kromer, Esther M. and E. L.

Kromer, Esther M. and E. L., Chicago, Ill. Sheet. 2,637,049, May 5.

Kromer, Wallace R., Cleveland Heights, Ohio. Method of and apparatus for storing, cooling, and dispensing beverages. 2,646,667, July 28.

Kron, Harold O., assignor to Philadelphia Gear Works, Inc., Philadelphia, Pa. Motor-driven valve control. 2,629,264, Feb. 24.

Kron, Harold O., assignor to Philadelphia Gear Works, Inc., Philadelphia, Pa. Valve control. 2,634,623, Apr. 14.

Krone, Howard C., Ridgewood, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Hydrant for aircraft refueling. 2,629,395, Feb. 24.

Krone, Howard C., Ridgewood, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Self-closing and slow-closing valve. 2,630,137, Mar. 3.

Krönig, Walter, Hamburg-Blankenese, H. Seeles, and H. Burmeister, Hamburg, Germany, assignors to Shell Development Company, Emeryville, Calif. Oil-soluble petroleum sulfonates. 2,650,198, Aug. 25.

Kronish, Joseph, Mount Vernon, N. Y. Nursing bottle nipple and shield therefor. 2,638,094, May 12.

Kronner, William O., executor: *See*—
Wemp, Ernest E.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Self-locking mounting for loom reeds. 2,634,764, Apr. 14.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Paper indicated dobby. 2,646,080, July 21.

Kronoff, Clarence R., Worcester, and A. C. Krukonis, Auburn, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Revoking and resetting mechanism for weft replenishing looms. 2,627,284, Feb. 3.

Kronquist, Alfred J., San Francisco, Calif. Doorframe setting gauge. 2,636,282, Apr. 28.

Kronstad, Haavard, near Mahoningtown, Pa. Feeder for fluid current conveyers. 2,644,724, July 7.

Kronthal, Sidney, New York, N. Y. Applying reaction plating. 2,631,949, Mar. 17.

Kronwall, Konstantin, Winnetka, assignor to United Drill and Tool Corporation, Chicago, Ill. Auger bit. 2,627,292, Feb. 3.

Krooss, John H., assignor to Victaulic Company of America, New York, N. Y. Pipe grooving tool. 2,634,643, Apr. 14.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Quaternarizing polymers of N,N di-methyl-p-aminostyrene. 2,663,702, Dec. 22.

Kropa, Edward L., Old Greenwich, and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified and unmodified acrylonitrile copolymer compositions and method of preparing the same. 2,624,722, Jan. 6.

Kropa, Edward L., Old Greenwich, and W. M. Thomas, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing condensation products of pentaerythritol and glyoxal. 2,643,236, June 23.

Kropa, Edward L., Old Greenwich, and A. S. Nyquist, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of diarylethanes. 2,653,979, Sept. 29.

Kropa, Edward L., Old Greenwich, Conn., and E. W. Malmberg, Dublin, Ohio, assignors to American Cyanamid Company, New York, N. Y. Polymerizable acrylonitrile compositions and polymerization products thereof. 2,655,494, Oct. 13.

Kropp Forge Company, assignee: *See*—
Kropp, Roy A.

Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Soil conditioner. 2,638,830, May 19.

Krouse, Glen N., Columbus, Ohio. Magnetic measuring gauge. 2,625,585, Jan. 13.

Krouse, Lee M., Kenmore, N. Y., J. H. Nourse, Fort Erie, Ontario, Canada, H. R. Katzmann, and F. A. Howard, assignors to Fredric Flader, Inc., Buffalo, N. Y. Compressor. 2,637,488, May 5.

Krow, Cecil J., Ralston, Okla. Alarm circuit for balers and the like. 2,624,791, Jan. 6.

Krows, Arthur E., Hastings on Hudson, N. Y. Film threading means for projector apparatus. 2,632,361, Mar. 24.

Krows, Arthur E., Hastings-on-Hudson, N. Y. Dissolve type shutter for dual projection apparatus. 2,655,833, Oct. 20.

Krtous, George F., assignor to De Vry Corporation, Chicago, Ill. Mechanism for facilitating the removal of a lamp from its socket. 2,657,366, Oct. 27.

Krucker, Charles F., Darlington, Wis. Cheese stirrer. 2,630,303, Mar. 3.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Dispenser for pressure-sensitive tape. 2,647,746, Aug. 4.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape dispensing mechanism. 2,650,433, Sept. 1.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape measuring dispenser. 2,654,154, Oct. 6.

Krueger, Alfred P., Stratford, assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing device. 2,654,598, Oct. 6.

Krueger, August, Chicago, Ill. Burglar alarm switch. 2,640,894, June 2.

Krueger, Conrad P., Hopkins, assignor to Patent Management, Incorporated, Minneapolis, Minn. Driving mechanism for tremolos. 2,637,213, May 5.

Krueger, Edward C., and A. L. Vander Linde, assignors to Hammond Machinery Builders, Incorporated, Kalamazoo, Mich. Work clamp and aligning gauge for sawing machines. 2,655,959, Oct. 20.

Krueger, Elmer E.: *See*—
Smith, Arthur L., and Krueger.

Krueger, Frank W., Saratoga, assignor, by mesne assignments, to Rheem Manufacturing Co., Richmond, Calif. Supporting and locking structure for collapsible wall shelves. 2,634,180, Apr. 7.

Krueger, Frank W., Saratoga, assignor to Be-Ge Manufacturing Co., Gilroy, Calif. Reversible clutch for hydraulic power mechanism. 2,648,416, Aug. 11.

Krueger, Frank W., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Filling machine. 2,656,963, Oct. 27.

Krueger, Frank W., and W. de Back, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Filling machine. 2,663,481, Dec. 22.

Krueger, Fred G., assignee: *See*—
Knollman, Harry A.

Krueger, Herman W., Plymouth, Wis. Toilet paper roll holder. 2,632,606, Mar. 24.

Krueger and Hudepohl, assignee: *See*—
Knollman, Harry A.

Krueger, Max E., assignee: *See*—
Brumbaugh, Harold C.

Krueger, Nicholas: *See*—
Kolodny, Samuel, Micci, and Krueger.

Krueger, Roland F., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Electric logging with oil base drilling fluids. 2,626,305, Jan. 20.

Krueger, Theodore H., Strafford, assignor to Better Packages Incorporated, Shelton, Conn. Tape dispenser provided with adjustable brush moistener. 2,629,358, Feb. 24.

Krueger, Theodore H., Stratford, Conn., assignor to Seal Incorporated. Dry mounting press. 2,643,699, June 30.

Krueger, Theodore H., Stratford, Conn., assignor to Seal Incorporated. Dry mounting press with timing signals. 2,644,151, June 30.

Krueger, Theodore H., Stratford, assignor to Better Packages Incorporated, Shelton, Conn. Gummed tape dispenser. 2,650,774, Sept. 1.

Krug, Eugene C.: *See*—
Fort, Frank, and Krug.

Kruger, Archie S.: *See*—
Broeren, Frank L., Kruger, and Jones.

Kruglick, Harry, Chicago, Ill. Ruffling machine. 2,653,558, Sept. 29.

Kruhmin, Ernest, Hyde Park, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Erosion resisting fan wheel. 2,653,755, Sept. 29.

Kruithof, Jakob, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Two-motion switching system. 2,640,882, June 2.

Kruithof, Jakob, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Electric multiswitch. 2,640,884, June 2.

Kruithof, Jakob, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Flat crossbar switch mechanism. 2,651,682, Sept. 8.

Krukonis, Alexander C.: *See*—
Kronoff, Clarence R., and Krukonis.

Krukonis, Alexander C., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for weft replenishing looms. 2,630,840, Mar. 10.

Krukonis, Alexander C., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Photoelectrically controlled loom protection. 2,664,116, Dec. 29.

Krukonis, Alexander C., Auburn, and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing loom. 2,627,285, Feb. 3.

Krulikoski, Stanley J., Jr., Dearborn, and D. T. Jarvis, assignors to Bendix Aviation Corporation, Detroit, Mich. Pulse forming circuit. 2,625,652, Jan. 13.

Krumbach, Will, Burlington, Wis. Pulley mounting for sawing equipment of the bandsaw type. 2,664,118, Dec. 29.

Krumm, Howard L., Columbus, Ohio. Adjustable parts holder and work-positioning apparatus. 2,648,896, Aug. 18.

Krumm, Thomas F., Toledo, Ohio. Wheel gauge. 2,628,430, Feb. 17.

Krumpholz, Kenneth, assignee: *See*—
Haley, Allan M.

Krune, Elbert C., Opportunity, Wash. Air current deflector. 2,646,257, July 21.

Krupin, Philip, Orange, N. J. Cash tray. 2,659,486, Nov. 17.

Krupp, Carroll P., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Diaphragm for storage tanks. 2,647,657, Aug. 4.

Krupp, Carroll P., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflatable closing strip for aircraft. 2,654,922, Oct. 13.

Krusberger, Joseph F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,642,180, June 16.

Kruse, Carl H., assignee: *See*—
Phipps, Frank A.

Kruse, Harry J., St. Louis, and H. C. Mounce, Ferguson, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Crystalline ferric ammonium citrate compounds. 2,644,828, July 7.

Kruse, Helmer V., Douglas, Ariz. Casting ejector. 2,653,371, Sept. 29.

Krusi, Jacob, Thayne, Wyo. Protectively coated edible cheese morsels and producing same. 2,648,607, Aug. 11.

Krust, Walter, Brooklyn, assignor to Jacoby-Bender, Inc., New York, N. Y. Display card for bracelets and the like. 2,656,919, Oct. 27.

Kruszona, Raymond F., assignor to General Motors Corporation, Detroit, Mich. Anchoring means for wavy wire spring ends. 2,657,738, Nov. 3.

Kruth, Leon: *See*—
Rosen, Leonard J., Kruth, and White.

Kruze, Andrew A., Detroit, Mich. Unitary sinker leader and fishhook. 2,651,136, Sept. 8.

Kruzell, George R., Bay City, assignor to S. Johnston, Harbor Springs, Mich. Telescope mounting for guns. 2,635,341, Apr. 21.

Krzesiewski, Walter, Manville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Fan guard. 2,658,666, Nov. 10.

Kubaugh, Le Roy M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Means for sealing containers for pressure testing. 2,646,677, July 28.

Kubaugh, Le Roy M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Track for track-laying vehicles. 2,647,023, July 28.

Kuber, Abraham: *See*—
Mishkin, Sidney, and Kuber.

Kubiliunas, Ignas B., Boston, Mass. Wedge type curtain rod guide. 2,652,959, Sept. 22.

Kubler, Ernest F., Schenectady, N. Y., assignor to General Electric Company. Thyratron control system for series motors. 2,653,288, Sept. 22.

Kubon, Clifford W., Aitkin, Minn. Vegetable slicing machine. 2,664,130, Dec. 29.

Kucera, Joseph B., Traer, Iowa. Plant spraying machine. 2,647,795, Aug. 4.

Kucera, Joseph B., Traer, Iowa, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Plant spraying machine. 2,657,093, Oct. 27.

Kucher, Joseph A., Whitney Point, assignor to General Aniline & Film Corporation, New York, N. Y. Coating liquid applicator. 2,659,343, Nov. 17.

Kudo, Harold M., Thornton, Ill. Double electric grill with pressure applying means. 2,632,379, Mar. 24.

Kudrna, Emil J., Denver, Colo. Foldable platform structure. 2,624,058, Jan. 6.

Kuebler, Arthur G., and J. B. Hollopetre, South Euclid, Ohio, assignors to General Electric Company. Coating method and apparatus for luminescent tubes. 2,643,956, June 30.

Kuebler, James F., Tiffin, Ohio. Cornice and support for curtains and the like. 2,653,656, Sept. 29.

Kuebler, Robert A., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp base end contact. 2,664,551, Dec. 29.

Kuebler, Walter A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Digester tower. 2,639,902, May 26.

Kuehlthau, John L.: *See*—
Rosenberg, Leon T., and Kuehlthau.

Kuehn, Emil H., and T. M. Larson, Mazeppa, Minn. Harrow with yielding tooth bars. 2,629,217, Feb. 24.

Kuehn, Herman, Union, and J. F. Sand, Newark, assignors to Gemex Company, Union, N. J. Spring hook clasp. 2,637,089, May 5.

Kuehn, Theadore M., Nara Visa, N. Mex. Automatic bearing oiler. 2,633,209, Mar. 31.

Kuehn, Walter L., executor: *See*—
Sengbusch, Gustav J.

Kuehne, Oscar C., San Antonio, Tex. Gas burner with multiple mixer and single combustion chamber. 2,661,056, Dec. 1.

Kueneman, Donald: *See*—
Kueneman, John R. and D.

Kueneman, John R. and D., Oakland, Calif. Gyratory crusher. 2,628,788, Feb. 17.

Kuenning, Robert W.: *See*—
Alexanderson, Ernst F. W., and Kuenning.

Kuentzel, Ward E., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Electromagnetic stirrer for high-pressure contactors. 2,661,938, Dec. 8.

Kuentzel, Ward E., Whiting, Ind., and E. Field, assignors to Standard Oil Company, Chicago, Ill. High-pressure contacting apparatus. 2,631,091, Mar. 10.

Kuerst, Alfred E., assignee: *See*—
Adams, Edwin R.

Kueser, John J.: *See*—
Huck, Alfred J., and Kueser.

Kuettler, Arthur, Jr., Berwyn, and F. Radakovich, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand guiding and tensioning device. 2,655,325, Oct. 13.

Kuever, Cecil P., Washington, D. C. Sheet guide for platen presses. 2,631,537, Mar. 17.

Kuffner, Anthony J.: *See*—
Pickering, George H., and Kuffner.

Kugel, Harry H., assignor to National Organ Supply Company, Erie, Pa. Film spool and mold for making the same. 2,643,072, June 23.

Kuh, Erwin: *See*—
Lecher, Hans Z., and Kuh.
Parker, Robert P., Seeger, and Kuh.

Kuh, William H., Des Plaines, assignor to Eisendrath Glove Company, Chicago, Ill. Glove construction. 2,632,171, Mar. 24.

Kuhar, Petter, Cleveland, Ohio. Electric regulator device and system for charging storage batteries. 2,657,351, Oct. 27.

Kuhl, Gerald L., Detroit Lakes, Minn. Unloading device for vehicles. 2,640,613, June 2.

Kuhler, Otto A., Wheel Hill, Blauvelt, N. Y., and W. E. Burnett, Montclair, N. J., assignors to American Car and Foundry Company, New York, N. Y. Sleeping car bed. 2,662,584, Dec. 15.

Kuhlik, Hattie B., assignee: *See*—
Kuhlik, Jacob M.

Kuhlik, Jacob M., assignor to H. B. Kuhlik, Sea Gate, N. Y. Traveling bag for sound recording and reproducing machines. 2,640,885, June 2.

Kuhlmann, August M., Niagara Falls, N. Y., assignor to Union Carbide and Carbon Corporation. Production of a ferrochrome-silicon-aluminum alloy. 2,631,936, Mar. 17.

Kuhm, Max, assignor to Karl Schmidt Gesellschaft mit beschraenkter Haftung, Neckarsulm, Wurttemberg, Germany. Light metal piston for combustion engines. 2,661,256, Dec. 1.

Kuhn, Albert J., assignor to General Motors Corporation, Dayton, Ohio. Electrical apparatus, including plural generators and loads. 2,655,602, Oct. 13.

Kuhn, Fred, Detroit, Mich. Refrigerated display cabinet construction. 2,645,096, July 14.

Kuhn, George, Silver Spring, Md. Passageway system for fluid operated devices. 2,635,586, Apr. 21.

Kuhn, George F., Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y. Catalyst regenerator. 2,628,157, Feb. 10.

Kuhn, Herman C., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Method and apparatus for the treatment of pitch. 2,652,591, Sept. 22.

Kuhn, Joseph M., Haddonfield, N. J., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Pad dyeing composition. 2,627,507, Feb. 3.

Kuhn, Manfred: *See*—
Keinath, Johannes, Kuhn, Boss, and Leitz.

Kuhn, Paul R., St. Louis County, assignor to Ritepoint Co., St. Louis, Mo. Refill unit for ball point pens. 2,643,639, June 30.

Kuhn, William J., assignor to Heatbath Appliances, Inc., Springfield, Mass. Gas burner and supporting plate. 2,630,859, Mar. 10.

Kuhns, James H., Winfield, Kans. Portable container combination. 2,663,391, Dec. 22.

Kuhns, William L., Clayton, N. Mex. Dehorning device. 2,643,454, June 30.

Kuhrt, Noel H., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Production of monoesters of polyhydric alcohols. 2,634,234, Apr. 7.

Kuhrt, Noel H., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Substantially complete conversion of fatty material to partial ester. 2,634,278, Apr. 7.

Kuhrt, Noel H., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Preparation of monoglycerides. 2,634,279, Apr. 7.

Kuizenga, Marvin H.: *See*—
Haines, William J., and Kuizenga.

Kujawa, Clemens W., Cudahy, Wis. Double-acting hinge frame. 2,624,909, Jan. 13.

Kuka, Kaikobad S., Jamshedpur, Bihar, India. Traveling crane motor control. 2,630,554, Mar. 3.

Kulberg, August E., Beverly, R. M. Terry, Ipswich, and S. E. Swasey, Marblehead, assignors to Sylvania Electric Products Inc., Salem, Mass. Filament mounting apparatus. 2,640,509, June 2.

Kulcher, George: *See*—
Armstrong, Gordon, and Kulcher.

Kulczycki, Karol: *See*—
Mastriani, Elvin A., and Kulczycki.

Kulhavy, Joseph T.: *See*—
Wells, Frank W., and Kulhavy.

Kulick, George, Butler, Pa. Vaginal insert. 2,638,093. May 12.

Kulick, George, Milwaukee, Wis. Safety valve for regulating and testing light pressures. 2,629,399, Feb. 24.

Kuljian Corporation, The, assignee: *See*—
Kuljian, Harry A.

Kuljian, Harry A., Merion, assignor to The Kuljian Corporation, Philadelphia, Pa. Thread processing reel having liquid applying and liquid removing means. 2,625,811, Jan. 20.

Kuljian, Harry A., Merion, assignor to The Kuljian Corporation, Philadelphia, Pa. Thread manufacturing apparatus. 2,634,449, Apr. 14.

Kuljian, Harry A., Merion, assignor to The Kuljian Corporation, Philadelphia, Pa. Thread advancing device. 2,634,490, Apr. 14.

Kuljian, Harry A., Merion, Pa. Apparatus for treating thread. 2,645,918, July 21.

Kuljian, Harry A., Merion, Pa. Thread processing reel having means for engaging the convolutions of a thread wound thereon. 2,645,919, July 21.

Kulka, Marshall: *See*—
Warren, John C. R., and Kulka.

Kulka, Marshall, Guelph, Ontario, and J. C. R. Warren, Elmira, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Preparation of 2,4-dichlorophenoxyacetic acid. 2,656,382, Oct. 20.

Killer, Nils-Erik G., Karlskoga, and K.-J. Thorild, Thorildsson, assignors to Aktiebolaget Bofors, Bofors, Sweden. Holder assembly for the propellent charges in rocket motors. 2,661,595, Dec. 8.

Kullgren, Gilbert V.: *See*—
Hale, Andrew, and Kullgren.

Kulp, Maurice P.: *See*—
Vandenburgh, Charles D., and Kulp.

Kulusic, Steve M., Hazel Park, Mich. Attachment for milling or slotting metal parts. 2,648,259, Aug. 11.

Külz, Annemarie, administratrix: *See*—
Külz, Fritz, and Schöpf.

Külz, Fritz, deceased, Frankfurt am Main, Germany, by I. and A. Külz, Frankfurt am Main, W. Külz, Essen, Stoppenberg, and F. Lehmann, Frankfurt am Main, Germany, administrators of the estate of F. Külz, and C. Schöpf, Darmstadt, Germany. Certain amino alcohols and ketones. 2,661,373, Dec. 1.

Külz, Ida, administratrix: *See*—
Külz, Fritz, and Schöpf.

Külz, Walburga, administrator: *See*—
Külz, Fritz, and Schöpf.

Kumins, Charles A., Tuckahoe, N. Y. Zirconium compound and method of precipitation. 2,630,370, Mar. 3.

Kummer, Theodore H., and R. E. Bodendoerfer, Milwaukee, Wis., assignors to Cherry-Burrell Corporation, Chicago, Ill. Receptacle filler and capper having receptacle carrier and capper indexing means. 2,650,012, Aug. 25.

Kummerman, Henri, Neuilly-sur-Seine, France. Means for operating hatch-covers aboard ship. 2,640,454, June 2.

Kummerman, Henri, Neuilly-sur-Seine, France. Handling of freight aboard ships. 2,654,488, Oct. 6.

Kump, Edward T., Euclid, Ohio. Handle. 2,656,210, Oct. 20.

Kump, Ernest J., Jr., Atherton, Calif. Building frame construction. 2,638,637, May 19.

Kump, Ernest J., Jr., San Francisco, Calif. School desk. 2,659,649, Nov. 17.

Kump, Henry, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Streamline vestibule connection. 2,636,447, Apr. 28.

Kumpf, August D., deceased, Philadelphia, Pa.; G. L. Entwisle, administratrix. Gutter support. 2,634,929, Apr. 14.

Kumpf, George A., Erlton, N. J., assignor to Radio Corporation of America. Shorting plug and wrench. 2,644,929, July 7.

Kumpfer, Beverly D., Spring Lake Heights, N. J., assignor to the United States of America as represented by the Secretary of the Army. Millimeter wave generator. 2,633,556, Mar. 31.

Kumpfer, Beverly D., Spring Lake Heights, N. J., assignor to the United States of America as represented by the Secretary of the Army. Directly heated cathode structure. 2,653,268, Sept. 22.

Kunath, Fred W., assignor to Kenney Manufacturing Company, Cranston, R. I. Curtain carrier. 2,627,625, Feb. 10.

Kündig, Werner: *See*—
Suter, Hans, Habicht, and Kündig.

Kunin, Robert: *See*—
Winters, James C., and Kunin.

Kunkel, Elzy O., assignor of one-half to W. E. Leigan, Great Bend, Kans. Combination space heater or cooler. 2,655,317, Oct. 13.

Kunkler, Harry G., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Suction cleaner conversion arrangement. 2,653,343, Sept. 29.

Kuntz, Elmer A. F., Chicago, Ill., assignor to Lien Chemical Company. Drinking box for rodents. 2,635,382, Apr. 21.

Kuntz, Irving: *See*—
Ross, Sidney D., and Kuntz.

Kuntz, Wellington W., Jr., Westfield, N. J., assignor to Air Reduction Company, Incorporated. Retort for heating the edge of skelp in the manufacture of welded pipe or tubing. 2,646,267, July 21.

Kuntz, William H., Grand Rapids, Mich., assignor, by mesne assignments, to AMI Incorporated. Balanced relay armature operated switch. 2,631,207, Mar. 10.

Kunz, Charles B.: *See*—
Babbitt, Bernard R., and Kunz.

Kunz, Karl J.: *See*—
Schöpf, Clemens, and Kunz.

Kunz, William J., Port Washington, N. Y., assignor to Combustion Engineering, Inc. Boiler furnace wall construction. 2,648,315, Aug. 11.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Polyvinyl acetate emulsion containing an acetic acid ester of glycerol. 2,628,948, Feb. 17.

Kupchick, Edward, Brooklyn, assignor to Benrus Watch Company, Inc., New York, N. Y. End clasp for bracelets or the like. 2,637,090, May 5.

Kupchick, Edward, Brooklyn, assignor to Benrus Watch Company, Inc., New York, N. Y. Retainer for initials or other indicia, and a watch construction containing same. 2,653,442, Sept. 29.

Kupchik, George J., assignee: *See*—
Douvan, Boris.

Kupchik, George J., Brooklyn, Ohio. Combined bootee drier and coat hanger. 2,630,950, Mar. 10.

Kuper, James B. H., Bayport, assignor to International Standard Electric Corporation, New York, N. Y. Microwave amplifier of the magnetron type. 2,640,951, June 2.

Kupiec, Harry P., Paramus, and E. G. Gravenhorst, Hasbrouck Heights, assignors to Air Associates, Inc., Teterboro, N. J. Nose wheel steering system for aircraft. 2,657,883, Nov. 3.

Kupka, John J., Gladstone, N. J. Heated pressure air-driven power plant. 2,653,448, Sept. 29.

Kupper, William H.: *See*—
Kloski, John F., and Kupper.

Kurek, Edwin J., assignor to The Pyle-National Company, Chicago, Ill. Pressure-displacement ventilating apparatus for architectural structures. 2,659,292, Nov. 17.

Kurek, Edwin J., assignor to The Pyle-National Company, Chicago, Ill. Modular pressure-displacement type ventilating apparatus. 2,662,463, Dec. 15.

Kurland, Jerome J., and J. J. Kurland, Chicago, Ill. Time delay circuits. 2,658,141, Nov. 3.

Kurland, Joseph J.: *See*—
Kurland, Jerome J., and J. J.

Kurland, Maurice L., assignee: *See*—
Kayser, Allan J.

Kurlandsky, Sam: *See*—
Coleman, Joseph J., and Kurlandsky.

Kurnick, Abraham, and L. Brownstein, assignors to Finkurn Enterprises, Inc., New York, N. Y. Film magazine. 2,628,545, Feb. 17.

Kurnick, Abraham, and L. Brownstein, assignors to Finkurn Enterprises, Inc., New York, N. Y. Film packet. 2,656,772, Oct. 27.

Kurry, John L., Albany, assignor of forty-nine per cent to S. E. Trimble, Watervliet, N. Y. Folding infant's crib. 2,626,407, Jan. 27.

Kurschner, Lloyd F., Minneapolis, Minn. Folding workbench for power tools. 2,662,566, Dec. 15.

Kurt, Anton, Jersey City, assignor to Anlo Inc., Newark, N. J. Article cleaning machine. 2,652,841, Sept. 22.

Kurt Korber & Co., K. G., assignee: *See*—
Kochalski, Horst.

Kurth, Ervin F., Corvallis, Oreg., assignor to State of Oregon, acting by and through the Oregon State Board of Forestry. Extraction of valuable products from bark. 2,662,893, Dec. 15.

Kurth, Franz J., Mamaroneck, assignor to Anemostat Corporation of America, New York, N. Y. Ventilating apparatus with heat exchanger. 2,634,107, Apr. 7.

Kurth, Franz J., New York, N. Y., L. R. Phillips, Teaneck, N. J., and W. J. Waeldner, Hawthorne, assignors to Anemostat Corporation of America, New York, N. Y. Air outlet device for heating, cooling, ventilating, or other purposes. 2,627,799, Feb. 10.

Kurth, Fred F., Bakersfield, Calif. Storage battery. 2,657,249, Oct. 27.

Kurth, Matthew G., Milwaukee, Wis. Hose coupling device for connection to unthreaded faucets. 2,654,618, Oct. 6.

Kurtz, Herman C., Medina, Ohio. Compensating hydraulic jaw. 2,660,440, Nov. 24.

Kurtz, Kerwin K., Stamford, and R. B. Booth, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Flotation of guanidine salts. 2,629,492, Feb. 24.
Kurtz, Lowell M., Erie, Pa., assignor to General Electric Company. Parallel compressor arrangement in refrigerating system. 2,663,164, Dec. 22.
Kurtz, Merrill P., Akron, Ohio. Awning and flashing strip therefor. 2,648,105, Aug. 11.
Kurz, Adolph, Union, N. J. Condiment dispenser. 2,627,992, Feb. 10.
Kurz, Fredrik W. A., Nybro, Sweden. Producing laminated sheets of glass. 2,652,660, Sept. 22.
Kurz-Kasch, Inc., assignee: *See*—
Bauman, Joseph J.
Kurzbin, Karl R., San Jose, Calif., assignor, by mesne assignments, to R. W. Ryder. Spraying machine. 2,661,242, Dec. 1.
Kurzenberger, Richard F.: *See*—
Farrington, Robert K. and T. B., and Kurzenberger.
Kurzweil, Robert, Kew Gardens, assignor to Morey Machinery Co. Inc., Astoria, N. Y. Tool slide arrangement. 2,656,752, Oct. 27.
Kusa, Henry J., Maple Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Analytical apparatus for determination of sulfur. 2,634,360, Apr. 7.
Kuschel, Richard J.: *See*—
Adkins, Robert T., and Kuschel.
Kush, Arthur J., San Antonio, Tex. Necktie knot form. 2,628,360, Feb. 17.
Kush, Warren J.: *See*—
Atwood, Seth B., and Kush.
Kushner, Minna, Almonesson, N. J., assignor of fifty per cent to J. E. Goldberg, Philadelphia, Pa. Luggage construction. 2,628,694, Feb. 17.
Kushner, Samuel: *See*—
Boothe, James H., and Kushner.
Dalalian, Harry P., and Kushner.
Kushner, Samuel, Nanuet, assignor to American Cyanamid Company, New York, N. Y. 1-piperazyl-4-methylthioxanthones and preparing same. 2,656,357, Oct. 20.
Kuster, Harry B., assignor to Converto Mfg. Co., Inc., Cambridge City, Ind. Trailer individual wheel suspension. 2,640,706, June 2.
Kuster, Otto R.: *See*—
Talmey, Paul, and Kuster.
Kuster, Otto R., Brooklyn, and R. C. Ried, Carle Place, assignors to Knowles Associates, New York, N. Y. Transmission and reaction torque device. 2,649,816, Aug. 25.
Kuster, Werner, assignor to J. R. Geigy A. G., Basel, Switzerland. Monoazo dyestuffs. 2,633,463, Mar. 31.
Kuster, Werner, assignor to J. R. Geigy A. G., Basel, Switzerland. Pyrazolone monoazo dyestuffs. 2,659,720, Nov. 17.
Kutcher, Charles A., Sheridan, Wyo. Spark arrester for steam locomotives. 2,624,503, Jan. 6.
Kutcka, Charles, Los Angeles, Calif. Combination floor molding and electric conduit structure. 2,647,242, July 28.
Kut-Kwick Tool Corp., assignee: *See*—
Pomeroy, Harold R.
Kutosh, Stephen: *See*—
Denkewalter, Robert G., Hughey, and Kutosh.
Kutosh, Stephen, Kenilworth, G. B. Hughey, Metuchen, and R. S. Malcolmson, Cranford, assignors to Merck & Co. Inc., Rahway, N. J. Vitamin B_{12}-active substance elution from montmorillonite absorbents. 2,626,888, Jan. 27.
Kutosh, Stephen, Kenilworth, G. B. Hughey, Orange, N. J., and R. S. Malcolmson, Riverside, Pa., assignors to Merck & Co., Inc., Rahway, N. J. Vitamin B_{12}-active substance elution from montmorillonite absorbent. 2,643,210, June 23.
Kutschera, Vigo V., Spillmacheen, British Columbia, Canada. Ski binding. 2,655,386, Oct. 13.
Kutzer, Henry A., Chicago, Ill. Safety device for motor vehicles with automatic transmissions. 2,626,003, Jan. 20.
Kutzler, Robert J.: *See*—
Chudyk, Alex B., and Kutzler.
Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flight control apparatus. 2,633,313, Mar. 31.
Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus for aircraft. 2,634,925, Apr. 14.
Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic steering apparatus. 2,647,233, July 28.
Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety device. 2,648,734, Aug. 11.
Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety device. 2,652,065, Sept. 15.
Kutzler, Robert J., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic steering mechanism. 2,659,041, Nov. 10.
Kutzler, Robert J., Richfield, and D. G. Taylor, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic steering apparatus. 2,646,947, July 28.
Kuwayama, Masatoshi, Taga, assignor to Hitachi Limited, Tokyo, Japan. Bushing type circuit interrupter. 2,650,972, Sept. 1.
Kuwayama, Masatoshi, Taga, assignor to Hitachi Limited, Chiyoda-Ku, Tokyo, Japan. High speed trip device for electric circuit breakers. 2,662,136, Dec. 8.
Kuyudjian, Arsen M., assignee: *See*—
Skaggs, Arthur G.
Kuzela, Joseph F.: *See*—
Earle, Ralph H., Kuzela, and Schultz.
Kuzell, Charles R., Douglas, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Feeding furnaces. 2,657,990, Nov. 3.
Kuzinski, Adolph, Passaic, N. J. Lateral web control. 2,635,826, Apr. 21.
Kuzmick, Jerome F., Upper Montclair, N. J., assignor to Ekstrand & Tholand Inc., New York, N. Y. Plated bearing and the manufacture thereof. 2,664,326, Dec. 29.
Kuzmick, Joseph N., Clifton, assignor to Conmar Products Corporation, Newark, N. J. Plastic slide fastener. 2,650,402, Sept. 1.
Kuzmitz, Frank V.: *See*—
Dray, Walter L., and Kuzmitz.
Waterman, Herbert C., and Kuzmitz.
Kvalnes, Hamline M.: *See*—
Bruner, Walter M., and Kvalnes.
Kvalnes, Hamline M., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Viscous urea-formaldehyde compositions and preparing the same. 2,625,524, Jan. 13.
Kvasnicka, Erich: *See*—
Kratzl, Karl, and Kvasnicka.
Kvasnok, Eunyce M.: *See*—
Kvasnok, John D. and E. M., and Cutler.
Kvasnok, John D. and E. M., North Miami, and A. B. Cutler, Miami, Fla. Frusto-conical container. 2,656,969, Oct. 27.
Kwartler, Charles E., Albany, assignor to Winthrop-Stearns Inc., New York, N. Y. N-(n-tetradecyl)-N-(3,4 - methylenedioxybenzyl) - N,N - dimethylammonium chloride and preparation thereof. 2,647,130, July 28.
Kwartler, Charles E., Albany, assignor to Winthrop-Stearns Inc., New York, N. Y. N-(n-dodecyl)-N-(3,4-dichlorophenethyl)-N,N-dimethyl ammonium compounds. 2,664,444, Dec. 29.
Kwartler, Charles E., Albany, N. Y., and P. Lucas, Watertown, Mass., assignors to Winthrop-Stearns Inc., New York, N. Y. 4-acylamino-1-alkyl-4-phenylpiperidines and making same. 2,634,275, Apr. 7.
Kwasniewski, George A., Moundview Township, Ramsey County, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Centering device. 2,625,050, Jan. 13.
Kwasniewski, George A., Moundview Township, Ramsey County, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Selector switch. 2,639,338, May 19.
Kwasnik, Irving, Passaic, N. J., and L. Endzweig, New York, N. Y. Inflatable sound producing animal toy. 2,633,665, Apr. 7.
Kwasnik, Walter, Leverkusen-Bayerwerk, assignor to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany. Fluorination of chlorine containing derivatives of paraffin hydrocarbons. 2,658,927, Nov. 10.
Kwiecinski, Edmund A., assignee: *See*—
Bethke, Harvey R.
Kwikform Limited, assignee: *See*—
Hawes, Albert H.
Kwikset Locks, Inc., assignee: *See*—
Schoepe, Adolf, and Sinclair.
Kwik-tite, Incorporated, assignee: *See*—
Stonestreet, Lois H.
Kyame, George J.: *See*—
Mayer, Mayer Jr., and Kyame.
Kyhl, Robert L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Tunable magnetron circuit. 2,659,028, Nov. 10.
Kyker, Pauline H.: *See*—
Hudziak, Alberta I., and Kyker.
Kyle, H. A., assignee: *See*—
Caldwell, Oscar D.
Kyle, N. T., assignee: *See*—
Harry, William R.
Kyle, William D., Jr., assignor to McGraw Electric Company, Milwaukee, Wis. Combination fuse cutout and switch. 2,662,947, Dec. 15.
Kylin, Henrik O., assignor to Bardons and Oliver, Inc., Cleveland, Ohio. Automatic head for machine tools. 2,641,938, June 16.
Kymin Osakenytio-Kymmene Aktiebolag, assignee: *See*—
Kyrklund, Gunnar.
Kyrides, Lucas P., Zeeland, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. N-alpha-thenyl anilines. 2,624,743, Jan. 6.
Kyrides, Lucas P., Zeeland, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. N-alkyl-N-alpha-thenyl anilines. 2,629,720, Feb. 24.
Kyrides, Lucas P., Zeeland, Mich., and F. B. Zienty, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing a monobasic salt of a secondary amine. 2,634,293, Apr. 7.

Kyrklund, Gunnar, assignor to Kymin Osakeyhtio-Kymmene Aktiebolag, Kuusankoski, Finland. Method in sulfite pulping for obtaining concentrated waste liquor. 2,639,986, May 26.
Kysor Heater Company, assignee: *See*—
Baldinus, Joseph.
Kyte, George H.: *See*—
Sedgfield, Hugh B., Summerlin, and Kyte.
Kytola, Almo J., Park River, N. Dak. Vehicle push block attachment. 2,646,287, July 21.
L & M Engineering Corp., assignee: *See*—
McShane, John F., and Logan.
La Cellophane, assignee: *See*—
Geffroy, Georges.
La Nationale S. A., assignee: *See*—
Bolle, Léon.
La Radio Industrie S. A., assignee: *See*—
De France, Henri G.
Mandel, Paul.
Laabs, William G.: *See*—
Kircher, Ralph N., and Laabs.
Laaketehdas Orion Oy, assignee: *See*—
Ouperoff-Urne, Vasili.
Laakso, Thomas T. M.: *See*—
Allen, Charles F. H., and Laakso.
La Barbera, Mannie, Mount Vernon, N. Y. Display sign construction. 2,652,651, Sept. 22.
La Barre, George D.: *See*—
Vogel, Max R., La Barre, and Perry.
Labastie, Albert H., West Medford, Mass., assignor to General Electric Company. Clutch and brake mechanism for dynamoelectric machines. 2,646,520, July 21.
Labbe, Roy J., Baltimore, Md. Coin dispensing machine. 2,644,470, July 7.
Labbee, Joseph A., Jr., Providence, R. I. Screw taper drill attachment. 2,655,964, Oct. 20.
La Beck, Aldan J., and L. E. Hoy, Clatskanie, Oreg. Gearing. 2,628,506, Feb. 17.
La Belle Industries, Inc., assignee: *See*—
Birbaum, Lester W.
Labens, John C., Jr., University City, Mo., assignor to McGraw Electric Company, Elgin, Ill. Protectors for electric circuits. 2,648,739, Aug. 11.
Laber, Ernest J., Irwin, Pa., assignor to Westinghouse Air Brake Company. Compression gasket having means for indicating when improperly positioned. 2,661,245, Dec. 1.
La Bille, Joseph A., Chicago, Ill. Toe correction device. 2,636,491, Apr. 28.
Labin, Emile, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulsed radio remote-control system. 2,645,771, July 14.
Labin, Emile, New York, S. Frankel, Forest Hills, and M. Silver, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Local transmitter frequency control circuit. 2,641,693, June 9.
Labino, Dominick, Maumee, assignor to Glass Fibers, Inc., Waterville, Ohio. Apparatus and method for mixing molten glass. 2,641,454, June 9.
Labino, Dominick, Maumee, assignor to Glass Fibers, Inc., Toledo, Ohio. Producing glass fibers and bonded mat. 2,663,906, Dec. 29.
Labino, Dominick, Waterville, assignor to Glass Fibers, Inc., Toledo, Ohio. Making glass paper. 2,658,848, Nov. 10.
Labino, Dominick, Maumee, Ohio, and V. G. Politsch, Alton, Ill., assignors to Owens-Illinois Glass Company. Liquid level motor control system. 2,645,749, July 14.
Labitska, Charles W.: *See*—
Spalding, John T., and Labitska.
Läbler, Ludvik: *See*—
Fučik, Karel, and Läbler.
La Bore, Anthony C., Bridgeport, Conn. Holder for roasting frankfurters, corn on cob, and the like. 2,642,796, June 23.
La Bore, Walter T., assignor to Pitney-Bowes, Inc., Stamford, Conn. Letter feed and separator device. 2,635,874, Apr. 21.
Labouygues, Jean A., Messeix, France. Classifier for solid bodies carried in a fluid stream. 2,660,305, Nov. 24.
La Brie, Laurent J., Rye, and J. E. Fenn, Oceanside, assignors to Oxy-Dry Sprayer Corporation, New York, N. Y. Antioffset powder and preparing same. 2,647,892, Aug. 4.
La Briere, Nelson W., Canton, assignor to The Hoover Company, North Canton, Ohio. Floor polishing attachment for suction cleaners. 2,658,226, Nov. 10.
Labriola, Minnie O., assignee: *See*—
Labriola, Nicholas C., and Adamec.
Labriola, Nicholas C., Youngstown, Ohio, and G. Adamec, Bronx, N. Y., said Adamec assignor to M. O. Labriola. Utility master power unit. 2,652,690, Sept. 22.
La Burthe, Pierre H., assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Manufacture of glass. 2,658,093, Nov. 3.
Labus, Otto A.: *See*—
Trane, Reuben N., and Labus.
Labus, Otto A., assignor to The Trane Company, La Crosse, Wis. Adjustable air distributor. 2,656,782, Oct. 27.
Lacelle, Joseph P., Sudbury, Ontario, Canada. Bearing adjusting means for cylindrical cutters. 2,630,150, Mar. 3.
Lacey, Edward D., Fairmount, Ga., assignor to Russell-Lacey Manufacturing Company. Pile fabric. 2,662,227, Dec. 15.
Lacey, Richard N., Hull, assignor to British Industrial Solvents Limited, London, England. Production of pyrrolinones. 2,660,583, Nov. 24.
Lacey, William M., Medford, Mass., assignor to Sylvania Electric Products Inc. Dry-plate rectifier. 2,647,227, July 28.
Lacey, William N.: *See*—
Sage, Bruce H., and Lacey.
Lach, John, Chicago, Ill., assignor to Uarco Incorporated. Folding machine for continuous strips of stationary. 2,643,878, June 30.
Lachaise, Jean C. H., Vitry-sur-Seine, France. Prestressed reinforced concrete floor beam. 2,631,450, Mar. 17.
Lachampt, Felix L., Franconville, France, assignor to Union Francaise Commerciale et Industrielle, Casablanca, Morocco. Continuous purification of soap. 2,653,958, Sept. 29.
La Chapelle, Albert L., assignee: *See*—
La Chapelle, Euclid I.
La Chapelle, Beatrice H., assignee: *See*—
La Chapelle, Euclid I.
La Chapelle, Euclid I., assignor of one-fourth to A. L. La Chapelle, one-fourth to B. H. La Chapelle, and one-fourth to R. E. La Chapelle, Brockton, Mass. Lasting shoes. 2,632,189, Mar. 24.
La Chapelle, Rachel E., assignee: *See*—
La Chapelle, Euclid I.
Lacher, John M., Omaha, Nebr., assignor to Lacher Products Inc. Cable take-up device. 2,634,471, Apr. 14.
Lacher Products Inc., assignee: *See*—
Lacher, John M.
Lackinger, Frank P., McKees Rocks, Pa. Apparatus for bleeding air and replacing liquid in hydraulic brake systems. 2,645,314, July 14.
Laclede Steel Company, assignee: *See*—
Weber, Adolph C.
La Coe, Ralph D., Jr., San Diego, Calif. Projector temperature indicating slide. 2,655,810, Oct. 20.
Lacomble, Antoine E., San Francisco, G. W. Hearne, and D. S. La France, Richmond, assignors to Shell Development Company, San Francisco, Calif. Halo-substitution of organic compounds. 2,643,272, June 23.
La Coste, Lucien J. B., Austin, Tex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electronic aircraft gun fire control computer. 2,624,510, Jan. 6.
Lacoursiere, Ernest A., Pawtucket, R. I. Identification holder. 2,640,287, June 2.
Lacout, Georges A., assignor to Societe Civile d'Etudes pour la Fabrication de Produits Industriels Manufactures (S. E. P. I. M.), Paris, France. Domestic chopping device for vegetable. 2,648,365, Aug. 11.
La Crosse Trailer Corporation, assignee: *See*—
Duffy, Edward F.
Lacy, Charles J., Olivette, Mo. Interlocking bricks. 2,641,921, June 16.
Lacy, John P., Pittsburgh, Pa. Winow wiper. 2,644,187, July 7.
Lacy, Mack B., Marshall, Mo. Clothesline reel. 2,635,828, Apr. 21.
Lacy, Richard C., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Milling fixture. 2,652,750, Sept. 22.
Ladd, Allan L., and M. L. Speckman, Sleepy Eye, Minn. Drier. 2,634,513, Apr. 14.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Esters of alpha-acyl-alpha-naphthoquinonyl-succinic acid and process. 2,628,239, Feb. 10.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Alkyl esters of phosphono bis beta cyanoethyl acetic acid and acetic acid nitrile. 2,632,019, Mar. 17.
Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Reacting alpha, alpha-polyhalogenated alkanals and organo-phosphorus compounds and products resulting therefrom. 2,631,162, Mar. 10.
Ladd, Elbert C., Passaic, and H. Sargent, Wood-Ridge, N. J., assignors to United States Rubber Company, New York, N. Y. Coupled products. 2,644,835, July 7.
Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Preparing tetraalkyl esters of 1,2-ethanediphosphonic acid. 2,651,656, Sept. 8.
Ladd, Elbert C., Passaic, and H. Sargent, Glen Rock, N. J., assignors to United States Rubber Company, New York, N. Y. Preparation of 2,2,3,3-tetrachlorobutane. 2,651,664, Sept. 8.
Ladd, Elbert C., Passaic, N. J., and H. Sargent, San Anselmo, Calif., assignors to United States Rubber Company, New York, N. Y. Production of halogeno fatty acid esters. 2,655,521, Oct. 13.
Ladd, Elbert C., Passaic, and H. Sargent, Glen Rock, N. J., assignors to United States Rubber Company, New York, N. Y. 1,1,6,6-tetrachloro-1,5-hexadiene. 2,658,929, Nov. 10.
Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Dialkyl 3-dodecyloxypropane-1-phosphonate. 2,664,438, Dec. 29.

Ladd, Floyd R., Waverly, Iowa. Pump. 2,629,328, Feb. 24.

Ladish Co., assignee: *See*—
Gaum, Gilbert A.

Lado, Anthony L., assignor, by mesne assignments, to Rome Grader Corporation, Rome, N. Y. Wheel mounting assembly. 2,625,232, Jan. 13.

Ladrach, Aaron G., deceased, late of Akron, Ohio, by D. B. Ladrach, administratrix, Akron, Ohio, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Electromagnetic gauging equipment. 2,641,841, June 16.

Ladrach, Dorothy B., administratrix: *See*—
Ladrach, Aaron G.

Laemmel, Arthur E., assignor to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Mode filtered cutoff attenuator. 2,659,870, Nov. 17.

Laemmel, Charles H., assignor, by mesne assignments, to The Sheffield Corporation, Dayton, Ohio. Automatic pull-off or yoke operated die head. 2,663,033, Dec. 22.

Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Electron emitter. 2,639,399, May 19.

Lafferty, James M., Schenectady, N. Y., assignor to General Electric Company. Boride cathodes. 2,659,685, Nov. 17.

Laffoon, Charles A., Miami, Fla., assignor to Aeroquip Corporation, Jackson, Mich. Hose covering stripping tool. 2,641,944, June 16.

La Fitte, George A., Atlanta, Ga. Sound reproducer attachment for headrests. 2,629,023, Feb. 17.

La Flame, Frank E.: *See*—
Warrick, Leland K., and La Flame.

La Fontaine, Leon L., Spokane, Wash., and F. H. Neuman, Coeur d'Alene, Idaho. Fishing line meter. 2,637,112, May 5.

La Forge, Frederick B.: *See*—
Schechter, Milton S., and La Forge.

La Forte, Michael J., Park Ridge, assignor to Vaughan Mfg. Co., Chicago, Ill. Can opener. 2,662,280, Dec. 15.

La Fountaine, Timothy, J., Detroit, Mich. Sign structure. 2,655,749, Oct. 20.

La France, David J., Cambridge, Mass., assignor to George C. Holt, Inc. Sack collapsing mechanism for fountain pens. 2,636,477, Apr. 28.

La France, Donald S.: *See*—
Lacomble, Antoine E., Hearne, and La France.

Lagaard, Alexander S. T., assignor to R. F. Tickle, Minneapolis, Minn. Adjustable joist. 2,626,688, Jan. 27.

Laganis, Deno: *See*—
Meeske, Charles J., and Laganis.

Lagant, Silas P., Pocahontas, Ill. Flexible shaft driven tree trimmer powered by a motor towed by the operator. 2,653,957, Oct. 20.

Lagardère, Alberto, assignor to J. B. Tivollier, Barcelona, Spain. Power indicating apparatus for internal-combustion engines or motors provided with governor. 2,652,046, Sept. 15.

Lagarias, John S.: *See*—
Hewitt, George W., and Lagarias.

Lagelbauer, Ernest, New York, N. Y. Direpeller and speed control therefor. Re. 23,639, Mar. 31.

Lagelbauer, Ernest, New York, N. Y. Cooling system for gas turbine blading. 2,626,502, Jan. 27.

Lagemann, Robert J., Brooklyn, N. Y. Container closure having spring biased slidable dispensing valve. 2,652,177, Sept. 15.

Lager, Edward J., Davenport, Iowa. Base seal structure for burial vaults. 2,649,644, Aug. 25.

Lager, Eric W., Palos Park, H. E. Haase, Chicago, and J. J. Prohaska, La Grange, Ill., assignors to Swift & Company. Adhesive applier for fiber containers. 2,642,031, June 16.

Lagin, Herbert, New York, N. Y. Means for mounting lamp shades on lamp harps. 2,658,990, Nov. 10.

Lago, Antonio, Bayonne, N. J. Television antenna. 2,640,934, June 2.

La Grange, Robert H., assignee: *See*—
Truesdell, John G.

Lagrange, Victor E., Lake Charles, La. Heating apparatus for fuel tanks. 2,655,792, Oct. 20.

Lagrange, Victor E., Lake Charles, La., and D. J. Parmesan, Houston, Tex., assignors, by mesne assignments, to Chiksan Company, Brea, Calif. Control apparatus for discharge valves. 2,663,459, Dec. 22.

La Greca, Frank, Philadelphia, Pa. Serving dish. 2,650,485, Sept. 1.

Laguzzi, Mario, assignor to Poirette Corsets, Inc., New York, N. Y. Foundation garment. 2,628,354, Feb. 17.

Laguzzi, Mario, assignor to Poirette Corsets, Inc., New York, N. Y. Foundation garment. 2,628,355, Feb. 17.

Laher, Frank J., Orinda, assignor to Laher Spring & Tire Corporation, Oakland, Calif. Vehicle spring. 2,635,870, Apr. 21.

Laher Spring & Tire Corporation, assignee: *See*—
Laher, Frank J.

Lahonen, Toivo, The Pas, Manitoba, assignor of one-half to L. W. Bennett, Port Arthur, Ontario, Canada. Dispenser for poison grain and the like. 2,663,464, Dec. 22.

Lahousse, Joseph E. G.: *See*—
Casati, Lucienne A. M., Gonnard, and Lahousse.
Gonnard, Jean L., and Lahousse.

Lalir, Carolyn, assignee: *See*—
Tuck, James A.

Lahti, Anard A., Auburn, assignor of fifty percent to F. G. Ayers, Dash Point, Wash. Method and means for hot-air radiant heating. 2,629,309, Feb. 24.

Laible, Ray A., assignor of one-half to Henney Motor Company, Inc., Freeport, Ill. Automobile door hinge. 2,651,805, Sept. 15.

Laidig, Alfred H., Bloomfield, and G. S. Evans, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arcuate discharge lamp and socket. 2,652,483, Sept. 15.

Laing, Gordon F., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Fishing reel. 2,624,524, Jan. 6.

Laing, Gordon F., Delavan, Wis., assignor to Economy Fuse and Manufacturing Co., Chicago, Ill. Renewable fuse. 2,644,872, July 7.

Laing, Gordon F., Delavan, Wis., assignor to Economy Fuse and Manufacturing Co., Chicago, Ill. Lag fuse. 2,657,294, Oct. 27.

Laing, John, & Son Limited, assignee: *See*—
Laing, John W., and Starnes.
Starnes, Peter E.

Laing, John W., Mill Hill., London, and P. E. Starnes, Boreham Wood, assignors to John Laing & Son Limited, London, England. Apparatus for measuring and/or controlling the consistency of a paste or slurry. 2,629,790, Feb. 24.

Lair, Jean-Baptiste: *See*—
Aigrain, Pierre R., and Lair.

Lair, Jean J. B., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electrical intercommunication system. 2,651,677, Sept. 8.

Lair, Julien J. B., assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Electron switching device. 2,651,740, Sept. 8.

L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude: *See*—
Godillon, Raymond.

L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*—
Bassot, André, Daynié, and de Sancy.
Bonnaud, Henri.
Etienne, Alfred.
Le Renard, Louis G. M.
Pennecot, Jean.
Voleau, Jules P.
Volff, Charles, and Bogatenkoff.

Laird, John A., Coventry, assignor to Joseph Lucas Limited, Birmingham, England. Electric spark ignition apparatus for internal-combustion engines. 2,638,565, May 12.

Laird, John A., Coventry, assignor to Joseph Lucas Limited, Birmingham, England. Electric spark ignition apparatus. 2,655,617, Oct. 13.

Laird, Ona B., assignee: *See*—
Foster, John C., Sr.

Laird, T. J., Equipment Corporation, assignee: *See*—
Laird, Thomas J.

Laird, Thomas J., assignor to T. J. Laird Equipment Corporation, Buffalo, N. Y. Mixer. 2,628,081, Feb. 10.

Laird, William A., Long Beach, and P. L. Greathead, South Gate, Calif.: said Greathead assignor to said Laird. Vacuum bottle closure device. 2,633,261, Mar. 31.

Lajeunesse, François, assignor to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France. Device for stabilizing the orientation of gyroscopes. 2,633,029, Mar. 31.

Lajeunesse, Joseph W., assignee: *See*—
Normand, Wilfrid.

La John, James F., Erie, Pa. Noisemaking novelty device. 2,631,852, Mar. 17.

Lakatos, Emory, Cranford, and B. McMillan, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thermistor control circuit. 2,625,606, Jan. 13.

Lakatos, Louis L., Philadelphia, Pa., assignor to Radio Corporation of America. Gating circuit. 2,632,104, Mar. 17.

Lakatos, Louis L., Philadelphia, Pa., assignor to Radio Corporation of America. Tuning indicator for frequency shift signals. 2,636,086, Apr. 21.

Lake, Clair D., Binghamton, D. R. Platt and J. A. Weidenhammer, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Sheet feeding machine. 2,631,037, Mar. 10.

Lake, Clair D., Binghamton, L. A. Wilson, Vestal, D. R. Platt, Endicott, and B. M. Durfee, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,658,682, Nov. 10.

Lake, Ernest T.: *See*—
Hardgrove, Robert R., and Lake.

Lake, Ernest T., and R. R. Hardgrove, Livingston, Mont. Adjustable peep sight for firearms. 2,646,625, July 28.

Lake, Eugene T., Brodheadsville, Pa. Slate splitting machine. 2,626,597, Jan. 27.

Lake, Eugene T., Brodheadsville, Pa. Process and apparatus for producing slate shingles or the like. 2,654,358, Oct. 6.

Lake, Eugene T., Brodheadsville, Pa. Work support attachment for sewing machine tables. 2,660,496, Nov. 24.

Lake, Harry F., West Dearborn, Mich. Metal archer's bow. 2,664,079, Dec. 29.

Lake, Irving A., Mount Vernon, N. Y., assignor to Orajet Corporation, Wilmington, Del. Hose coupling. 2,626,167, Jan. 20.

Lake, James, Jr., Brooklyn, N. Y. Tool for making joints in lead pipe. 2,649,127, Aug. 18.

Lake, Lillian M., Manhattan Beach, Calif. Sock drier. 2,639,845, May 26.

Lake, William H., Muskegon, Mich. Method and device for controlling electrical demand. 2,628,318, Feb. 10.

Lake City Malleable Company, The, assignee: *See*—
Micksch, Joseph E.

Lake Erie Engineering Corporation, assignee: *See*—
Hoffmann, Otto.

Lake Shore Engineering Company, assignee: *See*—
Finlay, Alexander, and Clark.
Hoyle, Albert C., and Knutson.

Lakeside Laboratories Inc., assignee: *See*—
Foreman, Emanuel L.
Rowland, Ralph L.

Lakeside Steel Improvement Company, The, assignee: *See*—
Derhammer, Cline R.

Lake State Products, Inc., assignee: *See*—
Hollerith, Charles.

Lakewood Manufacturing & Engineering Co., assignee: *See*—
Parker, Frank H.

Lakin, Hubert W.: *See*—
Stevens, Rollin E., Lakin, and Mullins.

Lakjer, Earl E.: *See*—
Hart, John V., and Lakjer.

Lakso, Lauri A., Leominster, Mass., assignor to General Electric Company. Stem-sealed valve with multiple actuating means. 2,663,318, Dec. 22.

Laksonen, Edward A., assignee: *See*—
Murray, Michael F.

Laksonen, Letha M., assignee: *See*—
Murray, Michael F.

Lalande, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Retardation line subdivided into sections. 2,651,760, Sept. 8.

La Lande, William A., Jr., Plymouth Meeting, and I. Mockrin, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Making inorganic fluorine-containing compounds of aluminum. 2,659,657, Nov. 17.

La Lande, William A., Jr., Plymouth Meeting, and I. Mockrin, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Producing metal fluorides. 2,659,658, Nov. 17.

Lallier, Cécile, nee Leblanc, Granby, Quebec, Canada. Means for raising and lowering a center leaf in extension tables. 2,657,108, Oct. 27.

La Lone, Ralph, Detroit, Mich. Bending and shearing machine. 2,655,192, Oct. 13.

Lamac Process Company, assignee: *See*—
Suerken, Maxwell C.

Lamagna, Vincent, Rutherford, N. J. Automatically closing cap for collapsible tubes of cream. 2,655,293, Oct. 13.

La Maida, Thomas, University Heights, Ohio. Graduation cap. 2,629,874, Mar. 3.

La Mantia, Marion C., Detroit, Mich. Pliers holster. 2,664,231, Dec. 29.

Lamar, Charles C., assignor to Harper-Wyman Company, Chicago, Ill. Gas burner flash tube ignition apparatus. 2,625,993, Jan. 20.

Lamar, Charles C., assignor to Harper-Wyman Company, Chicago, Ill. Gas valve. 2,632,467, Mar. 24.

Lamar, Charles C., assignor of one-fourth to P. S. Harper and one-fourth to C. L. Harper, Chicago, Ill., one-fourth to Harris Trust and Savings Bank, as trustee of the Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank as trustee of the Carolyn L. Harper Trust. Gas valve. 2,632,469, Mar. 24.

Lamar, Charles C., assignor of one-fourth to P. S. Harper, one-fourth to C. L. Harper, one-fourth to Harris Trust and Savings Bank, Chicago, Ill., as trustee for The Philip S. Harper Trust, and one-fourth to said Harris Trust and Savings Bank as trustee for The Carolyn L. Harper Trust. Multiple gas burner head. 2,640,531, June 2.

La Marche, Austin W., Prospect Heights, Ill. Electrical converter. 2,651,018, Sept. 1.

La Marquise Footwear, Inc., assignee: *See*—
Nappi, Joseph.

La Marr, John E., Torrance, Calif. Combination brake and steering attachment for toboggans. 2,664,174, Dec. 29.

La Marre, Roger R., assignor to Aeroquip Corporation, Jackson, Mich. Flareless rigid tube end fitting. 2,641,487, June 9.

Lamason, Robert H.: *See*—
Bergstedt, Milton A., and Lamason.

Lamb, Anthony H., Hillside, N. J. Combination radio and fire alarm. 2,632,155, Mar. 17.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relative humidity indicators of the wet and dry bulb thermometer type. 2,633,024, Mar. 31.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical thermometer for measuring high temperatures. 2,648,983, Aug. 18.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Temperature indicator. 2,651,203, Sept. 8.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Bimetallic thermometer mounting for double-walled tanks. 2,652,725, Sept. 22.

Lamb, Clyde C., Milwaukie, Oreg. Furniture made of stamped or molded material and adapted for nesting. 2,642,118, June 16.

Lamb Electric Company, The, assignee: *See*—
Spielman, Milton H.

Lamb, Eugene J.: *See*—
Gardinor, Elliott W., Johnson, and Lamb.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical instrument with permanent magnet cores. 2,650,349, Aug. 25.

Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Sealed instrument. 2,654,070, Sept. 29.

Lamb, Fredrick S., Cleveland Heights, Ohio, assignor to General Electric Company. Electric terminal connector. 2,627,048, Jan. 27.

Lamb, Fredrick S., Cleveland Heights, and H. E. Hermanson, East Cleveland, Ohio, assignors to General Electric Company. Electric terminal connector. 2,650,353, Aug. 25.

Lamb, George E., Hoquiam, Wash. Vertical conveyer. 2,626,040, Jan. 20.

Lamb, Harry, Madison, Wis., assignor to C. M. Ambrose Company, Seattle, Wash. Strainer mechanism for liquids. 2,627,979, Feb. 10.

Lamb, Miles A., Chicago, J. J. Klein, Glencoe, W. C. Stranberg, Elmhurst, and J. H. Frankowski, Chicago, Ill., assignors to Chicago Pump Company. Making corrugated tubes. 2,641,830, June 16.

Lamb, Ollo: *See*—
Kochner, William B., and Lamb.

Lamb, Ollo, assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Regulator valve. 2,649,661, Aug. 25.

Lamb, Wade, Wayne, Mich., assignor, by mesne assignments, to National Rubber Machinery Company, Akron, Ohio. Garbage grinder. 2,643,066, June 23.

Lamb, Wade, assignor to F. L. Jacobs Co., Detroit, Mich. Fuel pump diaphragm mounting. 2,661,767, Dec. 8.

Lamb, Willis E., Jr., New York, N. Y., assignor to United States of America as represented by the Secretary of War. Closed end magnetron. 2,639,407, May 19.

Lambach, Adolf H., Chicago, Ill. Vehicle tire. 2,634,779, Apr. 14.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Straight bar knitting machine. 2,629,993, Mar. 3.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Warp knitting machine. 2,635,443, Apr. 21.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Warp knitting machine. 2,645,106, July 14.

Lambach, Fritz, Tenafly, assignor to Robert Reiner, Inc., Weehawken, N. J. Beaming machine. 2,645,838, July 21.

Lambe, Thomas W.: *See*—
De Mello, Victor F. B., Hauser, and Lambe.

Lambert Brake Corporation, assignee: *See*—
Lambert, Homer T.
Myers, Claude R., Dasse, and Bassett.
Zindler, Roger R.

Lambert Company, The, assignee: *See*—
Winslow, Charles H., Jr., and Williston.

Lambert, Frank, Jr., West Newton, and C. E. Crede, Winchester, Mass., assignors to The Barry Corporation. Vibration isolator. Re. 23,743, Nov. 24.

Lambert, George E., Jr., Lanikai, Oahu, Hawaii. Vehicle wheel mounting. 2,632,674, Mar. 24.

Lambert, Harry L., Rochester, N. Y., assignor to Commercial Controls Corporation. Mail marking machine for sheets or tapes. 2,639,665, May 26.

Lambert, Harry L., Rochester, N. Y., assignor to Commercial Controls Corporation. Trip means for rotary metered mailing machines. 2,660,950, Dec. 1.

Lambert, Harry L., Webster, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Totalizer control mechanism for multiple totalizer adding-subtracting machines. 2,654,537, Oct. 6.

Lambert, Henri J. M., Sevres, and G. P. Mongin, Saint-Gratien, France. Device for the automatic return of doors and the like pivoting members. 2,626,420, Jan. 27.

Lambert, Henri J. M., Sevres, and G. P. Mongin, St. Gratien, France. Sliding shelf or drawer support. 2,639,042, May 19.

Lambert, Henry G.: *See*—
Smith-Petersen, Nils O., Patscheider, and Lambert.

Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Servo-acting disk brake. 2,633,943, Apr. 7.

Lambert, Kermit N.: *See*—
Ness, Odvar, and Lambert.

Lambert, Marion L. J., assignee: *See*—
Thompson, Parke H.

Lambert, Roger E.: *See*—
Arbeit, Pierre, Dubois, and Lambert.

Lambert, Roger E., assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Method and apparatus for the manufacture of glass by electric heating. 2,636,913, Apr. 28.

Lambert, Vermund J., Proctor, Minn. Fishing device. 2,629,962, Mar. 3.

Lamberty, Frank J., Fox Lake, Ill. Radial back-off process and apparatus for grinders. 2,647,352, Aug. 4.

Lambrech, Joseph A., South Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. 3,5-dimethylphenoxyenthanol,4-chloro-3,5-dimethylphenoxyethanol and their use as systemic fungicides for plants. 2,626,227, Jan. 20.

La Mere, Frank J.: *See*—
Johnson, Kermit F., La Mere, and Winzen.

La Mere, Frank J., K. F. Johnson, and O. C. Winzen, Minneapolis, Minn., assignors to General Mills, Inc. Apparatus for balloon construction. 2,635,671, Apr. 21.

Laminated Lumber Products, Inc., assignee: *See*—
Wickel, Victor J.

Lamm, Lewis J., assignor to General Motors Corporation, Detroit, Mich. Electrostatic spray painting apparatus. 2,626,589, Jan. 27.

Lammertse, Meindert, Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Lateral stretching of thermoelastic films. 2,626,422, Jan. 27.

Lammerz, Ernst, Essen, and H. Herrmann, Kettwig, assignors to Fried. Krupp Lokomotivfabrik, Essen, Germany. Twin multiple speed transmission. 2,661,632, Dec. 8.

Lammiman, Lewis W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun valve. 2,626,122, Jan. 20.

La Mond, John R., Washington, D. C. Weatherproof covering closure fastener. 2,650,401, Sept. 1.

La Monica, Samuel, assignee: *See*—
Vargo, John J.

La Monica, Sebastian: *See*—
Love, Herbert W., and La Monica.

Lamont, Archie G. W.: *See*—
Ross, Alvin H. A., Farmer, and Lemont.

Lamont, Hugh R. L., North Wembley, and R. G. Robertshaw, Bedford Park, assignors to The General Electric Company, Limited, London, England. Wave signal translating and separation system. 2,651,759, Sept. 8.

Lamont, John, North Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing multiconductor cables. 2,635,135, Apr. 14.

Lamounette, Robert, New York, N. Y. Adjustable plate stand. 2,647,381, Aug. 4.

Lamoureaux, Raymond A., Jr., assignor to Sprague Electric Company, North Adams, Mass. Hermetic seal between shielded conductor and casing. 2,630,072, Apr. 21.

Lampe, Albert G., Madison, Wis. Corner mounting bracket for floodlights. 2,640,670, June 2.

Lampe, John H., St. Louis, and R. G. Watel, Clayton, assignors to Professional Specialties, Inc., St. Louis, Mo. Knee crutch pad. 2,625,453, Jan. 13.

Lampe, Robert C.: *See*—
Borkoski, Leon P., and Lampe.
Lofgren, Gustaf E., Lampe, and Ferraris.

Lampe, Robert C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner. 2,635,708, Apr. 21.

Lampe, William N.: *See*—
McIlroy, Joe H., and Lampe.

Lampert, Albert J.: *See*—
James, Richard E., and Lampert.

Lampert, Albert J., Walnut, assignor to Rheem Manufacturing Company, Richmond, Calif. Flashback prevention in gas burners. 2,646,789, July 28.

Lampert, Albert J., Walnut, and E. A. Merritt, South Gate, assignors to Rheem Manufacturing Company, Richmond, Calif. Gas burner head with secondary air feed grooves. 2,644,515, July 7.

Lamport, Samuel H., Southbridge, Mass., assignor to Goldling Bros. Company, Inc., New York, N. Y. Welding head. 2,624,391, Jan. 6.

Lamport, Samuel H., Southbridge, Mass., assignor to Goldling Bros. Company, Inc., New York, N. Y. Injector device. 2,662,666, Dec. 15.

Lamprecht, Joseph A., assignee: *See*—
Hamann, Kuno E.

Lamprecht, Joseph A., Cranford, N. J. Bottle carrier. 2,624,498, Jan. 6.

Lampton, Glen T.: *See*—
Kearns, Charles M., Jr., and Lampton.

La Mulle, Bernie P., New Orleans, La., assignor to The Texas Company, New York, N. Y. Pipe handling device. 2,652,160, Sept. 15.

Lamversie, John: *See*—
Gallagher, Samuel D., and Lamversie.

Lancashire Dynamo & Crypto Limited, assignee: *See*—
Huggins, Percy.

Lancaster, Archie B., Duck Hill, Miss. Mechanical sod cutter and loader. 2,663,242, Dec. 22.

Lancaster Belting & Textile Supply Company, assignee: *See*—
Stauffer, Edwin E.

Lancaster, Edgar E., Cleveland, Ohio. Smoking pipe. 2,644,464, July 7.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,631,309, Mar. 17.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Platform laying and platform cover turning machine. 2,648,852, Aug. 18.

Lancaster, William J., Orlando, Fla. Exhibition and stage device. 2,624,578, Jan. 6.

Lance, Orville P.: *See*—
Neighbour, Leonard B., and Lance.

Lance, Orville P., assignor to Deere & Company, Moline, Ill. Article-handling machine. 2,647,616, Aug. 4.

Lancelot, Daniel, Pittsburgh, Pa. Multiple electric plug receptacle. 2,654,074, Sept. 29.

Lanchester, George H., assignor, by mesne assignments, to Clyde Drilling and Prospecting Equipment Company Limited, Dagenham, England. Rotary earth boring bit. 2,648,526, Aug. 11.

Lançois, Roberto M., Barcelona, Spain. Loose-leaf binding device. 2,653,748, Sept. 29.

Lancome S. A., assignee: *See*—
Frydlender, Sophie.

Lancor, Joseph H., Jr., Pasadena, and J. Delmonte, La Canada, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Transducer. 2,636,964, Apr. 28.

Land, Anthony H.: *See*—
Sprague, James M., and Land.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic film unit having a frangible fluid container therein. 2,627,459, Feb. 3.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Sealed photographic film unit containing a liquid. 2,627,460, Feb. 3.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Collapsible fluid container. 2,634,886, Apr. 14.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic transfer product and process. 2,635,048, Apr. 14.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product for forming a transfer image. 2,639,233, May 19.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic process for forming a positive transfer image. 2,644,756, July 7.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic element for color photography and producing multicolor pictures. 2,647,049, July 28.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product and process for forming a white image viewable against a dark background. 2,647,055, July 28.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. One step photographic transfer process. 2,647,056, July 28.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Treating photosensitive materials by spreading thereon a layer of processing liquid and apparatus for performing said process. 2,653,527, Sept. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Single use container having a sealed passage adapted to be unsealed upon application of stress. 2,653,732, Sept. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product comprising a rupturable container carrying a liquid for processing said product. 2,653,872, Sept. 29.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Radiation detection device. 2,659,825, Nov. 17.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Product for dispensing a liquid-coated sheet. 2,661,292, Dec. 1.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Producing a colored photographic image by means of exhaustion of developer. 2,661,293, Dec. 1.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic transfer processes and compositions for the practice of said processes. 2,662,822, Dec. 15.

Land, Marion C., and M. Kimbell, Birmingham, Ala. Fruit jar and the like holder. 2,655,824, Oct. 20.

Landau, Edward F.: *See*—
Salvin, Victor S., and Landau.

Landau, Frans, and J. E. Carlsson, Vasteras, and S. E. Hedström, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Saturable core reactor system. 2,625,677, Jan. 13.

Landau, Lucian, Chingford, London, assignor to Latex Industries Limited, London, England. Manufacture of toy balloons. 2,628,387, Feb. 17.

Landau, Manfred: *See*—
Kendall, Charles E., and Landau.

Landau, Miles E., New York, N. Y. Protective case and filing unit. 2,660,965, Dec. 1.

Landau, Ralph, Brooklyn, assignor to Chempatents, Inc., New York, N. Y. Composition for coating fabrics. 2,658,880, Nov. 10.

Landau, Ralph, Brooklyn, N. Y., and R. B. Egbert, Atlantic Highlands, N. J., assignors, by mesne assignments, to Chempatents, Inc., New York, N. Y. Chlorination of olefins in dilute mixtures. 2,658,087, Nov. 3.

Landau, Ralph, Brooklyn, N. Y., and R. B. Egbert, Atlantic Highlands, N. J., assignors to Chempatents, Inc., New York, N. Y. Chlorination of ethylene in dilute mixtures. 2,658,088, Nov. 3.

Landauer, Heinz, Tampa, Fla. Lathe quick-change boring bar holder. 2,630,327, Mar. 3.

Landberg, Erik G., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Centrifugal pump. 2,660,122, Nov. 24.

Landenberger, J. W., & Co., assignee: *See*—
Luchs, Morton G.

Lander, James J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for measuring gas pressures. 2,625,586, Jan. 13.

Landers, Frary & Clark, assignee: *See*—
Anderson, Oscar M.
Kircher, Paul J.

Landers, Victor G., North Warren, Pa. Cribbage board. 2,646,221, July 21.

Landes, Chester G.: *See*—
Daniel, John H., Landes, and Suen.

Landes, Spencer H.: *See*—
Uraneck, Carl A., and Landes.

Landgraf, David C., Simpson, Okla. Pecan cracker. 2,642,908, June 23.

Landgraf, George F., Cockeysville, Md. Ram jet with steam augmentation. 2,635,422, Apr. 21.

Landgraf, George F., Pittsburgh, assignor to Trion, Inc., McKees Rocks, Pa. Collecting plate assembly for electrostatic precipitators. 2,642,952, June 23.

Landin, Carl A., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Electric switch. 2,626,335, Jan. 20.

Landis, Franklin G., Kenmore, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Adjustable potentiometer. 2,663,003, Dec. 15.

Landis, George G., South Euclid, and N. J. Hoenic, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Method and apparatus for arc welding using a plurality of electrodes. 2,654,015, Sept. 29.

Landis Machine Company, assignee: *See*—
Balsiger, Harold E.
Billow, Arthur H.
Eyler, Roy I.
Hieber, George E.
Hopkins, Cecil W.

Landis, Phillip S.: *See*—
White, Ralph V., and Landis.

Landis, Phillip S., Mickleton, and E. B. Backensto, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Rust inhibitor for light petroleum products. 2,632,695, Mar. 24.

Landis, Robert, Milwaukee, Wis. Eddy-current clutch and brake motor. 2,630,466, Mar. 3.

Landis Tool Company, assignee: *See*—
Balsiger, Harold E.
Balsiger, Harold E., and Price.
Dunn, Elman R., and Price.
Happel, William E.
Price, Ralph E.
Price, Ralph E., and Balsiger.
Rocks, Hugh N.

Landmeier, Edwin W.: *See*—
Boller, William D., Berkley, Ernst, and Landmeier.

Landolt, Albert, Riehen, Switzerland, assignor to Ciba Limited. Improving the resistance of wool to felting and shrinking. 2,632,717, Mar. 24.

Landolt, Karl, Zurich, Switzerland. Double twist spindle. 2,641,896, June 16.

Landon, Marion E., administratrix: *See*—
Landon, Walter S.

Landon, Richard W.: *See*—
Talmey, Paul, and Landon.

Landon, Robert W., Roscoe, Calif. Push-button latch. 2,648,561, Aug. 11.

Landon, Vernon D., Princeton Township, Mercer County, N. J., assignor to Radio Corporation of America. Pulse modulation system. 2,659,866, Nov. 17.

Landon, Vernon D., Princeton, N. J., assignor to Radio Corporation of America. Band pass filter. 2,660,712, Nov. 24.

Landon, Walter S., deceased, by M. E. Landon, administratrix, assignor to Detroit Controls Corporation, Detroit, Mich. Liquid level control means. 2,664,099, Dec. 29.

Landquist, Justus K., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. New quinoxaline derivatives. 2,644,000, June 30.

Landquist, Justus K., and G. J. Stacey, Blackley, England, assignors to Imperial Chemical Industries Limited. 1,4-quinoxaline-di-N-oxides. 2,626,259, Jan. 20.

Landrey, Leo R., Lynbrook, and A. Mazzei, Richmond Hill, N. Y., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Gas discharge device. 2,652,510, Sept. 15.

Landrum, Porter, Birmingham, Ala. Motorcycle frame, spring suspension, and shock absorbing mechanism therefor. 2,636,567, Apr. 28.

Landry, Adolphus H., North Miami, Fla. Head motion for looms. 2,637,347, May 5.

Landry, Arthur B., Royal Oak, and W. H. Martin, Plymouth, assignors to V-Seal Corporation, Royal Oak, Mich. Storm window and screen frame and assembly. 2,647,571, Aug. 4.

Landry, Horace G., Oneonta, N. Y. Switch for signaling device for stokers and the like. 2,646,476, July 21.

Landry, Jacobus M., Summerland, British Columbia, Canada. Rotating sprinkler. 2,659,626, Nov. 17.

Landry, William J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Can opener. 2,647,306, Aug. 4.

Landry, William J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Talge. Can opener cutter assembly. 2,647,307, Aug. 4.

Landsverk, Ole G., Mount Healthy, Ohio. Charger-reader. 2,630,535, Mar. 3.

Landsverk, Ole G., Mount Healthy, Ohio. Pocket ionization chamber. 2,639,389, May 19.

Landsverk, Ole G., Mount Healthy, Ohio. Quartz fiber dosimeter. 2,648,777, Aug. 11.

Landsverk, Ole G., and L. E. Rasmussen, Cincinnati, Ohio, assignors to Keleket X-Ray Corporation. Radiation exposure meter. 2,638,551, May 12.

Landsverk, Ole G., and L. E. Rasmussen, Cincinnati, Ohio, assignors to Keleket X-Ray Corporation. Radiation exposure meter. 2,638,552, May 12.

Landsverk, Ole G., and L. E. Rasmussen, Cincinnati, Ohio, assignors to Keleket X-Ray Corporation. Neutron detector. 2,638,553, May 12.

Landucci, Frank A., London, and E. I. Rusted, Wolvey Villa, near Hinckley, assignors to The Charnwood Engineering Company Limited, London, England. Apparatus for turning stockings and the like. 2,657,841, Nov. 3.

Landwier, William G.: *See*—
France, Martin L., and Landwier.

Landwier, William G., Fayetteville, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Panel securing mechanism. 2,627,352, Feb. 3.

Landwier, William G., Fayetteville, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Clutch and brake for washing machines. 2,660,278, Nov. 24.

Landwier, William G., Fayetteville, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Centrifugal rinsing device. 2,660,311, Nov. 24.

Lane, A. W., administrator: *See*—
Cudebec, Clyde L.

Lane, Charles J., Garden City, N. Y. Vertically sliding door apparatus. 2,648,587, Aug. 11.

Lane, Clarence A., Aldan, Pa. Collapsible tube contents dispenser having a winding key and rollers. 2,642,205, June 16.

Lane, Dorlan E., assignee: *See*—
Jeckell, Walter E.

Lane, Frank W., Elkton, Md., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Metal oxide production. 2,653,078, Sept. 22.

Lane, Fred A., Shelburn, assignor to Lane Motors, Incorporated, Terre Haute, Ind. Adjustable eccentric motion. 2,632,339, Mar. 24.

Lane, John R., Pittsburg, Calif., assignor to United States Steel Corporation. Knife-adjusting means for rotary shears. 2,660,242, Nov. 24.

Lane, Leslie C., Jr.: *See*—
Fugate, Wesley O., and Lane.

Lane Motors, Incorporated, assignee: *See*—
Lane, Fred A.

Lane, Thomas: *See*—
Hobson, Stanley H., and Lane.

Lane, Victor, New York, N. Y. Temporary wall for use in conjunction with the filling of dental cavities. 2,629,930, Mar. 3.

Lane-Wells Company, assignee: *See*—
McWhorter, Cullen J.
Phillips, Robert A.
Turechek, George F., and Lindsay.

Lanfear, Joseph P., Long Island City, N. Y. Electrical connection. 2,651,671, Sept. 8.

Lang, Adolph, New York, N. Y. Device for detecting blown fuses. 2,659,789, Nov. 17.

Lang, Arthur J.: *See*—
Hardman, Kenneth V., and Lang.

Lang, Delmer T., Palos Verdes Estates, Calif. Heating device. 2,624,332, Jan. 6.

Lang, Gregor L., Suffield, Conn. Gearless speed reduction mechanism. 2,656,737, Oct. 27.

Lang, Harry, St. Paul, Minn. Overall garment. 2,646,568, July 28.

Lang, Heinrich, Munich, Germany. Valve gear for Diesel engines. 2,647,500, Aug. 4.

Lang, Hiram A.: *See*—
Chesney, Murphy A., and Lang.

Lang, Ivan R., Omaha, Nebr. Coat retainer. 2,642,210, June 16.

Lang, John L., assignor to The Dow Chemical Company, Midland, Mich. Polymerizing monovinyl aromatic compounds with rubber. 2,646,418, July 21.

Lang, John W., Jr., assignor to De Vry Corporation, Chicago, Ill. Intermittent mechanism for motion-picture projecting mechanisms. 2,633,056, Mar. 31.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Connected fastener blank strip. 2,651,231, Sept. 8.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Fastener strip. 2,651,232, Sept. 8.

Lang, Maurice, Long Beach, assignor to H. Hyman, New York, N. Y. Dry cell. 2,649,491, Aug. 18.

Lang, Maurice, Brooklyn, assignor to H. Hyman, New York, N. Y. Battery electrode. 2,664,453, Dec. 29.

Lang, Robert A., Camillus, and R. M. Savasky, Syracuse, N. Y., assignors to General Electric Company. Intermediate frequency transformer assembly. 2,648,031, Aug. 4.

Lang, Walter B., Washington, D. C. Mining and apparatus therefor. 2,634,960, Apr. 14.

Lang, Walter B., Washington, D. C. Oil filling and breather pipe means for internal-combustion engines. 2,644,430, July 7.

Lang, Walter S., Pittsburgh, and L. R. Robinson, Mount Lebanon, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Rotary cutter device for pipe cleaners. 2,641,010, June 9.

Lang, William H., Wenonah, and C. L. Gutzeit, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reforming and catalysts therefor. 2,645,605, July 14.

Lang, William H., W. A. Stover, and C. L. Gutzeit, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Aromatization reforming and catalysts for effecting the same. 2,658,858, Nov. 10.

Langabeer, Harvey T., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power supply system. 2,653,253, Sept. 22.

Langan, John F., Washington, D. C., assignor, by mesne assignments, to Filmsort, Inc. Record card. 2,633,655, Apr. 7.

Langaunet, Joseph C.: *See*—
Born, William F., and Langaunet.

Langbein, Charles, assignee: *See*—
Dalley, Charles J.

Langbein, Emil, assignee: *See*—
Dalley, Charles J.

Langbein, William, assignee: *See*—
Dalley, Charles J.

Langbein, Wm., & Bros., assignee: *See*—
Dalley, Charles J.

Langdon, Eric R., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Hydrodynamic coupling. 2,653,547, Sept. 29.

Langdon, Jesse D., Long Beach, Calif. Combined check valve and vent valve. 2,629,393, Feb. 24.

Langdon, Jesse D., Long Beach, Calif. Siphonless trap. 2,630,874, Mar. 10.

Langdon, Jesse D., Long Beach, Calif. Adjustable tire. 2,650,632, Sept. 1.

Langdon, Lawrence E., Wilmette, assignor, by mesne assignments, to Link-Belt Company, Chicago, Ill. Treating sewage or other waste material. 2,628,190, Feb. 10.

Langdon, Robert S., assignor to Western Gear Works, Seattle, Wash. Fluid operated friction clutch. 2,656,905, Oct. 27.

Langdon, Samuel W., Rochester, assignor to S. L. Morrow, Webster, N. Y. King pin lock for freight trailers. 2,630,699, Mar. 10.

Langdon, William K.: *See*—
Cenker, Moses, and Langdon.

Langdon, William K., and E. F. Soop, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkyl aryl sulfonate-liquid hydrocarbon-aliphatic hydroxy compound compositions. 2,629,697, Feb. 24.

Lange, Adolf H., Hyattsville, Md., assignor to Anemostat Corporation of America, New York, N. Y. Mixing and diffusing device. 2,658,440, Nov. 10.

Lange, Bernard A., assignor of one-half to E. Steele, Brantwood, Wis. Automobile window sash and screen assembly. 2,650,858, Sept. 1.

Lange, Ferdinand, Minden in Westphalia, assignor to Werner Bahlsen, Hannover, Germany. Box construction. 2,643,812, June 30.

Lange, Frederick J., Parma, and F. H. Temple, Cleveland, Ohio; said Lange assignor to said Temple. Valve. 2,626,775, Jan. 27.

Lange, Harold T., Webster Groves, assignor to Sporlan Valve Company, St. Louis, Mo. Refrigerant expansion valve. Re. 23,706, Sept. 1.

Lange, Harry B., Detroit, and R. E. Christian, Dearborn, assignors to Kerr Manufacturing Company, Detroit, Mich. Liquid fuel blowtorch with elastic air supply jacket. 2,627,304, Feb. 3.

Lange, Max H., New York, N. Y. Chain machine. 2,639,755, May 26.

Lange, Per G., and R. O. J. Möller, Finspong, Sweden. Means for applying sealing bands to labyrinth packing disks. 2,655,584, Oct. 13.

Lange, Richard F., and M. W. Cucksey, Pontiac, Mich. Brush making machine. 2,647,018, July 28.

Lange, Robert W.: *See*—
Griffith, John F., Lange, and Fisher.

Lange, William H.: *See*—
Schmitt, Harry A., and Lange.

Lange, Willy, Cincinnati, and F. J. Baur, Wyoming, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Diglyceride preparation. 2,626,952, Jan. 27.

Langen, Eero V., Fitchburg, Mass. Heat saving furnace. 2,625,139, Jan. 13.

Langen, Eugen, Braunschweig, assignor to Pfeifer und Langen, Elsdorf (Rhineland), Germany. Extraction tower. 2,653,114, Sept. 22.

Langen, Eugen, Elsdorf, Germany. Extraction tower for comminuted material of vegetable or plant origin, particularly sugar beets. 2,637,666, May 5.

Langen, Eugen, Haus Etzweiler, Elsdorf, Germany, assignor, by mesne assignments, to Superior Sugar Extraction, Inc., New York, N. Y. Method and apparatus for the continuous extraction of sugar from sugar beets. 2,645,589, July 14.

Langen, Ole H.: *See*—
Maxwell, Ira C., and Langen.

Langer, Nicholas, New York, N. Y. Heat sealing method. 2,630,396, Mar. 3.

Langer, Nicholas, New York, N. Y. Heatsealing. 2,633,443, Mar. 31.

Langer, Nicholas, New York, N. Y. Bonding. 2,640,796, June 2.

Langer, Nicholas, New York, N. Y. Bonding. 2,640,798, June 2.

Langer, Nicholas, New York, N. Y. Heat sealing machine. 2,646,105, July 21.

Langer, Nicholas, New York, N. Y. Heatsealing method. 2,650,183, Aug. 25.

Langer, Olgierd, Silvermine, Conn. Nail holder. 2,635,237, Apr. 21.

Langer, Theodore W., Buffalo, and B. F. Mago, North Tonawanda, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Inhibited polyoxyalkylene glycol fluids. 2,624,708, Jan. 6.

Langer, William M., assignee: *See*—
Dostmann, William A.

Langer, William M., Jr., assignee: *See*—
Dostmann, William A.

Langerak, Esley O.: *See*—
Stallmann, Otto, and Langerak.

Langerman, I. Newton, Portland, Oreg. Portable acetylene generator. 2,655,441, Oct. 13.

Langford, Cary J., White Bear Lake, assignor to Waldorf Paper Products Company, St. Paul, Minn. Display carton. 2,648,427, Aug. 11.

Langford, John E., Littleton, N. H. Mitten. 2,656,544, Oct. 27.

Langland, John A., Covelo, Calif. Egg washing machine, including tanks through which cleaning fluid is circulated. 2,631,595, Mar. 17.

Langley Corporation, assignee: *See*—
Mandolf, Henry I.

Langlykke, Asger F.: *See*—
McCormack, Robert B., Langlykke, and Perlman.
Perlman, David, and Langlykke.

Langmyhr, George J., Sarnia, Ontario, Canada. Countercurrent extraction method and apparatus. 2,628,894, Feb. 17.

Langner, Emil: *See*—
Hedberg, Albert F., and Langner.

Langos, Alfred F., assignor to Langson Manufacturing Co., Chicago, Ill. Self-feeding paper burster gun. 2,634,549, Apr. 14.

Langos, Alfred F., assignor to Langson Manufacturing Co., Chicago, Ill. Low-pressure multipull paper burster gun. 2,634,550, Apr. 14.

Langos, Alfred F., assignor to Langson Manufacturing Co., Chicago, Ill. Paper bursting toy gun. 2,641,868, June 16.

Langos, Harold L., assignor to Langson Manufacturing Co., Chicago, Ill. Paper burster gun. 2,637,941, May 12.

Langos, Otto E., Chicago, Ill. Toy paper bursting six-shooter. 2,634,548, Apr. 14.

Langrish-Smith, William E.: *See*—
Emblem, Harold G., Shaw, and Langrish-Smith.

Langsett, Victor M., trustee, assignee: *See*—
Kessler, Ward P.
Priem, Martin E.

Langson Manufacturing Co., assignee: *See*—
Langos, Alfred F.
Langos, Harold L.

Langstaff, Clinton A.: *See*—
Collins, Lawrence B., and Langstaff.

Langstaff, Clinton A., Compton, Calif. Means for measuring liquid by weight. 2,633,750, Apr. 7.

Langston, Samuel M., Co., assignee: *See*—
Nitchie, Charles D.
Sperling, Arthur F., and Schroeder.

Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Boiler. 2,633,831, Apr. 7.

Langvand, Ivar L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater casing. 2,655,238, Oct. 13.

Langworthy, Coartland H., Irwin, assignor to Elliott Company, Jeannette, Pa. Speed regulating apparatus for fluid driven prime movers. 2,637,332, May 5.

Lanham, Philip H.: *See*—
Coffey, Henry F., and Lanham.

Lanier, Harold S., Welcome, N. C. Adjustable television or radio cabinet base. 2,664,258, Dec. 29.

Lanier, Robert F., Lanett, Ala. Railway crossing. 2,652,981, Sept. 22.

Lanigan, Harold T., Minneapolis, Minn. Piston ring fitting device. 2,648,136, Aug. 11.

Laning, Edwin R., Langhorne, Pa., assignor to The Stokes Molded Products, Inc. Plastic compound containing synthetic rubber and anthracite coal. 2,638,456, May 12.

Laningham, William D., Austell, Ga. Top wig for horses. 2,624,996, Jan. 13.

Lanker, Donald J., assignor to Artkraft Manufacturing Corporation, Lima, Ohio. Defroster for refrigerator evaporators. 2,661,602, Dec. 8.

Lankford, Floyd R., Miami Beach, Fla. Rotary cutting tool. 2,628,512, Feb. 17.

Lanman, Guy R., El Reno, Okla. Hanging object anchor. 2,643,840, June 30.

Lanneau, Keith P., and E. M. Charlet, Baton Rouge, La., assignors to Standard Oil Development Company. Cracking of hydrocarbon oils. 2,632,727, Mar. 24.

Lanning, Charles H., Woodstock, Ill. Coloring board. 2,660,983, Dec. 1.

Lanning, William C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrogenolysis process for the production of a good quality gas oil and gasoline from a heavy residuum hydrocarbon oil. 2,627,495, Feb. 3.

Lanning, William C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Regeneration of a Fischer-Tropsch reduced iron catalyst. 2,661,338, Dec. 1.

Lansberry, Jerrold L., assignee: *See*—
Hurley, Earl H.

Lanser, Paul, and N. Skalla, Radenthein, Austria, assignors to General Refractories Company, Philadelphia, Pa. Refractory material and process. 2,636,827, Apr. 28.

Lansky, Zdenek J.: *See*—
Allen, Arthur C., and Lansky.

Lanstrom, Carl T., and J. E. Leaver, Concord, Calif., assignors to United States Steel Corporation. Adapter for uncoilers. 2,661,911, Dec. 8.

Lantry, Gerald F., Detroit, Mich. Ski sled. 2,637,565, May 5.

Lantz, Brice H., assignor to Lantz Manufacturing Company, Inc., Valparaiso, Ind. Tire traction clamp. 2,652,092, Sept. 15.

Lantz, Grover B.: *See*—
Mathers, Frank C., and Lantz.

Lantz Manufacturing Company, Inc., assignee: *See*—
Lantz, Brice H.

Lantz, Robert, and G. Mingasson, Paris, assignors to Compagnie Francaise des Matieres Colorantes, Saint-Denis, France. Azo dyestuff. 2,647,113, July 28.

Lantz, Robert L., assignor to Compagnie Francaise des Matieres Colorantes S. A. R. L., Paris, France. Preparation of diazo amino compounds and water-insoluble azo dyestuffs on fibers. 2,648,660, Aug. 11.

Lantz, Robert L., Paris, and G. H. V. Krémer, Ermont, assignors to Compagnie Française des Matieres Colorantes S. A. R. L., Paris, France. Preparation of derivatives of 1,4-diamino-benzene-N-sulphonic acid. 2,637,743, May 5.

Lantz, Willard J., Emmaus, and J. M. Walters, Allentown, assignors to Electro-Chemical Engineering & Mfg. Co., Emmaus, Pa. Synthetic resin and making the same from furacrolein, furfural, and formaldehyde. 2,660,573, Nov. 24.

Lantz, William H., Jr.: *See*—
Cole, Thomas M., and Lantz.

Lanza, Sergio, Savona, Italy. Device for the setting of the multiplier into motor-driven calculating machines. 2,655,313, Oct. 13.

Lanzit Corrugated Box Company, assignee: *See*—
Stasny, William, and Kostelancik.

Lape, Edward W.: *See*—
Moore, Richard E., Lape, and Flaugh.

Laperouse, Edward J., assignee: *See*—
Freeman, Lawson J., Jr.

Lapeyre, Emile M.: *See*—
Lapeyre, Fernand S. and E. M.

Lapeyre, Fernand S., New Orleans, and E. M. Lapeyre, assignors, by mesne assignments, to The Peelers Company, Houma, La. Shrimp cleaner and peeler. 2,627,065, May 5.

Lapham, Sidney D., Martinez, Calif. Pallet. 2,662,710, Dec. 15.

Lapham, Sidney D., Martinez, Calif. Pallet. 2,662,711, Dec. 15.

La Piana, Fred G., North Eastham, Mass., assignor to Stein, Hall & Company, Inc., New York, N. Y. Textile size comprising an aqueous solution of a styrene-maleic anhydride copolymer and a water soluble borate. 2,630,416, Mar. 3.

La Piana, Fred G., North Eastham, Mass., and G. N. Houth, Cranston, R. I., assignors to Stein, Hall & Company, Inc., New York, N. Y. Printing pigment colors on glass fabrics. 2,664,365, Dec. 29.

Lapidovsky, Piotr F., now by judicial change of name P. T. Stone, Wilmington, Del. Helicopter rotor. 2,658,575, Nov. 10.

Lapish, Arlington V., Jackson, Mich., assignor to Capehart-Farnsworth Corporation. Change cycle control mechanism. 2,657,060, Oct. 27.

La Plante, Robert J.: *See*—
Fett, Gilbert H., and La Plante.

Lapointe, Elmer J.: *See*—
Lapointe, Francis J. and E. J.

Lapointe, Elmer J. and F. J., Ann Arbor, Mich. Broaching machine. 2,643,585, June 30.

Lapointe, Francis J.: *See*—
Lapointe, Elmer J. and F. J.

Lapointe, Francis J. and E. J., Ann Arbor, Mich. Broach. 2,643,443, June 30.

La Pointe, Gabriel M.: *See*—
Munson, Richard G., and La Pointe.

La Porte, Francis L., assignee: *See*—
La Porte, Louis F.

La Porte, Louis F., Rolla, Mo., assignor to F. L. La Porte, Burlingame, Calif. Defrosting arrangement in refrigeration. 2,645,101, July 14.

La Porte, Louis F., Wellston, Mo., assignor to F. L. La Porte, Burlingame, Calif. Refrigerator defrosting means. 2,641,908, June 16.

La Porte, Walter N., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Treatment of lubricating oil. 2,654,696, Oct. 6.

La Pota, John B.: *See*—
Chouinard, Alfred F., and La Pota.

Lapp-Finze Eisenwarenfabriken-Aktiengesellschaft, assignee: *See*—
Heidenwolf, Hermann.

Lapp Insulator Company, Inc., assignee: *See*—
Jenner, Ralph L., and Fiero,.

Lappin, Robert I.: *See*—
Zaiger, Louis, and Lappin.

Lapsley, Bernard T.: *See*—
Black, Robert F., Jr., and Lapsley.

Lapsley, Robert: *See*—
Hawkins, Frederick E., Lapsley, and Turner.
Turner, George L., and Lapsley.

Lapsley, Robert, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,630,025, Mar. 3.

Lapsley, Robert, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,647,413, Aug. 4.

Lapsley, Robert, assignor to Clark Equipment Company, Buchanan, Mich. Brake construction. 2,656,015, Oct. 20.

Lapsley, Robert, and G. L. Turner, assignors to Clark Equipment Company, Buchanan, Mich. Multiple valve unit. 2,643,674, June 30.

Lapsley, Robert, Berrien Springs, and G. L. Turner, Niles, assignors to Clark Equipment Company, Buchanan, Mich. Steering by driving interlocked with manual steering. 2,651,377, Sept. 8.

Lapwell Watch Case Corp., assignee: *See*—
Geoffrion, Arthur J.

Laramy, Richard C., Joliet, Ill., assignor, by mesne assignments, to Queen Stove Works, Inc., Albert Lea, Minn. Portable ice chest for storing foods and the like. 2,663,157, Dec. 22.

Larborn, Ake O. J., assignor to Aktiebolaget Volvo, Goteborg, Sweden. Fuel valve and nozzle for internal-combustion engines. 2,625,435, Jan. 13.

Lardé, Raymond, and M. Pesez, assignors to Les Laboratoires Francais de Chimiotherapie, Paris, France. Injectable solution of salt of para-aminosalicylic acid. 2,647,853, Aug. 4.

Lardelli, Otto A., Baden, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G. Glarus, Switzerland. Cavity resonator magnetron. 2,648,799, Aug. 11.

Large, William E., and R. F. Barrell, Lancaster, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric discharge apparatus for alternating current motors. 2,663,834, Dec. 22.

Larison Compensating Axle Corporation, assignee: *See*—
Larison, Glenn L.

Larison, Glenn L., assignor to Larison Compensating Axle Corporation, La Grande, Oreg. Compensating wheel mounting. 2,638,357, May 12.

Larison, Glenn L., assignor to Larison Compensating Axle Corporation, La Grande, Oreg. Equalizing and cushioning wheel mounting. 2,638,358, May 12.

Lark-Horovitz, Karl: *See*—
Benzer, Seymour, and Lark-Horovitz.
Bray, Ralph, and Lark-Horovitz.

Lark-Horovitz, Karl, La Fayette, and R. M. Whaley, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Alloys and rectifiers made thereof. 2,637,770, May 5.

Larkin and Company, Inc., assignee: *See*—
Reed, Frank A.

Larkin, Charles R., assignee: *See*—
Larkin, Glenn M.

Larkin, Charles R., Toledo, Ohio, assignor of one-half to G. M. Larkin. Barbecue appliance. Re. 23,662, May 26.

Larkin, Dorothy W., administratrix: *See*—
Larkin, Lester U.

Larkin, George R., Dayton, Ohio. Instrument vibrating device. 2,638,788, May 19.

Larkin, Glen M., assignee: *See*—
Larkin, Charles R.

Larkin, Glenn M., Quincy, Mich., assignor of one-half to C. R. Larkin, Toledo, Ohio. Bun warmer. 2,649,853, Aug. 25.

Larkin, John L.: *See*—
Reese, George E., and Larkin.

Larkin Lectro Products Corporation, assignee: *See*—
Larkin, Sam.

Larkin, Lester U., deceased, Harvey; by D. W. Larkin, administratrix, Arlington Heights, Ill. Machine for making refrigerator liners. 2,631,557, Mar. 17.

Larkin, Roger A., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Determining insect parts in cereal flour. 2,639,617, May 26.

Larkin, Roger A., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Determining bran in cereal flour. 2,642,745, June 23.

Larkin, Sam, assignor to Larkin Lectro Products Corporation, Pine Bluff, Ark. Transformer core. 2,634,321, Apr. 7.

Larkin, Thomas E., Schenectady, N. Y., assignor to General Electric Company. Liquid filled expansible chamber. 2,651,327, Sept. 8.

Larmour, James J., assignor to Plastic Inlays, Inc., Summit, N. J. Making inlaid articles. 2,635,328, Apr. 21.

La Rocca, Joseph, Cleveland, Ohio. Traction device for pneumatic tires. 2,625,193, Jan. 13.

Larocco, Michael J., Berkeley, Calif., assignor to Motorola, Inc., Chicago, Ill. Thermal switch. 2,641,668, June 9.

La Roche, Philip F., London, England. Handsaw frame. 2,662,567, Dec. 15.

La Rock, Alfred, Belleville, N. J. Plumb line holder. 2,627,124, Feb. 3.

La Rosa, Elizabeth, McKeesport, Pa. Rubber glove. 2,641,767, June 16.

Larrabee, Clifford E.: *See*—
Craig, Louis E., and Larrabee.

Larrabee, Donald C., Yarmouth, Maine. Clip for sheet material. 2,642,638, June 23.

Larras, Jean A.: *See*—
Laurent, Jean, and Larras.

Larrecq, Anthony J., Yardley, Pa., assignor to General Engineering and Research Corporation, Trenton, N. J. Gas turbine power plant, including multiple fluid operated turbines. 2,625,012, Jan. 13.

Larriek, Carlos M., Columbus, Ohio. Hospital bed convertible to chair. 2,656,876, Oct. 27.

Larsen, Agnew E., New Britain, and J. B. Atherholt, Glenside, Pa., assignors to The Glenn L. Martin Company, Middle River, Md. Testing apparatus for rotary wings. 2,631,453, Mar. 17.

Larsen, Albert M., Jr.: *See*—
Reilly, Alfred F., Jr., and Larsen.

Larsen, Alfred E., Audubon, Iowa. Auxiliary power takeoff for tractors. 2,624,416, Jan. 6.

Larsen, Arthur, assignee: *See*—
Cooper, Roy L.

Larsen, Carl H.: *See*—
Gibbs, William J., and Larsen.

Larsen Company, The, assignee: *See*—
Winters, Russell H.

Larsen, Delmar H.: *See*—
Kells, Edward L., and Larsen.

Larsen, Einer W., Elmhurst, and J. R. Marcus, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Tension control apparatus. 2,662,697, Dec. 15.

Larsen, Harvey E., assignor to Steger Products Manufacturing Corporation, Steger, Ill. Buffing wheel. 2,660,010, Nov. 24.

Larsen, Lyle V., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Condensate stripper. 2,656,262, Oct. 20.

Larsen, Lyle V., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Connector for liquid storage tanks. 2,656,263, Oct. 20.

Larsen, Merwin J., Villa Park, W. J. Anderson, Elgin, N. B. Erickson, Chicago, and A. F. Evett, Brookfield, assignors to Central Commercial Industries, Inc., Cook County, Ill. Electric switch. 2,630,503, Mar. 3.

Larsen, Russell C., Kimberly, Idaho. Tractor mounted loading, shovel and scoop attachment. 2,657,481, Nov. 3.

Larson, A. D., assignee: *See*—
Frankfother, Thomas L.

Larson, Algot, Stamford, Conn., assignor to Unique Balance Co., Inc., New York, N. Y. Sash balance connector. 2,633,600, Apr. 7.

Larson, Carl O., Seattle, Wash. T-square and parallel straightedge combination. 2,627,323, Feb. 3.

Larson, Carl U.: *See*—
Magos, John P., Larson, and Nelson.

Larson, Charles O., Sterling, Ill. Saw horse with a shiftable tool tray. 2,637,358, May 5.

Larson, Charles O., Sterling, Ill. Structural joint. 2,638,386, May 12.

Larson, Charles O., Sterling, Ill. Display stand. 2,650,717, Sept. 1.

Larson, Conrad N., San Francisco, Calif. Roll paper dispenser. 2,647,028, July 28.

Larson, Elmer F., Arcadia, Calif. Sphygmomanometer. 2,633,121, Mar. 31.

Larson, Eugene, Birkenfeld, Oreg. Sifter and measuring device. 2,633,988, Apr. 7.

Larson, Francis F., Milford, assignor to Draper Corporation, Hopedale, Mass. Temple thread cutter for looms. 2,629,408, Feb. 24.

Larson, Glen M.: *See*—
Lewis, Howard B., Larson, and Field.

Larson, Harold J., and G. B. Devereaux, Brooklyn, N. Y. Support for containers. 2,638,354, May 12.

Larson, John: *See*—
Brophy, Jere E., and Larson.

Larson, John V., Chicago, Ill. Adjustable self-closing pipe wrench and the like. 2,645,145, July 14.

Larson, John W., and D. A. Tooley, Fort Worth, Tex., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Bonding faying surfaces of metallic members. 2,650,185, Aug. 25.

Larson, Karl R., Aitkin, Minn. Fish lure. 2,629,199, Feb. 24.

Larson, Kenneth R., Des Plaines, Ill. Torsion weighing device. 2,641,460, June 9.

Larson, Orion G., Denver, Colo. Screw-operated vise having shiftable nut for quick adjustment. 2,645,143, July 14.

Larson, Otto C., Sr., Brooklyn, N. Y. Reuseable plug fuse. 2,639,351, May 19.

Larson, Paul R.: *See*—
Szwargulski, Alex N., and Larson.

Larson, Ralph A.: *See*—
Maier, Curtis E., Brockett, and Larson.

Larson, Ralph T., Washington, D. C. Pneumatic sheet feeder for printing presses. 2,633,797, Apr. 7.

Larson, Raymond T.: *See*—
Dahlberg, Arnold R., Larson, and Chapman.

Larson, Tilden M.: *See*—
Kuehn, Emil H., and Larson.

Larson, Walter G., and E. E. Broberg, assignors to Elco Tool and Screw Corporation, Rockford, Ill. Outside diameter gauge for screws, etc. 2,640,273, June 2.

Larson, Willard A., Preston, Idaho. Wall of hollow building blocks. 2,624,193, Jan. 6.

Larson, William N., Sr., assignee: *See*—
Onley, William B., Jr.

La Rue, Albert D., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable electron discharge device. 2,629,069, Feb. 17.

La Rue, Albert D., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,632,131, Mar. 17.

La Russa, Karl S., East St. Louis, Ill. Clothesline prop. 2,653,785, Sept. 29.

Lasater, John A., Chattanooga, Tenn., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Vane type fluid motor. 2,633,105, Mar. 31.

Laschinger, John E., Bramley, Johannesburg, Union of South Africa. Heat exchanger for continuous treatment of fluent material. 2,660,408, Nov. 24.

Lascroux, Emile F. J., Le Soupicou, Presqu'ile de Giens, France. Ship's funnel with smoke-directing provisions. 2,646,764, July 28.

Laserson, Frederick M., Los Angeles, Calif. Micrometer. 2,639,510, May 26.

Lash, Adeline E., Cleveland, Ohio. Collapsible infant carrier. 2,640,712, June 2.

Lash, Charles C.: *See*—
Silverman, Daniel, Eisler, and Lash.

Lash, Charles C., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Marine seismometer spread. 2,652,550, Sept. 15.

Lash, Gerland A., and E. B. Chamberlin, Stockton, Calif., said Lash assignor to said Chamberlin. Filter. 2,661,846, Dec. 8.

Laskey, Ellis A., Lawrence, N. Y. Multiple autographic register. 2,643,114, June 23.

Lasklu, Eugene B.: *See*—
Klein, Harold, and Laskin.

Lasko, George A., Toledo, Ohio. Dial ornamentation. 2,652,652, Sept. 22.

Laskowitz, Isidor B., Brooklyn, N. Y. Pitch change means for helicopter rotors. 2,625,227, Jan. 13.

Laskowitz, Isidor B., Brooklyn, N. Y. Automatic blade angle control for helicopters. 2,625,228, Jan. 13.

Laskowski, Stanley C.: *See*—
Clinton, Raymond O., and Laskowski.

Lasky, Thomas S., Kingston, Pa. Oil filter. 2,660,314, Nov. 24.

Lasky, Thomas S., Kingston, Pa. Oil filter. 2,660,315, Nov. 24.

Lasky, Thomas S., Kingston, Pa. Filter unit. 2,660,316, Nov. 24.

Lasky, Wayne E., Bloomington, Ill., and R. W. Seniff, Baltimore, Md., assignors of one-quarter to M. A. Hanson, and one-quarter to H. E. Frank, Bloomington, Ill. 2,642,478, June 16.

Lasley, James B., Lancaster, S. C., assignor to The Springs Cotton Mills, Inc. Means for opening and detwisting tubular fabric. 2,652,615, Sept. 22.

Lasley, Robert A., assignor, by mesne assignments, to L. G. Simmons, Chicago, Ill. Fuel injection pump. 2,633,084, Mar. 31.

La Societe des Accumulateurs Elbric, S. A., assignee: *See*—
Zaugg, Samuel.

La Soudure Ejectrique Autogène Societe Anonyme, assignee: *See*—
Danhier, François G.

La Soudure Electrique Languepin, assignee: *See*—
André, Henri.

Laspe, Charles G.: *See*—
Foster, Richard A., and Laspe.

Lass O'Scotland Ltd., assignee: *See*—
Feldman, Samuel.

Lassen, Eivind U.: *See*—
Kennedy, John T., and Lassen.

Lasseter, Hubert P., Havana, assignor of one-half to G. P. Koelliker, Tallahassee, Fla. Ship stabilizer. 2,649,068, Aug. 18.

Lassiat, Raymond C., Swarthmore, Pa., and R. M. Shirk, Lindamere, assignors to Houdry Process Corporation, Wilmington, Del. Disengagement of gases from fluent solid particles. 2,636,805, Apr. 28.

Lassiat, Raymond C., Swarthmore, and R. T. Savage, Ridley Park, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Handling fluent particles. 2,646,407, July 21.

Lassiter, Jerry B., Windsor, Vt. Toy vehicle, including foot operated ratchet drive mechanism. 2,653,037, Sept. 22.

Last, James, Letchworth, England. Weighing apparatus. 2,624,563, Jan. 6.

Lastik Seam Sales Corporation, assignee: *See*—
Weinberg, Robert.

Lasting, Hyman B., assignor to Metal Products Corporation, Portsmouth, Va. Article of furniture. 2,627,616, Feb. 10.

Lastofka, George F., Minneapolis, Minn. Refrigerated bait box. 2,631,402, Mar. 17.

Laszlo, Stephen E., assignee: *See*—
Lawrence, Andrew.

Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Process and apparatus for effecting chemical reactions. 2,632,689, Mar. 24.

La Télémécanique Electrique (Societe Anonyme), assignee: *See*—
Filliette, Raymond.

Latex Industries Limited, assignee: *See*—
Landau, Lucian.

Latham, Allen, Jr., Jamaica Plain, Mass., assignor, by mesne assignments, to Hodges Research and Development Company, San Francisco, Calif. Process and apparatus for aging meats and storing vegetables. 2,629,232, Feb. 24.

Latham, Edgar H., Jr., Palm Beach, Fla. Apparatus for constructing sea walls. 2,663,064, Dec. 22.

Lathe, Frank E., Ottawa, Ontario, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada. Making refractory masses and batch. 2,647,062, July 28.

Lathers, William C., Jr., Madison, Wis. Hoist attachment for tractors. 2,627,983, Feb. 10.

Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Safety drive clutch. 2,643,530, June 30.

Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Can cover inserting device. 2,645,400, July 14.

Lathrop, Harvey, Forest Hills, N. Y. Dispensing spool of adhesive tape and supporting enclosure therefor. 2,647,700, Aug. 4.

Lathrop, La Verne B., Dundee, Ill. Nursing bottle support. 2,654,556, Oct. 6.

Lathrop-Paulson Company, The, assignee: *See*—
Lathrop, Harry D.
Schwarzkopf, Vergil.

Latimer, James T., Birmingham, Ala., assignor to Jackson Industries Inc. Veneer lathe embodying improved pressure bar actuating mechanism. 2,650,629, Sept. 1.

Latimer, James T., Birmingham, Ala., assignor to Jackson Industries Inc. Pressure bar support for veneer lathes. 2,659,401, Nov. 17.

Latimer-Needham, Cecil H., North Bersted, Bognor Regis, assignor to Flight Refuelling Limited, London, England. Piston. 2,657,960, Nov. 3.

Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball mitt. 2,625,686, Jan. 20.

Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,629,096, Feb. 24.

Latini, Edmond: *See*—
Latini, Leo and E.

Latini, Leo and E., Chicago, Ill.; said E. Latini assignor to said L. Latini. Candy preforming machine. 2,637,281, May 5.

Latorraca, John: *See*—
Seaward, Charles W., and Latorraca.

Latour, André, assignor to Etablissements Merlin & Gerin, Grenoble, France. Valve operating apparatus. 2,657,710, Nov. 3.

Latour, André, assignor to Etablissements Merlin & Gerin, Grenoble, France. Fluid control device. 2,661,022, Dec. 1.

La Trique Brassieres, assignee: *See*—
Williams, Marguerite R.

Latson, Richard C.: *See*—
Burrell, Kenneth D., and Latson.

Lattman, Charles W., Oakland, Calif. Portable dispensing tank. 2,645,381, July 14.

Lattner, Emert J., Cedar Rapids, Iowa. Mobile spraying equipment. 2,655,405, Oct. 13.

Latz, Anton, Koln-Hohenberg, Germany. Fastening sleeve for band strapping. 2,646,603, July 28.

Latzen, Josef, assignor to A. Ehrenreich & Cie., Dusseldorf-Oberkassel, Germany. Resilient steering linkage connection. 2,660,901, Dec. 1.

Lau Blower Company, The, assignee: *See*—
Wilken, Carl E.
Wilken, Carl E., and McGladrey.

Lau, Herbert C., Oak Park, assignor to Signode Steel Strapping Company, Chicago, Ill. Load retaining strip. 2,659,432, Nov. 17.

Lau Bach, Neal B.: *See*—
Baird, John B., and Lau Bach.

Laubach, William, Houston, Tex. Governor. 2,643,672, June 30.

Laube, Edward, Jr., assignor to Taylor and Company, Chicago, Ill. Dice box. 2,628,840, Feb. 17.

Lauber, Urban S.: *See*—
Merriam, Henry F., and Lauber

Laucher, Richard G., Kirkwood, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. After burner for turbojet engines and the like. 2,637,972, May 12.

Lauclus, Joseph F., and S. B. Speck, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,4-diamino-2,3-anthraquinone-dicarboximides. 2,628,963, Feb. 17.

Lauck, John A., Shaker Heights, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Pressure loaded gear pump. 2,660,958, Dec. 1.

Lauck, John A., South Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Hydraulic power unit. 2,627,232, Feb. 3.

Lauck, John A., Shaker Heights, and F. C. Haberland, Cleveland, Ohio, assignors to Borg-Warner Corporation, Chicago, Ill. Motor port construction. 2,633,104, Mar. 31.

Lauckner, Hans E., Weissenburg, Bayern, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Selenium rectifier with varnish intermediate layers. 2,660,697, Nov. 24.

Laucks, Howard H., Boonton, assignor to Bendix Aviation Corporation, Teterboro, N. J. Cover cap fastening means. 2,631,750, Mar. 17.

Laudenberger, John A.: *See*—
Marancik, Frank G., and Laudenberger.

Lauenstein, Carl F., and I. E. Rhoden, Indianapolis, Ind., assignors to Link-Belt Company. Tensiometer. 2,633,743, Apr. 7.

Lauer, George J., Long Beach, Calif. Lawn edger with motor case as the wheel. 2,630,665, Mar. 10.

Lauer, Léon N., Clichy, France, assignor to Bendix Aviation Corporation, New York, N. Y. Brake. 2,626,684, Jan. 27.

Lauer, Rodney E., Grosse Pointe, and C. B. Doty, Detroit, Mich., assignors to Briggs Manufacturing Company. Glove compartment door latch. 2,640,723, June 2.

Lauer, Rodney F., Arcadia, and C. V. Shurtleff, Los Angeles, Calif., assignors to Flakice Corporation, Brooklyn, N. Y. Ice-making. 2,633,005, Mar. 31.

Laufer, Roger, Louisville, Ky. Convertible apparatus for use in care of infants and for other purposes. 2,661,791, Dec. 8.

Lauffer, Jacob R., Valley Stream, assignor to Miller-Lauffer Printing Equipment Corp., New York, N. Y. Feed mechanism for flexible sheets such as envelopes. 2,624,576, Jan. 6.

Laug, Ernst, Union City, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Cutting fluid and coolant. 2,625,509, Jan. 13.

Laughlin, William C., New York, N. Y. Discharge mechanism for hydraulic separators. 2,629,496, Feb. 24.

Laughlin, William F., St. Charles, Ill. Toy pistol. 2,631,578, Mar. 17.

Laughner, Ernest M.: *See*—
Clokey, John W., and Laughner.

Laughridge, Willie J., assignee: *See*—
Abernethy, Albert D.

Laughter, D. Robert, assignee, trustee: *See*—
Noodleman, Samuel, and Wise.

Laughter, D. Robert, trustee, assignee: *See*—
Noodleman, Samuel.

Launder, Ernie L., Montebello, and C. C. Hosmer, Long Beach, Calif. Removable point locking mechanism for digging teeth. 2,657,482, Nov. 3.

Launder, James M., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Window lifting mechanism. 2,649,300, Aug. 18.

Launder, James M., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Filter. 2,657,806, Nov. 3.

Launder, James M., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Oil filter. 2,657,807, Nov. 3.

Launius, Carl E., and H. L. Brewer, East St. Louis, Ill. Glassware lehr loader. 2,647,613, Aug. 4.

Laupman, Robert R.: *See*—
Heijne den Bak, Willem, and Laupman.

Laur, Albert, Heidelberg-Baden, Germany. Method of and apparatus for fluoroscoping and radiographing renal organs of the human body. 2,656,469, Oct. 20.

Laurent, Jean, Maisons-Alfort, France, and J. A. Larras, Algier, Algerie. Surge generating apparatus. 2,663,092, Dec. 22.

Laurent, Milton P., Houston, Tex. Self-tightening packing gland. 2,626,840, Jan. 27.

Laurenty, François, Loos-les-Lille, France. Apparatus for the continuous fermentation of pulverized vegetable products. 2,655,434, Oct. 13.

Laurey, Henry E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Catalyst recovery. 2,642,401, June 16.

Lauricella, John W., Passaic, and F. E. Hagen, Cliffside Park, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control system. 2,655,629, Oct. 13.

Laurie, Floyd S., Royal Oak, assignor to American Metal Products Company, Detroit, Mich. Spring construction. 2,660,227, Nov. 24.

Laurie, Gavin W., Springfield, Pa. Pressure responsive and indicating device. 2,651,279, Sept. 8.

Lauritsen, Charles C., Pasadena, Calif. Rocket projector with adapter. 2,659,274, Nov. 17.

Lauritzen, Cyril W., Logan, Utah. Apparatus for sealing and evacuating containers. 2,636,657, Apr. 28.

Lauro, Timotheo, San Francisco, Calif. Grapple. 2,661,978, Dec. 8.

Lausch, Paul, Richmond Hill, N. Y. Removable cutter blade for carpenters' planes. 2,638,947, May 19.

Laustedt, Samuel H., Menomonie, Wis. Exercise machine. 2,629,373, Feb. 24.

Lauter, Werner M.: *See*—
Foote, Perry A., Lauter, and Baxter.

Lauterbach, Norman E., Newark, assignor to Ritter Company, Inc., Rochester, N. Y. Medical practice chair with foot supporting stirrups. 2,643,704, June 30.

Lauterbach, Norman E., Newark, assignor to Ritter Company, Inc., Rochester, N. Y. Control mechanism for motor operated chairs and the like. 2,651,351, Sept. 8.

Lauterbach, William E., Chicago, Ill. Baby bottle aerator. 2,634,011, Apr. 7.

Lauth, William C., assignee: *See*—
Houchin, Frank M.

Lauther, Leslie I., assignor to Collins Radio Company, Cedar Rapids, Iowa. Chassis fastening means. 2,630,996, Mar. 10.

Lautiainen, Uuno, Savonlinna, Finland. Flushing valve. 2,661,021, Dec. 1.

Lautner, Max E., assignor to Knapp-Monarch Company, St. Louis, Mo. Air fan heater. 2,640,139, May 26.

Lautner, Max E., assignor to Knapp-Monarch Company, St. Louis, Mo. Control circuit for air fan heaters. 2,647,198, July 28.

Lautner, Max E., assignor to Knapp-Monarch Co., St. Louis, Mo. Single bearing motor construction. 2,659,831, Nov. 17.

Lautner, Max E., Webster Groves, and S. H. V. Wambeck, Richmond Heights, assignors to Knapp-Monarch Company, St. Louis, Mo. Fan structure. 2,650,019, Aug. 25.

Lautzenhiser, Argyle G.: *See*—
Short, Brooks H., and Lautzenhiser.

Lautzenhiser, Argyle G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition timer. 2,643,304, June 23.

Laval, Charles J.: *See*—
Wood, Alfred G., Laval, Callaghan, Wahl, Greulich, and Boehl.

Laval, Claude, Jr., Fresno, Calif. Apparatus adapted to provide photographic records of wells and the like. 2,633,783, Apr. 7.

Lavallee, Eugene V.: *See*—
Logan, Joseph A., and Lavallee.

Lavash, Francis L., Dedham, assignor, by mesne assignments, to Newton Clutch Company, West Newton, Mass. Overrunning clutch. 2,633,949, Apr. 7.

La Veille, Henri J., Oak Harbor, Wash. Motion converting mechanism. 2,651,206, Sept. 8.

Lavender, William H., Dallas, Tex. Boring tool. 2,633,334, Mar. 31.

Laverdisse, Edmond, assignor to Les Glaceries de la Sambre, Societe Anonyme Auvelais, Belgium. Feeding of abrasives to glass surfacing tools. 2,646,655, July 28.

Laverdisse, Edmond J. G., assignor to Les Glaceries de la Sambre, Societe Anonyme, Auvelais, Belgium. Process and apparatus for polishing glass. 2,662,350, Dec. 15.

Lavergne, Eli J., Duluth, Minn. Home beauty aid. 2,631,583, Mar. 17.

Laverty, Irene M., Philadelphia, and J. H. Bird, Ambler, Pa., said Bird assignor to said Laverty. Clasp for blouses. 2,628,398, Feb. 17.

Laverty, Martin, West Hempstead, assignor to Murray Manufacturing Corporation, Brooklyn, N. Y. Electric circuit interrupter. 2,654,815, Oct. 6.

Lavery, Grant G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic testing apparatus. 2,626,983, Jan. 27.

La Via, Joseph, Ridgewood, N. Y. Radio echo direction determining apparatus. 2,629,868, Feb. 24.

La Viano, Michael J.: *See*—
White, Ezekiel F., and La Viano.

Laviettes, Raymond P., assignor to Shelton Plane and Tool Manufacturing Company, Shelton, Conn. Multiple blade screw driver. 2,662,568, Dec. 15.

Laville, André: *See*—
Maillard, Francis, Laville and Cantinieau.

La Vire, Joseph A., Pontiac, Mich. Bow sight. 2,654,152, Oct. 6.

Laviste, Cornelius, Skonsberg, Sweden. Means for defibrating and grinding paper pulp or other fibrous material. 2,660,934, Dec. 1.

La Voque, Edward C., Hawthorne, assignor of one-half to W. E. Chisholm, Van Nuys, Calif. Transmission. 2,649,817, Aug. 25.

Law, Don C., Bay City, assignor to Magline, Inc., Pinconning, Mich. Dockboard. 2,659,914, Nov. 24.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Making color-kinescopes, etc. 2,625,734, Jan. 20.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Two-sided electron-sensitive screen. 2,633,547, Mar. 31.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Contact for semiconductor devices. 2,634,322, Apr. 7.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Mounting screens for cathode-ray tubes. 2,654,940, Oct. 13.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Masked target kinescope. 2,663,821, Dec. 22.

Law, Peter L.: *See*—
Skillman, Thomas S., and Law.

Law, Peter L., Roseville, near Sydney, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Article dispensing system. 2,646,217, July 21.

Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. Electron-sensitive target for color-kinescopes, etc. 2,631,253, Mar. 10.

Law, William A., Kettering, England. Means for detecting the presence of undesired metallic projections on nonmetallic surfaces. 2,636,917, Apr. 28.

Lawatsch, Frank E.: *See*—
Strezynski, George J., and Lawatsch.

Lawler, Carlton, Dallas, Tex. Plate and cover therefor. 2,641,912, June 16.

Lawler, Charles A.: *See*—
Bovay, Harry E., Jr., Lawler, and Wheeler.

Lawler, John A., assignor to Boeing Airplane Company, Seattle, Wash. Air induction system heating in supercharged engine. 2,645,409, July 14.

Lawler, John A., assignor to Boeing Airplane Company, Seattle, Wash. System for obtaining nitrogen from air by adsorption of oxygen. 2,664,171, Dec. 29.

Lawler, John J., assignee: *See*—
Lewis, Herbert R.

Lawlor, Reed C., assignee: *See*—
Rense, Daniel S.

Lawrance, Richard B., assignor to National Research Corportation, Cambridge, Mass. High-vacuum device. 2,630,266, Mar. 3.

Lawrance, Richard B., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Triggered push-pull oscillator. 2,643,340, June 23.

Lawrence, Andrew, assignor of one-half to S. E. Laszlo, New York, N. Y. Trigger mechanism for air guns. 2,633,839, Apr. 7.

Lawrence, Bert F. and E. E., Portland, Oreg. Ice-cream scoop. 2,631,551, Mar. 17.

Lawrence, Donald M., Wood Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Oil separator and pressure regulating device for aircraft ice eliminating systems. 2,663,522, Dec. 22.

Lawrence, Emma E.: *See*—
Lawrence, Bert F. and E. E.

Lawrence, Ernest O., Berkeley, assignor to Chromatic Television Laboratories, Inc., San Francisco, Calif. Color control grid structure for cathode-ray tubes. 2,653,263, Sept. 22.

Lawrence, Forby W., Selma, and O. W. Lawrence, Jones, Ala. Rotary hinged disk type mower. 2,634,571, Apr. 14.

Lawrence, Franklin L., Tulsa, Okla., assignor to Standard Oil Development Company. Time break recording in seismic prospecting. 2,641,749, June 9.

Lawrence, Gerald B., New York, and J. A. Huberman, Brooklyn, N. Y., said Lawrence assignor to said Huberman. Capsule-filling device with capsule hopper feed. 2,661,884, Dec. 8.

Lawrence, James D., Woodson, Ark. Roof framer. 2,654,954, Oct. 13.

Lawrence, James W., Jr.: *See*—
Knox, Donald G., and Lawrence.

Lawrence, John A., and K. M. Heron, London, England. Electromechanical calculating machine. 2,653,761, Sept. 29.

Lawrence, Lovell, Jr., Denville, assignor to Reaction Motors, Inc., Dover, N. J. Rocket engine having turbine located in nozzle for driving auxiliaries. 2,637,973, May 12.

Lawrence, Orby W.: *See*—
Lawrence, Forby W. and O. W.

Lawrence, Owen N., Dorridge, assignor to Joseph Lucas Limited, Birmingham, England. Means for controlling the supply of liquid fuel to combustion prime movers. 2,657,529, Nov. 3.

Lawrence, Owen N., Dorridge, T. A. Harris, Edgbaston, Birmingham, and W. Fleming, Waddington, Clitheroe, assignors to Joseph Lucas Limited, Birmingham, England. Apparatus for controlling the supply of liquid fuel to the combustion chambers of prime movers. 2,649,686, Aug. 25.

Lawrence Paper Company, The, assignee: *See*—
Hill, Irving, and Miller.

Lawrence, Ray V.: *See*—
McKennon, Forrest L., and Lawrence.

Lawrence, Ray V., Lake City, Fla., and O. S. Eckhardt, Columbia, Miss., assignors to the United States of America as represented by the Secretary of Agriculture. Addition compounds of rosin and maleic anhydride and their production. 2,628,226, Feb. 10.

Lawrence, Richard B., Detroit, Mich. Dustpan. 2,651,924, Sept. 15.

Lawrence, Richard B., Detroit, Mich. Crumb tray. 2,651,925, Sept. 15.

Lawrence Vane, Menlo Park, assignor to Pratt-Low Preserving Co., Santa Clara, Calif. Apparatus for loosening the pits of drupes. 2,646,830, July 28.

Lawrence, William J., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Electric circuit checking equipment. 2,643,370, June 23.

Lawrenz, Albert H., Gaylord, Minn. Fishing rod with disappearing spike. 2,628,445, Feb. 17.

Lawsberg, Charles L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Coloring woven glass fibers. 2,645,553, July 14.

Lawser, John J., assignor to Proctor Electric Company, Philadelphia, Pa. Electric switch. 2,654,816, Oct. 6.

Lawshe, Errol R., Ridgewood, assignor to Becton Dickinson and Company, Rutherford, N. J. Injection device. 2,642,064, June 16.

Lawshe, Errol R., Ridgewood, N. J., and J. H. Smoot, Darien, Conn., assignors to Becton Dickinson and Company, Rutherford, N. J. Injection device. 2,645,223, July 14.

Lawson, Andrew J., assignor of one-half to T. R. McKeen, Republic, Wash. Starter gate for race tracks. 2,653,568, Sept. 29.

Lawson, Andrew W., Jr., Chicago, Ill., and R. M. Fano, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Filter. 2,632,808, Mar. 24.

Lawson, Archibald, East Orange, N. J., assignor to Lawson Producta Corporation. Hydrocarbon separator apparatus and separator element. 2,651,414, Sept. 8.

Lawson, Bert E., Lakewood, and W. E. Bullock, Chautauqua, N. Y., assignors to Sylvania Electric Products Inc. Material handling device for punch presses. 2,644,521, July 7.

Lawson, David E., assignor to Hupp Corporation, Cleveland, Ohio. Cup dispenser. 2,624,647, Jan. 6.

Lawson, Dennis I., and A. V. Lord, assignors to Pye Limited, Cambridge, England. Television system. 2,624,797, Jan. 6.

Lawson, E. P., Co., Inc.: *See*—
Frankel, Sydney.
Seybold, Frederick W.

Lawson, E. P., Co., Inc., assignee: *See*—
Seybold, Frederick W.

Lawson, Elmer J., Rensselaer County, and A. Addelston, Queens County, assignors to Sterling Drug Inc., New York, N. Y. Preparing benzhydryl and 9-fluorenyl tertiary aminoalkanoates. 2,625,547, Jan. 13.

Lawson, Frans O., Greensboro, N. C. Emergency acting control unit for fluid brakes. 2,656,145, Oct. 20.

Lawson, George S., Perry, and J. C. Lawson, Euclid, assignors, by mesne assignments, to The Barr Rubber Products Company, Sandusky, Ohio. Endless conveyor system. 2,659,477, Nov. 17.

Lawson, Gottfrid C., Cleveland, Ohio. Reduction drive useful for Venetian blinds. 2,641,145, June 9.

Lawson, Gustaf R.: *See*—
Benander, George B., and Lawson.

Lawson, Holger L., Montreal, Quebec, Canada. Automatic cooker. 2,639,657, May 26.

Lawson, Jack D.: *See*—
Zollars, Richard U., Lawson, and Berry.

Lawson, James C.: *See*—
Lawson, George S. and J. C.

Lawson, John V.: *See*—
Thompson, Warren L., Provine, and Lawson.

Lawson, John W.: *See*—
Critchfield, Robert M., and Lawson.

Lawson, John W., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Polarity reversing switch. 2,630,507, Mar. 3.

Lawson, John W., and W. E. Brown, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch mounting. 2,627,006, Jan. 27.

Lawson, Julian K., Jr., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Photopolymerization of vinyl trifluorochloroethyl ether. 2,631,975, Mar. 17.

Lawson Products Corporation, assignee: *See*—
Lawson, Archibald.

Lawson Products, Inc., assignee: *See*—
Lawson, Robert H.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stop-motion for knitting machines. 2,625,026, Jan. 13.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,627,736, Feb. 10.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Elastic yarn feeding means for knitting machines. 2,627,738, Feb. 10.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular multifeed hosiery knitting machine and operating same. 2,658,365, Nov. 10.

Lawson, Robert H., Lakeport, N. H., assignor to Lawson Products, Inc., Pawtucket, R. I. Strand testing machine. 2,634,607, Apr. 14.

Lawson, William A., assignor to Building Products Limited, Montreal, Quebec, Canada. Producing masonry simulating panel. 2,660,217, Nov. 24.

Lawson, William D., Springfield, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Coating compositions comprising polyethylene and alkyl polysiloxane and making same. 2,655,489, Oct. 13.

Lawson, William L., Forest Hills, assignor to Whitehouse Products, Inc., Brooklyn, N.Y. Camera shutter mechanism with synchronizer. 2,641,978, June 16.

Lawter, Curtis N.: *See*—
Williams, Robert M., and Lawter.

Lawtex Corporation, assignee: *See*—
Montgomery, Julius.

Lawton, Oscar S., New Bedford, Mass., assignor to Phillips-Jones Corporation, New York, N. Y. Folding multiply fabric construction. 2,658,535, Nov. 10.

Lawyer's Co-Operative Publishing Company, The, assignee: *See*—
Ratcliffe, Fred A., Ryan, and Ford.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can tester pocket assembly. 2,630,765, Mar. 10.

Laxo, Ed, Oakland, Calif. Vertically adjustable drafting board table. 2,646,322, July 21.

Laxo, Ed, Oakland, Calif. Can body maker. 2,652,801, Sept. 22.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Feeding mechanism. 2,655,373, Oct. 13.

Laxo, Ed., Oakland, Calif. Can body maker. 2,656,806, Oct. 27.

Lay, John L., Ogden, assignor to A. H. Wirz, Inc., Chester, Pa. Spout cap. 2,649,226, Aug. 18.

Lay, Roy L., Rocky Ford, Colo. Multiple valve. 2,630,324, Mar. 3.

Lay, Willard V., assignor to E. C. Haas, Denver, Colo. Catamenial device. 2,652,056, Sept. 15.

Laycock, Kenneth G., Shavertown, Pa. Web tensioning means. 2,637,505, May 5.

Laycock, Kenneth G., Shavertown, Pa. Web tension control for printing presses. 2,637,506, May 5.

Laycott, Helen A., Battle Creek, Mich. Simplified pack of cards for playing canasta or the like. 2,639,922, May 26.

Layland, William: *See*—
Bareham, Eric G., and Layland.

Layland, William, Kings Heath, Birmingham, assignor to The Austin Motor Company Limited, Northfield, Birmingham, England. Combustion chamber of internal-combustion engines. 2,659,355, Nov. 17.

Layne, Mark B., and L. L. Held, Higginsville, Mo. Work holding tool. 2,659,260, Nov. 17.

Layng, Edwin T., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis. 2,629,729, Feb. 24.

Layte, Ralph R., Westfield, assignor to Purolator Products, Inc., Rahway, N. J. Method and apparatus for manufacture of plastic edge type filters. 2,654,124, Oct. 6.

Layte, Ralph R., Westfield, assignor to Purolator Products, Inc., Rahway, N. J. Assembling filter elements. 2,663,660, Dec. 22.

Layte, Ralph R., Westfield, and A. E. Bell, Union, assignors to Purolator Products, Inc., Rahway, N. J. Replaceable filter unit construction. 2,642,188, June 16.

Layton, Arthur C., Tyler, Tex. Machine for compression of fluids. 2,646,207, July 21.

Layton, Arthur C., Tyler, Tex. Machine for compression of gases, vapors, and liquids. 2,646,208, July 21.

Layton, Richard V.: *See*—
Schier, Alvin C., Jr., and Layton.

Lazar, Arthur, San Francisco, Calif. Removing deposits containing lead compounds. 2,626,879, Jan. 27.

Lazar, Joseph H., assignor to Refrigeration Systems, Inc., Chicago, Ill. Shell freezer and freezing liquids. 2,655,007, Oct. 13.

Lazar, Melvin E.: *See*—
Brown, Amon H., Kilpatrick, and Lazar.
Wasesrman, Theodore, and Lazar.

Lazar, Nathan, New York, N. Y. Combined abacus and counting rack. 2,646,631, July 28.

Lazarevich, Peter, Guilford, Conn. Bolt cutter. 2,624,112, Jan. 6.

Lazaro, Angelo, administrator: *See*—
Lazaro, Anton M.

Lazaro, Anton M., deceased; A. Lazaro, administrator of said A. M. Lazaro, assignor to M. Lazaro, Chicago, Ill. Electroplating barrel. 2,640,025, May 26.

Lazaro, Madelaine, assignee: *See*—
Lazaro, Anton M.

Lazaroff, Edward: *See*—
Halpin, George F., and Lazaroff.

Lazaroff, Irving, assignee: *See*—
Halpin, George F., and Lazaroff.

Lazarus, David: *See*—
Dorne, Arthur, and Lazarus.
Dorne, Arthur, Lazarus, and Minot.

Lazarus, Hettye S., and P. L., New York, N. Y. Plunger with wiping fingers. 2,644,181, July 7.

Lazarus, Peter L.: *See*—
Lazarus, Hettye S., and P. L.

La Zerte, James D., St. Paul, W. H. Pearlson, Bald Eagle, White Bear Township, Ramsey County, and E. A. Kauck, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making of RfBr from RfCOOH. 2,647,933, Aug. 4.

Lazicki, John J., New York, N. Y. Comb. 2,638,100, May 12.

Lazna, James J., assignee: *See*—
Rizzo, Anthony A.

Lazzarini, Aldo, Van Nuys, Calif. Controlled contour lawn sprinkler. 2,654,635, Oct. 6.

Lazzery, Angelo G., Oaklyn, N. J., assignor to Radio Corporation of America. Variable inductance and mounting means therefor. 2,657,365, Oct. 27.

Lea, Henry V.: *See*—
Schmidt, Lewis W., and Lea.

Lea, Peggy J., Kansas City, Mo., assignor to Phillips Petroleum Company. Low-water-loss cement slurry. 2,646,360, July 21.

Leach Brothers, Inc., assignee: *See*—
Eckhardt, Owen S., Cook, and Knapp.
Eckhardt, Owen S., and Knapp.

Leach, Clayton B., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Manifold mounting. 2,635,418, Apr. 21.

Leach Company, assignee: *See*—
Golinick, Cyril R.

Leach, Donald D., Cincinnati, Ohio. Fishing line actuator. 2,659,174, Nov. 17.

Leach, Edward S., Portland, Oreg. Toy cannon. 2,659,356, Nov. 17.

Leach, John M., Port Washington, N. Y. Manufacturing confections. 2,651,573, Sept. 8.

Leach, John W.: *See*—
Nunn, Thomas J., Leach, and Rogers.

Leach, Joseph, Buffalo, N. Y. Mortar gun for pointing joints in walls, etc. 2,630,006, Mar. 3.

Leach, Richard, Roxbury, Mass. Bleacher back rest. 2,645,274, July 14.

Leach, Sam L., Louisville, Ky. True air speed indicator. 2,638,782, May 19.

Leachman, Maud C., Des Moines, Iowa. Travel kit. 2,631,632, Mar. 17.

Leadbetter, Ralph L., Libertyville, A. S. Chipley, Mundelein, and C. P. Certik, Deerfield, assignors to Burgess-Manning Company, Libertyville, Ill. Panel heating system and integral tube and clip for use therein. 2,662,744, Dec. 15.

Leader, Sidney A., Hythe, Kent, assignor to Portland Plastics Limited, London, England. Adhesive compositions comprising polymerized methyl methacrylate, an ester of salicyclic acid and an organic solvent. 2,624,690, Jan. 6.

Leaderman, Earle, assignor to Lee-Marc Fabrics, Philadelphia, Pa. Yarn changing means for circular knitting machines. 2,629,240, Feb. 24.

Leaderman, Herbert: *See*—
McMillan, Edward B., Leaderman, and Redheffer.

Leadingham, Willis, Glouster, Ohio. Automatic shoe wiper. 2,649,599, Aug. 25.

Leaf, Ansel A., Muskegon, Mich. Wheel rim assembly. 2,633,178, Mar. 31.

League, George F., Greenville, S. C. Signaling device for looms and the like. 2,647,486, Aug. 4.

Leah, Amy S., Runcorn, and R. B. Mooney, Liverpool, England, assignors to Imperial Chemical Industries Limited. Production of uranium tetrafluoride. 2,654,654, Oct. 6.

Leahy, James F.: *See*—
Ashley, John W., and Leahy.

Leahy, James F., Beverly, and G. F. C. Burke, Fairhaven, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe and heel attached thereto. 2,641,852, June 16.

Leake, James M., Monroe, Mich. Engine rocker arm. 2,648,235, Aug. 11.

Leake, Norman H.: *See*—
De Benneville, Peter L., Leake, and Bock.

Leander, Russell J., assignor to Chicago Show Printing Company, Chicago, Ill. Top display. 2,627,683, Feb. 10.

Leanza, William J.: *See*—
Pfister, Karl, III, and Leanza.

Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Drill post. 2,626,023, Jan. 20.

Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Blower valve control arrangement. 2,643,640, June 30.

Lear, Incorporated, assignee: *See*—
Carr, William F.
Geistert, Edward C.
Lear, William P.

Lear, William P., Santa Monica, Calif., assignor to Lear, Incorporated. Grand Rapids, Mich. Radio selector switch and dial mechanism. 2,624,835, Jan. 6.

Leard, Fred J., Westminster, S. C. Filling end separator for multiple shuttle looms. 2,650,622, Sept. 1.

Learn, Reuben H.: *See*—
Geyer, Wallace T., Learn, and Sult.

Leary, Joseph A.: *See*—
Hammond, R. Philip, and Leary.

Leary, Joseph C., Greenfield, Ind. Bale twine tie. 2,645,840, June 21.

Leary, Joseph C., Greenfield, Ind. Knot tying. 2,646,298, July 21.

Leary, Joseph C., Greenfield, Ind. Twister mechanism and bale tie. 2,661,680, Dec. 8.

Leary, Robert F., Cranford, N. J., assignor to Standard Oil Development Company. Production of clear transparent polymers. 2,641,595, June 9.

Leas, Earl, Los Angeles, Calif. Angular adapter for cleaning tools. 2,624,061, Jan. 6.

Leas, William J., Tulsa, Okla., assignor to Standard Oil Development Company. Displacement type sampler. 2,645,289, July 14.

Leatherman, Clement M.: *See*—
Kelly, George M., and Leatherman.

Leatherman, Clifford C., Flushing, N. Y., and W. Wockenfuss, Union, N. J., assignors, by mesne assignments, to Burroughs Adding Machine Company. Statistical card punch and verifier. 2,653,665, Sept. 29.

Leatherman, Gerald T., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparing carbon black containing substantial amounts of sulfur. 2,631,107, Mar. 10.

Leatherman, Gerald T., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrofluorination of hydrocarbons. 2,636,912, Apr. 28.

Leathers, L. M., Sons, assignee: *See*—
Tufts, William F.

Leathers, Ward, Brooklyn, N. Y. Leg straightener appliance. 2,630,116, Mar. 3.

Léauté, Jean, Vincennes, and P. L. Vandamme, Le Perreux sur Marne, France, assignors to Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic element. 2,653,873, Sept. 29.

Leavenworth, Edgar K., Birmingham, Mich., assignor to Climax Molybdenum Company, New York, N. Y. Die for extruding compressed powder rods. 2,651,952, Sept. 15.

Leavenworth, Edgar K., Birmingham, Mich., assignor to Climax Molybdenum Company, New York, N. Y. Die mechanism for extruding compressed powder rods. 2,656,743, Oct. 27.

Leaver, James E.: *See*—
Lanstrom, Carl T., and Leaver.

Leavitt, Frank, assignee: *See*—
Meatte, Henry C.

Leavitt, James Q., Company, assignee: *See*—
Velie, Orville D.

Leavitt, Julian J.: *See*—
Scalera, Mario, Hardy, and Leavitt.

Leavitt, Roger P.: *See*—
White, William M., and Leavitt.

Leavitt, Roger P., and W. M. White, assignors to Eastman Kodak Company, Rochester, N. Y. Printer platen construction. 2,638,827, May 19.

Leavitt, Vernon P.: *See*—
Legassey, Eugene J., and Leavitt.

Le Baron, Ira M., Lakeland, Fla., assignor to International Minerals & Chemical Corporation. Classification of phosphate ore. 2,654,477, Oct. 6.

Lebedeff, Yurii E., Metuchen, and W. C. Klein, Menlo Park, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Removing tellurium from antimony. 2,661,280, Dec. 1.

Leben, Curt: *See*—
Keitt, George W., Leben, and Strong.

Lebensfeld, Moe: *See*—
Buxbaum, Mac, and Lebenfeld.

Leber, Benjamin F., Chicago, Ill. Perambulator frame. 2,642,296, June 16.

Leber, Benjamin F., Chicago, Ill. Stake body. 2,646,310, July 21.

Leber, Benjamin F., Chicago, Ill. Multiple steering head tricycle. 2,656,197, Oct. 20.

Leber, Harry R.: *See*—
Buell, Timothy B., and Leber.

Lebert, Herbert A., Millbrae, Calif. Parking system for automobiles. 2,636,424, Apr. 28.

Leblanc, Leon, Paris, France. Key mechanism for alto and bass clarinets. Re. 23,725, Oct. 20.

Leblanc, Leon, Paris, France. Key mechanism for alto and bass clarinets. 2,627,776, Feb. 10.

Leblanc, Maurice E., Chatou, assignor to Societe d'Etudes et de Modernisations pour l'Industrie Textile (S. A. R. L.), Clichy, France. Warping machine. 2,640,251, June 2.

Leblon, Emile, assignor to Solvay & Cie, Brussels, Belgium. Preventing the precipitation of insoluble salts of phenoxyacetic acids. 2,651,568, Sept. 8.

Le Blond, R. K., Machine Tool Co., The, assignee: *See*—
Kemper, Harry C., and Cooper.
Meyer, Walter R., and Siekmann.
Siekmann, Harold J., and Meyer.

Le Boeuf, Helen W., assignee: *See*—
Le Boeuf, Jeffre H.

Le Boeuf, Jeffre H., assignor to J. H. and H. W. Le Boeuf, Pasadena, Calif. Lock nut. 2,627,293, Feb. 3.

Le Bolt, John M., Deerfield, assignor to The Cromwell Paper Company, Chicago, Ill. Disposable baby diaper. 2,649,858, Aug. 25.

Lebovitz, Jack: *See*—
Baumfeld, Joseph R., Lebovitz, and Homrighausen.

Lebrun, Paul, deceased, Long Island City, N. Y.; J. C. Glenn, administrator of the estate of Paul Lebrun. Making glass beads. 2,643,488, June 30.

Le Bus, Franklin L., Longview, Tex. Load binder. 2,630,609, Mar. 10.

Le Bus, Franklin L., Longview, Tex. Snatch block. 2,633,329, Mar. 31.

Lebus, William A., assignor to The Protectoseal Company, Chicago, Ill. Thermal responsive actuating closure device. 2,633,267, Mar. 31.

Lebus, William A., assignor to The Protectoseal Company, Chicago, Ill. Flame arrester. 2,639,705, May 26.

Lecanu-Deschamps, Oliver, Levallois-Perret, France. Removable luggage carrier. 2,645,391, July 14.

Lecarme, Jacques A. M., Aix-en-Provence, assignor to Societe Anonyme dite: Societe Nationale de Constructions Aeronautiques Du Sud-Est, Paris, France. Control means for flying machines. 2,638,290, May 12.

Lecher, Emil A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system responsive to presence of magnetic materials. 2,636,933, Apr. 28.

Lecher, Hans Z.: *See*—
Hardy, William B., and Lecher.

Lecher, Hans Z., Plainfield, and K. C. Whitehouse, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Halogen addition products of 1,4-dihydroanthraquinone. 2,642,445, June 16.

Lecher, Hans Z., Plainfield, and K. C. Whitehouse, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of anthraquinone compounds. 2,652,408, Sept. 15.

Lecher, Hans Z., Plainfield, and E. Kuh, New Brunswick, N. J., assignors to American Cyanamid Company, New York, N. Y. Organic derivatives of phosphonic acids and preparing the same. 2,654,738, Oct. 6.

Lechner, Albert J., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft cargo floor. 2,625,118, Jan. 13.

Leck, John H.: *See*—
Blears, Jack, and Leck.

Leckington, Charles E., Tillamook, Oreg. Support arm for power saws. 2,636,524, Apr. 28.

Leckler, Frank, Forest Hills, N. Y. Combined closure and applicator device. 2,663,040, Dec. 22.

Leckrone, Roy J., Mount Lebanon, assignor to Pittsburgh Engineering and Machine Company, Pittsburgh, Pa. Ingot stripper. 2,641,806, June 16.

Leclabart, Jean, Paris, France. Hair-waving apparatus. 2,652,839, Sept. 22.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Liquid or oil filtration system. 2,646,886, July 28.

Le Clair, Joseph A., Lewiston, Maine. Mobile vehicle with load boom and mobile stabilizer. 2,663,433, Dec. 22.

Leclere, Bruno M. J., Fontenay sous Bois, assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France. Device for comparing values represented by pulses. 2,660,372, Nov. 24.

Le Clercq, Leon Jr., Glendale, assignor to Gladding, McBean & Co., Los Angeles, Calif. Production of shaded glazes. 2,627,101, Feb. 3.

Le Compte, Frank M., Chatham, N. J., assignor to Curtiss-Wright Corporation. Propeller blade construction. 2,652,897, Sept. 22.

Le Compte, Frank M., Chatham, and E. S. Bucher, Montclair, N. J., assignors to Curtiss-Wright Corporation. Articulated blade. 2,631,680, Mar. 17.

Le Comte, Corstiaan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Saw tooth voltage generator. 2,662,197, Dec. 8.

Lecours, Raymond, St. Laurent, Quebec, Canada. Rotary clipper head. 2,663,931, Dec. 29.

Lectra Products Co., assignee: *See*—
Nathan, Edward.

Lectromatic Devices, Inc., assignee: *See*—
Von Stoeser, Walter.

Lecznar, Chester J., Detroit, Mich. Pitcher's control practice target. 2,628,097, Feb. 10.

Ledbetter, George W., assignor to Joleco Corporation, St. Louis, Mo. Lighting fixture hinge construction. 2,644,556, July 7.

Lederer, Ernest A., Essex Fells, N. J., assignor to Radio Corporation of America. Getter material for electron discharge. 2,661,336, Dec. 1.

Ledgett, Lowell A., Ridgewood, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Chemical reaction tower. 2,655,435, Oct. 13.

Ledgett, Lowell A., Ridgewood, C. W. Deane, Summit, N. J., and J. J. Mahoney, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Cooling spray dried detergents. 2,657,797, Nov. 3.

Ledrut, Jules H. T., assignor to Luxema S. A., Ixelles, Brussels, Belgium. Substituted and unsubstituted barbiturates and thiobarbiturates of 1,2,3-trisubstituted pyrazolones and producing such compositions. 2,628,233, Feb. 10.

Ledrut, Jules H. T., assignor to Luxema S. A., Ixelles (Brussels), Belgium. 1-phenyl-2 (methyl-camphosulfonyl) amino propanols. 2,640,076, May 26.

Ledrut, Jules H. T., Brussels, assignor to Luxema S. A., Ixelles, Belgium. Reaction product of antipyrine aldehyde, p-aminobenzene sulfonamide and sodium bisulfite. 2,650,219, Aug. 25.

Ledrut, Jules H. T., Brussels, assignor to Luxema S. A., Ixelles (Brussels), Belgium. Derivatives of 1,2,3-trisubstituted pyrazolones and producing such compositions. 2,651,638, Sept. 8.

Leduc, René, Toulouse, France. Combustion chamber for fluid fuel burning in an air stream of high velocity. 2,647,369, Aug. 4.

Leduc, René, Toulouse, France. Gas turbine housing. 2,658,338, Nov. 10.

Ledwith, Walter A., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor construction for compressors and turbines. 2,639,885, May 26.

Lee, Aaron, and E. Lieberman, Miami, Fla. Method of and means for crushing or cracking ice. 2,648,955, Aug. 18.

Lee, Alfred R., Schenectady, N. Y., assignor to General Electric Company. Cell diaphragm position indicator. 2,659,151, Nov. 17.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Shuttle car and electric cable reel. 2,628,791, Feb. 17.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Mining machine frame and cutter bar construction. 2,637,543, May 5.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Feeding drive mechanism for mining machines. 2,638,332, May 12.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Kerf cutterhead mechanism for mining machines. 2,645,470, July 14.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Low height shortwall mining machine. 2,660,418, Nov. 24.

Lee, Bernt, Viborg, S. Dak. Harrow drawbar. 2,652,674, Sept. 22.

Lee, Burton D.: *See*—
Herzog, Gerhard, and Lee.

Lee, Burton D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Seismic prospecting. 2,638,402, May 12.

Lee, Burton D., Houston, Tex., assignor to The Texas Company, New York N. Y. Hunt suppressor. 2,645,747, July 14.

Lee, Chin Yi: *See*—
Hu, Quang Hsi and Lee.

Lee, Chite S., Detroit, Mich. Indexing device. 2,631,481, Mar. 17.

Lee, Clifford C., Aberdeen, S. Dak. Adjustable spring jaw chuck. 2,654,611, Oct. 6.

Lee, Conrad E.: *See*—
Sardeson, Robert, Braden, and Lee.

Lee, Donovan A., Suttons Bay, Mich. Portable boat launching and beaching apparatus. 2,658,354, Nov. 10.

Lee, Edward F., Detroit, Mich., assignor, by mesne assignments, to Serrick Corporation. Steel barrel. 2,624,486, Jan. 6.

Lee Electronic Labs, Inc., assignee: *See*—
Maloof, Leon S.

Lee, Ellen G.: *See*—
Stewart, Hugh W., and Lee.

Lee, Elmer E., Minneapolis, Minn. Combination brief case and hand protecting pocket. 2,639,749, May 26.

Lee Engineering Company, assignee: *See*—
Lee, Royal.

Lee, Eva L., Hamilton, Ohio. File guide. 2,647,520, Aug. 4.

Lee, Ferman N., Danvers, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe bottom ironing device. 2,654,903, Oct. 13.

Lee Foundation for Nutritional Research, assignee: *See*—
Lee, Royal.

Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Side ported well casing apparatus. 2,630,998, Mar. 10.

Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well casing cementing apparatus. 2,630,999, Mar. 10.

Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Side ported well casing cementing collar. 2,631,000, Mar. 10.

Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well cementing apparatus. 2,644,525, July 7.

Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing collar for cementing wells. 2,644,526, July 7.

Lee, Frank H., Company, The, assignee: *See*—
Kane, John E.

Lee, Frank H., Jr., Ridgefield, Conn. Apparatus for making felt. 2,636,248, Apr. 28.

Lee, George, Darwen, England. Variable-speed driving mechanism for beaming machines and like textile machines. 2,636,249, Apr. 28.

Lee, George H., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrometer. 2,659,822, Nov. 17.

Lee, George H., Troy, N. Y. Fertility computing device. 2,642,225, June 16.

Lee, Henry A., Montevideo, Minn. Roof shingling strip. 2,655,879, Oct. 20.

Lee, Henry Y., Honolulu, Hawaii. Spout cap for lighter fuel containers. 2,644,608, July 7.

Lee Industries, Inc., assignee: *See*—
Gethner, Lee.

Lee, Jason D., Salem, Oreg. Rocking support. 2,647,268, Aug. 4.

Lee, Jennie D., La Grange, Ga. Coin halter. 2,624,881, Jan. 13.

Lee, Jim, New York, N. Y. Folding armchair. 2,652,100, Sept. 15.

Lee, Jim, New York, N. Y. Folding stool. 2,625,208, Jan. 13.

Lee, John: *See*—
Finkelstein, Jacob, and Lee.

Lee, John, Essex Fells, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Thiolsonicotinamide. 2,653,942, Sept. 29.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Variable capacity jet exhaust augmenter. 2,648,192, Aug. 11.

Lee, John M., Philadelphia, Miss. Tractor-mounted cultivator. 2,655,853, Oct. 20.

Lee, John W., H. E. Martin, and W. M. Alexander, Indianapolis, Ind. Subcutaneous medication. 2,625,158, Jan. 13.

Lee, Joseph F., Lynwood, and G. E. Denny, assignors to F. V. Long, Compton, Calif., doing business as The Vapor Recovery Systems Company. Venting apparatus for tanks or the like. 2,643,666, June 30.

Lee, Joseph L., Bergen County, assignor, by mesne assignments, to Margon Corporation, Bayonne, N. J. Movable doll's eye. 2,663,972, Dec. 29.

Lee, Leighton, II, Rocky Hill, Conn. Swiveling elbow fitting. 2,632,659, Mar. 24.

Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Fluid distributing apparatus. 2,638,912, May 19.

Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Internal-combustion engine fuel and speed control. 2,643,513, June 30.

Lee, Leighton, II, Rocky Hill, assignor to Niles-Bement-Pond Company, West Hartford, Conn. Control apparatus for turbojet engines. 2,657,530, Nov. 3.

Lee, Leighton, II, Rocky Hill, Conn. Nozzle. 2,660,474, Nov. 24.

Lee, Luther E., Takoma Park, Md. Power-operated toolholder. 2,641,151, June 9.

Lee, Lyman S., Shaker Heights, assignor of twenty-five per cent to W. Isler, Cleveland, Ohio. Toilet paper roll holder. 2,632,605, Mar. 24.

Lee-Marc Fabrics, assignee: *See*—
Leaderman, Earle.

Lee, Marvin, Rye, N. Y., assignor to Burndy Engineering Co. Inc. Insulated multiple connector. 2,632,034, Mar. 17.

Lee, Matthew E., South Bend, Ind. Fishing reel. 2,640,661, June 2.

Lee, Matthew E., South Bend, Ind. Cord gripping device. 2,645,832, July 21.

Lee, Matthew E., South Bend, Ind. Fishing reel. 2,662,699, Dec. 15.

Lee, Max M., Washington, D. C. Promoting polymerization. 2,647,878, Aug. 4.

Lee-Norse Company, assignee: *See*—
Arentzen, Einar M.

Lee Paper Company, assignee: *See*—
Hussey, Richard L.

Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,655,621, Oct. 13.

Lee, Ralph L., Birmingham, Mich. Packing means for sand molds. 2,632,215, Mar. 24.

Lee, Robert E., Baltimore, Md. Tappet adjusting tool. 2,637,229, May 5.

Lee, Robert E., Cleveland, Ohio. Foam creating apparatus. 2,653,848, Sept. 29.

Lee, Robert E., Endicott, N. Y. Window frame. 2,660,764, Dec. 1.

Lee, Robert E., Herndon, Va., and C. A. Benden, Washington, D. C. Transporting carrier for cartons and the like. 2,661,879, Dec. 8.

Lee, Robert J., La Marque, and P. D. May, Galveston, assignors to Pan American Refining Corporation, Texas City, Tex. Refining hydrocarbon resins. 2,656,303, Oct. 20.

Lee, Robert L., Mount Vernon, Ohio, assignor, by mesne assignments, to S. and F. Company, Hartford, Conn. Bag container. 2,631,629, Mar. 17.

Lee, Royal, Elm Grove, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Attrition-type flour mill with centrifugally controlled feeding means. 2,627,376, Feb. 3.

Lee, Royal, Elm Grove, assignor to Lee Engineering Company, Milwaukee, Wis. Governor speed adjusting apparatus. 2,645,473, July 14.

Lee, Royal, Elm Grove, Wis. Fuel injection apparatus. 2,655,140, Oct. 13.

Lee, Royal, Elm Grove, assignor to Lee Engineering Company, Milwaukee, Wis. Inertia differentially modified governor. 2,656,175, Oct. 20.

Lee, Royal, Elm Grove, assignor to Lee Engineering Company, Milwaukee, Wis. Drill head. 2,663,202, Dec. 22.

Lee, Samuel, Brooklyn, N. Y. Refrigerating jacket. 2,629,988, Mar. 3.

Lee-Tex Rubber Products Corporation of California, Inc., assignee: *See*—
Smith, Arthur L., and Krueger.

Lee, Thomas S., Enterprises, Inc., assignee: *See*—
Lubcke, Harry R., and Jury.

Lee, Vincenzo J., Cleveland, Ohio. Liquid vaporizer. 2,642,637, June 23.

Lee, William D., Chevy Chase, Md. Chance controlled game board. 2,664,292, Dec. 29.

Lee, William M., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. X-ray apparatus. 2,659,015, Nov. 10.

Lee, Wilson A., Amarillo, Tex. Barber's clippers stand. 2,639,820, May 26.

Lee, Yuk W., and J. B. Wiesner, Belmont, and T. P. Cheatham, Jr., Marlboro, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Apparatus for computing correlation functions. 2,643,819, June 30.

Leeberg, Edward, Roselle, N. J. Means for positioning and registering printing members on cylinders of rotary presses. 2,641,181, June 9.

Leece, John B., University Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Apparatus for removing insulation from the terminal leads of electrical members. 2,645,796, July 21.

Leece-Neville Company, The, assignee: *See*—
Gilchrist, Albert D.
Leece, John B.

Leedecke, William H.: *See*—
Brown, Charles R., and Leedecke.

Leeds and Northrup Company, assignee: *See*—
Beggs, George E., Jr., and Kozak.
Bristol, Edward S.
Cherry, Robert H., Williams, and Tarpley.
Fastie, William G.
Machler, Raymond C.
McAdam, Will.
Phillips, William E., and Huddleston.
Quereau, John F., and Teaque.
Ross, Raymond W.
Stein, Irving M.
Williams, Albert J., Jr.

Leeds, Winthrop M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,627,566, Feb. 3.

Leeds, Winthrop M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,648,745, Aug. 11.

Leef, John H., Minneapolis, Minn. Multiple ironing machine. 2,632,965, Mar. 31.

Leef, John H., Minneapolis, Minn. Multiple ironing machine. 2,632,966, Mar. 31.

Leef, John H., Minneapolis, Minn. Safety control for multiple ironing machines. 2,634,522, Apr. 14.

Leef, John H., Minneapolis, Minn. Safety control for multiple ironing machines. 2,652,643, Sept. 22.

Leef, John H., Minneapolis, Minn. Multiple ironing machine. 2,662,315, Dec. 15.

Leeman, Jan N. J.: *See*—
Fox, Willem C., and Leeman.

Leeper, Guy H., Los Angeles, Calif. Drain receptacle for bottle cleaning shot. 2,636,208, Apr. 28.

Lees, Gerald M., assignor to Akshun Mfg. Co., Chicago, Ill. Method of and means for forming flake ice. 2,659,212, Nov. 17.

Lees, Roland J., Malvern Wells, H. G. Booker, Cambridge, and C. H. Westcott, Birmingham, England. Electromagnetic radiating or receiving apparatus. 2,632,851, Mar. 24.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Spring plank for railway car trucks. 2,635,557, Apr. 21.

Leesemann, Charles J. G.: *See*—
Dinwiddie, James A., and Leesemann.

Leeson, Meldon G., York, Pa., assignor to Flakice Corporation, Brooklyn, N. Y. Ice maker. 2,633,004, Mar. 31.

Leeson, Meldon G., York, Pa., assignor to Flakice Corporation of Delaware, Brooklyn, N. Y. Ice-making apparatus and method. 2,645,910, July 21.

Leet, Jack M., Flint, assignor to General Motors Corporation, Detroit, Mich. Filter. 2,647,637, Aug. 4.

Leete, Bernard D.: *See*—
Lynch, Edward E., and Leete.

Leety, William E.: *See*—
Plossl, George W., and Leety.

Leeuwrik, Matthijs E., 't Harde, assignor to N. V. Raatbouw, The Hague, Netherlands. Machine for molding concrete. 2,632,224, Mar. 24.

Le Fave, Gene M., New Augusta, assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind. Alkyl monoamine salts of pentachlorphenol useful for controlling mites. 2,650,892, Sept. 1.

Lefebre, Maurice, Detroit, Mich. Fuel and air mixer for use in conjunction with a carburetor. 2,639,230, May 19.

Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Broom with metal handle. 2,648,860, Aug. 18.

Le Febvre, Arthur H., Washington Township, Bergen County, and D. E. D. Smith, Newark, assignors to Bendix Aviation Corporation, Teterboro, N. J. Adjustable dowel pin. 2,651,453, Sept. 8.

Lefebvre, Palma A., assignee: *See*—
McKae, John R.

Lefevre, Lorin, Great Falls, Mont. Tank cooling device and air cooling device. 2,626,791, Jan. 27.

Le Fevre, Walter J., and H. W. Moll, assignors to The Dow Chemical Company, Midland, Mich. Copolymerizing vinylidene chloride and vinyl chloride. 2,640,050, May 26.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for effecting the catalytic conversion of an organic reactant stream, particularly a liquid charge. 2,629,684, Feb. 24.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Distilling solid hydrocarbonaceous material. 2,639,263, May 19.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of heavy hydrocarbonaceous materials in the presence of subdivided coke. 2,661,324, Dec. 1.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Conversion or cracking of light and heavy oil fractions in the presence of subdivided contact material. 2,662,844, Dec. 15.

Lefferdink, Theodore B. *See*—
Stanton, George W., and Lefferdink.
Stanton, George W., Lefferdink, and Davis.
Stanton, George W., Lefferdink, and Spence.

Leffingwell Chemical Company, assignee: *See*—
Allison, John R., and Blalock.

Leffler, Earl H., Dearborn, assignor to Consolidated Brass Company, Detroit, Mich. Relief valve of the poppet type. 2,661,016, Dec. 1.

Lefief, Frank M.: *See*—
Baker, Thomas R., and Lefief.

Lefkowitz, Irving: *See*—
Brown, Eugene H. C., and Lefkowitz.

Lefrancois, Philip A.: *See*—
Riblett, Earl W., Burton, and Lefrancois.

Leftwich, Robert F., Greenwich, Conn. Sintering apparatus. 2,646,980, July 28.

Legallais, Victor A.: *See*—
Hartline, Haldan K., Rawson, and Legallais.

Legassey, Eugene J., and V. P. Leavitt, Limestone, Maine. Saw-blade supporting handle. 2,634,994, Apr. 14.

Legat, Robert C., New Britain, and E. Baretta, assignors to The G. E. Prentice Mfg. Co., Kensington, Conn. Key support. Re. 23,666, June 9.

Legault, Paul E.: *See*—
Beall, Desmond, Grant, and Legault.

Legendre, Robert G., Paris, France. Combined gas and steam power plant. 2,663,146, Dec. 22.

Legendre, Victor J., Vauxhall, and J. V. Volk, Union, assignors to Tung-Sol Lamp Works, Inc., Newark, N. J. Manufacture of grid structures. 2,654,401, Oct. 6.

Legere, John, Haddon Heights, N. J., and E. M. Groman, Philadelphia, Pa. Electric fixture pull chain stop. 2,627,569, Feb. 3.

Legg, George C. J., Brentford, and C. M. Mitchell, Heston, assignors to D. Napier & Son Limited, London, England. Machining of turbine or axial compressor blades. 2,629,208, Feb. 24.

Legg, George C. J., Brentford, and W. C. H. Crook, Hounslow, assignors to D. Napier & Son Limited, London, England. Apparatus for use in the production of plate gauges or other platelike elements having a predetermined edge contour. 2,629,282, Feb. 24.

Legg, Robert, Limited, assignee: *See*—
Schreiber, Patrick Q. R.

Legg, Victor E., Maplewood, and C. D. Owens, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance coil. 2,659,057, Nov. 10.

Legge, Walter G., Brooklyn, N. Y. Attachment for fastening articles to brushes, brooms, and the like. 2,638,618, May 19.

Legge, Walter G., Brooklyn, N. Y. Footwear with body grounding means. 2,650,327, Aug. 25.

Leggett, Guy O., Los Angeles, assignor to Merit Products, Inc., Culver City, Calif. Flexible abrasive wheel. 2,651,894, Sept. 15.

Leggett, Jasper R.: *See*—
Schaufelberger, William M., Herrick, and Leggett.

Leggett, John J.: *See*—
Gibson, Roy C., and Leggett.

Leggett, Joseph H., Montclair, and F. C. Morris, Fairlawn, N. J., assignors to Curtiss-Wright Corporation. Vehicle engine cooling system utilizing air ejector pump to induce flow of additional cooling air. 2,625,009, Jan. 13.

Leggett, Joseph H., Bloomfield, and R. M. Moyer, Great Notch, N. J., assignors to Curtiss-Wright Corporation. Dynamic engine mount. 2,656,137, Oct. 20.

Le Gloahec, Victor C. E., Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y. Ice cream containing modified gelose compound. 2,624,677, Jan. 6.

Le Gloahec, Victor C. E., Rockland, Maine, assignor to Algin Corporation of America, New York, N. Y. Recovery of seaweed mucilage. 2,624,727, Jan. 6.

Le Goff, Lucien J. A., assignor to Societe d'Electricite Mors, Clichy, France. Magnetic control system for railway traffic. 2,628,572, Feb. 17.

Legrand, Jean C., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Drill hole gauge. 2,639,512, May 26.

Le Grand, Jesse S.: *See*—
Dishal, Milton, and Le Grand.

Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of V-belts. 2,647,280, Aug. 4.

Legus, Paul L., Tacoma, Wash. Filter. 2,652,151, Sept. 15.

Lehane, Timothy J.: *See*—
Gillick, Laurance H., and Lehane.

Lehane, Timothy J., North Riverside, assignor to Vapor Heating Corporation, Chicago, Ill. Temperature control system for railway cars. 2,632,600, Mar. 24.

Lehane, Timothy J., North Riverside, assignor to Vapor Heating Corporation, Chicago, Ill. Control system for controlling the temperatures of individual enclosures. 2,660,407, Nov. 24.

Lehane, Timothy J., North Riverside, and E. W. Johnson, assignors to Vapor Heating Corporation, Chicago, Ill. Temperature control system. 2,656,111, Oct. 20.

Lehde, Henry C., Brooklyn, assignor to Control Instrument Company, Inc., New York, N. Y. Bidirectional rectifier and phase detector. 2,658,996, Nov. 10.

Lehigh, Evelyn, Mamaroneck, N. Y. Compound bed cover. 2,637,860, May 12.

Lehker, Harry J.: *See*—
Worrell, Robert L., Lehker, and Vogelsang.

Lehman, Edgar A.: *See*—
Lehman, Elenora B. and E. A.

Lehman, Edward H.: *See*—
Dath, George E., and Lehman.

Lehman, Elenora B. and E. A., Elkhart, Ind. Convertible chair. 2,633,182, Mar. 31.

Lehman, Henry R., Greenville, Miss. Scroll bending apparatus. 2,649,887, Aug. 25.

Lehman, Irvin H., Kentland, Ind. Self-sealing rotor for fluid transferring devices. 2,644,402, July 7.

Lehman, Rodney L., assignor to Brogdex Company, Pomona, Calif. Nonsweating stabilized wax composition and making the same. 2,640,040, May 26.

Lehmann, Ernst, Wallenstadt, Switzerland. Radiator. 2,651,506, Sept. 8.

Lehmann, Friedrich, administrator: *See*—
Külz, Fritz, and Schöpf.

Lehmann, George A., St. Louis, and W. E. Gundelfinger, St. Louis County, Mo. Suction mounting for can openers or the like. 2,659,560, Nov. 17.

Lehmann, Jules, Trenton, N. J., assignor to Radio Corporation of America. Computing device. 2,634,909, Apr. 14.

Lehn & Fink Products Corporation, assignee: *See*—
Deutsch, Martin K., and Stobbe.

Lehn, John U., and C. M. Weidman, Sr., assignors to Animal Trap Company of America, Lititz, Pa. Choker trap. 2,628,448, Feb. 17.

Lehner, Ray A., Claremont, N. H., assignor to Joy Manufacturing Company. Drilling apparatus. 2,638,326, May 12.

Lehr, Frederic F., assignor to Liberty Electric Company, Indianapolis, Ind. Electric cup connector. 2,640,968, June 2.

Lehr, James C.: *See*—
Bruner, Walter M., and Lehr.

Lehrer, Erwin: *See*—
Sachsse, Hans, Kosbahn, and Lehrer.

Lehrer, Norman H., Bloomfield, assignor to Chatham Electronics Corporation, Newark, N. J. Self-starting electrostatic generator. 2,644,903, July 7.

Lehrman, Harry, Jersey City, N. J. Loading and unloading elevator for trucks. 2,653,678, Sept. 29.

Leibowitz, Joseph, Brooklyn, N. Y. Stapling device. 2,652,563, Sept. 22.

Leibu, Henry J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carbonylation of aryl halides. 2,640,071, May 26.

Leich Electric Company, assignee: *See*—
Boswau, Hans P., and Reid.

Leicht, Albert G., Cincinnati, Ohio. Making dentures. 2,659,106, Nov. 17.

Leidich, Edwin E.: *See*—
Earle, Norman E., and Leidich.

Leifer, Lorenz A., and C. H. Johnson, assignors to Gisholt Machine Company, Madison, Wis. Profile turning and boring lathe. 2,627,194, Feb. 3.

Leigan, William E., assignee: *See*—
Kunkel, Elzy O.

Leigh, Albert: *See*—
Roxburgh, Albert, and Leigh.

Leigh, Robert L., assignor to Air Control Products, Inc., Coopersville, Mich. Roof ventilator. 2,628,551, Feb. 17.

Leigh, Robert L., assignor to Air Control Products, Inc., Coopersville, Mich. Grille. 2,652,133, Sept. 15.

Leigh, Thomas: *See*—
Boon, William R., and Leigh.

Leighton, Arthur S., Portland, Maine. Two-wheeled tractor. 2,626,672, Jan. 27.

Leighton, Charles R. and N. D., Limestone, Maine. Pneumatic potato separating machine. 2,653,712, Sept. 29.

Leighton, Edgar C., Springfield, Pa. License plate holder. 2,641,815, June 16.

Leighton, Herndon W., Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Electron gun centering device for cathode-ray tubes. 2,656,481, Oct. 20.

Leighton, John W., Port Huron, Mich. Means for adjusting the angularity of independently sprung wheels. 2,631,866, Mar. 17.

Leighton, John W., Port Huron, Mich. Pivot bar and mounting bracket. 2,635,927, Apr. 21.

Leighton, John W., Port Huron, Mich. Form cutting tool. 2,661,524, Dec. 8.

Leighton, Noel D.: *See*—
Leighton, Charles R. and N. D.

Leln, Valdemar A., Driscoll, N. Dak. Self-opening and closing bump gate. 2,637,921, May 12.

Leippe, Richard M., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque balancing adjuster for electrical meters. 2,626,297, Jan. 20.

Leippe, Richard M., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical watthour meter. 2,658,178, Nov. 3.

Leisk, Roland T., East Chicago, assignor to American Steel Foundries, Chicago, Ill. Bolster. 2,637,280, May 5.

Leistensnider, George P., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Molding O-ring gaskets. 2,646,595, July 28.

Leister, Robert E.: *See*—
Singel, John B., Leister, and Heck.

Leistner, William E., and O. H. Knoepke, Brooklyn, N. Y., assignors to Argus Chemical Laboratory, Inc. Halogen containing resin stabilized with an organo tin compound. 2,641,588, June 9.

Leistner, William E., Brooklyn, and A. C. Hecker, Richmond Hill, N. Y., assignors to Argus Chemical Laboratory, Inc. Organic derivatives of tetravalent tin. 2,641,596, June 9.

Leisy, Clifford J., assignor to Boeing Airplane Company, Seattle, Wash. Aircraft interconnecting mechanism. 2,663,523, Dec. 22.

Leitch, John D., Shaker Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Combination of an electric switch and air core reactor for protecting electrical equipment from excessive fault currents. 2,626,377, Jan. 20.

Leitch, John D., Shaker Heights, and W. L. Smith, Hudson, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Overspeed protection means for direct current motor operated hoists. 2,634,389, Apr. 7.

Leitenberger, William C.: *See*—
Portzer, Lloyd B., and Leitenberger.

Leitschuh, Charles, assignee: *See*—
Romine, Paul W., and Armstrong.

Leitz, Ernst, G. m. b. H., assignee: *See*—
Broschke, Heinrich.
Keinath, Johannes, Kuhn, Boss, and Leitz.
Klein, Walter.
Leitz, Ernst, Jr., Englemann, and Bröhl.
Ludewig, Maximilian.
Marx, Helmut.
May, Erwin.
Ravizza, Gottfried, Keiner, and Klein.
Rinker, Wilhelm.
Rösch, Siegfreid.
Stein, Wilhelm.
Wagner, Adam, Bröhl, and Jung.
Wehrenfennig, Hugo.
Wehrenfennig, Hugo, and Leitz.

Leitz, Ernst, Jr., M. Englemann, and A. Bröhl, assignors to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Prism system for binocular microscopes. 2,660,090, Nov. 24.

Leitz, Ludwig: *See*—
Keinath, Johannes, Kuhn, Boss, and Leitz.
Wehrenfennig, Hugo, and Leitz.

Le Jeune, Frank H., Jackson, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Riveting machine. 2,635,777, Apr. 21.

Lekan, Vincent: *See*—
Fuchs, William F., and Lekan.

Leland, G. H., Inc., assignee: *See*—
Leland, George H.

Leland, George H., assignor to G. H. Leland, Inc., Dayton, Ohio. Electromagnetic power mechanism. 2,626,681, Jan. 27.

Leland, George H., assignor to G. H. Leland, Inc., Dayton, Ohio. Device for controlling the tension of a longitudinally moving wire. 2,640,663, June 2.

Leland-Gifford Company, assignee: *See*—
Hirvonen, Eric J.
Roys, Alden T.

Leland Stanford Junior University, The, Board of Trustees of The, assignee: *See*—
Field, Lester M.
Varian, Russell H., Hansen, and Woodyard.

Leland, Ted, Sacramento, Calif. Pneumatic ash tray for automotive vehicles. 2,656,039, Oct. 20.

Leland, Wallace T., St. Paul, Minn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrometer ion source. 2,643,341, June 23.

l'Electronique Moderne S. A. R. L., assignee: *See*—
Pierre, Emile A.

Lelyveld, Joseph, Rockland, Mass. Shoe heel end construction. 2,635,362, Apr. 21.

Lemaigre-Voreaux, Pierre, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gas Rares-Etablissements Claude-Paz et Silva, Paris, France. Electric discharge device. 2,659,834, Nov. 17.

Lemaire, Jacques P., Lille, France. Drawing-head of spinning machines. 2,629,900, Mar. 3.

Le Maistre, John W., and I. W. Grote, assignors to The Chattanooga Medicine Company, Chattanooga, Tenn. Aluminum salts of dibasic amino acids. 2,641,604, June 9.

Leman, Arthur L., Houston, Tex. Cylinder liner and sleeve assembly for reciprocating pumps. 2,640,434, June 2.

Lemanski, Bernard, Bad Axe, Mich. Adjustable conveyer for harvester pickups. 2,644,291, July 7.

Lemelson, Jerome H., Staten Island, N. Y. Toy cap. 2,654,973, Oct. 13.

Lemieux, Adalbert, Vancouver, British Columbia, Canada. Dumbbell with adjustable weights. 2,640,696, June 2.

Lemmerman, C. W., Inc., assignee: *See*—
Lemmerman, Carl W.

Lemmerman, Carl W., West Hartford, assignor to C. W. Lemmerman, Inc., Hartford, Conn. Air-cooled exhaust muffler with sound absorbing panels. 2,661,072, Dec. 1.

Lemmers, Eugene: *See*—
Keiffer, Raymond L., and Lemmers.

Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device. 2,627,046, Jan. 27.

Lemmon, Norman E., and R. E. Karll, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Asphalt composition. 2,632,712, Mar. 24.

Lemmon, Norman E., Hammond, F. W. Schuessler, Valparaiso, Ind., and D. W. Bransky, assignors to Standard Oil Company, Chicago, Ill. Extraction of sulfuric acid sludge. 2,654,777, Oct. 6.

Lemoine, Gaston: *See*—
Perrier, Fernand, and Lemoine.

Lemos, Albert, Jr., Hinsdale, and R. Cunningham, Jr., Downers Grove, assignors to Vapor Heating Corporation, Chicago, Ill. Water heater having extensive heat transfer surfaces. 2,638,878, May 19.

Lemos, Anthony G., Plainfield, N. J. Window. 2,654,918, Oct. 13.

Lempco Products, Inc., assignee: *See*—
Blazek, John Y.
Smole, Jack F., and Collier.
Strnad, James J.

Lenard, Frederick P., and G. W. Methven, assignors to The New Merton Board Mills Limited, London, England. Producing multiply metal-foil-cardboard material and producing articles formed of such material. 2,643,593, June 30.

Lendved, John W., and E. A. C. Eickstaedt, assignors to Chain Belt Company, Milwaukee, Wis. Motor control mechanism for concrete mixer power plants. 2,645,947, July 21.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Watthour meter having preformed current windings. 2,656,512, Oct. 20.

Lenehan, Joseph W.: *See*—
Phyl, Joseph, and Lenehan.

Lengyel, Aline, nee Panas, Paris, France. Make-up pencil. 2,629,889, Mar. 3.

Lenit, Barney, Chicago, Ill. Parlor baseball game apparatus. 2,629,597, Feb. 24.

Lenke, George H., Elmhurst, assignor of one-half to J. J. Ohlis, Oak Park, Ill. Grid construction for rooflight. 2,655,881, Oct. 20.

Lenkurt Electric Co., Inc., assignee: *See*—
Erickson, Lennart G., and Appert.

Lennen, Guy B., Shirley, Ind. Fishhook releaser. 2,651,132, Sept. 8.

Lennon, Robert J., Moline, Ill. Gun mount brake mechanism. 2,642,958, June 23.

Le Noir, Chester W., San Francisco, Calif. Telephone support and switch control mechanism. 2,657,278, Oct. 27.

Lens, Georges X.: *See*—
Bracke, Oscar J. J., and Lens.

Lens, Georges X., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Switch controlled by bars actuated in various combinations. 2,636,398, Apr. 28.

Lens, Georges X., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Switching mechanism. 2,647,166, July 28.

Lenta, Joseph G., Duluth, Minn. Rearview mirror. 2,649,028, Aug. 18.

Lenth, John, Rochester, Minn. Corn picker. 2,660,467, Nov. 24.

Lentjes, Carl G.: *See*—
Florschutz, Fritz E., and Lentjes.

Lento, Louis L., Jr.: *See*—
Vingee, Raymond A., and Lento.

Lentz, David M., Maple Heights, Ohio. Heated wiper mechanism. 2,656,448, Oct. 20.

Lentz, Kendrick W., Rifle, Colo. Rotary elastic drum blender. 2,630,301, Mar. 3.

Lentz, Leonard L.: *See*—
Nystrom, Karl F., and Lentz.

Lentz, Marshall E., Bedford, Ind., assignor to General Motors Corporation, Detroit, Mich. Core lifting and setting fixture. 2,663,919, Dec. 29.

Lentz, Marshall E., and A. J. Anderson, Bedford, and H. L. Driffill, deceased (by C. Wantland, executrix) Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Core lifting and setting fixture. 2,663,058, Dec. 22.

Lenz, Bernhart J., Merced, assignor of one-half to O. W. Shelton, Carmel, Calif. Combined socket wrench and nut-ejector. 2,651,229, Sept. 8.

Lenz, Konrad: *See*—
Zeller, Karl, and Lenz.

Léon, Joseph, Choisy-le-Roi, assignor, by mesne assignments, to "Elipson" S. A., Paris, France. Sound transmitting device with an ellipsoidal reflector. 2,643,727, June 30.

Leonaitis, Leonard L., assignor to Abbott Laboratories, North Chicago, Ill. Inhaler. 2,641,255, June 9.

Leonard, Byron H., Jr., St. Louis, Mo., assignor to the United States of America as represented by the Secretary of the Interior. Floating connection. 2,639,172, May 19.

Leonard, Frank, assignee: *See*—
Wyza, John.

Leonard, Frederick, Jackson Heights, assignor to Warner-Hudnut, Inc., New York, N. Y. Substituted esters of cyclic alcohols. 2,662,887, Dec. 15.

Leonard, Gordon, Kansas City, Mo. Container. 2,661,138, Dec. 1.

Leonard, Herbert C.: *See*—
Crandon, Frank P., and Leonard.

Leonard, John T., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant feeder valve for centralized lubricating systems. 2,627,939, Feb. 10.

Leonard, Merrill G.: *See*—
Hodnette, John K., and Leonard.

Leonard, Merrill G., Sharon, Pa., and J. A. Guidosh, Hubbard, Ohio, assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control device. 2,630,092, Mar. 3.

Leonard, Perry, Effingham, Kans. Rear vision mirror support for tractors. 2,636,418, Apr. 28.

Leonard Spark Plug Co., Inc., assignee: *See*—
Ingram, Maxwell.

Leonard, Vincent W., Saugus, Mass., assignor to General Electric Company. Electric switch. 2,644,047, June 30.

Leonard, Virginia: *See*—
Hare, Milton D., and Leonard.

Leonard, William T., assignor to Textile Trimming & Boarding Machine Co., Inc., Reading, Pa. Control means for buttonholing apparatus. 2,645,190, July 14.

Leone, David P., assignee: *See*—
Leone, Otto J.

Leone, Otto J., West Newton, assignor of one-half to D. P. Leone, Donora, Pa. Method and apparatus for controlling blast furnaces. 2,625,386, Jan. 13.

Leong, Chew Hock, Singapore, Straits Settlements. Combined cigarette support, extinguisher, and economizer. 2,639,718, May 26.

Leonhard, Herbert F., assignor to W. J. Savage Company, Knoxville, Tenn. Grain cutting and polishing machine. 2,633,885, Apr. 7.

Leontis, Thomas E., Midland, and J. F. Pashak, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Fiberizing magnesium. 2,657,796, Nov. 3.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,129, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,130, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,131, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,132, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,133, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,134, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,135, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,136, Nov. 17.

Leontis, Thomas E., and R. S. Busk, assignors to The Dow Chemical Company, Midland, Mich. Composite alloy. 2,659,137, Nov. 17.

Le Pechoux, André, Des-Chenes, Quebec, Canada. Rotary engine. 2,651,295, Sept. 8.

Lepkowski, Thomas W., New York, N. Y. Apparatus for defibering fibrous material. 2,635,298, Apr. 21.

Lepkowski, Thomas W., New York, assignor of one-half to M. Silon, Brooklyn, N. Y. Combined ball-point marking compass, dividers and scriber. 2,663,936, Dec. 29.

Le Pome, Charles J.: *See*—
De Tar, Le Los F., and Le Pome.

Leppich, Elsa L., Seattle, Wash. Antisnoring device. 2,627,268, Feb. 3.

Lepponen, Peter H., Walden, Colo. Auto bumper guard. 2,650,851, Sept. 1.

Lerbs, Alfred, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Ultra-short wave transmitting and amplifying tube. 2,633,505, Mar. 31.

Le Renard, Louis G. M., deceased, by S. S. D. Le Renard, née Herrenschmidt, administratrix, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Mixer for gas burners. 2,655,992, Oct. 20.

Le Renard, Suzanne S. D.: *See*—
Le Renard, Louis G. M.

Lerman, Monroe A., Sunnyside, N. Y. Foldable wheel chair. 2,641,306, June 9.

Lermer, August S., New York, N. Y. Means and method for mechanically assembling nomographic charts. 2,635,806, Apr. 21.

Lerner, Henry C., Birmingham, and R. Neuschül, Yardley, Birmingham, assignors to Evans Components Co. Limited, Birmingham, England. Vanity case. 2,635,613, Apr. 21.

Le Roi Company, assignee: *See*—
Gerst, Chris.
Gunning, Samuel D.

Le Rouax, Robert K., assignor to Oil Center Tool Company, Houston, Tex. Well packer and anchoring means therefor. 2,633,918, Apr. 7.

Leroy, Denis, Rennes, France. Apparatus for limb reeducation. 2,642,286, June 16.

Le Roy, Eugene: *See*—
Murdock, Joseph K., and Le Roy.
Murdock, Joseph K., Le Roy, and Oswald.

Leroy, Louis, Altadena, assignor to McCaffrey-Ruddock Tagline Corporation, Los Angeles, Calif. Dual spring take-up reel. 2,658,698, Nov. 10.

Lerza, Francis F., Los Angeles, and E. S. Knox, Glendale, assignors to Pakco Company, Los Angeles, Calif. Eddy current heater. 2,635,168, Apr. 14.

Les Glaceries de la Sambre, Societe Anonyme, assignee: *See*—
De Bay, Lucien L. C.
Laverdisse, Edmond.
Laverdisse, Edmond J. G.

Les Laboratoires Dausse (Societe Anonyme), assignee: *See*—
Chabrier, Pierre, Giudicelli, and Génot.

Les Laboratoires Francais de Chimiotherapie, assignee: *See*—
Lardé, Raymond, and Pesez.

Les Usines de Melle (Societe Anonyme), assignee: *See*—
Alhéritière, Louis.
Mention, Maurice, and Mercier.
Rigon, Lino.

Les Veaux, John F.: *See*—
Russo, Vincent J., and Les Veaux.

Lescieux, Pierre E. E.: *See*—
Grenier, Joseph P., and Lescieux.

Lesco Ltd., assignee: *See*—
Klein, Ludolf.

Lesher, Carl E., Ben Avon Heights, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Discharging solids and gases from a fluidized bed. 2,654,699, Oct. 6.

Lesher, Eleanor P., Wareham, Mass. Surgical dressing. 2,632,443, Mar. 24.

Lesher, Ralph H., Minneapolis, Minn. Rotary gas engine. 2,627,253, Feb. 3.

Lesher, Robert B.: *See*—
Greene, Claude E., and Lesher.

Lesigne, Henri L., Vanves, assignor to Compagnie Industrielle des Telephones, Paris, France. Selector marking system. 2,629,019, Feb. 17.

Lesigne, Henri L., Vanves, France, assignor to Compagnie Industrielle des Telephones. Register system for receiving several codes. 2,662,935, Dec. 15.

Lesikar, Woodrow V., Houston, Tex. Hatrack. 2,640,594, June 2.

Lesk, Norman: *See*—
Schafler, Norman I., and Lesk.

Leskovec, Frank A.: *See*—
Smid, James, Smith, and Leskovec.

Leslie, Albert, Shanesville, Pa. Sway control for motor vehicles. 2,631,692, Mar. 17.

Leslie, Albert, Shanesville, Pa. Ice sway control. 2,648,402, Aug. 11.

Leslie, Allan C., Watrous, Saskatchewan, Canada. Floor laying tool. 2,654,408, Oct. 6.

Leslie, Deltan L., Birmingham, and R. H. Mustonen, Detroit, assignors to The Gear Grinding Machine Company, Hamtramck, Mich. Machine for fastening end portions of prismatic bodies. 2,641,090, June 9.

Leslie, Fred D., Malverne, N. Y., and H. E. Bragg, Oxford, N. J., assignors to Twentieth Century Fox Film Corporation, New York, N. Y. System for removal of heat energy from light beams. 2,628,525, Feb. 17.

Leslie, James D., Detroit, and C. H. Schamel, Royal Oak, assignors to General Motors Corporation, Detroit, Mich. Door lock. 2,641,495, June 9.

Leslie, John D.: *See*—
Betts, Raymond L., and Leslie.
Fell, William K., and Leslie.

Leslie, John F., Mishawaka, Ind. Buffing wheel. 2,660,841, Dec. 1.

Lesniak, Frank G., Laurel, Miss., and L. G. Janett, Chicago, Ill., assignors to Masonite Corporation, Laurel, Miss. Apparatus and process for baking sheet material. 2,637,120, May 5.

Lesniak, Stanley J., Chicago, Ill. Two-directional dynamic braking circuit. 2,646,541, July 21.

Less, Frank W., Kenmore, E. C. Roeck, Buffalo, and J. C. Searer, Kenmore, assignors to Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y. Mold making composition. 2,662,067, Dec. 8.

Less, Joseph W., Clinton, Iowa. Collar attachment. 2,639,435, May 26.

Lessard, Alfred M., Snoqualmie, Wash. Safety switch. 2,626,328, Jan. 20.

Lesselis and Associates, Inc., assignee: *See*—
Hewson, Thomas A.

Lesslie, Thomas E., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. N-thio pyrrolidines. 2,648,673, Aug. 11.

Lestakis, Christy N., Portland, Oreg. Nursing bottle. 2,630,932, Mar. 10.

Lester Engineering Company, assignee: *See*—
Schwartz, William H.

Lester, George C., Tulsa, Okla. Shoelace. 2,639,481, May 26.

Lester, John B., Freeport, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Momentary action actuator. 2,648,234, Aug. 11.

Lester, John T.: *See*—
Ake, Paige W., and Lester.

Lester, Lawson L., Jr., Martinsville, Va. Doorframe. 2,651,814, Sept. 15.

Lestershire Spool and Manufacturing Company, assignee: *See*—
Crooks, Earl G.

Lesti, Arnold, Nutley, N. J. Color television receiver. 2,657,257, Oct. 27.

Le Tang, Leo R., Cincinnati, Ohio. Missal stand. 2,639,541, May 26.

Letien, Peter A., Houston, Tex. Stepped edge cutting tool. 2,646,701, July 28.

Le Tourneau, George J., Central Falls, R. I. Baseball bat grip. 2,659,605, Nov. 17.

Le Tourneau, Inc., assignee: *See*—
Johnson, Ray W.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Blade control unit for bulldozing machines. 2,624,961, Jan. 13.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Lathe. 2,627,197, Feb. 3.

Le Tourneau, Robert G., Longview, Tex. Snap switch. 2,629,791, Feb. 24.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Bulldozing machine. 2,630,638, Mar. 10.

Le Tourneau, Robert G., assignor to R. G. Le Tourneau, Inc., Longview, Tex. Track tilt control system for cranes. 2,631,736, Mar. 17.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Rear endgate actuating mechanism for carry-type scrapers. 2,637,124, May 5.

Le Tourneau, Robert G., assignor to R. G. Le Tourneau, Inc., Longview, Tex. Bending roll. 2,640,525, June 2.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Longview, Tex., and Peoria, Ill. Earth working tool. 2,655,089, Oct. 13.

Letts, Orlando A., Montreal, Quebec, Canada. Inserted tooth rock drill. 2,649,284, Aug. 18.

Leuch, Werner P., assignor to Hall Harding Limited, London, England. Diazotype photoprinting materials. 2,659,672, Nov. 17.

Leuchs, Friedrich, and H. Zöllner, Rothenbach (Pegnitz), assignors to C. Conradty, Nurnberg, Germany. Electrode of carbon. 2,650,943, Sept. 1.

Leupold, Glenn W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Lined container and welded joint therein. 2,656,949, Oct. 27.

Leupold & Stevens Instruments, Inc., assignee: *See*—
Stevens, John C.

Leutz, Koerner E., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Gas purification. 2,641,526, June 9.

Leutz, Koerner E., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Recovery of sulfur from gases. 2,641,527, June 9.

Leutz, Koerner E., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. Removal of objectionable sulfur compounds from mineral oil distillates. 2,641,571, June 9.

Leuze, William H., assignor to Triumph Manufacturing Company, Cincinnati, Ohio. Removable seal for food processing equipment. 2,649,317, Aug. 18.

Lev, Milton S.: *See*—
Spence, Andrew, Lev, and Reddie.

Leva, Max, Pittsburgh, Pa., assignor to The United States Stonewear Company. Tower packing. 2,639,909, May 26.

Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Fluid compressor unit. 2,641,405, June 9.

Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Gas receiver-liquid separator unit. 2,642,954, June 23.

Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Control device for fluid compressors. 2,661,893, Dec. 8.

Le Van, Ambrose E., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Air volume regulator. 2,642,747, June 23.

Le Van, James O., assignor to Hamilton Watch Company, Lancaster, Pa. Equitorque bearing. 2,654,990, Oct. 13.

Levan, Walter W., Fleetwood, Pa. Crane arm for trucks. 2,644,595, July 7.

Levand, Victor A., Jr.: *See*—
Bechard, Conrad E., and Levand.

Le Vay, Alex P., Dayton, Ohio. Table for constructing building frames. 2,662,565, Dec. 15.

Levay, Eugene, New York, N. Y. Drum. 2,655,071, Oct. 13.

Levay, Eugene, New York, N. Y. Electromagnetic pickup stick game apparatus. 2,636,737, Apr. 28.

Leveke, Chester I., Des Moines, Iowa. Endless tread for vehicles. 2,641,512, June 9.

Levell, Derek A., Highbury, London, assignor to A. C. Cossor Limited, London, England. Voltage generating circuit. 2,662,178, Dec. 8.

Level Line Ceiling Inc., assignee: *See*—
Jacobson, Victor.

Leven, Samuel, Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Side board-equipped disintegrating mechanism. 2,659,586, Nov. 17.

Levenson, Nathan, Hartford, Conn. Hose supporter. 2,647,265, Aug. 4.

Levenstein, Israel, deceased, by J. Goldberg, New York, and C. A. Sklar, Belle Harbor, N. Y., executors. Race game apparatus. 2,635,877, Apr. 21.

Leventhal, Gabriel, New York, N. Y. Undergarment. 2,628,353, Feb. 17.

Leventhal, Leon C., Ossining, N. Y. Vacuum breaker for water supply systems. 2,646,815, July 28.

Leventhal Patents, Inc., assignee: *See*—
Greene, Percy E.

Lever Brothers Company, assignee: *See*—
Boldingh, Jan.
Fulmer, Carl G., and Int-Hout.
Goldwasser, Seymore.
James, Edward M.
Paterson, William J.
Savidge, Leslie N., and Thomas.
Squire, Frederick J., and Stengel.
Thomas, Richard.

Lever Motors Corporation, assignee: *See*—
Chronic, Clarence C., and Shaffer.

Leverence, Peter J.: *See*—
Goldschmidt, Herbert A., and Leverence.

Leverte, Robert J., Elmont, assignor to S. C. Miller, deceased (R. E. Miller, executrix), New York, N. Y. Fastening collar for attaching a cylindrical element to a perforated plate. 2,664,132, Dec. 29.

Le Vesconte, Harold J., assignee: *See*—
Craig, Teddie O., Jr., and Lewis.

Levesque, George N., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Measuring machine. 2,633,642, Apr. 7.

Levesque, Henry R., Nashua, N. H., assignor to United Shoe Machinery Corporation, Flemington, N. J. Preparing binder wire for attachment to shoes. 2,661,031, Dec. 1.

Levesque, Marie A., Peabody, Mass. Cleaning oxide from oxidized molybdenum wire. 2,626,224, Jan. 20.

Levesque, Yvonne A., Elmwood, Conn. Pin curl clip container. 2,631,735, Mar. 17.

Levetus, Francis B., assignor to The Keelavite Company Limited, Allesley, Coventry, England. Control system for reversible hydraulic motors. 2,624,321, Jan. 6.

Levi, Ormonde S., assignor to Verd-A-Ray Processing Company, Toledo, Ohio. Staining glass, glass staining compositions, and stained glass article. 2,662,035, Dec. 8.

Levi, Ormonde S., assignor to Verd-A-Ray Processing Company, Toledo, Ohio. Staining glass and glass staining composition. 2,662,036, Dec. 8.

Levi, Ormonde S., assignor to Verd-A-Ray Processing Company, Toledo, Ohio. Staining glass and glass staining composition. 2,662,037, Dec. 8.

Levin, Abraham S., Philadelphia, Pa. Refrigerated display case. 2,627,728, Feb. 10.

Levin, Carl A., Park Ridge, assignor to Ditto, Incorporated, Chicago, Ill. Drive control means for rotary duplicating machines. 2,629,322, Feb. 24.

Levin, Carl A., Park Ridge, assignor to Ditto, Incorporated, Chicago, Ill. Drum stop mechanism for rotary duplicating machines. 2,645,174, July 14.

Levin, Carl A., Park Ridge, assignor to Ditto, Incorporated, Chicago, Ill. Shiftable sheet feeding device for duplicating machines. 2,660,431, Nov. 24.

Levin, Carl A., Park Ridge, and O. L. Smith, Oak Park, assignors to Ditto, Incorporated, Chicago, Ill. Registration means for duplicating machines. 2,643,607, June 30.

Levin, Carl A., Park Ridge, and R. W. Quirk, assignors to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,661,686, Dec. 8.

Levin, David: *See*—
Allen, Scott E., and Levin.

Levin, Ella, Tel Aviv, Palestine. Variable-speed gear. 2,630,021, Mar. 3.

Levin, Israel, Chicago, Ill. Registering device for printing presses. 2,628,558, Feb. 17.

Levin, Max, Chicago, Ill. Bed sheet. 2,630,588, Mar. 10.

Levin, Robert H.: *See*—
Mariatt, Paul E., Hanze, McIntosh, and Levin.

Levin, Robert H., and A. V. McIntosh, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. Bisnorcholan-4,6-dien-3-one-22-al. 2,624,748, Jan. 6.

Levin, Robert H., and A. V. McIntosh, Jr., Kalamazoo, Mich., and A. P. Centolella, Elkhart, Ind., assignors to The Upjohn Company, Kalamazoo, Mich. Steroid-aldehyde cyanohydrins. 2,625,545, Jan. 13.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3, 20-diacyloxy-5,7,9 (11), 17 (20)-pregnatetraene adducts. 2,625,546, Jan. 13.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3 - beta - hydroxy - 5,7,9 - (11) - pregnatriene - 12,20-dione. 2,628,240, Feb. 10.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Adduct of 5,7,9(11)-pregnatrien-20-one. 2,636,031, Apr. 21.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Adducts of 3-substituted-9,11-oxido-5,7-pregnadien-20-ones. 2,655,499, Oct. 13.

Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. 3 - beta - acyloxy - 5,7,9(11)- pregnatrien - 12,20 - diones. 2,655,516, Oct. 13.

Levine, Arnold M.: *See*—
Grieg, Donald D., Levine, and Estes.

Levine, Bessie S., assignee: *See*—
Levine, Jacob L.

Levine, Betty, New York, N. Y. Garment bag. 2,644,589, July 7.

Levine, Charles, and D. Sallan, Los Angeles, assignors to Mesh-Lite Engineering & Research Corp., Hollywood, Calif. Mounting for artificial dentures. 2,629,929, Mar. 3.

Levine, Daniel, Dayton, Ohio. Computer for nonlinear amplifiers. 2,636,674, Apr. 28.

Levine, David I., Swampscott, assignor to Spring Unit Development Co., Lynn, Mass. Spring coil for cushions, mattresses, and the like. 2,641,758, June 9.

Levine, Edward P., assignee: *See*—
Campbell, Robert C.

Levine, Harry, Brooklyn, N. Y. Apparatus for mounting end stops on slide fastener stringers. 2,631,638, Mar. 17.

Levine, Ira, Chicago, Ill. Fishline holder. 2,639,869, May 26.

Levine, Irving, Jersey City, N. J. Priming device for starting engines. 2,641,240, June 9.

Levine, Irving E., Albany, assignor to California Research Corporation, San Francisco, Calif. Oxidation process. 2,653,165, Sept. 22.

Levine, Jack W.: *See*—
Overland, Leo D., and Levine.

Levine, Jacob L., assignor to B. S. Levine, New York, N. Y. Composition for reconditioning used typewriter ribbons. 2,644,766, July 7.

Levine, Joseph, Irvington, N. J. Roller supporting cage for roller bearings. 2,644,730, July 7.

Levine, Louis, Toronto, Ontario, Canada. Electric steaming and pressing iron. 2,634,525, Apr. 14.

Levine, Mac, Worcester, Mass. Joint connection. 2,657,439, Nov. 3.

Levine, Max, assignee: *See*—
Epstein, Hyman.

Levine, Morris, Brooklyn, N. Y. Toy simulating actions of a fowl. 2,633,666, Apr. 7.

Levine, Paul, Cleveland Heights, Ohio. Buckle. 2,635,313, Apr. 21.

Levine, Paul, Jamaica, N. Y. Drapery hook. 2,647,574, Aug. 4.

Levine, Samuel: *See*—
Cohen, Abraham J., Levine, Caminear, and Price.

Levinson, Benjamin, assignee: *See*—
Nowell, Richard A.

Levinson, Doris M.: *See*—
Trope, Davida R., Mock, and Levinson.

Levinson, Harry: *See*—
Stoner, George H., Becker, and Levinson.

Levitt, Beryl L.: *See*—
Weldon, John J., and Levitt.

Levitt, Percy B., Millburn, and T. Anderson, Roselle, N. J., assignors to Cities Service Research and Development Company, New York, N. Y. Valve mechanism. 2,631,573, Mar. 17.

Levitt, Percy B., Millburn, and J. D. Morgan, South Orange, N. J., assignors, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y. Rate of rise-dive indicator. 2,638,786, May 19.

Levkoff, David, Great Neck, N. Y. Folding box or carton. 2,634,900, Apr. 14.

Levkoff, David, Great Neck, N. Y. Carton blank. 2,664,236, Dec. 29.

Levrero, Hugo, A., Montevideo, Uruguay. Gradient indicating level. 2,627,666, Feb. 10.

Levtwyler, Charles L.: *See*—
Sharp, Fred L., and Levtwyler.

Levy, Anthony L.: *See*—
Heilbron, Ian, Cook, and Levy.

Levy, Benjamin, Kansas City, Mo., assignor of two-thirds to W. G. Wilson, Stratford, Conn. Silent air compressor. 2,626,740, Jan. 27.

Levy, Ernest, Jr., Bronx, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn. Means for more easy starting of inverters at light loads. 2,626,378, Jan. 20.

Levy, Ernest, Jr., Bronx, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn. Inverter. 2,644,126, June 30.

Levy, Gabor B., Lawrenceburg, Ind., assignor to Schenley Industries, Inc., New York, N. Y. Electrolytic production of dihydrostreptomycin and salts thereof. 2,663,685, Dec. 22.

Levy, Hilton B.: *See*—
Wallerstein, James S., Hale, Alba, and Levy.

Levy, Irving: *See*—
Billet, Philip, and Levy.

Levy, Isaac, Laurelton, N. Y. Heat reducing attachment for light fixtures, including spaced upper and lower heat restrictors. 2,638,531, May 12.

Levy, Joshua P.: *See*—
Bloom, Mortimer C., and Levy.

Levy, Maurice J., administrator: *See*—
Richmond, Nelson R., and Perin.

Levy, Maurice M.: *See*—
Farren, Leslie I., Head, and Levy.

Levy, Maurice M., assignor to The General Electric Company Limited, London, England. Electrical pulse code signaling system. 2,641,740, June 9.

Levy, Maurice M., assignor to The General Electric Company Limited, London, England. Thermionic valve integrating circuits. 2,652,490, Sept. 15.

Levy, Maurice M., Earls Court, assignor to The General Electric Company Limited, London, England. Pulse generating and selecting apparatus. 2,654,028, Sept. 29.

Levy, Maurice M., Ottawa, Ontario, Canada, assignor to The General Electric Company Limited, London, England. Multichannel pulse signaling system. 2,642,497, June 16.

Levy, Maurice M., Ottawa, Ontario, Canada, assignor to The General Electric Company Limited, London, England. Switching device. 2,651,718, Sept. 8.

Levy, Maurice M., Earls Court, and D. C. Espley, North Wembley, assignors to The General Electric Company, Limited, London, England. Multichannel signaling system. 2,627,553, Feb. 3.

Levy, Morris, Philadelphia, Pa. Automatic and manually operated multiple switch fire alarm station. 2,652,463, Sept. 15.

Levy, Morris, Philadelphia, Pa. Automatic and manually operated fire alarm signal station. 2,652,468, Sept. 15.

Levy, Oscar C., Chicago, Ill., assignor to American Totalisator Company, Inc., Baltimore, Md. Computer. 2,652,977, Sept. 22.

Levy, René L., also known as R. Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Liquid spring shock-absorber. 2,650,820, Sept. 1.

Levy, René L., also known as René Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Oleo-pneumatic suspension system for automobiles and like vehicles. 2,653,021, Sept. 22.

Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Hydraulic remote control system, including transmitter and receiver stations and means for automatically resynchronizing the receiver. 2,657,535, Nov. 3.

Levy, René L., Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Means for compensating for liquid volume variations in hydraulic remote control systems. 2,657,536, Nov. 3.

Levy, Robert M.: *See*—
Schur, Milton O., and Levy.

Levy, Samuel S., Paterson, N. J. Block assembly. 2,627,176, Feb. 3.

Levy, Sidney, assignor to The National Cash Register Company, Dayton, Ohio. Indicator illuminating device. 2,640,144, May 26.

Levy, Sidney E., White Plains, and A. B. Cohen, Bronx, assignors to University Loudspeakers, Inc., White Plains, N. Y. Loud-speaker diaphragm with transversely arched stiffener means. 2,641,329, June 9.

Lew, Baak W.: *See*—
Kass, Peter, and Lew.

Lew, Baak, W., Arden, assignor to Atlas Powder Company, Wilmington, Del. Fiber bonding resin and bonded product. 2,658,849, Nov. 10.

Lew, Jacob B., assignee: *See*—
Sakirsky, Jack.

Lewandoski, Anton N., Detroit, Mich. Matrix assembly stick. 2,652,145, Sept. 15.

Lewandowski, Bernard C. and F. V., Buffalo, N. Y. Baby cuff. 2,663,295, Dec. 22.

Lewandowski, Frank V.: *See*—
Lewandowski, Bernard C. and F. V.

Lewel Manufacturing Company, Inc., The, assignee: *See*—
Lewis, Benn.

Lewenstein, Mozes J., Kew Gardens, N. Y. Analgesic compounds and compositions. 2,628,185, Feb. 10.

Lewenstein, Mozes J., Kew Gardens, N. Y. Narcotic medicaments. 2,630,400, Mar. 3.

Lewenstein, Mozes J., Richmond Hill, N. Y. Pharmaceutical product for dysmenorrhea. 2,646,385, July 21.

Lewin, Gerhard, Maplewood, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electric discharge device. 2,627,481, Feb. 3.

Lewin, Gerhard, Maplewood, and E. A. Goldman, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device cathode. 2,640,171, May 26.

Lewin, Jacob W., deceased, Oak Park, Ill.; L. E. Lewin, administratrix. Centerless metalworking fixture. 2,630,728, Mar. 10.

Lewin, Jacob W., deceased, Oak Park, Ill.; L. E. Lewin, administratrix. Rocking type pipe bender with adjustable gauge means. 2,656,747, Oct. 27.

Lewin, Lillie E., administratrix: *See*—
Lewin, Jacob W.

Lewin-Mathes Company, assignee: *See*—
Kenyon, Robert C.
Schweich, Edward F.

Lewin, Mordcha M., New York, N. Y. Adjustable bed mattress. 2,649,595, Aug. 25.

Lewing, Albert W.: *See*—
Wright, John H., and Lewing.

Lewis, Albert M., Grosse Pointe Woods, Mich. Bun warmer. 2,636,969, Apr. 28.

Lewis, Alfred H., assignor to Dominion Engineering Works Limited, Montreal, Quebec, Canada. Immersion type thermocouple temperature measuring device. 2,660,061, Nov. 24.

Lewis, Allen H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Noncaking alkyl aryl sulfonate detergent compositions. 2,631,980, Mar. 17.

Lewis, Allen H., Berkeley, and R. D. Stayner, Albany, assignors to California Research Corporation, San Francisco, Calif. Amides of alkane phosphonic acids. 2,648,706, Aug. 11.

Lewis, Allen H., and R. D. Stayner, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Piguanidine amides of alkane phosphonic acids. 2,655,533, Oct. 13.

Lewis, Arthur J.: *See*—
Cowan, John C., Falkenburg, and Lewis.

Lewis, Arthur J., Stratford, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation and one-half to a group comprising A. C. Fessenden, Chicago, Ill., and Ace Carton Corporation. Method and means for feeding blanks. 2,636,733, Apr. 28.

Lewis, Arthur J., assignor to The Baird Machine Company, Stratford, Conn. Power transmission mechanism. 2,654,260, Oct. 6.

Lewis, Benjamin F., Bayside, assignor to Bell Telephone Laboratories, Innorporated, New York, N. Y. Mobile radio telephone system. 2,641,692, June 9.

Lewis, Benn, Maplewood, N. J., assignor to The Lewel Manufacturing Company, Inc., New York, N. Y. Foundation garment. 2,644,945, July 14.

Lewis, Benn, Maplewood, N. J., assignor to The Lewel Manufacturing Company, Inc., New York, N. Y. Foundation garment. 2,651,037, Sept. 8.

Lewis, C. A., Inc., assignee: *See*—
Lewis, Chester A.

Lewis, Charles R., and H. J. Sauers, Peoria, Ill. Device for use in curling hair. 2,630,809, Mar. 10.

Lewis, Charles R., Hartford, and R. J. Taggart, Columbia, assignors to Colt's Manufacturing Company, Hartford, Conn. Dishwashing machine with vertically movable door. 2,640,536, June 2.

Lewis, Chester A., assignor to C. A. Lewis, Inc., Cleveland, Ohio. Coke remover for tar and petroleum stills and the like. 2,659,916, Nov. 24.

Lewis, Clay E., and H. R. Longfellow, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Coaxial cable splice and making it. 2,640,095, May 26.

Lewis, Dartrey: *See*—
Corson, John H., Suverkrop, and Lewis.

Lewis, David, Forest Hills, assignor to D. and M. Lewis and A. P. Lindsay, doing business under the firm name and style of Esquire Sportswear Company, New York, N. Y. Trousers construction. 2,626,397, Jan. 27.

Lewis, David C., Chicago, Ill. Safety cover plate for flush type electric wall receptacles. 2,641,627, June 9.

Lewis, Edward B., Denver, Colo. Detachable brake lining assembly. 2,630,889, Mar. 10.

Lewis, Elmer, Eustis, Fla. Poultry feeder. 2,643,637, June 30.

Lewis, Emil H.: *See*—
Strickland, Barney R., and Lewis.

Lewis Engineering Company, The, assignee: *See*—
Knudsen, Knud J.

Lewis Engineering & Manufacturing Company, The, assignee: *See*—
Steede, Otho G.

Lewis, Ernest D., and R. M. Luckring, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Heat exchange apparatus. 2,652,037, Sept. 15.

Lewis, Ernest H., Beverly Hills, Calif, assignor to The Patent and Licensing Corporation, New York, N. Y. Container for collable material. 2,655,262, Oct. 13.

Lewis, Floyd L., assignee: *See*—
Gledhill, Alvin F., and Lewis.

Lewis, Fred P., Enid, Okla. Animal boot with adhesive tape securing means. 2,651,853, Sept. 15.

Lewis, G. B., Company, assignee: *See*—
Erdmann, Otto.

Lewis, George W., Toledo, Ohio. Engine starter. 2,635,470, Apr. 21.

Lewis, George W., Toledo, Ohio. Engine starter drive. 2,635,471, Apr. 21.

Lewis, Hamilton, Woodbury, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Azeotropic refrigerant composition of 1,1-difluoroethane and monochloropentafluoroethane. 2,641,580, June 9.

Lewis, Harold P., Newtown, Pa., assignor to Pak-Rapid, Inc. Packaging machine. 2,626,494, Jan. 27.

Lewis, Harold P., Newtown, assignor, by mesne assignments, to J. Irvine, Snug Valley, Wayne, Pa. Apparatus for packaging commodities. 2,657,510, Nov. 3.

Lewis, Harold S., Frankfort, Ind. Piston stabilizer. 2,660,492, Nov. 24.

Lewis, Harriet G., Brooklyn, N. Y. Shadowproof dress. 2,635,244, Apr. 21.

Lewis, Harry, Cleveland, Ohio. Spark plug. 2,638,083, May 12.

Lewis, Harry H., Portland, Oreg. Carbonated drink mixer and dispenser. 2,633,150, Mar. 31.

Lewis, Hendrix: *See*—
Clayton, Jewell F., and Lewis.

Lewis, Henry E., Murray, assignor of seventy percent to S. L. Rasmussen, twenty percent to E. G. Jensen, and ten percent to P. H. and P. A. Mallinckrodt, Salt Lake City, Utah. Continuous leaching apparatus. 2,630,377, Mar. 3.

Lewis, Herbert R., Oak Park, assignor of one-half to J. J. Lawler, Chicago, Ill. Medicinal slipper. 2,664,087, Dec. 29.

Lewis, Howard B., and H. Field, Jr., Los Angeles, Calif. Centrifugal servo clutch. 2,626,033, Jan. 20.

Lewis, Howard B., and H. Field, Jr., assignors to B. F. McDonald Company, Los Angeles, Calif. Intermittently operating direction responsive switch. 2,664,477, Dec. 29.

Lewis, Howard B., G. M. Larson, and H. Field, Jr., Los Angeles, Calif. Tablet dispenser. 2,649,994, Aug. 25.

Lewis Invisible Stitch Machine Company, assignee: *See*—
Mueller, Charles W., and Taylor.

Lewis, Irving R., Metuchen, N. J., and D. M. McBean, Rochester, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. Sterilizing apparatus and method. 2,645,557, July 14.

Lewis, James C., Detroit, Mich. Vehicle wheel mounting. 2,629,634, Feb. 24.

Lewis, Jean L., Baltimore, Md., assignor of one-third to S. Feinberg and one-third to B. H. Fogelson, Roselle, N. J. Producing skinless frankfurters. 2,627,466, Feb. 3.

Lewis, Jesse M., assignor to Williams Brothers Company, Tulsa, Okla. Pipe boom supporting apparatus. 2,657,667, Nov. 3.

Lewis, John B.: *See*—
Quiram, Ernest R., and Lewis.

Lewis, John H. W., Chaldon, near Caterham, England. Portable ironing stand with iron support. 2,645,045, July 14.

Lewis, John H. W., Chaldon, near Caterham, England. Ironing stand. 2,654,968, Oct. 13.

Lewis, John M., Cheswick, and R. A. Bub, Wilkinsburg, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Dust filtering apparatus. 2,640,560, June 2.

Lewis, John R.: *See*—
Uhlig, Eric J., and Lewis.

Lewis, Joseph H., assignor to Blue Ridge Glass Corporation, Kingsport, Tenn. Door hinge. 2,655,685, Oct. 20.

Lewis, Joseph M.: *See*—
Craig, Teddie O., Jr., and Lewis.

Lewis, L. R., Co., assignee: *See*—
Gledhill, Alvin F., and Lewis.

Lewis, Leo L., assignor to Carrier Corporation, Syracuse, N. Y. Defrosting arrangement for refrigeration systems. 2,630,685, Mar. 10.

Lewis, Leon R.: *See*—
Gledhill, Alvin F., and Lewis.

Lewis, Leroy M., and L. M. Lewis, Jr., Rosemont, assignors to American National Dispensing Co., Lansdale, Pa. Heat conduction arrester in automatic beverage dispensers. 2,626,785, Jan. 27.

Lewis, Leroy M., Jr.: *See*—
Lewis, Leroy M., and L. M. Lewis, Jr.

Lewis, Leroy V., Hollywood, Fla. Dough conveyer. 2,664,214, Dec. 29.

Lewis, Louis W., Dallas, Tex. Pump. 2,643,816, June 30.

Lewis, Mac, assignee: *See*—
Lewis, David.

Lewis, Mack O., Detroit, Mich. Therapeutic apparatus. 2,659,365, Nov. 17.

Lewis, Maxwell H., assignee: *See*—
Felts, Gordon P., and Seeger.

Lewis, Morgan J., Philadelphia, Pa. Circuit breaker. 2,634,347, Apr. 7.

Lewis, Neilson W., assignor of forty per cent to A. McLachlen, Washington, D. C. Power transmission system. 2,625,841, Jan. 20.

Lewis, Orrin E., Belleville, Kans. Dolly for handling single and dual truck wheels. 644,597, July 7.

Lewis, Paul G., Tonawanda, assignor to Remington Rand Inc., New York, N. Y. Button panel key. 2,638,012, May 12.

Lewis, Reed, Pittsburgh, Pa., assignor to Crucible Steel Corporation of America, New York, N. Y. Bessemer converter. 2,641,461, June 9.

Lewis, Richard W.: *See*—
Linton, Alfred, and Lewis.

Lewis, Russel W., assignor to Gem Oil Tool Company, Inc., Lafayette, La. Pipe lifter. 2,653,006, Sept. 22.

Lewis, Russel W., Lafayette, La., and S. C. Moore, assignors to Hughes Tool Company, Houston, Tex. Wear resistant tool joint. 2,653,061, Sept. 22.

Lewis-Shepard Company, assignee: *See*—
Hastings, Russell, Jr.

Lewis, Thomas G., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Lapping machine. 2,655,769, Oct. 20.

Lewis, Thomas G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Backing for laps. 2,655,772, Oct. 20.

Lewis, Thomas G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lapping method and tool. 2,655,775, Oct. 20.

Lewis, Thomas W., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Singing teakettle. 2,630,776, Mar. 10.

Lewis, Warren E., Bradley, Ill. Fluid transmission. 2,627,954, Feb. 10.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Expansion bolt. 2,625,071, Jan. 13.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Expansion bolt. 2,647,431, Aug. 4.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Double trolley turnout. 2,649,509, Aug. 18.

Lewis, Warren J., and W. H. Utz, assignors to The Ohio Brass Company, Mansfield, Ohio. Hole gauge. 2,642,672, June 23.

Lewis, Warren K., Cambridge, Mass., assignor to Standard Oil Development Company. Manufacturing a gas rich in carbon monoxide. 2,631,934, Mar. 17.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Roasting sulfide ores. 2,637,629, May 5.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Recovering metals by gaseous reduction. 2,638,414, May 12.

Lewis, Warren K., Jr.: *See*—
Krebs, Robert W., and Lewis.
Martin, Homer Z., and Lewis.

Lewis, Warren K., Jr., East Orange, N. J., assignor to Standard Oil Development Company. Heating fluids. 2,638,328, May 12.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hybrid ring. 2,639,325, May 19.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pseudohybrid microwave device. 2,649,576, Aug. 18.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic wave microwave frequency filter. 2,663,848, Dec. 22.

Lewis, William E., Portland, Oreg. Apparatus for ruling negatives in the photolithographic art. 2,657,467, Nov. 3.

Lewis, William P., Alliance, Ohio. Commutator and forming the same. 2,629,064, Feb. 17.

Lewis, William R., Kansas City, Mo., assignor to C. J. Patterson Company. Consistency measuring apparatus responsive to motor current. 2,654,860, Oct. 6.

Lewkowski, Walter J., Jr., Calumet City, Ill. Magnetic testing apparatus. 2,644,921, July 7.

Lewus, Alexander J., Cicero, Ill. Air controlled switch. 2,635,160, Apr. 14.

Lewus, Alexander J., Cicero, Ill. Induction motor of the capacitor type. 2,646,537, July 21.

Lewus, Alexander J., Cicero, Ill. Induction motor of the capacitor type. 2,646,538, July 21.

Lewus, Alexander J., Cicero, Ill. Control circuits for induction motors. 2,664,532, Dec. 29.

Lewyt Corporation, assignee: *See*—
Meyerhoefer, Carl E.

Ley, Gordon, and C. H. Jones, Pittsburgh, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio scanning system. 2,660,722, Nov. 24.

Leyburn, Henry, Newcastle-on-Tyne, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric generator for short-circuit testing. 2,640,961, June 2.

Leydecker, Charles P., Normandy, Mo. Foot balancing means. 2,628,440, Feb. 17.

Leyden, George B., Baton Rouge, La., assignor to Standard Oil Development Company. Sulfuric acid recovery. 2,660,516, Nov. 24.

Leyes, Charles E.: *See*—
Bennes, William J., and Leyes.

Leyland Motors Limited, assignee: *See*—
Waring, Gerard J.

Leypold, Dieter, and H. Rudolph, Munich and H. Jurgens, Munich-Solln, assignors to Siemens & Halske, Aktiengesellschaft, Munich, Germany. Frequency control for telegraph receivers. 2,641,650, June 9.

Leyton, Eric M., London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Synchronizing of an induction motor. 2,650,335, Aug. 25.

Leyton, Eric M., London, assignor to Electric & Musical Industries Limited, Hayes, England. Reduction of the angle-modulation of amplitude-modulated oscillations. 2,664,545, Dec. 29.

L'Hollier, Leslie H., Newton, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Footwear last and assembly thereon. 2,654,904, Oct. 13.

Li, Yao T.: *See*—
Draper, Charles S., and Li.

Li, Yao T., Allston, Mass., assignor to Research Corporation, New York, N. Y. Diaphragm type pressure indicator. 2,627,749, Feb. 10.

Libberton, Herbert, assignor to Tenak Products Company, Chicago, Ill. Moldable tablet. 2,632,722, Mar. 24.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Anderson, Thomas F.
Bamford, William P., and Jendrisak.
Bamford, William P., Jendrisak, and White.
Barkley, Dwight W.
Bassler, Gerald C.
Bigelow, Maurice H.
Boicey, James H., and Williams.
Bunnell, Raymond H.
Colbert, William H., Weinrich, and Morgan.
Cordier, David E., and Williams.
Drake, John L.
Gaiser, Romey A.
Gaiser, Romey A., and Boicey.
Gaiser, Romey A., and Browne.
Hatcher, David B., and Bunnell.
Hoppens, Harold A.
Howald, Arthur M.
Morgan, Willard L.
Phueddemann, Edwin P.
Ryan, Joseph D., and Mattimoe.
Simmons, John K.
Swindler, Rollin L.
Walters, Emmett L.
Wampler, Roy W., and Browne.
Watkins, George B.
Weinrich, Arthur R.
White, Gerald.

Libbey, Stanley D., assignee: *See*—
Burrows, Eastman A.

Libenson, Leon, Pittsburgh, Pa. Dibenzyl tetrathiodiglycolate. 2,637,741, May 5.

Liberatore, Allen O., Baltimore, Md. Awning, canopy, etc. 2,654,424, Oct. 6.

Liberman, Arie, Chicago, Ill. Intercommunication apparatus. 2,658,947, Nov. 10.

Liberman, Hyman: *See*—
Sherman, Harry, Silverman, and Liberman.

Liberman, Milton, Brooklyn, N. Y. Lamp supported reflector unit. 2,629,046, Feb. 17.

Liberty Electric Company, assignee: *See*—
Lehr, Frederic F.

Libois, Louis J.: *See*—
Gloess, Paul F. M., and Libois.

Librascope, Inc., assignee: *See*—
Greenwood, Ivan A., Jr.

Librizzi, Frank P.: *See*—
Fields, Ernest E., Jova, and Librizzi.

Li Calsi, Alfonso, Sunnyside, N. Y. Collapsible and portable high chair. 2,664,143, Dec. 29.

Licari, Vincent, Kansas City, Mo. Support means for slidable jaw wrenches. 2,637,235, May 5.

Licata, Francis J.: *See*—
Cunder, Joseph, and Licata.

Licciardello, Fred A., North Andover, Mass. Nozzle adapter seat refacing device. 2,663,227, Dec. 22.

Licentia Patent-Verwaltungs-G. m. b. H., assignee: *See*—
Koppelmann, Floris, and Böhm.

Licharz, Carl E., Stockholm, Sweden, assignor to International Company for Industrial Exploitation S. A. Electrode for galvanic cells. 2,636,916, Apr. 28.

Licht, William, Jr.: *See*—
Metzger, George D., and Licht.

Lichtenberg, Edward N., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bottle spotting device. 2,630,204, Mar. 3.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Conveyer type concrete distributing machine. 2,649,185, Aug. 18.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Carry-type scraper with front digger moving means. 2,654,165, Oct. 6.

Lichtenfels, Ira W., Harborcreek, Pa., assignor to General Electric Company. Electric motor control system. 2,663,836, Dec. 22.

Lichter, Charles: *See*—
Strom, Gordon H., Lichter, and Rusincky.

Lichtig, Sanford H., Cleveland, Ohio. Fishing line brake. 2,650,448, Sept. 1.

Lichtman, Samuel W., Ozon Hill, Md. Geiger tube circuit with cathode follower. 2,642,539, June 16.

Lichty, Lester C., New Haven, Conn., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Air-cooling gas turbine blade. 2,660,858, Dec. 1.

Lichty, Lyall J.: *See*—
Lindsley, Thayer, and Lichty.

Lichty, Lyall J., Ottawa, assignor to Quebec Metallurgical Industries Limited, Toronto, Ontario, Canada. Production of aluminum-silicon alloys. 2,627,458, Feb. 3.

Lichty, Lyall J., Ottawa, Ontario, Canada, assignor to Northfield Mines, Inc., New York, N. Y. Recovery of metals from metallurgical slag. 2,653,868, Sept. 29.

Lichty, Paul E., near Rittman, and C. B. Houseworth, assignors to The Akron Products Company, Seville, Ohio. Jack. 2,625,369, Jan. 13.

Licktelg, Albert F., Jr., Grand Rapids, Mich., assignor, by mesne assignments, to Harloc Products Corporation. Latch mechanism. 2,631,051, Mar. 10.

Lico Manufacturing Co., Inc., assignee: *See*—
Csigi, Paul G.

Liddell, George J., Springfield, assignor to Sun Oil Company, Philadelphia, Pa. Engine oil consumption apparatus. 2,656,177, Oct. 20.

Lidmalm, Tord N. G., and N. F. L. Bengtsson, assignors to Svenska Aeroplan Aktiebolaget, Linkoping, Sweden. Trimable servo tab with balanced, antibalanced, and spring tab action intended especially for aircraft. 2,646,234, July 21.

Lidov, Rex E.: *See*—
McKenna, Thomas G., Soloway, Lidov, and Hyman.

Lidov, Rex E., Denver, Colo., assignor, by mesne assignments, to Shell Development Company, Emeryville, Calif. Polycyclic insecticidal dienes. 2,635,977, Apr. 21.

Lidov, Rex E., Denver, Colo., assignor, by mesne assignments, to Shell Development Company, Emeryville, Calif. Polycyclic insect toxicants. 2,635,979, Apr. 21.

Lidseen, Gustave, Oak Park, assignor to Gustave Lidseen, Inc., Chicago, Ill. Piston. 2,654,646, Oct. 6.

Lidseen, Gustave, Inc., assignee: *See*—
Lidseen, Gustave.

Liebe, August A.: *See*—
Jonkers, Cornelius O., Köhler, Rinia, and Liebe.
Köhler, Jacob W. L., and Liebe.

Liebenow, Julius G., Berwyn, Ill. Paper cup handle. 2,659,527, Nov. 17.

Lieber, Eugene, Chicago, Ill., and A. F. Cashman, Staten Island, N. Y., assignors to Standard Oil Development Company. Wax modifying agent. 2,633,471, Mar. 31.

Lieberknecht, Karl, Inc., assignee: *See*—
Friedmann, Albert.
Zesch, Eugene M.

Lieberman, Eli: *See*—
Lee, Aaron, and Lieberman.

Lieberman, Helman G., Evansville, Ind. Silver recovering and collecting device. 2,643,108, June 23.

Lieberman, Leon J., Philadelphia, Pa. Clad metal. 2,626,457, Jan. 27.

Lieberman, Leon J., Philadelphia, Pa. Making clad metal. 2,626,458, Jan. 27.

Lieberman, Morton W., Middletown, N. J. Precision grade board and accessory. 2,632,954, Mar. 31.

Liebermann, John, assignor to Ranco, Inc., Columbus, Ohio. Control apparatus. 2,647,190, July 28.

Liebers, Albert S., New York, N. Y. Golf club construction. 2,654,608, Oct. 6.

Liebhaber, Frank B., Chicago, Ill. Combination window screen and blind attachment. 2,635,685, Apr. 21.

Liebman, Arno J., and J. W. Dorsey, assignors to Dravo Corporation, Pittsburgh, Pa. Bearing support for vertical agitating shafts. 2,657,912, Nov. 3.

Liebowitz, Benjamin, Lewisboro, N. Y. Anticurl device for collars. Re. 23,617, Jan. 27.

Liebowitz, Benjamin, Lewisboro, assignor to Trubenizing Process Corporation, New York, N. Y. Garment parts and foldline-forming means therefor. 2,639,433, May 26.

Liebowitz, Benjamin, Lewisboro, assignor to Trubenizing Process Corporation, New York, N. Y. Collar and like garment parts. 2,639,434, May 26.

Liebowitz, Benjamin, Lewisboro, assignor to Trubenizing Process Corporation, New York, N. Y. Method and apparatus for making collars. 2,639,841, May 26.

Liebowitz, Benjamin, Lewisboro, assignor to Trubenizing Process Corporation, New York, N. Y. Method and apparatus for the manufacture of collars. 2,639,842, May 26.

Liebowitz, Benjamin, Lewisboro, assignor to Trubenizing Process Corporation, New York, N. Y. Method and apparatus for the manufacture of collars. 2,639,843, May 26.

Liebowitz, Benjamin, assignor to Trubenizing Process Corporation, New York, N. Y. Two-way shirt collar. 2,629,872, Mar. 3.

Liebowitz, Benjamin, assignor to Trubenizing Process Corporation, New York, N. Y. Insert board. 2,630,948, Mar. 10.

Liebrecht, Ilse, assignee: *See*—
Scheuing, Georg, and Volgelbach.

Liebrecht, Julius, assignee: *See*—
Scheuing, Georg, and Vogelbach.

Liechti, Albert, assignor of Micafil A.-G., Zurich, Switzerland. Electrical condenser. 2,638,494, May 12.

Lied, Edgar B., and J. Tompkins, Elizabeth, N. J., said Lied assignor to said Tompkins. Four-point leaf spring suspension for baby carriages. 2,629,610, Feb. 24.

Lief, Milton: *See*—
Karty, Julius L., and Lief.

Liehe, Hubert J., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Grease. 2,629,692, Feb. 24.

Lien, Arthur P.: *See*—
Arnold, Robert C., and Lien.
Arnold, Robert C., Lien, and Deters.
Kuntz, Elmer A. F.
McCaulay, David A., and Lien.

Lien, Arthur P., Hammond, Ind., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Combination HF treating catalytic cracking process. 2,643,971, June 30.

Lien, Arthur P., Highland, Ind., and D. A. McCaulay, assignors to Standard Oil Company, Chicago, Ill. Isodurene manufacture. 2,659,762, Nov. 17.

Lien, Arthur P., Highland, Ind., and D. A. McCaulay, assignors to Standard Oil Company, Chicago, Ill. Preparation of ethylxylenes. 2,661,382, Dec. 1.

Lien, Arthur P., Hammond, Ind., and D. A. McCaulay, assignors to Standard Oil Company, Chicago, Ill. Pentamethylbenzene disproportionation. 2,662,926, Dec. 15.

Lierley, John T., Los Angeles, Calif. Automatic control of the movement of picture-making equipment. 2,649,835, Aug. 25.

Llero, Larry C., A. A. Arcury, and P. C. Trilll, Wind Gap, Pa. Universal shank button attachment. 2,630,087, Mar. 3.

Lies, Albert C., Minneola, Kans. Disk measuring device. 2,660,796, Dec. 1.

Lies, William J., Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Dielectric material. 2,641,552, June 9.

Lieurance, Cleo E.: *See*—
Hainke, Oscar T., and Lieurance.

Lievsay, Claude, Jr., Ventura, Calif. Bedclothes holder. 2,653,363, Sept. 29.

Lifson, William E., Elizabeth, and W. E. Morris, Roselle, N. J., assignors to Standard Oil Development Company. Aviation fuel and method of preparing same. 2,629,685, Feb. 24.

Lift-A-Line, Inc., assignee: *See*—
Rose, Lawrence S.

Ligett, Waldo B., Berkley, Mich., assignor to Ethyl Corporation, New York, N. Y. New chlorofluoro derivatives of cyclohexane and making same. 2,654,789, Oct. 6.

Ligett, Waldo B., Berkley, R. D. Closson, Detroit, and C. N. Wolf, Ferndale, Mich., assignors to Ethyl Corporation, New York, N. Y. Succinhydrazides. 2,640,005, May 26.

Ligett, Waldo B., Berkley, R. D. Closson, Detroit, and C. N. Wolf, Ferndale, Mich., assignors to Ethyl Corporation, New York, N. Y. N-organolead-phthalimides as fungicides. 2,640,006, May 26.

Ligett, Waldo B., Pontiac, R. D. Closson, Detroit, and C. N. Wolf, Ferndale, Mich., assignors to Ethyl Corporation, New York, N. Y. N,N'-phthalyl hydrazine fungicidal composition. 2,654,689, Oct. 6.

Ligett, Waldo B., Berkley, R. D. Closson, Detroit, and C. N. Wolf, Ferndale, Mich., assignors to Ethyl Corporation, New York, N. Y. N-aminophthalic imides and salts thereof as fungicidal compositions. 2,657,169, Oct. 27.

Ligett, Waldo B., Berkley, C. N. Wolf, Ferndale, and R. D. Closson, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. N-naphthyl maleamic esters. 2,663,665, Dec. 22.

Liggett, Edward R., Fresno, and C. R. Calender, Calwa, Calif., assignors to Husky Refrigeration Corporation, Reno, Nev. Separator for intermingled fluids. 2,661,605, Dec. 8.

Liggett, Robert W., Whitemarsh Village, Wyndmoor, and E. L. Wimmer, Springfield, Pa., assignors to The American Sugar Refining Company, New York, N. Y. Recovery of aconitic acid from molasses. 2,640,849, June 2.

Liggett, Robert W., Whitemarsh Village, Wyndmoor, and E. L. Wimmer, Springfield, Pa., assignors to The American Sugar Refining Company, New York, N. Y. Recovery of aconitic acid from molasses. 2,640,850, June 2.

Light, Aaron L., and M. Fine, Chicago, Ill. Window blind. 2,636,556, Apr. 28.

Light, Charles E.: *See*—
Booth, Robert B., and Light.

Light, Eber W., Charleston, W. Va., assignor to The Sanford Investment Company, Wilmington, Del. Drop bottom dumping vehicle. 2,635,558, Apr. 21.

Light, George G., White Plains, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph reperforator switching system. 2,632,044, Mar. 17.

Lightbourne, Robert C., Birmingham, England. Chair convertible to ironing board. 2,640,526, June 2.

Lightburn, Robert A., Fayson Lakes, N. J., and M. W. Palmer, New York, N. Y., assignors to American Optical Company, Southbridge, Mass. Projecter slide film changer. 2,655,075, Oct. 13.

Lighter, Stephen, Whitefish Bay, Wis., assignor to Sutherland Paper Company, Kalamazoo, Mich. Shirt packaging device. 2,652,146, Sept. 15.

Lighthall, Cone W., assignor to Hoover Ball & Bearing Company, Ann Arbor, Mich. Shielded antifriction bearing. 2,655,392, Oct. 13.

Lighthipe, Charles H., Bloomfield, W. M. Nothum, Elizabeth, and C. E. Retzsch, Bloomfield, assignors to Nopco Chemical Company, Harrison, N. J. Fat composition. 2,630,408, Mar. 3.

Lighting Products, Inc., assignee: *See*—
Janness, William E.

Lightning & Transients Research Institute, Inc., assignee: *See*—
Newman, Morris M.

Lighton, Lester E., Glenside, Pa., assignor to The Electric Storage Battery Company. Storage battery filling and venting structure. 2,647,159, July 28.

Lignian, Jean A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Aluminum base bearing. 2,648,580, Aug. 11.

Liguori, Anthony: *See*—
Shenk, Eugene R., and Liguori.

Liittjohann, Joseph M., Des Moines, Iowa. Poultry suspending device. 2,625,707, Jan. 20.

Lijempf, N. V., assignee: *See*—
De Vletter, Rohbert.

Liley, John W., Ferndale, assignor of fifty-five per cent to M. J. Basso, Detroit, Mich. Combined switch and fastener. 2,641,662, June 9.

Lilienfeld, Julius E., St. Thomas, V. I. Brassière and framework therefor. 2,627,603, Feb. 10.

Lilienfeld, Julius E., St. Thomas, V. I. Fabric, method of making same, and its uses. 2,659,956, Nov. 24.

Lilienfeld, Julius E., St. Thomas, V. I. Weight supporting fabric. 2,659,957, Nov. 24.

Lilienfeld, Julius E., St. Thomas, V. I. Electrolytic capacitor and forming the electrodes thereof. 2,662,995, Dec. 15.

Lilienthal, Constantino, Buenos Aires, Argentina. Atomizer for spraying insecticide liquids and the like. 2,637,596, May 5.

Liljestrand, Walter E., assignor to Mission Manufacturing Company, Houston, Tex. Power - operated slip. 2,636,241, Apr. 28.

Liljestrand, Walter E., assignor to Mission Manufacturing Company, Houston, Tex. Power operated slip. 2,641,816, June 16.

Lillard, William W., Beaumont, Calif. Pocket knife handle. 2,658,272, Nov. 10.

Lilley, Harold S., and J. K. Lovell, Slough, England, assignors to Imperial Chemical Industries Limited. Matting agents. 2,636,868, Apr. 28.

Lilley, William F., J. E. Snyder, and J. F. Stalter, assignors to Wingfoot Corporation, Akron, Ohio. Apparatus for trimming wrapped objects. 2,649,909, Aug. 25.

Lillie, Scott W.: *See*—
Stoner, Francis E., and Lillie.

Lillienberg, August W., assignor to Lindberg Engineering Company, Chicago, Ill. Furnace for molten metal. 2,648,715, Aug. 11.

Lilliendahl, William C.: *See*—
Gregory, Edward D., Lilliendahl, and Wroughton.

Lilquist, Torsten O., La Grange Park, Ill., assignor to General Motors Corporation, Detroit, Mich. Electric traction and braking system. 2,629,058, Feb. 17.

Lilly, Eli, and Company, assignee: *See*—
Bray, Malcolm D.
Bunch, Robert L., and McGuire.
Caldwell, William T.
Carney, Thomas P.
Coffey, Henry F.
Coffey, Henry F., and Lanham.
Jones, Reuben G.
Kath, Alfred W.
Kornfeld, Edmund C.
Mills, Jack.
Pohland, Albert.
Rhodehamel, Harley W.
Rhodehamel, Harley W., Jr.
Rhodehamel, Harley W., Jr., and Fortune.
Small, Ian H.

Lilly, Howard C., Sharon, assignor to Masury-Young Company, Charlestown, Mass. Carpet sweeper with brush cleaning fingers. 2,642,617, June 23.

Lily Mills Company, assignee: *See*—
McIntyre, Newman.

Lily-Tulip Cup Corporation, assignee: *See*—
Klante, Herman J.

Lim, Peter, Los Angeles, Calif. Fire extinguisher sprinkler head. 2,661,805, Dec. 8.

Lime, Ermal J., assignor to Lymean Manufacturing Co., Inc., Kansas City, Mo. Cream dispensing apparatus for coffee-making and dispensing machines. 2,652,176, Sept. 15.

Lime, Ermal J., and C. S. Hedges, assignors to Crelo Manufacturing Company, Inc., Kansas City, Mo. Liquid heater for hot beverage vending machines. 2,643,322, June 23.

Limestone Products Corporation of America, assignee: *See*—
Gehm, Harry W., and Purcell.

Limpert Brothers, Incorporated, assignee: *See*—
Moser, Frank T.

Lin, Hsiang J., Cannes, France. Auto door lock. 2,631,876, Mar. 17.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized aromatic amines. 2,653,171, Sept. 22.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized aromatic amines. 2,655,543, Oct. 13.

Linch, Adrian L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized aromatic amines. 2,664,445, Dec. 29.

Lincoln, Arnold J., Florham Park, and G. D. Courtright, assignors to Baker & Co., Inc., Newark, N. J. Muffle type furnace. 2,661,385, Dec. 1.

Lincoln, Clovis W., and P. B. Zeigler, Saginaw, and R. A. Malone, Chesaning, assignors to General Motors Corporation Detroit, Mich. Trasmission control. 2,631,467, Mar. 17.

Lincoln, Clovis W., P. B. Zeigler, J. J. Verbrugge, and J. F. Sloan, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Direction signal switch. 2,643,308, June 23.

Lincoln, Clovis W., and P. B. Ziegler, Saginaw, and R. A. Malone, Chesaning, assignors to General Motors Corporation, Detroit, Mich. Direction signal switch. 2,657,287, Oct. 27.

Lincoln, Clovis W., Saginaw, and E. A. Schroeder, Midland, assignors to General Motors Corporation, Detroit, Mich. Transmission control. 2,662,419, Dec. 15.

Lincoln, Clovis W., G. G. Kearful, and D. A. Galonska, Saginaw, assignors to General Motors Corporation, Detroit, Mich. Jack. 2,663,542, Dec. 22.

Lincoln, Edward H.: *See*—
Wright, John B., and Lincoln.

Lincoln, Edward L., Franklin, assignor to Bird & Son, inc., East Walpole, Mass. Flexible shingle. 2,659,321, Nov. 17.

Lincoln Electric Company, The, assignee: *See*—
Landis, George G., and Hoenle.

Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P.
Fox, Alexander P., and Mueller.
Klein, Victor G.
Klein, Victor G., and Walls.
Kludt, Jonathan, and Parks.
Rotter, Lutwin C.
Rotter, Lutwin C., and Klein.
Rotter, Lutwin C., and Reisert.

Lincoln, John C., Scottsdale, Ariz., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Apparatus for bending sinuous wire strips into springs. 2,632,482, Mar. 24.

Lincoln, John D., Marion, Va. Honeycomb core fabricating machine. 2,636,540, Apr. 28.

Lincoln, John D., Marion, Va. Machine and method for producing continuous honeycomb structures. 2,649,131, Aug. 18.

Lincoln, Wilbur C., Chicago, Ill., assignor, by mesne assignments, to Dieterich Products Corporation, Michigan City, Ind. Visor bracket. 2,628,807, Feb. 17.

Lind, Alvin C., Detroit, and B. M. Zuhn, Mount Clemens, assignors to National Automotive Fibers, Inc., Detroit, Mich. Loading apparatus for ring clinching devices. 2,624,880, Jan. 13.

Lind, Carl J.: *See*—
Hobson, Ervin J., and Lind.

Lind, Donald K., Menominee, assignor to National Pressure Cooker Company, Eau Claire, Wis. Dead weight gauge for pressure cookers. 2,633,870, Apr. 7.

Lind, George R., St. Joseph, Mich. Venetian blind. 2,627,917, Feb. 10.

Lind, Orlando H., Auburn, Calif. Mixing device. 2,651,510, Sept. 8.

Linda, Frank R., White Plains, assignor to St. Regis Paper Company, New York, N. Y. Bag for packaging tacky polymeric materials. 2,648,487, Aug. 11.

Lindahl, Carl, Union, N. J., assignor to Elastic Stop Nut Corporation of America. Time-delay control apparatus. 2,627,918, Feb. 10.

Lindahl, Carl, Union, N. J., assignor to Elastic Stop Nut Corporation of America. Pneumatic time delay device. 2,630,886, Mar. 10.

Lindars, Herman, Sheffield, England. Automatic operation controller having predetermining means. 2,656,109, Oct. 20.

Lindau, Fred I., Beloit, and R. C. Glazebrook, Turtle Ridge, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Bladeless pump impeller. 2,655,868, Oct. 20.

Lindberg, Bror A., Upplands Vasby, Sweden. Portable supporting device for conveyers. 2,632,557, Mar. 24.

Lindberg, Caryl A., Glendale, and H. W. Eckles, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Ventilating fan. 2,652,193, Sept. 15.

Lindberg Engineering Company, assignee: *See*— Lillienberg, August W.

Lindberg, Glenn A., Cut Bank, Mont. Power-operated wrench. 2,646,966, July 28.

Lindberg, Paul G., Willoughby, assignor to Lindberg Trust, Cleveland, Ohio. Gear pump. 2,641,192, June 9.

Lindberg, Peter H., Detroit, Mich. Manifold high-pressure pump. 2,640,421, June 2.

Lindberg Trust, assignee: *See*— Lindberg, Paul G.

Lindblom, Frank W.: *See*— Miner, Frederic I., and Lindblom.

Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Decorative plate for ophthalmic frames. 2,633,059, Mar. 31.

Lindell, Aubrey O. E.: *See*— James, Emrys G., and Lindell.

Lindell, Carl G., Minneapolis, Minn. Saw attachment for electric hand drills. 2,662,562, Dec. 15.

Lindell, Oswald J.: *See*— Kantz, John J., Jr., and Lindell.

Lindell, Sigurd I., assignor to S & C Electric Company, Chicago, Ill. Operating mechanism for high voltage electric circuit interrupting devices. 2,638,003, May 12.

Lindell, Sigurd I., assignor to S & C Electric Company, Chicago, Ill. Switch construction. 2,644,878, July 7.

Lindell, Sigurd I., assignor to S & C Electric Company, Chicago, Ill. Electric fuse switch construction. 2,651,694, Sept. 8.

Lindell, Sigurd I., Chicago, and C. H. Baker, Maywood, assignors to S & C Electric Company, Chicago, Ill. Circuit interrupter housing. 2,662,138, Dec. 8.

Lindell, Sigurd I., Chicago, and C. H. Baker, Maywood, assignors to S & C Electric Company, Chicago, Ill. Circuit interrupter. 2,662,139, Dec. 8.

Lindeman, Jesse G., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Hydraulic tool supporting structure. Re. 23,726, Oct. 20.

Lindeman, Jesse G., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Hitch device. 2,633,068, Mar. 31.

Lindeman, Jesse G., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Tool attachment for tractors. 2,635,518, Apr. 21.

Lindeman, Jesse G., Yakima, Wash., assignor to Deere & Company, Moline, Ill. Reversible colter for two-way plows. 2,637,256, May 5.

Lindeman, Jesse G., Yakima, Wash., assignor to Deere & Company, Moline, Ill. Unit carrier. 2,648,268, Aug. 11.

Lindeman, Jesse G., Yakima, Wash., assignor to Deere & Company, Moline, Ill. Overload brake means for vehicles. 2,656,893, Oct. 27.

Lindeman, Jesse G., and C. V. Edwards, Yakima, Wash., assignors to Deere & Company, Moline, Ill. Land leveler. 2,662,314, Dec. 15.

Lindemann, A. J., & Hoverson Company, assignee: *See*— Gappa, William L., and Buerki.

Lindemann, George E.: *See*— Rosenberger, Albert J., and Lindemann.

Lindemann, Waldemar, and F. van Endert, Duesseldorf, Germany. Installation for use with scrap briquetting presses. 2,643,558, June 30.

Lindenbein, Edwin E., Los Angeles, Calif. Animal simulating toy vehicle and exerciser. 2,627,419, Feb. 3.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Multiple slot antenna. 2,628,311, Feb. 10.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Nonresonant directive antenna. 2,659,004, Nov. 10.

Lindenblad, Nils E., Princeton, N. J., assignor to Radio Corporation of America. High-frequency electron discharge device of the traveling wave type. Re. 23,647, Apr. 21.

Lindenblad, Nils E., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,629,051, Feb. 17.

Lindenmayr, Hans I.: *See*— Hager, Karl F., Lindenmayr, and Rosenthal.

Lindenmeyer, Elmer H., Maywood, Ill. Toilet tissue holder. 2,657,872, Nov. 3.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Reflex velocity modulated discharge device. 2,651,000, Sept. 1.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Method of and apparatus for utilizing radioactive materials for generating electrical energy. 2,651,730, Sept. 8.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Nuclear electrical generator. 2,661,431, Dec. 1.

Linder, François, Bois-Colombes, France. Thermally releasable torque limiting clutch. 2,655,015, Oct. 13.

Linder, Roger P., assignor to A. T. O'Neil, Lake City, Minn. Gauge for bending brakes. 2,634,787, Apr. 14.

Linder, Victor F., assignor to A. T. O'Neil, Lake City, Minn. Stop device for rod shears. 2,640,913, Aug. 25.

Linder, Winfred T., Spartanburg, S. C. Watch oiler. 2,656,070, Oct. 20.

Linderman, Garrett B., Jr.: *See*— De Florez, Luis, and Linderman.

Linderman, Garrett B., Washington, D. C. Fluid apparatus. 2,642,807, June 23.

Linderme, Theodore G., Detroit, Mich. Torque limiting drive for multiple drill and tapping heads. 2,646,149, July 21.

Linderoth, Erik T., Stockholm, Sweden. Regenerative heating apparatus. 2,655,205, Oct. 13.

Linder Truck & Tractor Co. Inc., assignee: *See*— Worthington, Carl R.

Lindert, Albert W., Homewood, assignor to Standard Oil Company, Chicago, Ill. Demulsifiable lubricant compositions. 2,643,979, June 30.

Lindgren, Frank A., assignor to Goodman Manufacturing Company, Chicago, Ill. Extensible conveyer with take-up means. 2,642,981, June 23.

Lindgren, George O. R., Willoughby, assignor to The Weatherhead Company, Cleveland, Ohio. Packless valve. 2,642,255, June 16.

Lindgren, Karl O.: *See*— Jönsson, Nils W., and Lindgren.

Lindgren, Vincent V., Darien, and J. T. Cassaday, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Fluorine containing urea derivatives. 2,656,384, Oct. 20.

Lindgren, Ralph M., New Orleans, La. Preserving wood. 2,643,957, June 30.

Lindhagen, Teodor I.: *See*— Boestad, Gustav K. W., and Lindhagen. Nilsson, Hans R., and Lindhagen.

Lindhagen, Teodor I., and H. R. Nilsson, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., trustees. Elastic fluid power system utilizing a rotary engine with cooled rotors. 2,627,161, Feb. 3.

Lindhe, Folke, and W. H. Hodge, assignors to Master Rule Manufacturing Co., Inc., Middletown, N. Y. Folding rule joint. 2,629,179, Feb. 24.

Lindhe, John H. O., Nynashamn, assignor to A. Johnson & Co., Stockholm, Sweden. Treatment of electric apparatus intended to contain oil. 2,643,962, June 30.

Lindlar, Herbert: *See*— Kirchensteiner, Hans, Klaeui, and Lindlar.

Lindlar, Herbert, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Purifying folic acid. 2,634,271, Apr. 7.

Lindley, Frederick A., Flushing, N. Y., and F. M. Arbuckle, Allenhurst, N. J., assignors to Radio-Television Institute, Inc., New York, N. Y. Electrical synchronizing system. 2,632,853, Mar. 24.

Lindley, Harvey W.: *See*— Long, Nathan A., Carter, Lindley, Stadler, and Fogleman.

Lindman, Emrik I., Ekbacken, Ronninge, Sweden. Machine for molding hollow concrete blocks. 2,636,242, Apr. 28.

Lindman, Erick L., Washington, D. C. Connector and support for tables. 2,659,640, Nov. 17.

Lindman, Philip C., Dallas County, Tex. Ornamental ironwork structure. 2,655,345, Oct. 13.

Lindmark, Karl L., Rockford, assignor, by mesne assignments, to Fenlind Engineering Co., Loves Park, Ill. Lapper for carbide tipped tools. 2,663,978, Dec. 29.

Lindner, Edward, and M. Muller, Philadelphia, Pa. Plastic heel guard. 2,661,549, Dec. 8.

Lindner, John C., assignor to General Railway Signal Company, Rochester, N. Y. Highway crossing gate control system. 2,662,167, Dec. 8.

Lindner, Ralph L., Cleveland, and T. K. Hayes, Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Induction furnace. 2,648,716, Aug. 11.

Lindow, Arthur L., Macedonia, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Protecting butt flash welded articles from weld splatter. 2,642,517, June 16.

Lindow, Rudolph F., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Distributing bucket for adjustable angle booms. 2,656,056, Oct. 20.

Lindquist, Floyd F., Webster City, Iowa. Tractor attachment for driving and pulling fence posts. 2,634,092, Apr. 7.

Lindquist, Frederick V.: *See*— Kanode, Albert E., Cooke, and Lindquist.

Lindquist, John C., Minneapolis, Minn. Spring clip holding means for initial tags. 2,631,282, Mar. 17.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Crossbeam attachment for automobiles. 2,636,774, Apr. 28.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Rear-end construction of self-supporting automobile bodies. 2,662,793, Dec. 15.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Final connection between preassembled units of self-supporting automobile bodies. 2,662,794, Dec. 15.

Lindsay, Arthur P., assignee: *See*— Lewis, David.

Lindsay Company, The, assignee: *See*— Lindsay, Lynn G.

Lindsay, Donald E., Bala-Cynwyd, assignor to Murlin Manufacturing Co., Philadelphia, Pa. Display device. 2,653,783, Sept. 29.

Lindsay, Ezra R., Salt Lake City, Utah. Brush and dispensing cabinet. 2,652,306, Sept. 15.

Lindsay, Harold W., Redwood City, assignor to Ampex Electric Corporation, San Carlos, Calif. Tape reel mounting. 2,639,867, May 26.

Lindsay, Howard C., Paramus, N. J. Automatic power transmission system. 2,635,486, Apr. 21.

Lindsay, James B., Millburn, N. J., assignor to Radio Corporation of America. Apparatus for applying and settling coatings. 2,646,769, July 28.

Lindsay, Luther J., assignor of one-half to H. T. Overton, Knoxville, Tenn. Tension control device. 2,646,943, July 28.

Lindsay, Lynn G., assignor to Lindsay Company, St. Paul, Minn. Valve mechanism. 2,625,166, Jan. 13.

Lindsay, Lynn G., assignor to The Lindsay Company, St. Paul, Minn. Valve mechanism. 2,632,461, Mar. 24.

Lindsay & Wagnild, Inc., assignee: *See*— Stine, Oliver C.

Lindsay, Wesley N., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Apparatus for testing and controlling the concentration of solutions. 2,656,845, Oct. 27.

Lindsay, Will H., Jr.: *See*— Turechek, George F., and Lindsay.

Lindsay, William R.: *See*— Kelly, Stephen A., Jr., and Lindsay.

Lindseth, Clinton O.: *See*— Seal, Robert K-F, and Lindseth.

Lindsey, Frank A., Jr.: *See*— Dron, Douglas W., and Lindsey.

Lindsey, Kenneth W., Great Neck, and E. Drewitz, Flushing, assignors to Dejur-Amsco Corporation, Long Island City, N. Y. Potentiometer tandem assembly. 2,631,212, Mar. 10.

Linsley, John W., Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Stencil clamping device for duplicating machines. 2,655,866, Oct. 20.

Lindsley, Thayer, New York, N. Y., and L. J. Lichty, Ottawa, Ontario, assignors to Quebec Metallurgical Industries Limited, Toronto, Ontario, Canada. Reduction of metal oxides. 2,653,867, Sept. 29.

Lindstrom, Arnold O., Republic, Wash. Clothesline support. 2,664,211, Dec. 29.

Lindstrom, Frithjof J., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Restraining and releasing device for pilots. 2,638,293, May 12.

Lindstrom, John, Montclair, assignor to The Viking Tool & Machine Corporation, Belleville, N. J. Weighing meter. 2,638,865, May 19.

Lindstrom, John, Montclair, and B. C. Case, Plainfield, N. J. Corn popping machine. 2,657,627, Nov. 3.

Lindstrom, Lawrence, assignee: *See*— Holm, Julius A.

Lindström, Nils G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Device for measuring speeds and heat quantities in running media. 2,633,747, Apr. 7.

Lindström, Nils G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Calorimeter. 2,633,748, Apr. 7.

Lindström, Nils G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Calorimeter for heat exchange fluids. 2,633,749, Apr. 7.

Lindstrom, Walter, assignee: *See*— Holm, Julius A.

Line, Robert C., Jr., Missoula, Mont. Jogger. 2,629,592, Feb. 24.

Line, Henry, Carlisle, Pa. Regulator adjustment for watches and other horological instruments. 2,630,672, Mar. 10.

Lines, Albert W., Stratford-on-Avon, assignor, by mesne assignments, to English Electric Valve Company Limited, London, England. Wave propagating electron discharge device. 2,641,731, June 9.

Lines, Harold A., assignor to Fluid Systems, Incorporated, Hamden, Conn. Control apparatus for dividing fluid flow mechanisms. 2,661,757, Dec. 8.

Linet, Leo, Patchogue, N. Y. Dental drill and gauge device. 2,634,501, Apr. 14.

Lineweaver, Hans: *See*— Hanson, Helen L., and Lineweaver.

Lingal, Harry J.: *See*— MacNeill, John B., and Lingal.

Lingal, Harry J., and J. D. Findley, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-speed circuit breaker operating mechanism. 2,644,053, June 30.

Lingane, James J., assignor of one-third to K. W. Brown, Cambridge, Mass. Automatic electrometric titration apparatus. 2,650,256, Aug. 25.

Lingelbach, Richard C., Hastings, Nebr. Register frame. 2,661,677, Dec. 8.

Lingenbrink, Hermann E. F. C., Hilltown, assignor to Philco Corporation, Philadelphia, Pa. Phonograph tone arm. 2,625,400, Jan. 13.

Lingenbrink, Hermann E. F. C., Hilltown, assignor to Philco Corporation, Philadelphia, Pa. Automatic phonograph apparatus. 2,640,701, June 2.

Lingensjo, Leroy A.: *See*— Kay, Oscar J., and Lingensjo.

Linhorst, Erwin F., Fort Wayne, Ind., assignor to United States Rubber Company, New York, N. Y. Jolly balance. 2,650,494, Sept. 1.

Link Aviation, Inc., assignee: *See*— Kittredge, Raymond E.

Link-Belt Company, assignee: *See*— Baumbeckel, Ralph E. Harvengt, Edmond. Langdon, Lawrence E. Lauenstein, Carl F., and Rhoden. McCormick, Hubert J. McMillan, Ralph C. Musschoot, Albert, Bergmann, and Young. Musschoot, Albert, and Young.

Link, George H., Denver, Colo. Device for measuring total length of assembled well casing. 2,629,257, Feb. 24.

Link, Herbert W., assignee: *See*— Weber, Milton N.

Link, Karl P.: *See*— Seidman, Martin, and Link.

Link, Le Roy J., Reading, Pa. Perforated ribbon mounting for electrical conductors. 2,626,303, Jan. 20.

Linke, Gerhard, Mulheim-Ruhr, Germany. Jaw crusher with opposed jaws driven by unbalanced weights. 2,652,985, Sept. 22.

Linke, Gerhard, Mulheim an der Ruhr, assignor to Alfried Krupp von Bohlen und Halbach, doing business as Fried. Krupp, Essen, Germany. Swinging device for vibratory conveyers and the like. 2,653,702, Sept. 29.

Linker, Jay B., assignee: *See*— Stallings, Jay W.

Linkert, Richard H.: *See*— Simonian, Gerald, and Linkert.

Links, Heinrich K., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Regulator for injection combustion engines. 2,663,289, Dec. 22.

Linn, Carl B.: *See*— Wackher, Richard C., and Linn.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkyl thiophene sulfonate detergents. 2,624,742, Jan. 6.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Separating hydrocarbons. 2,630,406, Mar. 3.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Oxidation of unsaturated hydrocarbons in acid solution. 2,631,160, Mar. 10.

Linn, Carl B., Riverside, and G. L. Hervert, Downers Grove, assignors to Universal Oil Products Company, Chicago, Ill. Production of alkyl aromatic hydrocarbons utilizing a common reagent as aromatic extractant and alkylation catalyst. 2,639,303, May 19.

Linn, Daisy A., trustee, assignee: *See*— Linn, Frank F.

Linn, Frank F., Venice, Calif., assignor, by mesne assignments, to D. A. Linn and J. B. Long, as trustees. Vehicle axle. 2,641,464, June 9.

Linn, George W., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Battery tester. 2,632,793, Mar. 24.

Linn, Norman F., Summit, A. K. Scott, Westfield, and W. H. Rupp, Mountainside, N. J., assignors to Standard Oil Development Company. Hypochlorite sweetening process. 2,631,121, Mar. 10.

Linn, Norman F., Summit, H. Ernst, Jr., Fanwood, and A. K. Scott, Westfield, N. J., assignors to Standard Oil Development Company. Sulfur dioxide extraction process. 2,645,608, July 14.

Linneman, Fred, Estelline, S. Dak. Boat trailer. 2,657,934, Nov. 3.

Linnert, George E., Baltimore, Md., assignor to Armco Steel Corporation. Welding turbine rotors. 2,663,075, Dec. 22.

Linney, Douglas M., Farmington, N. Mex., assignor to Bowen Co. of Texas, Inc., Houston, Tex. Combination jar and equalizer. 2,659,576, Nov. 17.

Linotype and Machinery Limited, assignee: *See*— Scott, Richard H., and Hayward. Spence, Fred.

Linquist, William A., Minneapolis, Minn. Wheel chair with detachable armrest. 2,653,649, Sept. 29.

Linsker, Eugene: *See*— Gummere, Harold O., and Linsker.

Linstead, Gilbert, Rockford, Ill. Adjustable mounting assembly for motor-driven, hand-operated shaping tools. 2,635,655, Apr. 21.

Linstedt, William F., Plymouth, Wis., assignor to Kraft Foods Company, Chicago, Ill. Boxmaking machine. 2,645,984, July 21.

Lintern, A. R., Inc., assignee: *See*— Spooner, Richard C.

Linton, Alfred, and R. W. Lewis, Dundee, Scotland, assignors to Burndept Limited, London, England. Voltaic cell. 2,649,492, Aug. 18.

Linton, Bert F., Visalia, Calif. Animal hold-down for cattle chutes. 2,660,982, Dec. 1.

Lintz, Mark, San Francisco, Calif., assignor to Fuller Company. Cement cooler. 2,641,849, June 16.

Linwood Manufacturing Co., assignee: *See*— Wilson, Price.

Linzell, Leslie, Watford, assignor to Pictorial Machinery Limited, London, England. Photoreproduction camera. 2,643,187, June 23.

Lion, Henry, Los Angeles, Calif. Animator's stand. 2,660,389, Nov. 24.
Lion Oil Company, assignee: *See*—
Franz, Raymond A.
Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.
Bonanno, Joseph L., and Beger.
Bonanno, Joseph L., and Gash.
Pettit, Frank.
Liotta, Frank, Brooklyn, N. Y. Vehicle signaling device. 2,635,227, Apr. 14.
Lipe-Rollway Corporation, assignee: *See*—
Harney, Bernard C.
Mariotte, Eugene S.
Spase, Charles B.
Lipic, Sylvester G., Sappington, Mo. Pyrophoric lighter with auxiliary divided chamber. 2,629,955, Mar. 3.
Lipic, Sylvester G., Sappington, and H. R. Morrow, assignors to Ritepoint Co., St. Louis, Mo. Ornamental device for pyrophoric lighters. 2,651,870, Sept. 15.
Lipiner, Edmund: *See*—
Win, Bernhard, and Lipiner.
Lipka, Dolores A., Cincinnati, Ohio. Convertible article of furniture. 2,634,792, Apr. 14.
Lipkin, Charles, New York, N. Y. Multiplying calculator, including a slidable slate. 2,663,093, Dec. 22.
Lipman, Frederick M., Yonkers, assignor to Charles Marchand Company, New York, N. Y. Compositions for tinting hair. 2,645,595, July 14.
Lipman, Maurice S., Hempstead, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Drain valve. 2,655,932, Oct. 20.
Lipman, Michael G., Vineland, N. J. Pellet implanter. 2,659,369, Nov. 17.
Lipowitz, Joseph, Los Angeles, Calif. Flue-gas spray device. 2,643,105, June 23.
Lippert, Erhard M., assignor to Victor Adding Machine Co., Chicago, Ill. Paper tape guide for calculating machines. 2,633,968, Apr. 7.
Lippert, Erhard M., assignor to Victor Adding Machine Co., Chicago, Ill. Ribbon attaching means. 2,652,918, Sept. 22.
Lippert, Erhard M., assignor to Victor Adding Machine Co., Chicago, Ill. Removable logotype structure for calculating machines. 2,662,473, Dec. 15.
Lippert, Hanns, and E. Hepperle, assignors to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Buffer mechanism for automatic firearms with breech mechanism locked by inertia. 2,641,163, June 9.
Lippert, Hanns, and E. Hepperle, Zurich, assignors to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Automatic firearm. 2,650,520, Sept. 1.
Lippincott, Samuel B.: *See*—
Banes, Fred W., and Lippincott.
Lippincott, Samuel B., Westfield, N. J., assignor to Standard Oil Development Company. Preparation of borates of tertiary alcohols. 2,642,453, June 16.
Lippincott, Samuel B., Springfield, F. N. Baumgartner, Plainfield, and H. L. Yowell, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil compositions containing alkyl diphenylalkane monosulfonates. 2,639,694, Nov. 17.
Lippis, Tony, Florence, Colo. Trench digging plow. 2,660,815, Dec. 1.
Lippmann, Arthur W. and E. E., assignors to Lippmann Engineering Works, Milwaukee, Wis. Flap opener for cartons. 2,637,958, May 12.
Lippmann, Bernard A., New York, N. Y., and J. S. Schwinger, Boston, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Microwave Wheatstone bridge. 2,643,295, June 23.
Lippmann, Edmund E.: *See*—
Lippmann, Arthur W. and E. E.
Lippmann Engineering Works, assignee: *See*—
Lippmann, Arthur W. and E. E.
Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Article handling and timing device. 2,630,203, Mar. 3.
Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Receptacle filler. 2,630,960, Mar. 10.
Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Bottle filler. 2,642,214, June 16.
Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Float-controlled valve. 2,646,819, July 28.
Lippold, Carl J., Wauwatosa, assignor to J. M. Nash Company, Milwaukee, Wis. Method and apparatus for sanding and polishing spools and the like. 2,654,188, Oct. 6.
Lipschitz, Joseph, Hillside, N. J. Card game apparatus. 2,655,736, Oct. 20.
Lipshutz, Julius H., Brooklyn, N. Y. Confection product. 2,630,389, Mar. 3.
Lipscomb, Robert D., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymerization of sulfur dioxide with carbon monoxide and three-component solid polymers thereof with a monoolefinic hydrocarbon. 2,634,254, Apr. 7.
Lipski, Edward B.: *See*—
Beck, Joseph E., and Lipski.
Lipson, Charles, assignor to Charles Lipson Company, Atlantic City, N. J. Combined container and amusement box. 2,627,697, Feb. 10.
Lipson, Charles, Company, assignee: *See*—
Lipson, Charles.
Lipson, Milton, Jersey City, N. J. Sash cord connector. 2,657,422, Nov. 3.
Lipton, Henry, Chicago, Ill. Making prewelt shoes. 2,641,006, June 9.
Liquid Carbonic Corporation, assignee: *See*—
Galazzi, Joseph A., Jordan, and Van Vliet.
Kantor, James.
Kantor, James, and Rosenberg.
Schirmer, Erhard.
Yuza, Joseph J.
Liquidepth Indicators Incorporated, assignee: *See*—
Bierman, Daniel H., and Jawett.
Bierman, Daniel H., Jawett, and Bierman.
Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A.
Sontheimer, Carl G.
Lisbon Machine Company, Incorporated, assignee: *See*—
Dotson, Orrie E.
Lisch, Charles H., Jr.: *See*—
Best, William L., and Lisch.
Lisk-Savory Corporation, assignee: *See*—
Brownell, Clifford E.
Lisko, Julian, Warren, Ohio. Clothes hanger. 2,635,794, Apr. 21.
Lisle Corporation, assignee: *See*—
Brooks, Thomas E.
Liss, Jules, New York, N. Y. Drinking glass holder. 2,632,320, Mar. 24.
Lissance, Alexander: *See*—
Lissiansky, Alexander.
Lissiansky, Alexander, New York, N. Y., now by change of name, A. Lissance. Phonograph record demonstrator. 2,626,158, Jan. 20.
Lissiansky, Alexander, now by change of name A. Lissance, New York, N. Y., assignor to International Mutoscope Corporation, Long Island, N. Y. Sound recording and reproducing apparatus. 2,647,751, Aug. 4.
List, Enrique, assignor to ITEM Sociedad de Responsabilidad Limitada, Buenos Aires, Argentina. Sanding, scraping, and polishing machine. 2,641,721, June 9.
List, Hans, assignee: *See*—
Schelterlein, Andreas.
Lister, R. A., & Company Limited, assignee: *See*—
Morris, Alberto J.
Listolator Corporation, The, assignee: *See*—
Rowan, Eugene J.
Liston, Marcia B., assignee: *See*—
Bletcher, Ralph E., and Bentley.
Liston, Max D., Darien, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Oximeter. 2,640,389, June 2.
Liston, Sol, St. Kilda, Melbourne, Victoria, Australia. Molding, baking, depanning, and delivering means for loaves. 2,652,791, Sept. 22.
Litchfield, Anthony F., and W. B. Welsh, Manchester, England. Lidding machine. 2,658,635, Nov. 10.
Litchfield, Philip F., Minneapolis, Minn. Auxiliary shelf. 2,633,996, Apr. 7.
Litchford, George B.: *See*—
Lyman, Joseph, and Litchford.
Litchford, George B., Cold Spring Harbor, N. Y., assignor to The Sperry Corporation. Air traffic control system. 2,653,314, Sept. 22.
Litchy, Louis J.: *See*—
Schulte, Mike T., Litchy, and Downward.
Lithium Corporation of America, Inc., assignee: *See*—
Fenton, Walter M.
Litt, Sidney E., Elkins Park, Pa. Automatic egg cooking device. 2,630,062, Mar. 3.
Littell, F. J., Machine Company, assignee: *See*—
Littell, Frederick M.
Littell, Frederick M., and Skriba.
Littell, Frederick M., assignor to F. J. Littell Machine Company, Chicago, Ill. Coil loading car. 2,634,091, Apr. 7.
Littell, Frederick M., assignor to F. J. Littell Machine Company, Chicago, Ill. Double cone reel. 2,662,698, Dec. 15.
Littell, Frederick M., Detroit, Mich., and R. A. Skriba, assignors to F. J. Littell Machine Company, Chicago, Ill. Hydraulic reel. 2,636,693, Apr. 28.
Littell, John G., Florham Park, assignor to Krementz & Company, Newark, N. J. High-frequency electrical heating apparatus. 2,631,221, Mar. 10.
Litterio, Virgy E., and M. T. Blease, Providence, R. I. Mechanism for threading beads. 2,640,631, June 2.
Little, Arthur D., Inc., assignee: *See*—
Buron, Harry A.
Dawbarn, Waring L.
Fogler, Benjamin B., and Nugent.
Harford, Charles G.
Harford, Charles G., Kreidl, and Utter.
James, Raymond W., and Lovering.
Keyes, Frederick G.
King, Gilbert W.
McMahon, Howard O.
Reed, Flood E., Jr.
Sullivan, Frederick.

Little, Charles H., assignor to Universal Drafting Machine Corporation, Cleveland, Ohio. Drafting machine. 2,662,291, Dec. 15.
Little, Edmund J.: *See*—
Raider, George K., and Little.
Little, Ellwood E., assignor to The Coleman Company, Inc., Wichita, Kans. Space heating hot-air furnace for house trailers and the like. 2,625,150, Jan. 13.
Little, Ernest L., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carbon monoxide copolymers and a catalytic process for their preparation. 2,641,590, June 9.
Little, Floyd M., Campbell, Calif. Cabinet pull template. 2,647,325, Aug. 4.
Little, George E., assignee: *See*—
Young, Frank R.
Little, George N., assignor of one-fourth to himself, one-fourth to W. S. Pyle, Kansas City, one-fourth to C. O. Spangler, and one-fourth to J. L. Spangler, Independence, Mo. Circulating water pump for internal-combustion engines. 2,631,575, Mar. 17.
Little, John D.: *See*—
Du Rose, Arthur H., and Little.
Little, John D., Bay Village, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition of nickel. 2,658,867, Nov. 10.
Little, John M., and C. G. Blank, assignors to Toledo Scale Company, Toledo, Ohio. Weighing scale housing. 2,659,590, Nov. 17.
Little, John W., Birmingham, Ala., assignor to Gosline-Birmingham Manufacturing Company, Inc. Continuous rotary pressure or vacuum filter. 2,655,265, Oct. 13.
Little, Juanita N.: *See*—
Parsons, William F., and Little.
Little, Julian R., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization. 2,649,429, Aug. 18.
Little, Julian R., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization. 2,649,430, Aug. 18.
Little, Julian R., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization of synthetic rubber with alkyl dimethylol phenol and formaldehyde. 2,649,431, Aug. 18.
Little, Julian R., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Vulcanization with alkyl dimethylolphenol and alkanolamine. 2,649,432, Aug. 18.
Little, Robert A., Cleveland, Ohio. Sectional furniture. 2,661,993, Dec. 8.
Little, William F., Yonkers, assignor to Electrical Testing Laboratories, Inc., New York, N. Y. Wall lamp. 2,640,913, June 2.
Little America Frozen Foods, Inc., assignee: *See*—
Feigenbaum, David L.
Littlefield, Edgar E., Los Angeles, Calif. Fluid motor control. 2,657,673, Nov. 3.
Little Rock Basket Company, assignee: *See*—
De Haven, Robert H.
Littley, John J., Havertown, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Continuous plywood press apparatus. 2,627,883, Feb. 10.
Littman, Lawrence, Ramsey, assignor, by mesne assignments, to Advance Holding Corporation, Upper Montclair, N. J. Paper cutting means with a suction applying device. 2,661,801, Dec. 8.
Litton, Charles V., Redwood City, Calif. Nonemissive electrode and making. 2,641,555, June 9.
Litton, Charles V., Redwood City, Calif. High-frequency magnetron. 2,642,551, June 16.
Litton, Charles V., Redwood City, Calif. Making metal-to-ceramic seals. 2,647,070, July 28.
Litton, Charles V., Redwood City, Calif. Magnetron strapping arrangement. 2,649,556, Aug. 18.
Litton, Charles V., Redwood City, Calif. Simplitron magnetron. 2,652,516, Sept. 15.
Littmann, Leo, assignee: *See*—
Maho, Jacques.
Litvan, Franz: *See*—
Stoll, Willy, and Litvan.
Litvan, Franz, and W. Stoll, assignors to J. R. Geigy A. G., Basel, Switzerland. Production of a rodenticidal composition. 2,648,681, Aug. 11.
Litvan, Franz, and W. Stoll, assignors to J. R. Geigy A. G., Basel, Switzerland. 4-hydroxycoumarin derivatives. 2,648,683, Aug. 11.
Livacich, John T., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Closing machine with oval container and cover positioning device. 2,660,968, Dec. 1.
Livacich, John T., and E. W. De Gear, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Closing machine with rectangular container squaring and debulging devices. 2,660,936, Dec. 1.
Livermon, Carl R., Roxobel, N. C. Amphibious boat trailer. 2,644,176, July 7.
Livermore, H. F., Corporation, assignee: *See*—
Dodge, Sherwood O.
Johnson, Emil C.
Livermore, William T., Grosse Pointe Farms, Mich. Automatic fluid pressure transmission. 2,633,035, Mar. 31.
Livermore, William T., Grosse Pointe Farms, Mich. Automatic fluid pressure transmission. 2,636,585, Apr. 28.
Livermore, William T., Grosse Pointe Farms, Mich. Automatic clutch. 2,663,393, Dec. 22.
Livers, Carlos B., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid metering valve having differential hydraulic mechanism. 2,632,472, Mar. 24.
Livers, Carlos B., assignor to Bendix Aviation Corporation, North Hollywood, Calif. Releasable detent mechanism. 2,658,410, Nov. 10.
Livers, Carlos B., assignor to Bendix Aviation Corporation, North Hollywood, Calif. Automatic quick-disconnect coupling manual flow control. 2,662,784, Dec. 15.
Livers, Carlos B., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Stroke-limiting control valve for hydraulic motors. 2,664,106, Dec. 29.
Livers, Carlos B., North Hollywood, and A. A. Meddock, Van Nuys, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid-metering valve for hydraulic motor control systems. 2,632,470, Mar. 24.
Livers, Carlos B., North Hollywood, and A. A. Meddock, Van Nuys, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Retainer mechanism for quick disconnect coupling. 2,648,552, Aug. 11.
Livezey, William G.: *See*—
Storer, John E., Jr., and Livezey.
Livingston, Francis G., and O. B. Harmes, assignors to Livingston Tool Co., Algona, Iowa. Valve seat reconditioning tool. 2,636,325, Apr. 28.
Livingston, Herbert K.: *See*—
Bradley, Harris W., and Livingston.
Livingston, Herbert K., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Alkali metal dispersions. 2,642,344, June 16.
Livingston, Herman H., Bronx, N. Y. Apparatus for the transfusion of blood. 2,642,867, June 23.
Livingston Tool Co., assignee: *See*—
Harmes, Oren B.
Livingston, Francis G., and Harmes.
Livingstone, Jay G., Akron, Ohio. Pouring attachment and adapter therefor. 2,636,629, Apr. 28.
Livsey, Ralph, Shaker Heights, Ohio. Infant incubator. 2,638,087, May 12.
Lizenbee, Randel E., Advance, Mo. Weed deflector and tying wire guide for baling presses. 2,655,861, Oct. 20.
Ljungstrom, Fredrik, Fiskebackskil, assignor to Svenska Skifferolje Aktiebolaget, Orebro, Sweden. Electrothermal production of shale oil. 2,634,961, Apr. 14.
Lloyd-Avon, Ltd., assignee: *See*—
Montgomery, Paul S.
Lloyd, Donald, Oklahoma City, Okla., assignor by mesne assignments, to Tuboscope Company, Harris County, Tex. Magnetic testing apparatus. 2,650,344, Aug. 25.
Lloyd, Jack M., and W. M. Williamson, Driscoll, Tex.; said Lloyd assignor of one-twentieth to E. Wilson, and one-twentieth to J. S. Ryan, Murfreesboro, Tenn. Emergency signaling apparatus. 2,628,307, Feb. 10.
Lloyd, Llewellyn N.: *See*—
Turner, Neil H., and Lloyd.
Lloyd Products Company, The, assignee: *See*—
Richardson, Arthur A.
Lloyd, Raymond G., La Grange Park, Ill., and W. H. Young, Bethesda, Md. System of radio aids for aerial navigation in the vicinity of airports. 2,638,589, May 12.
Lloyd, Rex R., J. B. Rosenbaum, and V. E. Homme, Boulder City, Nev., assignors to the United States of America as represented by the Solicitor of the Department of the Interior. Production of electrolytic chromium from ferrochrome. 2,663,686, Dec. 22.
Lloyd, Thomas W., Sutherlin, Oreg. Cover for telescopic sights. 2,657,465, Nov. 3.
Lloyd, Thomas W., and D. W. Mason, Baltimore, Md., assignors to Harbison-Walker Refractories Company, Pittsburgh, Pa. Sheet metal bending apparatus. 2,627,890, Feb. 10.
Lloyd, Tom C., and S. S. L. Chang, assignors to Robbins & Myers, Inc., Springfield, Ohio. Submersible transformer and electric motor and combination. 2,629,076, Feb. 17.
Lloyd, William E., Homewood, assignor to Armour and Company, Chicago, Ill. Decreasing egg white whipping time. 2,648,606, Aug. 11.
Lo, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Monostable transistor triggered circuits. 2,644,895, July 7.
Lo, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Transistor bistable circuit. 2,644,896, July 7.
Lo, Arthur W., Haddonfield, N. J., assignor to Radio Corporation of America. Transistor ring counter. 2,644,897, July 7.
Lo, Arthur W., and R. P. Moore, Jr., Haddonfield, N. J., assignors to Radio Corporation of America. Monostable transistor circuits. 2,644,894, July 7.
Lo, Chien-Pen: *See*—
Croxall, Willard J., and Lo.
Löbbe, Armin D., administrator: *See*—
Loebbe, Wilhelm.
Löbbert, Anton, Ütfort uber Moers, Germany. Device for dustless drilling in the rock of mines. 2,646,256, July 21.

Lober, Friedrich, and M. Bögemann, Leverkusen-Bayerwerk, and R. Wegler, Leverkusen-Schlebusch, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Hydrazide of organic sulfonic acid as blowing agent in plastics. 2,626,933, Jan. 27.

Loberg, Henry T., West Allis, Wis. Portable conveyer. 2,657,786, Nov. 3.

Lobl, Frederick, Middleboro, Mass. Elastically sealed closure for containers. 2,639,058, May 19.

Lobl Manufacturing Company, The, assignee: *See*—
Porter, Malcolm E.

Lobo, Walter E., Westfield, assignor to The M. W. Kellogg Company, Jersey City, N. J. Seprating gas mixtures. 2,650,482, Sept. 1.

Lobosco, Roscoe R., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Automatic metal arc welding system. 2,636,102, Apr. 21.

Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière with breast straps having adjustment at sides. 2,650,363, Sept. 1.

Locey, Harry A., assignor to L. H. Allison, Houston, Tex. Safety switch. 2,644,868, July 7.

Locher, Ross E., San Marino, assignor to Zinsco Electrical Products, Los Angeles, Calif. Thermally actuated automatic overload circuit breaker. 2,633,515, Mar. 31.

Lochhead, John L., Springfield, Mass., assignors to the United States of America as represented by the Secretary of War. Firing pin retracting means for firearms. 2,626,474, Jan. 27.

Lochridge, Edwin H.: *See*—
Noyes, Stanley E., and Lochridge.

Lochridge, Edwin H., Glendale, Calif., assignor to Dental Perfection Company. Dental impression composition. Re. 23,700, Aug. 18.

Lochridge, Edwin H., assignor to Dental Perfection Company, Glendale, Calif. Impression material. 2,657,971, Nov. 3.

Lock, Daisy P., Burlington, Iowa. Removable washable doll cover. 2,636,318, Apr. 28.

Lock, Douglas S., and F. D. Wilson, assignors to Dearborn Motors Corporation, Birmingham, Mich. Rotary stripper for side delivery rakes. 2,657,520, Nov. 3.

Lock, Frank, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Chain-block connection. 2,630,610, Mar. 10.

Lock, Frank, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Hoist limit mechanism. 2,637,525, May 5.

Lock, Frank, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Hoist construction. 2,656,150, Oct. 20.

Lockair Pty, Limited, assignee: *See*—
Pegler, Joseph L.

Lockard, Ronald C., Freeport, Pa. Smoking pipe. 2,662,530, Dec. 15.

Lockard, Vene T.: *See*—
Gerue, Agnes M., and Lockard.

Locke, Burton H., Framingham, Mass. Dispenser for book matches. 2,626,848, Jan. 27.

Locke, Burton H., Framingham, Mass. Bottle holder and carrier. 2,647,786, Aug. 4.

Locke, Burton H., Framingham, Mass. Bottle holder and carrier. 2,647,787, Aug. 4.

Locke, George A.: *See*—
Branson, David E., and Locke.

Locke, George A., Glenwood Landing, and A. Weaver, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic message accounting system. 2,642,493, June 16.

Locke, Louis P., Victor, N. Y. Rotary gas burner. 2,646,788, July 28.

Locke, Louis P., Victor, N. Y. Apparatus for forming and assembling electrical terminals. 2,659,406, Nov. 17.

Locke, Raymond C.: *See*—
Hutton, Ernest W., and Locke.

Locke Steel Chain Company, The, assignee: *See*—
Stegeman, Henry J.

Locke, Walter F., Emsworth, assignor to Fireproof Tanks Limited, London, England. Improving the flame resistance of metal and product. 2,656,295, Oct. 20.

Lockemann, Wilhelm: *See*—
Rossberg, Ehrhard, and Lockemann.

Locken, John H., assignor of one-half to R. F. Locken, Minneapolis, Minn. Sun visor. 2,629,869, Mar. 3.

Locken, Roseanne F., assignee: *See*—
Locken, John H.

Lockery, Harry E., New Haven, and B. L. Weller, Easton, assignors to Vitramon Incorporated, Stepney, Conn. Leads to laminated electric circuit components. 2,636,920, Apr. 28.

Lockett, John J., Endicott, N. Y. Retainer for garment cuffs. 2,631,291, Mar. 17.

Lockett, John R., Columbus, Ohio. Method and means for excluding water penetration into well bores. 2,626,778, Jan. 27.

Lockett, John R., Marietta, Ohio. Delayed-action detonator for firing explosives. 2,641,185, June 9.

Lockey, Ike K., Hondo, Calif. Patient lifter and carrier. 2,636,188, Apr. 28.

Lockhart, Marshall L., assignor to The Compule Corporation, Rutherford, N. J. Single dosage disposable hypodermic syringe ampoule and assembly. 2,625,157, Jan. 13.

Lockhart, Marshall L., assignor to The Compule Corporation, Rutherford, N. J. Mixing container for segregated ingredients of therapeutic preparations. 2,636,493, Apr. 28.

Lockhart, Robert K., Collingswood, N. J., assignor to Radio Corporation of America. Size control for cathode-ray tube deflection circuits. 2,657,332, Oct. 27.

Lockhart, Robert K., Moorestown, N. J., assignor to Radio Corporation of America. Television raster shape control system. 2,649,555, Aug. 18.

Lockhart, Robert W., assignor to Stewart-Warner Corporation, Chicago, Ill. Oscillographic plotting system. 2,656,536, Oct. 20.

Lockhart, Sadie, executrix, assignee: *See*—
Lockhart, William.

Lockhart, William, deceased, Cleveland, Ohio; S. Lockhart, executrix, assignor to S. Lockhart. Closure locking ring for containers. 2,625,721, Jan. 20.

Lockhart, William, deceased, Cleveland, Ohio; S. Lockhart, executrix, assignor to S. Lockhart. Tool for closing and opening containers of the metal drum or barrel type. 2,628,811, Feb. 17.

Lockheed Aircraft Corporation, assignee: *See*—
Derrington, Edward R.
Foster, Henry W., and Halpern.
George, Melvin F., Jr., and Reedy.
Greenwald, Harold A.
Lechner, Albert J.
McClain, Thomas H.
Messinger, Bernard L., Gray, and Richolt.
Monroe, Benjamin F.
Pittman, Kenneth F.
Price, Nathan C.
Rothwell, Gordon P.
Simon, Eli, and Thomas.
Simon, Eli, Thomas, and Burkart.

Lockie, Edward G., Bettendorf, Iowa. Golf ball retriever. 2,656,061, Oct. 20.

Lock Joint Pipe Company, assignee: *See*—
Folks, Eugene F.
Hirsh, Philip R.
Kennison, Hugh F.

Lockman, Carl J., Stockholm, Sweden, assignor to Rosenblad Corporation, New York, N. Y. Heat-treating a fluent substance. 2,647,570, Aug. 4.

Lockport Cotton Batting Co., assignee: *See*—
Cole, Thomas D.

Lockwood, Charles H., Atchison, Kans., assignor to The Lockwood Company, Inc. Loose-leaf binder. 2,637,323, May 5.

Lockwood Company, Inc., The, assignee: *See*—
Lockwood, Charles H.

Lockwood, Daniel C., South Pasadena, assignor to C. F. Braun & Co., Alhambra, Calif. Multiple flow column. 2,646,266, July 21.

Lockwood, David W., Evanston, and W. E. Bowman, Kenilworth, Ill. Safety passenger holding device for automotive vehicles. 2,661,221, Dec. 1.

Lockwood, Lewis B.: *See*—
Pfeifer, Virgil F., Nelson, Vojnovich, and Lockwood.

Lockwood, Louis H., Rohrerstown, assignor to Armstrong Cork Company, Lancaster, Pa. Mold structure. 2,625,710, Jan. 20.

Lodewick, Madeleine: *See*—
Lodewick, Mildred, and M. Lodewick.

Lodewick, Mildred, and M., New York, N. Y. Receptacle for lipsticks. 2,637,440, May 5.

Lodge, Frank, and J. Wardleworth, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Arylaminoacedianthrone isothiouronium salts. 2,655,515, Oct. 13.

Lodge, Frank E., administrator: *See*—
Lodge, Walter B., and Corden.

Lodge, Walter B., deceased, and G. A. Corden, Outwood, near Wakefield; F. E. Lodge, administrator of said W. B. Lodge, assignors to Armitage & Bertram Limited, Leeds, England. Unloading system for mines. 2,626,721, Jan. 27.

Loe, Ira G., Cleveland, assignor to T. L. Marr, Andover, Ohio. Handgrip attachment for bathtubs. 2,642,581, June 23.

Loeb, Carrol S., assignee: *See*—
Fernald, Merritt C.

Loeb, Morris, New York, N. Y. Connecting device. 2,656,550, Oct. 27.

Loebbe, Wilhelm, deceased, by A. D. Löbbe, administrator, Oberaden, Germany. Means for removing pit props. 2,647,736, Aug. 4.

Loeber, Don E., Closter, N. J., assignor to Remington Rand Inc., New York, N. Y. Sheet feeder. 2,636,734, Apr. 28.

Loeck, Günther F. E., North Troy, assignor to W. & L. E. Gurley, Troy, N. Y. Erecting eyepiece with variable magnification. 2,662,443, Dec. 15.

Loecy, Joseph, Jr., Euclid, Ohio. Diamond tool assembly. 2,628,608, Feb. 17.

Loecy, Joseph, Jr., Euclid, Ohio. Diamond tool assembly. 2,644,442, July 7.

Loedel, Marie W.: *See*—
Menz, Emil, and Schmidt.

Loef, Jakob, Moosburg, Germany. Hydraulic jack. 2,624,174, Jan. 6.

Loeff, George D.: *See*—
Ernst, Robert, and Loeff.

Loeffler, David, Marion, Tex. Bowling ball with grip measuring facilities. 2,632,254, Mar. 24.

Loeffler, Fritz, and K. Wolwode, New York, N. Y. Toy telephone with music device. 2,634,647, Apr. 14.

Loeffler, John E., assignor to Thornhill-Craver Company, Houston, Tex. Header. 2,641,284, June 9.

Loehle, Joseph N., Baltimore, Md., assignor to the United States of America as represented by the Secretary of War. Protective preparation against mustard gas. 2,625,500, Jan. 13.

Loesel, George O., Erie, Pa. Combined can holding and brush wiping device. 2,638,245, May 12.

Loeser, Donald B., Milwaukee, Wis., assignor, by mesne assignments, to The Sorg Paper Company, Middletown, Ohio. Machine for fabricating laminated signatures provided with sheet metal inserts. 2,629,423, Feb. 24.

Loetscher, Fred R., assignor to Farley & Loetscher Mfg. Co., Dubuque, Iowa. Laminate construction material. 2,628,144, Feb. 10.

Loewe & Co. A. G., assignee: *See*—
Vogler, Bruno.

Loewe, Leo, Brooklyn, assignor to The Jacques Loewe Research Foundation, New York, N. Y. Therapeutic product. 2,656,298, Oct. 20.

Loewen, Roland P., and J. H. Starr, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Production of alloys. 2,651,569, Sept. 8.

Loewengart, Justin, New York, N. Y. Plastic, rubber or like article with integral fastening means. 2,662,308, Dec. 15.

Loewy Engineering Company Limited, The, assignee: *See*—
Salter, Frank S.

Loewy, Erwin, assignee: *See*—
Wood, Frank J.

Lofgren, Gustaf E., Riverside, R. C. Lampe, Stamford, and J. T. Ferraris, Cos Cob, assignors to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner. 2,641,330, June 9.

Loftin, Charles C., Cincinnati, Ohio. Crib. 2,645,786, July 21.

Lofton, Jasper W., and M. T. Archer, Houston, Tex. Air cleaning device. 2,653,916, Sept. 22.

Logan, Arthur L., Floral Park, N. Y. Attachment for Hollywood beds. 2,632,899, Mar. 31.

Logan Co., Inc., assignee: *See*—
Prentice, John M.

Logan, David J., assignor of ten per cent to J. R. Jennings and ten per cent to A. C. Payne, Taylorsville, N. C. Radiator cleaning apparatus. 2,663,304, Dec. 22.

Logan, Floyd J., Alabama City, assignor of one-half to E. G. Parr, Gadsden, Ala. Wash cloth, including soap pocket and means for opening same. 2,635,273, Apr. 21.

Logan, Henry H., Chicago, Ill. Adjustable bench stop. 2,644,499, July 7.

Logan, Hugh H., La Canada, Calif. Soap dispenser. 2,643,669, June 30.

Logan, Joseph A.: *See*—
Bilis, Philip H., Logan, and Mesh.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Unloading means for gasoline dispensing pumps. 2,625,108, Jan. 13.

Logan, Joseph A., Hadley, and E. V. Lavallee, South Hadley Falls, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Time-controlled fuel pump unloading means for pressure-atomizing oil burners. 2,661,795, Dec. 8.

Logan, Joseph A., Hadley, and G. D. Robinson, Agawam, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Hydraulic time-delay device for high-pressure liquid-fuel-supply pumps. 2,662,477, Dec. 15.

Logan, Joseph A., Hadley, and G. D. Robinson, Agawam, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Hydraulic control device for high-pressure liquid-fuel-supply pumps of pressure-atomizing oil burners. 2,662,542, Dec. 15.

Logan, Roger L., assignor to Kessler Chemical Co., Inc., Philadelphia, Pa. Making organic compounds. 2,625,558, Jan. 13.

Logan, Roger L., Markham, assignor to The C. P. Hall Company of Illinois, Chicago, Ill. Oxidation of fatty acids. 2,662,908, Dec. 15.

Logan, Walter: *See*—
McShane, John F., and Logan.

Logel, Henry J., Dayton, Ohio. Mop holder. 2,626,415, Jan. 27.

Loggins, Lumpkin D., Commerce, Ga. Pressure indicator for pneumatic tires. 2,655,571, Oct. 13.

Logie, Charles F.: *See*—
Vanderveld, Anthony, and Logie.

Logsdon, Robert F., assignor to American Air Filter Company, Inc., Louisville, Ky. Corrugated screen gas impingement filter. 2,643,735, June 30.

Logue, John T.: *See*—
Thompson, Frank L., and Logue.

Lohmar, Rolland L., Jr., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Activation and esterification of amylaceous polysaccharides. 2,627,516, Feb. 3.

Lohmar, Walter P., Elgin, Ill. Fishing pole holder. 2,652,999, Sept. 22.

Lohr, Arthur D.: *See*—
Conner, Joshua C., Jr., and Lohr.

Lohr, Raymond J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Wheeled toy with automatically steering cyclist. 2,649,805, Aug. 25.

Lohr, Raymond J., and R. N. Carver, Erie, Pa., assignors to Louis Marx & Company, New York, N. Y. Spring driven wheeled toy. 2,629,967, Mar. 3.

Lohr, Raymond J., and R. N. Carver, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Ball control game apparatus. 2,634,129, Apr. 7.

Lohrman, William V.: *See*—
Silver, Walter H., and Lohrman.

Lohs, Willy, Berlin-Siemensstadt, and F. Sommer, Berlin-Nikolassee, assignors to Siemens & Halske Aktiengesellschaft, Munich and Berlin, Germany. Step-by-step electric motor. 2,654,846, Oct. 6.

Lohse, Edward, Brooklyn, and S. H. Gross, New York, assignors to Control Instrument Company, Inc., Brooklyn, N. Y. Positional correspondence indicator for servo mechanisms. 2,648,834, Aug. 11.

Lokey, A. L., assignee: *See*—
Dean, Paul E.

Lolkema, Jan, Hoogezand, assignor to Naamlooze Venootschap: W. A. Scholten's Chemische Fabrieken, Groninzen, Netherlands. Forming an insoluble coating. 2,657,155, Oct. 27.

Loma Plastics Inc., assignee: *See*—
Barnett, Louis H., and Brin.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Pay station control trunking for mixed service telephone systems. 2,644,040, June 30.

Lomax, Clarence E., assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Conversation timing in telephone systems. 2,647,163, July 28.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Conversation timing controlled in linefinders and repeaters. 2,652,455, Sept. 15.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Sequence switch circuit. 2,654,001, Sept. 29.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line selective signaling system having code and conference call. 2,658,110, Nov. 3.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Preenergizing circuits for line relay and vertical magnet of automatic switches. 2,663,762, Dec. 22.

Lomax, Clarence E., Chicago, and R. J. Gallagher, River Forest, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone pay station circuit. 2,640,107, May 26.

Lomax, William, and P. D. Smith, assignors to Wolsey Limited, Leicester, England. Linking or point seaming machine. 2,632,414, Mar. 24.

Lomazzo, Edmund J., Norwalk, Conn. V belt cutting machine. 2,660,243, Nov. 24.

Lomazzo, Edmund J., Norwalk, and L. E. Maquat, Easton, Conn., assignors, by mesne assignments, to The Dayton Rubber Company, Dayton, Ohio. Belt dressing and cutting device. 2,661,579, Dec. 8.

Lombard, Adrian A., Allestree, assignor to Rolls-Royce Limited, Derby, England. Gas turbine engine. 2,636,665, Apr. 28.

Lombard, Adrian A., Allestree, assignor to Rolls-Royce Limited, Derby, England. Gas turbine engine with deicing apparatus. 2,636,666, Apr. 28.

Lombard, Adrian A., Allestree, assignor to Rolls-Royce Limited, Derby, England. Gas turbine engine. 2,647,684, Aug. 4.

Lombard, Adrian A., Clitheroe, assignor to Rolls-Royce Limited, Derby, England. Gas turbine and like engine. 2,628,067, Feb. 10.

Lombard, Adrian A., Allestree, F. W. W. Morley, Aston-on-Trent, C. A. Davis, Barrow-on-Soak, near Loughborough, and S. C. Wilkinson, Colne, assignors to Rolls-Royce Limited, Derby, England. Turbine disk. 2,628,065, Feb. 10.

Lombard, Adrian A., and F. W. W. Morley, Clitheroe, C. A. Davis, Barnoldswick, and S. C. Wilkinson, Colne, assignors to Rolls-Royce Limited, Derby, England. Turbine disk. 2,628,066, Feb. 10.

Lombard, Adrian A., Allestree, Derby, and D. H. Mattinson, assignors to Rolls-Royce Limited, Derby, England. Engine starter system. 2,663,994, Dec. 29.

Lombard, Charles F.: *See*—
Roth, Herman P., and Lombard.

Lombard Governor Corporation, assignee: *See*—
Warren, Henry E.

Lombardi, Eugene H., Port Chester, N. Y., assignor to General Precision Laboratory Incorporated. Magnetic record eraser. 2,638,507, May 12.

Lombardi, Gaetano, Milan, Italy. Convertible shirt. 2,651,042, Sept. 8.

Lombardi Knitting Machine Co., Inc., assignee: *See*—
Lombardi, Vincent.

Lombardi, Vincent, South Miami, Fla. Knitting machine and method. 2,626,513, Jan. 27.
Lombardi, Vincent, South Miami, Fla. Knitting mechanism. 2,627,739, Feb. 10.
Lombardi, Vincent, assignor to Lombardi Knitting Machine Co., Inc., Miami, Fla. Knitting mechanism and method. 2,662,383, Dec. 15.
Lombardi, William A., Derby, Conn. Brush comprising brush strips and holder therefor. 2,651,798, Sept. 15.
Lombardi, William A., Derby, Conn. Brush. 2,651,799, Sept. 15.
Lommen, Robert M.: *See*—
Feldhausen, Cyril P., Lommen, and Rouse.
Londergan, Thomas E., Niagara Falls, and W. R. Schmitz, Grand Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 4-methyl-5-(β-hydroxyethyl)-thiazole. 2,654,760, Oct. 6.
London, Bessie P., Baltimore, Md. Posture corrector. 2,628,613, Feb. 17.
London, Coleman, Baltimore, and R. H. Foy, Linthicum Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Performance indicator arrangement for wave energy systems. 2,656,533, Oct. 20.
London, Eric: *See*—
Boon, William R., Greenhalgh, London, and Vasey.
London, Isreal J., Detroit, Mich. Towel grip. 2,645,351, July 14.
London, Stanley J.: *See*—
Soares, Joaquim P., and London.
Lone Star Gas Company, assignee: *See*—
Martin, James W.
Lone Star Vender Corp., assignee: *See*—
James, Frazier N.
Loney, Hugh W., assignor to C. G. Conn Ltd., Elkhart, Ind. Bass clarinet. 2,649,829, Aug. 25.
Long, Anderson: *See*—
Doty, De Verne V., and Long.
Long, Armistead R., deceased, Fayetteville, and J. B. Long, Fayette, W. Va.; P. M. Long and C. E. Mahan, executors of said A. R. Long. Flight conveyer. 2,657,787, Nov. 3.
Long, Arthur H., assignor to Wm. K. Stamets Company, Pittsburgh, Pa. Measuring and cutoff machine. 2,642,663, June 23.
Long, Arthur R., New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill. Clutch and throttle control for outboard motors. 2,638,862, May 19.
Long, Carl E., Santa Monica, assignor, by mesne assignments, to Hardman Tool & Engineering Co., Los Angeles, Calif. Chair back. 2,636,552, Apr. 28.
Long, Charles A., assignor to Struthers Wells Corporation, Titusville, Pa. Closure and operating means therefor. 2,639,144, May 19.
Long, Charles F., and H. E. Abels, Washington, D. C. Scaffold. 2,658,803, Nov. 10.
Long, Crawford G., Birmingham, Ala., assignor of one-half to U. G. Ingle, Sr., Jesup, Ga. Control arm adjusting device for wheel suspensions. 2,630,330, Mar. 3.
Long, Crawford G., near Birmingham, Ala. Window sash holder and lock. 2,650,125, Aug. 25.
Long Finishing Mills, Inc., assignee: *See*—
Long, Nathan A., Carter, Lindley, Stadler, and Fogleman.
Long, Frank V.: *See*—
Lee, Joseph F., Denny, and Long.
Long, George R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Making heat exchange structures. 2,662,273, Dec. 15.
Long, Gretchen G., and V. Y. Long, Cleveland Heights, Ohio. Package wrapper. 2,651,131, Sept. 8.
Long, Harry C., assignor to Reliance Manufacturing Company, Incorporated, Portland, Oreg. Pot-type oil burner and igniter. 2,646,111, July 21.
Long, Henry R., Linden, N. J. Sheet delivery system for presses. 2,645,480, July 14.
Long, John B.: *See*—
Long, Armistead R. and J. B.
Long, John B., trustee, assignee: *See*—
Linn, Frank F.
Long, John B., and F. D. Downie, Alameda, Calif. Sliding door. 2,632,925, Mar. 31.
Long, John H., Flushing, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Balanced multichannel amplifier for wide amplitude range. 2,646,469, July 21.
Long, Leland E., Dayton, assignor to The Fayette Manufacturing Company, Fayette, Ohio. Axle and manufacture. 2,631,898, Mar. 17.
Long, Leo H., Burton, Wash. Impact breaker bar mechanism. 2,635,817, Apr. 21.
Long, Leonard D., Charleston, S. C. Press for molding concrete building elements. 2,624,928, Jan. 13.
Long, Loren M.: *See*—
Miller, Charles A., and Long.
Long, Loren M., Grosse Pointe Woods, and C. A. Miller, assignors to Parke, Davis & Company, Detroit, Mich. N-alkyl thiopheneacrylamides. 2,632,010, Mar. 17.
Long Manufacturing Company, Inc., assignee: *See*—
Atkinson, Wallace E.
Long, Marion V., and F. C. Schneider, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Control system for oil well pumps. 2,661,697, Dec. 8.
Long, Martin L., Washington, D. C., assignor to the United States of America as represented by the Postmaster General. Carbon paper remover. 2,639,145, May 19.
Long, Melvin, Dayton, Wash. Combine having side hill platform adjustments. 2,654,207, Oct. 6.
Long, Melvin E., Lakeville, N. Y. Outboard motor mounting bracket. 2,630,991, Mar. 10.
Long, Merton W., Jr.: *See*—
Huscher, Myron E., Long, and Moore.
Long, Nathan A., L. T. Carter, H. W. Lindley, L. B. Stadler, and W. L. Fogleman, assignors to Long Finishing Mills, Inc., Burlington, N. C. Apparatus for treatment of polyamide fabrics. 2,654,162, Oct. 6.
Long, Paul J.: *See*—
Funkhouser, Mearick, and Long.
Long, Pauline M., executrix: *See*—
Long, Armistead R. and J. B.
Long, Richard H., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,630,894, Mar. 10.
Long, Richard H., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission control mechanism. 2,662,621, Dec. 15.
Long, Richard H., and E. E. Prather, assignors to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,631,700, Mar. 17.
Long, Richard H., and E. E. Prather, assignors to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,637,425, May 5.
Long, Robert H., Brooklyn Village, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Anode package. 2,626,046, Jan. 20.
Long, Robert S.: *See*—
Clauser, Herbert C., and Long.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Azo dyes from 2-aminothiophene. 2,625,541, Jan. 13.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Azo dyes from 2-aminothiophene. 2,625,542, Jan. 13.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 2-acetoacetylaminothiophene. 2,625,551, Jan. 13.
Long, Robert S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 2-(2'-hydroxy-3'-naphtholylamino)-thiophene. 2,625,552, Jan. 13.
Long, Robert S., Bound Brook, N. J., and C. A. Sears, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coumarin derivatives. 2,647,132, July 28.
Long, Robert S., Bound Brook, N. J., and C. A. Sears, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Allyl derivatives of coumarin. 2,647,133, July 28.
Long, Russell E., Gray Ridge, Mo. Tree felling and land-clearing attachment. 2,650,628, Sept. 1.
Long, Spencer W., Inglewood, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Friction cathead. 2,640,683, June 2.
Long, Spencer W., Inglewood, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Friction cathead. 2,640,684, June 2.
Long, Spencer W., Inglewood, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drilling hook assembly. 2,661,232, Dec. 1.
Long, Vera Y.: *See*—
Long, Gretchen G. and V. Y.
Long, Vietta E.: *See*—
Green, Wesley R., and Long.
Long, Vinje M., Lewistown, Mont. Support structure for boom type crop sprayers. 2,645,523, July 14.
Long, William, Waldo, Wis. Boom and rudder assembly. 2,653,563, Sept. 29.
Long, William E.: *See*—
Bruce, John K., and Long.
Longacre, Andrew, Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Protective electric breakdown device. 2,637,780, May 5.
Longacre, Andrew, Oak Ridge, Tenn., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Tunable protective electric breakdown device. 2,629,774, Feb. 24.
Longbotham, Thomas, Portland, Oreg. Drum sander. 2,652,666, Sept. 22.
Longdon, John T.: *See*—
Beaudry, George D., Longdon, and Brink.
Longe, Nelson R., assignor to Jones & Lamson Machine Company, Springfield, Vt. Toolholder. 2,645,844, July 21.
Longenecker, Joseph B., and J. E. Cleland, Granite City, Ill., assignors to Union Starch & Refining Company, Columbus, Ind. Caramel color compositions. 2,651,576, Sept. 8.
Longenecker, Levi S., Pittsburgh, Pa. Means for charging scrap metal. 2,656,055, Oct. 20.
Longert, Christian L., Winterberg, Germany. Wheel hub with built-in dynamos, especially for bicycles and motor bicycles. 2,638,557, May 12.
Longfellow, Harold R.: *See*—
Lewis, Clay E., and Longfellow.
Longfellow, Harold R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Winding arbor. 2,655,322, Oct. 13.

Longfellow, Melvin E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Automatic control for reversing propellers. 2,632,516, Mar. 24.
Longfellow, Melvin E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller pitch stop system. 2,652,122, Sept. 15.
Longhurst, Thomas J., Vancouver, British Columbia, Canada. Heat dispersing drinking cup. 2,652,701, Sept. 22.
Longini, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Optical system for X-ray screen image intensifiers. 2,631,244, Mar. 10.
Longini, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Precision evaporation of antimony. 2,656,287, Oct. 20.
Longini, Richard L., and W. J. Hushley, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray fluorescent screen. 2,651,584, Sept. 8.
Longino, Hugh A., O'Donnell, Tex. Balloon stick. 2,651,879, Sept. 15.
Longino, Hugh A., O'Donnell, Tex. Balloon handle and whistle. 2,663,968, Dec. 29.
Longley, Raymond I., Jr.: *See*—
Emerson, William S., and Longley.
Longnecker, Joseph B.: *See*—
Cleland, James E., and Longnecker.
Longoria, Antonio, Cleveland, Ohio. Loom and actuation means for loom shuttles. 2,652,073, Sept. 15.
Longstreet, James R., Bedford, assignor to The Warner & Swasey Company, Cleveland, Ohio. Chip flushing means for beds of machine tools. 2,652,737, Sept. 22.
Longstreet, James R., Maple Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Sliver container. 2,630,243, Mar. 3.
Longstreet, James R., Maple Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Faller bar with canted pins. 2,648,874, Aug. 18.
Longstreet, James R., Maple Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Rectangular condenser for pin drafters. 2,661,503, Dec. 8.
Longstreet, James R., Maple Heights, Ohio, and R. Jacques, Uxbridge, Mass., assignors to The Warner & Swasey Company, Cleveland, Ohio. Elimination of faller bar creep in pin drafters. 2,643,419, June 30.
Longtin, George L. R., assignor to Kraft Paper Products Limited, St. Johns, Quebec, Canada. Snow fencing. 2,632,481, Mar. 24.
Longworth, Robert A.: *See*—
Longworth, William E., and R. A.
Longworth, William E., Rock Tavern, and R. A. Longworth, Middleton, N. Y. Internal air chamber air-heating furnace. 2,652,823, Sept. 22.
Longyear, E. J., Company, assignee: *See*—
Davis, Frank F., and Richmond.
Lontz, Dudley M., assignor to The McBee Company, Athens, Ohio. Collating writing board. 2,640,715, June 2.
Lontz, John F., Nutley, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Tetrafluoroethylene polymer compositions containing chlorinated lubricants. 2,630,417, Mar. 3.
Lontz, John F., Nutley, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Tetrafluoroethylene polymer compositions containing polyorganosiloxane lubricants. 2,644,802, July 7.
Lontz, John F., Wilmington, Del., assignor to American Cyanamid Company, New York, N. Y. 2-ethylamino derivatives of 1,2,3,4-tetrahydronaphthol. 2,654,757, Oct. 6.
Lontz, John F., and M. S. Raasch, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Alpha-amino acids containing alpha, fluorinated-alkyl or cycloalkyl groups. 2,662,915, Dec. 15.
Loock, Gerald H., Blythe, and R. E. Wollmer, Inglewood, Calif. Foldable sign carrier. 2,651,487, Sept. 8.
Loofboro, Newton E., assignor to The Parker Pen Company, Janesville, Wis. Magnetic clasp. 2,648,884, Aug. 18.
Loofboro, Vernon L., Rockton, Ill., and R. A. White, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill. Abrasive disk. 2,624,986, Jan. 13.
Loofboro, Vernon L., Rockton, Ill., and R. A. White, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill. Abrasive disk. 2,624,987, Jan. 13.
Loofbourrow, Alan G., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Strap brake. 2,633,937, Apr. 7.
Loois, Hendrikus J.: *See*—
Mazee, Willem M., and Loois.
Loomer, Joseph T., Waterford, Conn., assignor to Robert Gair Company, Inc., New York, N. Y. Coating paper web. 2,632,714, Mar. 24.
Loomis, Austin C., Plainville, assignor to The Stanley Works, New Britain, Conn. Track and bracket. 2,649,612, Aug. 25.
Loomis, Eugene C., Grosse Pointe Park, assignor to Parke, Davis & Company, Detroit, Mich. Fibrinolysin derived from [illegible]ood and method of obtaining the same. 2,624,691, Ja[illegible].
Loo[illegible]s, Russell L., Pasadena, Tex. Folding platform and step. 2,632,591, Mar. 24.
Loos, Mary A.: *See*—
Parsons, Joseph R., Higgs, and Loos.
Loose Leaf Metals Co., assignee: *See*—
Derringer, Pete O., and Davis.
Schroer, Walter E.
Loosli, Hermann, Zurich, Switzerland. Heat-controlled liquid switch. 2,644,058, June 30.
Lootens, William F., Syracuse, N. Y., assignor to General Electric Company. Level winding mechanism. 2,625,346, Jan. 13.
Looze, Louis F., Buffalo, N. Y. Concrete block handling tool. 2,652,715, Sept. 22.
Looze, Louis F., Buffalo, N. Y. Concrete block handling tool. 2,657,571, Nov. 3.
Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Electron beam vacuum tube. Re. 23,716, Sept. 29.
Loper, George B., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gain control system for seismic amplifiers. 2,656,422, Oct. 20.
Loper, George B., and S. N. Heaps, Dallas Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Vertical component low-frequency geophone. 2,636,160, Apr. 21.
López, Carlos R., Leon, Spain. Electric energy meter. 2,645,757, July 14.
Lopina, Joseph J., Chicago, Ill. Interlocking plastic tile. 2,627,744, Feb. 10.
Lopker, Frank J.: *See*—
Minor, Burt S., and Lopker.
Van Stone, Clifford E., Lopker, and Minor.
Lo Presti, Charles C., Astoria, assignor to United States Rubber Company, New York, N. Y. Stretchable face mask. 2,634,725, Apr. 14.
Lo Presti, Roy F.: *See*—
McCann, Keith, and Lo Presti.
Lo Presti, Salvatore: *See*—
Montes, Joseph, and Lo Presti.
Lorain Industries, Inc., assignee: *See*—
Kosash, Johan.
Lorain Products Corporation, assignee: *See*—
Huge, Henry M.
Pohm, George H.
Lorand, Eugene J., Wilmington, Del., and J. E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Oxidation of aromatic hydrocarbons. 2,664,447, Dec. 29.
Lorand, Eugene J., Wilmington, Del., and J. E. Reese, St. Simons Island, Ga., assignors to Hercules Powder Company, Wilmington, Del. Oxidation of aromatic hydrocarbons. 2,664,448, Dec. 29.
Lord, Arthur V.: *See*—
Lawson, Dennis I., and Lord.
Lord, Arthur V., assignor to Pye Limited, Cambridge, England. Radar beacon transmitter. 2,654,833, Oct. 6.
Lord & Burnham Division of Burnham Corporation, assignee: *See*—
Kleinhans, Arthur B.
Lord, Harold W.: *See*—
White, William C., and Lord.
Lord Manufacturing Company, assignee: *See*—
Henshaw, Richard C.
Wallerstein, Leon, Jr.
Lorentz, Roy E., Jr.: *See*—
Chapman, Edward C., and Lorentz.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Cord stop. 2,637,084, May 5.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. End brace for Venetian blind head bars. 2,651,358, Sept. 8.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Bottom bar organization for Venetian blinds. 2,659,430, Nov. 17.
Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind bottom bar. 2,663,367, Dec. 22.
Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Lorentzen, Hans K.
Nelson, Harry.
Lorenz, Anton, assignee: *See*—
Luckhardt, Johannes.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. Re. 23,635, Mar. 24.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,650,649, Sept. 1.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,655,200, Oct. 13.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,655,201, Oct. 13.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,661,048, Dec. 1.
Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,662,582, Dec. 15.
Lorenz, Anton, Buffalo, N. Y. Article of repose for supporting the body of a person. 2,663,356, Dec. 22.
Lorenz, Anton, Buffalo, N. Y. Article of repose for supporting the body of a person. 2,663,358, Dec. 22.
Lorenz, Anton, Buffalo, N. Y., and H. Nock, Elizabeth, N. J. Combined sofa seat and bed. 2,644,171, July 7.
Lorenz, Herman A.: *See*—
Gribler, Elmer J., and Lorenz.

Lorenz, Roy H.: *See*—
Bond, Donald C., and Lorenz.

Lorenzetti, Lorenzo, Sao Paulo, Brazil. Automatic electric water heater. 2,661,409, Dec. 1.

Lorenzi, Anton, Lugano, assignor to M. Gayco, Geneva, Switzerland. Preparing a friction ignitable composition for cigars and cigarettes. 2,634,199, Apr. 7.

Lorenzo, Louis: *See*—
Sejmang Edmund L., and Lorenzo.

Lorig, Edwin T., Pittsburgh, Pa., assignor to United States Steel Corporation. Apparatus for automatically centering moving objects. 2,660,429, Nov. 24.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Corporation. Transversely slotted metal belt for conveying and guiding strip traveling at high speed. 2,646,161, July 21.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Corporation. Automatic self-centering roll. 2,653,814, Sept. 29.

Lorig, Edwin T., Ross Township, Allegheny County, Pa., assignor to United States Steel Corporation. Continuous strand helical conveying apparatus. 2,654,139, Oct. 6.

Loriliard, P., Company, assignee: *See*—
Necas, Joseph V.

Lorimer, Allan G.: *See*—
Burn, Philip H., Graham, and Lorimer.

Lorimer, William H., Burlington, N. C. Ornamented stocking. 2,633,722, Apr. 7.

Loring, Samuel J., Strafford, Conn. Vibration mode analyzer. 2,644,331, July 7.

Loritsch, John A.: *See*—
Nordlander, Birger W., and Loritsch.

Loritsch, John A., Scotia, and M. Berdick, New York, N. Y., assignors to General Electric Company. Thixotropic compositions. 2,631,137, Mar. 10.

Loro, Eugene: *See*—
Webb, George L., and Loro.

Loroco Industries Incorporated, assignee: *See*—
Tomarin, Harry A.

Lorum Fibre Company, Inc., assignee: *See*—
Simon, Edgar K., and Fischer.

Lory, George, Los Angeles, Calif. Curve pen adapter. 2,639,506, May 26.

Lory, Jacques, assignee: *See*—
Gobin, René G.

Losching, Bernard H., assignor to The Schlueter Co., Janesville, Wis. Combination water and space combustion heater. 2,654,361, Oct. 6.

Losco, Ezekiel F., and F. C. Hull, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing bolts. 2,637,672, May 5.

Losey, Thomas B., assignor to The Guiberson Corporation, Dallas, Tex. Fabricated kelly. 2,643,861, June 30.

Lossau, Earl, Chicago, Ill. Hydraulic valve lifting mechanism. 2,635,544, Apr. 21.

Lothrop, Marcus: *See*—
Harris, Robert L., and Lothrop.

Lott, Gordon L., Vancouver, British Columbia, Canada. Radiograph marking apparatus. 2,649,547, Aug. 18.

Lott, William A.: *See*—
Bernstein, Jack, Lott, and Wiselogle.
Braker, William, Lott, and O'Keeffe.

Lott, William A., Maplewood, N. J., assignor, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Alkylene-bridged 5,6-dihydroxy-quinolines. 2,659,729, Nov. 17.

Lott, William A., Maplewood, and E. Pribyl, New Brunswick, N. J., assignors to Mathieson Chemical Corporation, New York, N. Y. Alkadienyl pyridyl and phenyl alkylene diamines, and preparing same. 2,626,262, Jan. 20.

Lott, William A., Maplewood, W. Braker, Newark, and A. E. O'Keeffe, Woodbridge, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Purification of antibiotics with water insoluble carboxylic acids. 2,644,816, July 7.

Lott, William A., Maplewood, and F. H. Bergeim, Highland Park, N. J., assignors to Mathieson Chemical Corporation, New York, N. Y. N-(C mercapto-pyrimidyl)-P-aminobenzenesulfonamides. 2,652,395, Sept. 15.

Lott, William A., Maplewood, J. Bernstein, New Brunswick, and L. J. Heuser, Robbinsville, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Purification of antibiotics. 2,664,419, Dec. 29.

Lott, William A., Maplewood, J. Bernstein, New Brunswick, and L. J. Heuser, Robbinsville, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Purification of antibiotics. 2,664,420, Dec. 29.

Lotter, Georg, Neustadt-Aisch, Germany, assignor of one-half to E. M. Riebe, New York, N. Y. Drawing instrument. 2,659,155, Nov. 17.

Lotter, Minna: *See*—
Lotter, William and M.

Lotter, William and M., St. Louis, Mo. Pressure cooker. 2,652,170, Sept. 15.

Lottes, Richard M., St. Louis, Mo. Mixing valve construction. 2,642,893, June 23.

Lotthammer, Eric K.: *See*—
Bauderer, Martha M., and Lotthammer.
Bodin, Alfred, and Lotthammer.
Brayman, George D., and Lotthammer.
Dinsmore, Margaret, and Lotthammer.
Manczek, Cashman, and Lotthammer.
Martin, Nora B., and Lotthammer.
Taylor, William F., and Lotthammer.
Winchester, Dora, and Lotthammer.

Lotus Limited, assignee: *See*—
Greatholder, Cyril G.

Lotz, Otto, Oberhausen, Germany, assignor to The Babcock & Wilcox Company, New York, N. Y. Tempered air swept pulverizer and classifier with common fan means to transport unclassified material and pulverized oversize particles to the classifier. 2,662,694, Dec. 15.

Louckes, Frank I., Memphis, Tenn. Hobbyhorse. 2,655,375, Oct. 13.

Loucks, George E., Belle River, Ontario, Canada. Step-ladder. 2,652,184, Sept. 15.

Loudon, Clifford L., La Jolla, Calif., assignor to Holmes Electric Protective Company, New York, N. Y. Ground potential compensator. 2,651,773, Sept. 8.

Loudon, Warren P., assignor to The National Cash Register Company, Dayton, Ohio. Receipt printing and issuing mechanism. 2,628,774, Feb. 17.

Loudon, Warren P., Tucson, Ariz., assignor to The National Cash Register Company, Dayton, Ohio. Cash drawer operating mechanism. 2,628,775, Feb. 17.

Loudon, Warren P., Tucson, Ariz., assignor to The National Cash Register Company, Dayton, Ohio. Locking mechanism for accounting machines. 2,628,777, Feb. 17.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Tuning indicator system. 2,624,837, Jan. 6.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Angular velocity modulated wave-signal receiver. 2,633,527, Mar. 31.

Loughran, Robert H., assignor to United Aircraft Corporation, East Hartford, Conn. Precombustion chamber. 2,632,299, Mar. 24.

Loughran, Robert T., assignor to The M. W. Kellogg Company, Jersey City, N. J. Treatment of hydrocarbon waxes. 2,651,655, Sept. 8.

Louis, Sidney, Chicago, Ill. Belt for preventing relative movement between two garments. 2,632,894, Mar. 31.

Louisiana State University and Agricultural and Mechanical College, Board of Supervisors of, assignee: *See*—
Horton, Paul M., and Keller.

Louisiana Tung Corporation, assignee: *See*—
Smith, Horace L., Jr., and Miller.

Lonkomsky, Serge A., Hartford, Conn. Coating compositions. 2,628,208, Feb. 10.

Loumiet et Lavigne, Jean, Itabo, Cuba. Process and appatus for the regulation of steam boilers. 2,662,507, Dec. 15.

Loumiet et Lavigne, Juan, Itabo, Cuba. Distilling process and apparatus. 2,636,846, Apr. 28.

Loumiet et Lavigne, Juan, Playa de la Teja, Itabo, Cuba. Distilling method. 2,643,220, June 23.

Lounsbery, Marian S.: *See*—
Mench, John W., and Lounsbery.

Louque, Eliskn, assignee: *See*—
Buchel, Jules.

Louthan, Clissolde L., Yucaipa, Calif. Device for checking the sale of tickets. 2,643,168, June 23.

Lovatt, James W. A., Hanley, Stoke-on-Trent, England. Muffle structure for use in firing kilns and ovens. 2,629,917, Mar. 3.

Lovatt, Norman K.: *See*—
Hill, Edgar A. G., and Lovatt.

Love, Harold N., assignor to Ideal Roller and Manufacturing Company, Chicago, Ill. Device for making injections. 2,650,591, Sept. 1.

Love, Herbert W., Coventry, and S. La Monica, Avon, Conn. Friction heat generator. 2,625,929, Jan. 20.

Love, Hugh E., Jr., Pasadena, Calif. Pin. 2,624,087, Jan. 6.

Love, Jabez A., Eau Claire, Mich. Disk blade gang. 2,640,406, June 2.

Love, Jabez A., Silver Creek Township, Berrien County, Mich. Lift type agricultural implement having multiple sets of transversely arranged ground engaging tools. 2,652,672, Sept. 22.

Love, John, assignor to K. A. C. Limited, Hillington, Glasgow, Scotland. Toggle fastener. 2,653,842, Sept. 29.

Love, Phil P.: *See*—
Wright, Stephen W., and Love.

Love, Robert M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Sweetening hydrocarbons. 2,626,232, Jan. 20.

Lovejoy Fexible Coupling Co., assignee: *See*—
Schmitt, Charles J.

Lovejoy, Rex E., Los Angeles, K. A. Smith, Burbank, F. A. Harrington, Brea, and J. K. Harter, Los Angeles, assignors to Marco Industries Company, Beverly Hills, Calif. Means for indicating maximum and minimum lighting conditions. 2,638,580, May 12.

Lovelace, Arron O., Fort Worth, Tex. Garment drier. 2,629,183, Feb. 24.

Lovelace, Clive E. C.: *See*—
Mildner, Raymond C., and Lovelace.

Loveland, Pratt R., Chicago, Ill. Combined sponge and squeegee window cleaning device. 2,649,600, Aug. 25.

Lovell, Clarence A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Linear rectifier. 2,641,695, June 9.

Lovell, Clarence A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system based on orthogonal functions. 2,658,189, Nov. 3.

Lovell, James K.: *See*—
Lilley, Harold S., and Lovell.

Lovell, Louis R., and J. E. West, Jr., assignors to SKF Industries, Inc., Philadelphia, Pa. One-piece roller bearing cage. 2,657,106, Oct. 27.

Lovell Manufacturing Company, assignee: *See*—
Kauffman, Walter L., II.

Lovell, Wheeler G., and N. E. Phillips, assignors to General Motors Corporation, Detroit, Mich. Apparatus for separating solid metallic particles from an electrolyte and compacting the same. 2,662,643, Dec. 15.

Lovens kemiske Fabrik ved A. Kongsted, assignee: *See*—
Tobiassen, Ole H.

Lovenston, Hans J., Detroit, Mich. Gauge unit. 2,661,539, Dec. 8.

Lovering, David W.: *See*—
James, Raymond W., and Lovering.

Lovett, Albert B.: *See*—
Garrison, John W., and Lovett.

Lovett, Gordon H., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Producing acrylonitrile. 2,649,472, Aug. 18.

Lovick, John B., assignor to Flitex Corporation, Los Angeles, Calif. Nap deflector and valve control for vacuum cleaner nozzles. 2,641,015, June 9.

Lovik, Carl H., Forest City, Iowa. Stand and holder for jacks. 2,646,957, July 28.

Lovin, James, Sacramento, Calif. Linoleum remover. 2,655,976, Oct. 20.

Loving, Frank A., Jr.: *See*—
Coursen, David L., and Loving.

Loving, Frank A., Jr., Wenonah, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Closure assembly for the discharge end of blasting devices. 2,636,437, Apr. 28.

Loving, William L., Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of furnace carbon black. 2,652,313, Sept. 15.

Lovington, Julius A., Rutherford, N. J. Valve with twistable sleeve. 2,657,004, Oct. 27.

Lovisek, Louis J., assignor to Parker-Kalon Corporation, New York, N. Y. Apparatus for making screw fasteners. 2,643,401, June 30.

Lovshin, Frank A.: *See*—
Dufourd, Andrew J., and Lovshin.

Low, Frank D., La Grange Park, Ill., assignor to General Electric Company. Mounting bracket for faucets and the like. 2,637,044, May 5.

Low, Frank D., La Grange Park, Ill., assignor to General Electric Company. Water impervious closure for washing apparatus. 2,655,165, Oct. 13.

Low, Sidney, Springfield, Mass. Metal alloy. 2,636,818, Apr. 28.

Lowe, Alfred B., and R. A. Lowe, Oak Harbor, Ohio. Crop harvesting equipment. 2,655,274, Oct. 13.

Lowe, Clarence A., Columbus, Ohio. Paving machine. 2,644,379, July 7.

Lowe, Clarence A., assignor to Ideal Sales Corporation, Columbus, Ohio. Pumping apparatus. 2,645,184, July 14.

Lowe, Earl L., Winchester, Ind. Improvement in blowhead. 2,627,702, Feb. 10.

Lowe, Earl W.: *See*—
Mueller, Frank H., and Lowe.

Lowe, Edward C.: *See*—
Bartlette, Daniel, and Lowe.

Lowe, Edward F., assignee: *See*—
Sanders, Walter F.

Lowe, Edwin C., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Articles of calcium-carbon boride. 2,647,061, July 28.

Lowe, George C., assignor to W. A. Son's Company, Worcester, Mass. Closure for processing tanks. 2,651,192, Sept. 8.

Lowe, Joe, Corporation, assignee: *See*—
Friedman, Aaron.
Roth, Ernest J.

Lowe, Lyall L., Sioux City, Iowa. Furnace firing door for entrapping and releasing escape gases. 2,641,209, June 9.

Lowe, Ralph H., Dayton, Ohio. Mechanism for use in stock feeding devices. 2,625,832, Jan. 20.

Lowe, Raymond A.: *See*—
Lowe, Alfred B., and R. A.

Lowe, Richard J., Centerville, Iowa. Pillow adjuster for automobile mechanic's creeper. 2,650,372, Sept. 1.

Lowe, Rudy, Cranston, R. I., assignor to Proportioneers, Inc. Apparatus for proportioning materials. 2,658,644, Nov. 10.

Lowe, Sahn K., Honolulu, Hawaii. Vest-pocket type calculator. 2,637,497, May 5.

Lowe, Theodore M., Detroit, Mich, assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure responsive feed control valve. 2,659,384, Nov. 17.

Lowe, Wallace K., Syracuse, assignor to Crucible Steel Company of America, New York, N. Y. Coil grinding equipment. 2,633,677, Apr. 7.

Lowe, Wesley G.: *See*—
Tarkington, Raife G., and Lowe.

Lowe, Wesley G., L. M. Minsk, and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing silver-halide dispersions. 2,632,704, Mar. 24.

Lowe, Wesley G., and M. E. Hamshire, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsions and solutions containing thioglycolic acid derivatives. 2,657,135, Oct. 27.

Lowe, William B., Springhaven, and H. E. Pape, Norwood, Pa., assignors to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,628,407, Feb. 17.

Lowe, William B., Springhaven, and H. E. Pape, Norwood, Pa., assignors to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,628,408, Feb. 17.

Lowe, William B., Springhaven, and H. E. Pape, Norwood, Pa., assignors to American Viscose Corporation, Wilmington, Del. Strand lacer for reels. 2,661,522, Dec. 8.

Lowe, William F., Beechhurst, N. Y. Netmaking and gauging tool. 2,641,155, June 9.

Lowe, William H.: *See*—
Cope, Lively O., and Lowe.

Lowell Counter Company, assignee: *See*—
Herlihy, William F.

Lowell Specialty Company, assignee: *See*—
Fletcher, Lynn L.
Fletcher, Lynn, and Dickison.

Lowenheim, Frederick A., Plainfield, N. J. Tarnish remover. 2,628,199, Feb. 10.

Lowenheim, Frederick A., Plainfield, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Electrolytic detinning. 2,655,473, Oct. 13.

Lowenthal, Herman, assignor to General Scientific Corporation, Chicago, Ill. Photographic objective of the triplet type. 2,645,157, July 14.

Lower, Fredrick A., Wichita Falls, Tex. Machine for clearing undergrowth from land. 2,648,358, Aug. 11.

Lower, Jack W., Minneapolis, Minn. Automatic frequency control system. 2,631,239, Mar. 10.

Lowey, Francis J.: *See*—
Wellman, Samuel K., and Lowey.

Lowey, Roy E., Jr.: *See*—
McCleary, Jason L., and Lowey.

Lowings, Ernest F., Romford, assignor to Roneo Limited, London, England. File for documents. 2,632,449, Mar. 24.

Lowitzsch, Kurt: *See*—
Hamacher, Edward A., and Lowitzsch.

Lowmaster, Frank L., assignor to The Mathews Company, Detroit, Mich. Display stand. 2,648,442, Aug. 11.

Lowrey, Aubrey, Shreveport, La. Power actuated adjustable tire demounting bar. 2,655,984, Oct. 20.

Lowrey, James P., Montgomery, Ala. Scaffold erecting ladder jack. 2,662,716, Dec. 15.

Lowry, Erwin F.: *See*—
Homer, Horace H., and Lowry.

Lowry, Jefferson R., Fort Worth, Tex. Fertilizer distributor. 2,643,031, June 23.

Lowry, Raymond G., Pontiac, Mich. Pin spotter for miniature bowling games. 2,626,154, Jan. 20.

Lowson, Murray H., Abadan, Iran, assignor to Anglo-Iranian Oil Company Limited, London, England. Method and apparatus for the detection of water. 2,624,782, Jan. 6.

Lowther, Mary T., and A. R. McKinstry, assignors of one-fourth to said Lowther, one-fourth to P. F. Hyer, and one-half to C. F. Brock, Brunswick, Ga. Detachable button. 2,637,082, May 5.

Lowthers, Frank J., Boston, Mass. Soap container and dispenser. 2,641,506, June 9.

Loxham, John, Letchworth, England, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Quickly releasable connecting device. 2,641,813, June 16.

Loy, Cyril W., and M. H. Mullis, York, S. C. Fluent material distributor. 2,655,406, Oct. 13.

Loy, Georg, assignor to J. S. Staedtler, Mars-Bleistiftfabrik, Nurnberg, Germany. Pencil lead. 2,645,582, July 14.

Loyd, Jack, assignor of one-half to A. S. Morningstar, Joplin, Mo. Offset cutting pliers. 2,660,786, Dec. 1.

Loyola University Foundation, assignee: *See*—
Clark, James R., Jr., and James.
Russell, Fred J.
Russell, Fred J., Dietrich, and Solovieff.

Loyot, Charles G.: *See*—
Loyot, Clara D. and C. G.

Loyot, Clara D. and C. G., Waterbury, Conn. Clothes hanger attachment. 2,629,575, Feb. 24.

Lozes, John P., Jr., New Orleans, La. Apparatus for locating cable faults. 2,650,345, Aug. 25.

Lu, Yen-Shen, New York, N. Y. Portable foldable shopping basket. 2,653,826, Sept. 29.

Lubahn, Jack D., Schenectady, N. Y., assignor to General Electric Company. Apparatus for making stress-strain tests. 2,659,232, Nov. 17.

Lubbert, Carl B., Annesile, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Transferring and stacking apparatus. 2,627,986, Feb. 10.

Lubbert, Carl B., Annesile, Md., and C. H. Trimble, Winston Salem, N. C., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for magazining articles. 2,661,866, Dec. 8.

Lubbock, Charles W., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Slide valve for regulating the flow of solids. 2,636,712, Apr. 28.

Lubbock Machine Company, Inc., The, assignee: *See*—
Roan, Floyd D.

Lubcke, Harry R., assignor to General Teleradio, Inc., Los Angeles, Calif. Television apparatus. 2,663,757, Dec. 22.

Lubcke, Harry R., Hollywood, and H. W. Jury, Burbank, assignors to Thomas S. Lee Enterprises, Inc., Los Angeles, Calif. Television equipment. 2,653,185, Sept. 22.

Lubenow, Lewis W., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Method of and apparatus for supplying steam to the interior of advancing molds. 2,661,496, Dec. 8.

Luberoff, Louis, Jenkintown, Pa. Method and apparatus for sound recording and reproducing. 2,627,555, Feb. 3.

Lubin, Earl O., and J. S. Stein, Chicago, Ill. Hair conditioning applicator. 2,642,070, June 16.

Lubin, Hyman A., trustee, assignee: *See*—
Solomon, Louis.

Lubin, Samuel, Pittsfield, J. F. Atkinson, Arlington, Va., and L. Podolsky, Pittsfield, assignors to Sprague Electric Company, North Adams, Mass. Fire alarm system. 2,636,164, Apr. 21.

Lubin, Sylvan M., Spokane, Wash. Novelty clock device. 2,639,577, May 26.

Lubrizol Corporation, The, assignee: *See*—
Craig, Willis G.
Prutton, Carl F.

Lubszynski, Hans G.: *See*—
McGee, James D., White, Lubszynski, Webley, and Huntley.

Lubszynski, Hans G., Northwood, assignor to Electric & Musical Industries Limited, Hayes, England. Circuit arrangement embodying electron discharge devices employing target electrodes. 2,645,740, July 14.

Lubszynski, Hans G., Northwood, and R. S. Webley, assignors to Electric & Musical Industries Limited, Hayes, England. Color television. 2,661,392, Dec. 1.

Luby, Henry N., and C. A. Wefing, Denver, Colo. Tool tray for vehicle bodies or the like. 2,639,068, May 19.

Lucarelli, Andrew L., Lancaster, Pa., assignor to Radio Corporation of America. Sealing apparatus. 2,654,181, Oct 6.

Lucas, Dr., & Co., assignee: *See*—
Gräbner, Willi.

Lucas, Guy L., W. D. Edwards, and R. S. Chaffin, assignors to Trail Lock Corporation, Akron, Ohio. Lock collar for trailer kingpins. 2,656,706, Oct. 27.

Lucas, Jack H., Stockton, Calif. Asphalt compacting machine. 2,659,281, Nov. 17.

Lucas, James H., and N. A. Talpey, York, Maine. Curb stop and drain. 2,645,452, July 14.

Lucas, Joseph, Limited, assignee: *See*—
Bonsall, William.
Clarke, John S.
Clarke, John S., and Huyton.
Collinson, Eric S.
Downing, Eric W.
Harris, Thomas A.
Huyton, Alfred.
Ifield, Richard J.
Laird, John A.
Lawrence, Owen N.
Lawrence, Owen N., Harris, and Fleming.
Prickett, Alfred D.
Righton, Joseph J.
Swift, William, and Coley.

Lucas, Joseph E., assignor of thirteen-twentieths to R. T. Wells, and one-twentieth to J. S. T. McDowell, Longview, Tex. Square hole drilling bit. 2,652,084, Sept. 15.

Lucas, Joseph J., assignor of one-half to J. A. Kappeler, Dayton, Ohio. Electrical switch. 2,660,629, Nov. 24.

Lucas, Pete F.: *See*—
Hurley, Leonard A., and Lucas.

Lucas, Philip: *See*—
Kwartler, Charles E., and Lucas.

Lucas, Walter C., Asheboro, N. C. Corner fastener for chairs. 2,651,355, Sept. 8.

Lucchesi, Adam, Bergenfield, N. J. Animal simulating attachment for bicycles. 2,643,133, June 23.

Luccous, John C.: *See*—
Otis, Herbert C., and Luccous.

Luce, Edward M.: *See*—
Ball, Charles F., and Luce.

Luce, Homer J., Chicago, Ill. Shingle. 2,658,461, Nov. 10.

Luchs, Morton G., New York, N. Y., assignor to J. W. Landenberger & Co., Philadelphia, Pa. One-piece fabric foot protector. 2,628,438, Feb. 17.

Luci, Warner S., Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Up-ending washer. 2,636,373, Apr. 28.

Lucia, Carroll J.: *See*—
Misch, Herbert L., and Lucia.

Lucia, Victor O., Teaneck, N. J., assignor to The Dentists' Supply Company of New York, New York, N. Y. High spot marker. 2,633,637, Apr. 7.

Lucien, René: *See*—
Levy, René L.

Lucius, George P., Drew, Miss. Cotton harvester. 2,651,160, Sept. 8.

Luck, David G. C., and L. L. Burns, Jr., Princeton, N. J., assignors to Radio Corporation of America. Synchronizing apparatus. 2,653,187, Sept. 22.

Luck, Lucille D., Lima, Pa., and G. K. Norby, assignors to Strato Equipment Company, Minneapolis, Minn. Combined sealing medium and cuff for an artificial respirator housing opening. 2,652,047, Sept. 15.

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Automobile jack. 2,630,295, Mar. 3.

Lucker, Millard B., assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Automobile jack. 2,630,296, Mar. 3.

Lucker, Millard B., assignor to Auto Specialties Manufacturing Co., St. Joseph, Mich. Lifting jack. 2,637,523, May 5.

Luckhardt, Johannes, Berlin-Dahlem, Germany, assignor to A. Lorenz, Buffalo, N. Y. Article of repose for supporting the body of a person. 2,660,225, Nov. 24.

Luckow, Joseph, assignee: *See*—
Masini, Joseph.

Luckring, Richard M.: *See*—
Lewis, Ernest D., and Luckring.

Lucy, Otto H., assignor, by mesne assignments, to H. R. Triplett, Whittier, Calif. Machine for making prefabricated steel structural members. 2,660,203, Nov. 24.

Luczko, Joseph, assignee: *See*—
Luczko, Thomas R.

Luczko, Thomas R., assignor of sixteen per cent to J. Luczko, sixteen per cent to C. Finch, and sixteen per cent to N. Finch, Johnstown, Pa. Brake fluid safety indicator. 2,661,410, Dec. 1.

Ludeman, Oscar H., New York, N. Y. Valve. 2,637,520, May 5.

Ludeman, Oscar H., New York, N. Y. Motor having hydraulically operated valve. 2,660,986, Dec. 1.

Ludewig, Maximilian, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Eyepiece for optical instruments. 2,637,245, May 5.

Ludgewait, Arthur E., Naugatuck, Conn. Button remover. 2,659,141, Nov. 17.

Ludlow, Edmund, assignor to Arvin Industries, Inc., Columbus, Ind. Radiator core construction. 2,647,731, Aug. 4.

Ludlow-Saylor Wire Co., assignee: *See*—
Harmon, James J., Jr.

Ludlow Valve Manufacturing Co., Inc., The, assignee: *See*—
Weinberg, Edwin A.

Ludowitz, George W., Los Angeles, Calif. Container bottom structure. 2,657,826, Nov. 3.

Ludt, Edward W., Verona, N. J., assignor to Combustion Engineering, Inc., New York, N. Y. Header integral with and sealed into boiler casing. 2,654,353, Oct. 6.

Ludvigsen, Elliot L.: *See*—
Backus, Thomas, and Ludvigsen.

Ludwig, Bernard J.: *See*—
Berger, Frank M., and Ludwig.

Ludwig, Leon R., Pittsburgh, Pa., T. C. Fockler, and W. H. Formhals, Buffalo, N. Y., and H. T. Walton, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Explosion-resistant motor. 2,644,099, June 30.

Ludwig, Merle R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Phase modulating apparatus. 2,629,060, Feb. 17.

Ludwig, Merle R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft instrument. 2,637,911, May 12.

Ludwig, Norman C.: *See*—
Boris, Matthew J., and Ludwig.

Ludwig, Walter D., Detroit, Mich. Valve. 2,638,122, May 12.

Luebbers, Herman E.: *See*—
Hanes, Roger A., and Luebbers.

Luebkert, Fred E., Brooklyn, assignor of one-half to M. E. Sparrow, New York, N. Y. Electric switch. 2,660,648, Nov. 24.

Luebkert, Fred E., Brooklyn, assignor of one-half to M. E. Sparrow, New York, N. Y. Electric switch. 2,660,649, Nov. 24.

Lueck, Laurence B., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Magnetic recording tape. 2,654,681, Oct. 6.

Lueders, Ervin J., Wauwatosa, Wis. Protective device for the eyes. 2,655,657, Oct. 20.

Luedicke, Alexander H., Jr.: *See*—
McCabe, John B., and Luedicke.

Luedtke, Harry E., Detroit, Mich. Reinforced wooden bowling pin. 2,629,596, Feb. 24.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feeding and registering mechanism. 2,638,342, May 12.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feeding and registering mechanism. 2,638,343, May 12.

Luenberger, Frederick O., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Thrust bearing. 2,633,392, Mar. 31.

Lueneburg, William A., Oakwood, Wis. Nail driving device. 2,657,382, Nov. 3.

Luers, John M., Mount Clemens, Mich. Cutting-off blade. 2,632,233, Mar. 24.

Lufkin Foundry and Machine Company, assignee: *See*—
Fincher, John L.

Lufkin Rule Company, The, assignee: *See*—
Clark, Joseph L.

Luft, Karl, Toulouse, assignor to "Office National d'Etudes et de Recherches Aeronautiques" (O. N. E. R. A.), Paris, France. Spectrophotometer. 2,654,287, Oct. 6.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Record controlled assembly jig. 2,637,096, May 5.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Optical record reading device. 2,641,714, June 9.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Keyboard. 2,642,226, June 16.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Accumulating control mechanism. 2,645,421, July 14.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Distributor and making the same. 2,649,513, Aug. 18.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Record sensing and data storage device. 2,651,461, Sept. 8.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Clutching mechanism. 2,658,599, Nov. 10.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Serial numbering machine. 2,661,896, Dec. 8.

Luhn, Hans P., Armonk, and R. L. Johnson, Wappingers Falls, assignors to International Business Machines Corporation, New York, N. Y. Record controlled printing apparatus. 2,645,323, July 14.

Luhn, Hans P., Armonk, and R. L. Johnson, Wappingers Falls, assignors to International Business Machines Corporation, New York, N. Y. Calculating machine. 2,651,457, Sept. 8.

Luhrs, Charles H., Teaneck, N. J. Wave guide termination. 2,635,145, Apr. 14.

Luhrs, Charles H., Teaneck, N. J., and W. J. Tull, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Microwave polarization rotating device and coupling network. 2,644,930, July 7.

Luipersbek, Frank, New York, N. Y. Flowerpot. 2,638,716, May 19.

Luisada, August G.: *See*—
Frieder, Leonard P., and Garber.

Luisada, August G., assignor to Advance Pattern Co., Inc., New York, N. Y. Device for collating tissue paper garment patterns from stacks. 2,644,687, July 7.

Luitwieler, Edward B., Malden, assignor to American Stay Company, East Boston, Mass. Reinforced leather stripping and making the same. 2,657,161, Oct. 27.

Lukacs, Joseph, Astoria, assignor, by mesne assignments, to Technicon Cardiograph Corporation, New York, N. Y. Electrocardiograph. 2,638,401, May 12.

Lukasavicz, Walter, San Francisco, Calif. Window ventilator. 2,624,402, Jan. 6.

Lukasiewicz, Sigmund J.: *See*—
Brooks, John W., and Lukasiewicz.

Lukasiewicz, Sigmund J., W. I. Denton, and C. J. Plank, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic hydration of olefins. 2,658,924, Nov. 10.

Lukasiewicz, Sigmund J., and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic hydration of olefins. 2,663,744, Dec. 22.

Luke, Albert R. J., assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Pickup baler. 2,647,355, Aug. 4.

Luke, Marvin B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electrical connector for resilient structures. 2,649,267, Aug. 18.

Luke, Oren V.: *See*—
Mitchell, Robert L., and Luke.

Lukens, Alan F.: *See*—
Kalikow, Irving, Hildebrand, and Lukens.

Lukens Steel Company, assignee: *See*—
Charlton, Edward J., and Edwards.
Williams, Leonard W.

Luketa, Frank J., Seattle, Wash. Lounge chair. 2,629,428, Feb. 24.

Luketa, Frank J., Seattle, Wash. Power unit for adjustable lounge chairs. 2,632,336, Mar. 24.

Luketa, Frank J., Seattle, Wash. Lounge chair. 2,655,199, Oct. 13.

Luksch, Andreas, and L. Hale, assignors to G. H. Tennant Company, Minneapolis, Minn. Machine for cutting, cleaning, grooving, and treating surfaces. 2,664,281, Dec. 29.

Lülling, Adalbert: *See*—
Lülling, Alfred and Adalbert.

Lülling, Alfred and Adalbert, assignors to F. W. Lülling G. m. b. H., Volmarstein an der Ruhr, Germany. Hasp. 2,644,710, July 7.

Lülling, F. W., G. m. b. H., assignee: *See*—
Lülling, Alfred and Adalbert.

Lull, Le Grand H., Minneapolis, Minn. Tilting mechanism for tractor loaders. 2,653,722, Sept. 29.

Lum, Funston G., Richmond, assignor to California Research Corporation, San Francisco, Calif. Long oil alkyd resins. 2,627,508, Feb. 3.

Lum, James, San Francisco, Calif. Manipulative mixer. 2,652,236, Sept. 15.

Lumbard, Edward B., assignor to L. A. Goodman Mfg. Company, Chicago, Ill. Bonding hollow plastic bodies. 2,632,724, Mar. 24.

Lumenite Electronic Company, assignee: *See*—
Calabrese, George V.

Lumetta, Lawrence C. and S. S., Detroit, Mich. Carpenter hand plane. 2,651,340, Sept. 8.

Lumetta, Samuel S.: *See*—
Lumetta, Lawrence C. and S. S.

Luminous Processes, Inc., assignee: *See*—
Fordyce, Rufus G.

Lumitype Corporation, assignee: *See*—
Murphy, Joseph F.

Lumly, Thomas M., Tulsa, Okla. Fluid heating apparatus. 2,625,918, Jan. 20.

Lummus Company, The, assignee: *See*—
Davis, Hyman R., and Montross.
Evans, George W., Jr.
Evans, George W., Jr., and Brockel.
Kniel, Ludwig.
Kohn, Harold B.
Kraft, Wheaton W.
Mekler, Valentine, Bogart, Schauble, and Palchik.
O'Connor, Ward J. F., and Rowen.
Reed, Carl S.
Rogers, John E.
Rollins, Jennings F.
Schutte, August H.
Worn, George A.
Worn, George A., and Rubin.

Lummus, James L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Water-in-oil emulsion drilling fluid. 2,661,334, Dec. 1.

Luna, Santiago M., Corona, Calif. Utensil for cooking tacos. 2,627,222, Feb. 3.

Lunas, Lawrence J.: *See*—
Young, Douglass A., Lunas, and Nycz.

Lunas, Lawrence J., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving-coil electrical measuring instrument. 2,637,762, May 5.

Lund, Alvin O., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,641,337, June 9.

Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Apparatus for assembling storage battery elements. 2,624,106, Jan. 6.

Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Automatic plate trimming machine. 2,625,223, Jan. 13.

Lund, Arthur D., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Clothes-washing machine. 2,647,387, Aug. 4.

Lund, Clinton O., assignor to Maun and Lund, Inc., Chicago, Ill. Making cake center frozen confections in twin molds. 2,642,820, June 23.

Lund, Erik F., Herning, Denmark. Circular knitting machine. 2,664,006, Dec. 29.

Lund, Frederik C. F. O., Princeton, N. J., assignor to Radio Corporation of America. Coupling of a helical conductor to a wave guide. 2,637,775, May 5.

Lund, Johan, assignor, by mesne assignments, to No-Sag Spring Company, Detroit, Mich. Bed-divan hinge. 2,627,613, Feb. 10.

Lund, Rudolph O., Peekskill, N. Y. Fire hose rack. 2,634,071, Apr. 7.

Lundahl, Walter N., Pikesville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray thickness gauge. 2,653,247, Sept. 22.

Lundal, Ingie J., and R. P. Robichaux, assignors to Cherry-Burrell Corporation, Chicago, Ill. Butter oil process. 2,626,217, Jan. 20.

Lundal, Ingie J., and R. P. Robichaux, assignors to Cherry-Burrell Corporation, Chicago, Ill. Butter and milk fat concentrate system. 2,630,059, Mar. 3.

Lundberg, Andrew T., Minneapolis, Minn. Pocket holster for fountain pens and the like. 2,654,130, Oct. 6.

Lundberg, Axel E., Sundsvall, Sweden. Smoothing saw blade. 2,644,494, July 7.

Lundberg Explorations Limited, assignee: *See*—
Lundberg, Hans T. F., and Zuschlag.

Lundberg, Hans T. F., Toronto, Ontario, Canada, and T. Zuschlag, West Englewood, N. J., assignors, by mesne assignments, to Lundberg Explorations Limited, Toronto, Ontario, Canada. Geophysical exploration. 2,636,924, Apr. 28.

Lundberg, John E.: *See*—
Ballard, Robert G., and Lundberg.

Lundberg, John E., Lynn, and H. G. Swanson, Belmont, Mass., assignors to General Electric Company. Balancing means for floated gyroscopes. 2,650,502, Sept. 1.

Lundberg, John E., Swampscott, and G. A. Wallace, Malden, Mass., assignors to General Electric Company. Electrical pick-off for gyroscopes. 2,662,411, Dec. 15.

Lundberg, Sven H., Lidingo, Sweden. Carrier for eyeglasses, dimmer-glasses, and the like. 2,639,429, May 26.

Lundberg, Walter O., Austin, assignor to Regents of the University of Minnesota, Minneapolis, Minn. Preparing peroxides of unsaturated fatty acids and the like. 2,636,890, Apr. 28.

Lundburg, Frank J., East Orange, and F. X. Bucher, Nutley, N. J., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Antenna assembly. 2,640,930, June 2.

Lunde, Einar O., Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y. Car buffer. 2,624,471, Jan. 6.

Lunde, Einar O., Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y. Control mechanism for pneumatically operated railway dump cars. 2,647,471, Aug. 4.

Lunde, Einar O., Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y. Dump car door control means. 2,647,472, Aug. 4.

Lunde, Einar O., Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y. Car roof hatch cover operating mechanism. 2,647,473, Aug. 4.

Lunde, Einar O., Wyckoff, N. J., assignor to Magor Car Corporation, New York, N. Y. Directional valve. 2,647,536, Aug. 4.

Lundeberg, Edgar C., Hartford, Conn. Actuating mechanism for impact machines. 2,641,941, June 16.

Lundeen, Carl V., Hollywood, Ill. Spray gun strainer. 2,641,365, June 9.

Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Turnover hanger for tongs. 2,624,550, Jan. 6.

Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Pipe spinning tong. 2,645,460, July 14.

Lundeen, Chester A., Los Angeles, assignor to Byron Jackson Co., Vernon, Calif. Spinning and make-up tong. 2,649,283, Aug. 18.

Lundeen, Chester A., assignor to Byron Jackson Co., Los Angeles, Calif. Pipe gripping mechanism for power tongs. 2,650,070, Aug. 25.

Lunden, A. E., assignee: *See*—
Cochrane, Stanley, and Carpenter.

Lundgren, Chester L., Bonaparte, Iowa. Spare tire mounting for automobiles. 2,643,041, June 23.

Lundgren, Gösta T., Nynashamn, Sweden. Retort type sectional high-frequency furnace. 2,661,386, Dec. 1.

Lundgren, Harold P., Berkeley, W. Fong, San Francisco, and A. S. Yelser, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Wool scouring process. 2,629,723, Feb. 24.

Lundgren, Harold P., Berkeley, and W. Fong, San Francisco, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Wool scouring with composition containing suint, alcohols, ketones, and inorganic electrolytes. 2,655,428, Oct. 13.

Lundgren, William E., Sharon, Mass. Dobby pattern chain cylinder. 2,627,879, Feb. 10.

Lundin, Albert: *See*—
Powers, Felix W., and Lundin.

Lundin, Carl G.: *See*—
Ekström, Karl H. R., and Lundin.

Lundkvist, Reinhold J., Malmo, assignor of one-half to G. B. Thyrén, Hohog, Sweden. Curtain supporting device. 2,654,486, Oct. 6.

Lundquist, Adolph Q., Grand Junction, Colo., assignor to Union Carbide and Carbon Corporation. Treatment of carnotite ore materials. 2,640,754, June 2.

Lundquist, Harold V.: *See*—
McIntyre, William O., and Lundquist.

Lundquist, Hialmer, Duluth, Minn. Battery terminal connector. 2,655,640, Oct. 13.

Lundquist, Lester E., Jr.: *See*—
Wood, William W., Jr., and Lundquist.

Lundquist, Richard C., assignor to Goodman Manufacturing Company, Chicago, Ill. Articulated conveyer for mining machines. 2,646,871, July 28.

Lundquist, Wilton G., Hohokus, N. J., assignor to Curtiss-Wright Corporation. Compound engine. 2,625,006, Jan. 13.

Lundquist, Wilton G., Hohokus, W. T. Stark, Pompton Lakes, and W. C. Schaffer, Fairlawn, N. J., assignors to Curtiss-Wright Corporation. Gas turbine power control. 2,638,992, May 19.

Lundqvist, Ragnar: *See*—
Gynt, Sven E., Poulsen, and Lundqvist.

Lundstrom, Alexis A.: *See*—
Darlington, Sidney, and Lundstrom.
Holbrook, Bernard D., and Lundstrom.
Holbrook, Bernard D., Lundstrom, and Malthaner.

Lundstrom, Alexis A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fuze setting order computer. 2,658,676, Nov. 10.

Lundstrom, Alexis A., East Orange, and W. A. Malthaner, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative tracking apparatus. 2,658,677, Nov. 10.

Lundstrom, Carl B., Little Falls, assignor to Lundstrom Laboratories, Inc., Herkimer, N. Y. Disappearing cabinet structure. 2,653,071, Sept. 22.

Lundstrom, Ernest A.: *See*—
Hodson, Peter, and Lundstrom.

Lungstrom, Henry, Lindsborg, Kans. Uniform tension maintaining device. 2,657,866, Nov. 3.

Lundstrom, Ida, assignee: *See*—
Haake, Fred C.

Lundstrom, Ida, St. Louis, Mo. Cigarette stub and ash receptacle. 2,638,240, May 12.

Lundstrom, Ida, St. Louis, Mo. Curtain rod bracket. 2,643,846, June 30.

Lundstrom, Ida, St. Louis, Mo. Cord locking means. 2,645,284, July 14.

Lundstrom, Ida, St. Louis, Mo. Curtain rod bracket carrier. 2,650,053, Aug. 25.

Lundstrom, Ida, St. Louis, Mo. Draper shade and curtain hardware. 2,650,715, Sept. 1.

Lundstrom, Ida, St. Louis, Mo. Curtain fixture. 2,656,934, Oct. 27.

Lundstrom Laboratories, Inc., assignee: *See*—
Lundstrom, Carl B.

Lundstrum, Allan W., Anderson, Ind. Wall mounted fuel burning space heater. 2,632,435, Mar. 24.

Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Company, Chicago, Ill. Drain spout for refrigerator cars. 2,624,419, Jan. 6.

Lundy, Alvin S.: *See*—
Schnelble, Claude B., and Lundy.

Luneburg, Rudolf K.: *See*—
Osterberg, Harold, Mueller, and Luneburg.

Lung, Kenneth R., assignor to Flint & Walling Manufacturing Company, Incorporated, Kendallville, Ind. Pumping apparatus. 2,657,641, Nov. 3.

Lunkenheimer Company, The, assignee: *See*—
Fantz, Fred C.
Hehemann, Frederick H.

Lunsford, Charles L.: *See*—
Cardwell, Paul H., and Lunsford.

Luoma, Verner, Eveleth, Minn. Sod cutting attachment for garden tractors. 2,646,740, July 28.

Lupo, Frank J., Hackensack, assignor to Chatham Electronics Corporation, Newark, N. J. Voltage regulator. 2,625,675, Jan. 13.

Luppold, George E., Jr., Los Angeles, Calif., and J. F. Shannon, Euclid, Ohio, assignors to Bailey Meter Company. Fluid relay mechanism. 2,658,516, Nov. 10.

Lupton, Elmer H., Baltimore, Md., assignor to The Sinclair-Scott Company of Baltimore City. Changeable sieve huller. 2,633,852, Apr. 7.

Lura, Lorem E., Chicago, Ill., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Power transmitting mechanism. 2,648,229, Aug. 11.

Lurie, Benjamin L., Chicago, Ill. Pipe wrench having arm with a recess therein and a pivotally mounted spring-biased pipe-engaging jaw in the recess. 2,633,045, Mar. 31.

Luscalzo, Benjamin, assignee: *See*—
Wertepny, Alexander and R. J.

Lush, Morley J., assignor to Rawson Electrical Instrument Company, Cambridge, Mass. Gaussmeter. 2,652,533, Sept. 15.

Lusht, Julius: *See*—
Rutbell, Clarence C., and Lusht.

Lusick, Stephen, assignee: *See*—
Ciccone, Nino.

Lusignan, Joseph T., Jr., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve control mechanism. 2,651,325, Sept. 8.

Luskin, Leo S., assignor to Rohm & Haas Company, Philadelphia, Pa. Synthesis of alkylene cyanohydrins. 2,653,162, Sept. 22.

Lussier, Armand H., Montreal, Quebec, Canada. Rolling armchair. 2,627,895, Feb. 10.

Lustig, Hans G.: *See*—
Roughsedge, Robert H., and Lustig.

Lustur Seal Corporation, assignee: *See*—
Wiley, Darrell R.

Lustwerk, Ferdinand: *See*—
Neumann, Ernest P., and Lustwerk.

Lute, Carl, Hammond, Ind., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Stop and automatic latch for sliding car doors. 2,632,665, Mar. 24.

Luterick, Marcellus C., Montrose, assignor to Arden Forms Co., Los Angeles, Calif. Valve structure for semisolid products. 2,629,577, Feb. 24.

Luther, Paul E., Oakland, assignor, by mesne assignments, to Fruit Machinery Company, Berkeley, Calif. Fruit pitting mechanism. 2,629,416, Feb. 24.

Luther, William F., assignor to Dixie Mercerizing Company, Chattanooga, Tenn. Mercerization. 2,647,037, July 28.

Lutherer, Otto, Chagrin Falls, assignor to The North American Manufacturing Co., Cleveland, Ohio. Safety shutoff valve. 2,630,832, Mar. 10.

Luthi, Alfred, Philadelphia, Pa. Disk or ring projector. 2,662,518, Dec. 15.

Lutsey, Thomas H.: *See*—
Daanen, Sylvester J., and Lutsey.

Lutters, Paul R.: *See*—
Robinson, Norman, and Lutters.

Lüttgens, Werner, administrator: *See*—
Mussgüller, Johann F. W.

Luttman, Horace C., Etobicoke Township, York County, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Antiicing of compressors of aircraft gas turbine engines. 2,655,308, Oct. 13.

Luttringhaus, Hans, Chatham, H. R. Mautner, Cliffside Park, N. J., and A. A. Arcus, Bellerose, N. Y. Dyeing of polyester fibers with acid leuco vat dyes. 2,627,449, Feb. 3.

Lutyens, John L., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Marking machine. 2,660,116, Nov. 24.

Lutz, Carrie G., assignee: *See*—
Lutz, Donald C.

Lutz, Carroll T.: *See*—
Bashor, Harold T., and Lutz.

Lutz, Donald C., assignor of one-half to C. G. Lutz, Hollywood, Calif. Steel square calculator. 2,654,158, Oct. 6.

Lützelschwab, Ernst, Basel, Switzerland. Collapsible trunk. 2,647,594, Aug. 4.

Luvisi, George W., assignor to National Aluminate Corporation, Chicago, Ill. Carbocyclic monocarboxylic acid salts of glyoxalidines. 2,659,731, Nov. 17.

Luxema S. A., assignee: *See*—
Ledrut, Jules H. T.

Luxene, Inc., assignee: *See*—
Galley, Andrew H.

Luzzatto, Bruno B. A., Washington, D. C. Process and apparatus for the electrolytic production of materials. 2,631,972, Mar. 17.

Lyall, John D., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Bale breaker. 2,636,220, Aug. 28.

Lybarger, Samuel F., Cannonsburg, assignor, by mesne assignments, to E. A. Myers & Sons, Inc., Mount Lebanon, Pittsburgh, Pa. Wearable hearing aid with inductive pickup for telephone reception. 2,656,421, Oct. 20.

Lycan, Charles L., Decatur, Ill. Paint spraying nozzle. 2,647,801, Aug. 4.

Lyden, Frank J., Milwaukee, Wis. Multiple oiler. 2,646,856, July 28.

Lydfors, John, Stockholm, assignor to Aktiebolaget Dixma, Malmo, Sweden. Engageable and releasable axle clutch. 2,654,455, Oct. 6.

Lydle, John E., assignor to The Ken-Tool Manufacturing Company, Akron, Ohio. Socket wrench having swiveled grip sleeve. 2,644,359, July 7.

Lyerly, Grover B., Jonesboro, Ill. Tractor mounted seeder and fertilizer. 2,638,350, May 12.

Lyerly, Ray L., and S. Holm, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Tab strip fin for heat exchanger cores. 2,656,160, Oct. 20.

Lyeso, George, Wendel, W. Va. Combined smoking device and flashlight. 2,646,051, July 21.

Lyle, John P., Jr., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Plastic alloy which sets at room temperature. 2,629,656, Feb. 24.

Lyle, Lewis J., Newton, Miss. Key type can opener and tear strip extractor. 2,649,990, Aug. 25.

Lyman, Homer F., Nutley, N. J. Dishwashing machine and activating means therefor. 2,655,163, Oct. 13.

Lyman, Homer F., Nutley, N. J. Dishwashing apparatus. 2,655,164, Oct. 13.

Lyman, Joseph, Huntington, R. E. Barnaby, Hempstead, and R. Proskauer, Westbury, N. Y., assignors to The Sperry Corporation. Angular velocity responsive apparatus. 2,627,400, Feb. 3.

Lyman, Joseph, and G. B. Litchford, Huntington, N. Y., assignors to The Sperry Corporation. Craft position plotting system. 2,637,024, Apr. 28.

Lyman, Joseph, Huntington, and G. B. Litchford, Cold Spring Harbor, N. Y., assignors to The Sperry Corporation. Radio aid to navigation. 2,664,560, Dec. 29.

Lymean Manufacturing Co., Inc., assignee: *See*—
Lime, Ermal J.

Lynam, John E., Mapperley, Nottingham, assignor to William Cotton Limited, Loughborough, Leicestershire, England. Knitting and other textile machine. 2,655,801, Oct. 20.

Lynch Brothers, Inc., assignee: *See*—
Lynch, Walter T.

Lynch, Charles S.: *See*—
Corner, Eugene S., and Lynch.

Lynch, Charles S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Terpolymers of sulfur dioxide, monoolefinic materials and a liquid polymer of a conjugated diene, and their production. 2,625,525, Jan. 13.

Lynch, Charles S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Decomposition of urea and thiourea adducts. 2,640,051, May 26.

Lynch Corporation, assignee: *See*—
Coon, Harold R., Sr., and Rapp.
Rapp, Earl J.
Sandberg, Oscar.
Taggart, Robert E.

Lynch, Edward E.: *See*—
Hyer, Donald R., and Lynch.

Lynch, Edward E., Wakefield, and B. D. Leete, Nahant, Mass., assignors to General Electric Company. Frequency-type telemeter receiver. 2,629,008, Feb. 17.

Lynch, George E., Los Angeles, Calif. Gas cleaning apparatus. 2,653,675, Sept. 29.

Lynch, James F., Los Angeles, Calif., assignor to United States Rubber Company, New York, N. Y. Snap fastener. 2,651,093, Sept. 8.

Lynch, Lawrence, Los Angeles, Calif. Rotary abrading strip holder. 2,654,192, Oct. 6.

Lynch, Leslie, Bell, Calif., assignor of twenty-one percent to R. E. Bletcher, three percent to P. Bletcher, sixteen percent to H. E. Skinner, twenty-two and one-half percent to W. G. Porter, and seven and one-half percent to I. A. Ward. Direct current amplifier. 2,646,515, July 21.

Lynch, Leslie S.: *See*—
Corradini, Robert E., Lynch, Bonomi, and Engel.

Lynch, Omer E., Jonesboro, assignor of fifty per cent to D. S. Keller, Otwell, Ark. Two-way adjustable screen. 2,624,405, Jan. 6.

Lynch, Ridgeway T.: *See*—
Griset, Ernest J., Jr., and Lynch.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recording and reproducing. 2,645,682, July 14.

Lynch, Walter T., Collinsville, assignor to Lynch Brothers, Inc., Pine Meadow, Conn. Gas pilot lighter. 2,642,084, June 16.

Lynd, Langtry E.: *See*—
Merker, Leon, and Lynd.

Lynden, Charles P., Detroit, Mich. Painting and decorating. 2,651,871, Sept. 15.

Lynes, Inc., assignee: *See*—
Lynes, John.
Lynes, John, Allen, and Gardner.

Lynes, John, Houston, Tex., assignor to Lynes, Inc. Well formation tool. 2,630,864, Mar. 10.

Lynes, John, Houston, Tex., assignor to Lynes, Inc. Oil well tool. 2,643,723, June 30.

Lynes, John, G. H. Allen, and J. D. Gardner, assignors to Lynes, Inc., Houston, Tex. Hydraulically inflatable packer. 2,643,722, June 30.

Lynn, Anthony P., River Grove, Ill. Lipstick container. 2,630,215, Mar. 3.

Lynn, Irvin, assignee: *See*—
Malnick, Mauray G.

Lynn, Lawrence B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inertia controlled pilot apparatus. 2,632,455, Mar. 24.

Lynn, Ralph D., Tulsa, Okla., assignor to Standard Oil Development Company. Magnetic well logging apparatus. 2,664,542, Dec. 29.

Lynxwiler, Thomas L. D., Ingleside, assignor to Mills Industries, Incorporated, Chicago, Ill. Door latch. 2,655,027, Oct. 13.

Lyon, Clifford T., Chicago, Ill. Equipment for the preparation and storage of food. 2,627,445, Feb. 3.

Lyon, Floyd A.: *See*—
Halahan, John, Aronson, and Lyon.

Lyon, Floyd A., Elmhurst, N. Y., assignor to The Sperry Corporation. Vector sight. 2,642,662, June 23.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,629,635, Feb. 24.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,626, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,627, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,628, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,629, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,630, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,631, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,632, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel structure. 2,624,633, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,634, Jan. 6

Lyon, George A., Detroit, Mich. Wheel structure. 2,624,636, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel trim assembly. 2,624,637, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,638, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,639, Jan. 6.

Lyon, George A., Detroit, Mich. Wheel cover. 2,624,640, Jan. 6.

Lyon, George A., Detroit, Mich. Ornamental wheel cover. 2,625,440, Jan. 13.

Lyon, George A., Detroit, Mich. Wheel cover. 2,626,838, Jan. 27.

Lyon, George A., Detroit, Mich. Buffing wheel. 2,627,146, Feb. 3.

Lyon, George A., Detroit, Mich. Top shield for automobiles. 2,628,123, Feb. 10.

Lyon, George A., Detroit, Mich. Buffing wheel and making the same. 2,629,212, Feb. 24.

Lyon, George A., Detroit, Mich. Wheel cover. 2,629,636, Feb. 24.

Lyon, George A., Detroit, Mich. Ornamental insert for wheel structure. 2,629,957, Mar. 3.

Lyon, George A., Detroit, Mich. Wheel cover. 2,631,896, Mar. 17.

Lyon, George A., Detroit, Mich. Plastic helmet. 2,632,173, Mar. 24.

Lyon, George A., Detroit, Mich. Plastic helmet. 2,632,174, Mar. 24.

Lyon, George A., Detroit, Mich. Wheel cover. 2,636,784, Apr. 28.

Lyon, George A., Detroit, Mich. Wheel cover. 2,640,730, June 2.
Lyon, George A., Detroit, Mich. Top shield for automobiles. 2,643,910, June 30.
Lyon, George A., Detroit, Mich. Top shield for vehicles. 2,643,911, June 30.
Lyon, George A., Detroit, Mich. Top shield for vehicles. 2,643,912, June 30.
Lyon, George A., Detroit, Mich. Automobile roof construction. 2,643,913, June 30.
Lyon, George A., Detroit, Mich. Surface-treating wheel. 2,648,178, Aug. 11.
Lyon, George A., Detroit, Mich. Wheel structure and balancing same. 2,650,133, Aug. 25.
Lyon, George A., Detroit, Mich. Wheel cover. 2,650,134, Aug. 25.
Lyon, George A., Detroit, Mich. Wheel cover. 2,650,135, Aug. 25.
Lyon, George A., Detroit, Mich. Wheel cover. 2,650,862, Sept. 1.
Lyon, George A., Detroit, Mich. Wheel cover. 2,651,548, Sept. 8.
Lyon, George A., Detroit, Mich. Wheel structure. 2,652,286, Sept. 15.
Lyon, George A., Detroit, Mich. Wheel structure. 2,652,287, Sept. 15.
Lyon, George A., Detroit, Mich. Wheel cover. 2,654,637, Oct. 6.
Lyon, George A., Detroit, Mich. Brake drum air cooling device. 2,659,459, Nov. 17.
Lyon, George A., Detroit, Mich. Brake drum air cooling device. 2,659,460, Nov. 17.
Lyon, George A., Detroit, Mich. Wheel structure. 2,660,478, Nov. 24.
Lyon, George A., Detroit, Mich. Wheel cover. 2,660,479, Nov. 24.
Lyon, George A., Detroit, Mich. Wheel cover. 2,660,480, Nov. 24.
Lyon, George A., Detroit, Mich. Apparatus for making wheel covers. 2,662,499, Dec. 15.
Lyon, George A., Detroit, Mich. Ash tray. 2,662,532, Dec. 15.
Lyon, George A., Detroit, Mich. Plastic helmet. 2,663,874, Dec. 29.
Lyon, George A., Detroit, Mich. Wheel cover. 2,664,318, Dec. 29.
Lyon, George A., Jr., Detroit, Mich. Wheel cover. 2,624,635, Jan. 6.
Lyon, Gilbert T., Van Dyke, Mich. Hose clamp fitting connection. 2,661,225, Dec. 1.
Lyon, Harold W., Hagerstown, Md. Mileage indicator for automotive vehicles. 2,634,914, Apr. 14.
Lyon, Incorporated, assignee: *See*—
Goldberg, Samuel.
Judd, John S.
Lyon, John K., Pasadena, Calif. Loading and cocking mechanism for target traps. 2,626,596, Jan. 27.
Lyon, Luther L., Jr.: *See*—
Hyatt, Edwin, Lyon, and Swanson.
Lyon Metal Products, Incorporated, assignee: *See*—
Knuth, Harvey G.
O'Connor, John B.
Lyon, Omega K., Atlanta, Ga., assignor, by mesne assignments, to Gates Manufacturing Corporation. Oil recovery stand. 2,643,030, June 23.
Lyon, Walter E.: *See*—
Eller, Joseph C., and Lyon.
Lyon, William B., Grand Rapids, Mich. Conveying mechanism. 2,659,647, Nov. 17.
Lyon, William B., Grand Rapids, and J. A. Gavagan, Van Dyke, Mich., said Gavagan assignor to said Lyon. Storage and display unit. 2,636,799, Apr. 28.
Lyon, William D.: *See*—
Tauscher, Vernon A., Mullins, Jackson, and Lyon.
Lyon, William L., South Norwalk, Conn. Pressure responsive cutoff valve. 2,658,521, Nov. 10.
Lyons, Albert E., Midland Park, N. J., assignor to Curtiss-Wright Corporation. Inspection gauge. 2,657,468, Nov. 3.
Lyons, Cornelius J.: *See*—
Clark, Carleton L., Vicario, Lyons, Smith, and Hickey.
Lyons, Francis J.: *See*—
Warner, Hiram H., and Lyons.
Lyons, George W., North Guilford, Conn. Hinge structure. 2,626,421, Jan. 27.
Lyons, Hughie C., Hyden, Ky. Feeder conveyer actuator. 2,627,337, Feb. 3.
Lyons, Ivor A., Los Angeles, Calif. Incinerator with raking arm. 2,660,966, Dec. 1.
Lyons, J., & Company Limited, assignee: *See*—
Sutherland, Howell.
Lyons, Leonadus R., Billings, Mont. Try-on garment hanger. 2,637,472, May 5.
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., South Walpole, Mass. Centrifuge for rapid extraction of fine particles from suspensions. 2,625,320, Jan. 13.
Lyons, Walter, Flushing, N. Y., assignor to Radio Corporation of America. Selective circuit. 2,653,194, Sept. 22.
Lysaght, John P., Milwaukee, Wis. Knockdown picnic table and bench assembly. 2,661,792, Dec. 8.
Lyth, John J., Valleyfield, Quebec, Canada. Pump. 2,651,997, Sept. 15.
Lytle, Chester W., Chicago, Ill., assignor, by mesne assignments, to Lytle Engineering & Mfg. Co. Tuner for radio receivers and the like. 2,644,141, June 30.
Lytle, Donald B.: *See*—
Messinger, William, and Lytle.
Lytle, Elvin D., assignor to The Garrett Corporation, Los Angeles, Calif. Electric-hydraulic power unit. 2,625,660, Jan. 13.
Lytle Engineering & Mfg. Co., assignee: *See*—
Lytle, Chester W.
Lytle, Melba L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preventing corrosion of ferrous metals. 2,659,693, Nov. 17.
Lytle, Orville C., Kittanning, Pa., assignor, by mesne assignments, to Original Enderes Company, Guttenberg, Iowa. Pickup baler. 2,633,691, Apr. 7.
Lytle, William C., Brandywine Hundred, assignor to Atlas Powder Company, Wilmington, Del. Improving the water-resistance of ammonium nitrate explosives. 2,630,379, Mar. 3.
Lytle, William O., New Kensington, Pa., assignor to Pittsburgh Plate Glass Company. Electroconductive article. 2,624,823, Jan. 6.
Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Transparent conducting films. 2,648,753, Aug. 11.
Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Electroconductive article. 2,648,754, Aug. 11.
Lytle, William O., and A. E. Junge, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company. Production of electroconductive articles. 2,651,585, Sept. 8.
Lyttaker, Ernest V., North Puyallup, Wash. Receptacle base and cover operating mechanism. 2,663,529, Dec. 22.
Lyttle, Douglas A.: *See*—
Hogg, John A., Lyttle, and Nathan.
Weisblat, David I., and Lyttle.
Lytton, Kenneth G., Charlotte, N. C. Blending hopper. 2,645,820, July 21.
Lytton, Marion R., West Chester, Pa., assignor, by mesne assignments, to The Chemstrand Corporation, Decatur, Ala. Solutions of polymeric materials comprising at least 80 percent of polymerized acrylonitrile. 2,654,721, Oct. 6.
Lytton, Marion R., West Chester, Pa., assignor, by mesne assignments, to The Chemstrand Coropration, Decatur, Ala. Copolymers of butene-1 derivatives. 2,656,338, Oct. 20.
M B G Corporation, assignee: *See*—
Mitchell, Wallace F.
MB Manufacturing Company, Inc., The, assignee: *See*—
Willson, Abner R., and Nelson.
M and B Metal Products Company, assignee: *See*—
Brekle, Oliver R.
M. H. Treadwell Company, Inc., assignee: *See*—
Ryan, Rhys E., and McNamara.
M & J Engineering Co., assignee: *See*—
Bryant, Austin U.
M & M Manufacturing Corporation, assignee: *See*—
Gumpertz, Donald G., and Alexander.
M and M Wood Working Company, assignee: *See*—
Bennett, Elbert V., and Renn.
Renn, Harrell.
Thompson, Walter S., and Renn.
M-O Valve Company Limited, The, assignee: *See*—
Bell, James.
M. P. H. Industries, assignee: *See*—
Marihart, Leo A.
M & R Dietetic Laboratories, Inc., assignee: *See*—
Otting, Herbert E., and Ortman.
M & W Company, Inc., assignee: *See*—
Amo, Ivan J.
M. & W. Patents Limited, assignee: *See*—
Miller, Albert A.
Maag Zahnräder und-Maschinen, A. G., assignee: *See*—
Aeppli, Albert.
Bühler, Hermann.
Maas, Louis A., Glendale, assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Chime clock control mechanism. 2,641,897, June 16.
Maas-Rowe Electromusic Corporation, assignee: *See*—
Maas, Louis A.
Maas, Russell B., Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind. Packing and end thrust unit for conveyers. 2,643,164, June 23.
Maas, Theodore J., Detroit, Mich., assignor, by mesne assignments, to The Thew Shovel Company, Lorain, Ohio. Loading and unloading apparatus. 2,646,182, July 21.
Maass, Otto: *See*—
Ross, James H., Hart, Strapp, and Maass.
Maass, Robert H.: *See*—
Brown, Herbert F., and Maass.
Mabe, Howard: *See*—
Davis, Bruce E., and Mabe.
Mabrey, Nelson L., Buffalo, N. Y. Conveyer transfer apparatus. 2,628,702, Feb. 17.
Mabry, Curtis D., Jr.: *See*—
Kahn, Samuel, and Mabry.

Mabry, Forrest S., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency generator. 2,648,006, Aug. 4.
Macallum, Ernest N.: *See*—
Delmar, Geza S., and Macallum.
Macan, Albert L., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Bell ringing apparatus. 2,647,487, Aug. 4.
MacArthur, Thomas F., Troy, assignor to Ramsey Chain Company, Inc., Albany, N. Y. Silent chain. 2,653,485, Sept. 29.
Macaulay, William R., and J. E. Coolidge, Waterbury, Conn., assignors to The American Brass Company. Apparatus for rolling sheet metal. 2,660,077, Nov. 24.
MacBain, Donald K., Long Beach, assignor to Dr. P. A. Dewhirst, Los Angeles, Calif. Valve. 2,640,491, June 2.
Macbeth Arc Lamp Co., assignee: *See*—
Eachus, Iredell, Jr.
MacBlane, James, and R. N. Paterson, Horseheads, assignors, by mesne assignments, to The Nylok Corporation, New York, N. Y. Machine for making friction grip nuts. 2,643,403, June 30.
MacBride, Herbert L., Fort Washington, Pa. Weighing device. 2,657,921, Nov. 3.
Maccaferri, Mario, Rye, N. Y. Reed tester. 2,649,708, Aug. 25.
Maccaferri, Mario, Rye, assignor to French American Reeds Manufacturing Co., Inc., New York, N. Y. Sounding board for stringed musical instruments. 2,649,827, Aug. 25.
Maccaferri, Mario, Rye, N. Y. Fretted finger board for stringed musical instruments and making the same. 2,649,828, Aug. 25.
Maccaferri, Mario, Rye, assignor to French American Reeds Manufacturing Co., Inc., New York, N. Y. Nut for stringed musical instruments. 2,664,022, Dec. 29.
MacCallum, Alan M.: *See*—
Noxon, Paul A., MacCallum, and Murphy.
Owen, John C., and MacCallum.
Perkins, Corles M., and MacCallum.
MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic steering system. 2,642,554, June 16.
MacCallum, Alan M., Plainfield, and C. Russell, Englewood Cliffs, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic pilot for mobile craft. 2,643,354, June 23.
MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Container. 2,625,317, Jan. 13.
MacClaren, Robert H.: *See*—
Richter, George A., and MacClaren.
Macco Oil Tool Company, assignee: *See*—
Carlisle, Willis C.
Carlisle, Willis C., and McCarvell.
MacCracken, Calvin D., Tenafly, assignor to Jet-Heet, Inc., Englewood, N. J. Cleaning deposits of soot and the like from passages. 2,627,149, Feb. 3.
MacCreadie, William T., Lewisburg, Pa. Wire rope-making machine. 2,633,692, Apr. 7.
MacCready, Robert H., assignee: *See*—
Wisner, William L.
MacDonald, Albert J., assignee: *See*—
Pardoe, Norman H.
MacDonald, Angus S., near Rapidan, Va., assignor to The Globe-Wernicke Co. Carrel unit. 2,637,616, May 5.
MacDonald, Angus S., near Rapidan, Va., assignor to The Globe-Wernicke Co. Metal plank. 2,644,552, July 7.
MacDonald, Angus S., near Rapidan, Va., assignor to The Globe-Wernicke Co. Compacted bookstack. 2,645,356, July 14.
MacDonald, Bernard, New Glasgow, Nova Scotia. Protector valve. 2,660,189, Nov. 24.
MacDonald, Donald A., Houston, Tex. Fluid lift pumping equipment. 2,650,574, Sept. 1.
MacDonald, Duncan N., Arcadia, Calif., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Graphic recorder. 2,659,650, Nov. 17.
MacDonald, Duncan N., Evanston, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Multiline telephone substation instrument and circuits. 2,644,042, June 30.
Macdonald, Eric: *See*—
Ganguin, Karl O., Haddock, and Macdonald.
MacDonald, George A., San Dimas, Calif. Angularly adjustable work-supported guide for portable power saws. 2,661,043, Dec. 1.
MacDonald, Gilmour C., Ames, Iowa. Rocket igniter. 2,627,160, Feb. 3.
Macdonald, Herbert G., assignor to Amco Development Company, Monrovia, Calif. Flooring. 2,653,358, Sept. 29.
MacDonald, James W.: *See*—
Horne, Donald S., and MacDonald.
Macdonald, John R., Fort Dodge, Iowa. Livestock pen layout. 2,638,870, May 19.
MacDonald, Karl, Wellsville, N. Y., assignor to Worthington Corporation, Harrison, N. J. Governor steam control and emergency valve for steam turbines. 2,633,857, Apr. 7.
MacDonald, Mortimer D., Corvallis, Oreg., assignor to State of Oregon, acting by and through the Oregon State Board of Forestry. Making composite, consolidated products and apparatus therefor. 2,658,847, Nov. 10.
MacDonald, Paul, Lake Forest, assignor to Se... and Co., Chicago, Ill. Roofing shingle. Oct. 20.
MacDonald, Raymore D., La Grange, assign... Products Corporation, Chicago, Ill. Power ... veyer type loader. 2,639,022, May 19.
MacDonald, Richard A.: *See*—
Mann, Ralph C., and MacDonald.
MacDonald, Robert, Rochester, Mich. Mes... filling device. 2,653,746, Sept. 29.
MacDonald, Robert N.: *See*—
Brubaker, Merlin M., and MacDonald.
MacDonald, Robert N., New Castle, assignor ... Pont de Nemours and Company, Wilmi... Polymers. 2,650,214, Aug. 25.
MacDonald, Robert N., New Castle, assignor ... Pont de Nemours and Company, Wilmington ... aration of N-carboanhydrides of alpha a... 2,662,084, Dec. 8.
MacDonald, Robert N., New Castle, and C. ... assignors to E. I. du Pont de Nemours ... Wilmington, Del. N-carboanhydrides and ... 2,630,423, Mar. 3.
MacDonald, Robert W., Riverside, Calif. M... cooling system. 2,635,435, Apr. 21.
Macdonough, Edward E., Jr.: *See*—
Goett, Edward J., Macdonough, and Saliv...
MacDonough, John V., Watertown, Mass. Cl... stabilizing beer. 2,658,829, Nov. 10.
MacDougall, Charles B., assignor to Nemco ... Seattle, Wash. Hinged flush lamp box c... means to prevent light emission at its edges. Mar. 3.
MacDougall, Franklin M.: *See*—
Rose, Howard E., MacDougall, and Schoen...
MacDougall, Kirkland B., Benton, assignor to ... ley, Pittston, Pa. Slack adjusting ... 2,631,472, Mar. 17.
MacDougall, Kirkland B., Benton, Pa. Auto... adjusting mechanism. 2,648,996, Aug. 18.
MacDowell, John R., Worthington, Ohio. R... let for warm air house-heating systems. Dec. 22.
Macek, Thomas J., Irvington, assignor to M... Inc., Rahway, N. J. Production of quinin... 2,650,217, Aug. 25.
Macek, Thomas J., Irvington, and E. J. Hanu... assignors to Merck & Co., Inc., Rahway, N. ... and autoclave-stable concentrated dihydros... solution. 2,657,171, Oct. 27.
Macewka, John, Royal Oak, Mich. Hydraul... ated press. 2,642,138, June 16.
Macey, Keith S., Parma Heights, assignor to M... facturing Company, Cleveland, Ohio. Pi... 2,639,917, May 26.
Macey Manufacturing Company, assignee: *See*—
Macey, Keith S.
MacFadyen, Kenneth W., Avenel, and N. E. Ja... N. J., assignors to Food Machinery and Ch... poration, Wilmington, Del. Production o... peroxide. 2,661,268, Dec. 1.
MacFarland, Allison M., Cleveland, assignor ... Dry Batteries, Inc., Lakewood, Ohio. Dry ... 2,626,295, Jan. 20.
MacFarland, Laurens W., assignor to Jackson ... ration, Long Island City, N. Y. Machine fo... facture of buffs and similar articles. 2,650,8...
Macgeorge, William D., Collegeville, assignor to ... Temperature Control Co., Inc., Philadelphia ... ferential transformer. 2,640,967, June 2.
Macgeorge, William D., Collegeville, assignor to ... Temperature Control Co., Inc., Philadelphia, ... millivoltage signal from an A. C. actuated ... transformer. 2,640,971, June 2.
Macgeorge, William D., Collegeville, and C. ... Jr., assignors to Automatic Temperature C... Inc., Philadelphia, Pa. Electrically control... reflecting mirror device. 2,638,035, May 12.
Macgeorge, William D., Collegeville, and C. ... signors to Automatic Temperature Contro... Philadelphia, Pa. Control circuit for rever... motors. 2,640,957, June 2.
MacGinnis, Gerald M., San Francisco, Calif. ... lator. 2,650,763, Sept. 1.
MacGlashan, William F., Jr., Alhambra, Cali... to United States of America as represen... Secretary of the Army. Automatic low press... and signaling check valve for fuel tank ... systems. 2,640,529, June 2
MacGlashan, William F., Jr., Alhambra, assign... fornia Institute Research Foundation, Pasa... Pressure regulator. 2,660,834, Dec. 1.
MacGlashan, William F., Jr., Alhambra, Cali... to the United States of America as represe... Secretary of the Army. Rupture diaph... 2,663,458, Dec. 22.
MacGregor, David, Munster, assignor to Edw... Inc., East Chicago, Ind. Assembling par... valves. 2,627,651, Feb. 10.
MacGregor, Joseph: *See*—
MacGregor, Robert, and J.
MacGregor, Joseph, Whitley Bay, England. ... strip for hatch covers. 2,633,613, Apr. 7.

Macgregor, Peter S.: *See*—
Smith, Charles H., and Macgregor.

MacGregor, Robert, and J., Whitley Bay, England. Steel hatch cover. 2,641,214, June 9.

Machado, Anthony B., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine. 2,650,761, Sept. 1.

Machado, Anthony B., San Leandro, and F. J. Pruellage, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Dividend aligning mechanism. 2,653,765, Sept. 29.

MacHenry, Richard: *See*—
Brown, Charles B., Cox, MacHenry, and Finkle.

Machlan, George R., Cicero, L. R. McClary, Brookfield, and A. J. Prickett, Des Plaines, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming parts from brittle metal strip. 2,648,759, Aug. 11.

Machinefabriek Reineveld N. V., assignee: *See*—
Zwaard, Henricus C. A.

Machine Tool Works Oerlikon Administration Company, assignee: *See*—
Apothéloz, Robert.
Keller, Ernst.

Machler, Raymond C., assignor to Leeds and Northrup Company, Philadelphia, Pa. Radiation pyrometry. 2,658,390, Nov. 10.

Machlet, George A. F., Elizabeth, N. J. Pulsing electronic measuring and control apparatus. 2,642,228, June 16.

Machlett Laboratories, Incorporated, assignee: *See*—
Agule, George J.
Coykendall, William E., Jr.
Doolittle, Howard D.
Doolittle, Howard D., Zarth and Rheaume.

Machovec, Fred J., Pasadena, Calif. Power propelled sweeper. 2,657,408, Nov. 3.

Macias-Sarria, José, Philadelphia, Pa. Lipstick sample holder. 2,630,217, Mar. 3.

Maciejowski, John J.: *See*—
Daniels, Richard W., Jr., and Maciejowski.

MacInnes, John N., Newfields, and P. H. Gerard, Newmarket, N. H. Means to indicate temperature and electric failure. 2,663,858, Dec. 22.

MacInnes, John N., Newfields, and P. H. Gerard, Newmarket, N. H. Thermal and magnetic means of indicating temperature and electric failure. 2,663,859, Dec. 22.

MacInnes, John N., Newfields, and P. H. Gerard, Newmarket, N. H. Thermal means of indicating temperature and electric failure. 2,663,860, Dec. 22.

MacIntyre, John A., Barrington, R. I., assignor to U. S. Plush Mills, Inc. Two-ply fabric for mattresses or the like. 2,632,480, Mar. 24.

MacIntyre, Willard C., Franklin, Ohio. Container. 2,632,563, Mar. 24.

MacIsaac, John T., Jr.: *See*—
Tuttle, Richard H., MacIsaac, and Sturtevant.

Mack, George W., Waterloo, Iowa. Photographic slide binder. 2,643,017, June 23.

Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents and Chemical Corporation, New York, N. Y. Polymeric organic tin compounds. 2,626,953, Jan. 27.

Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Polyvinyl chloride resins stabilized with polystannoxanediol esters. 2,628,211, Feb. 10.

Mack, Gerry P., Jackson Heights, and F. B. Savarese, Brooklyn, N. Y., assignors to Advance Solvents & Chemical Corporation. Halogen-containing resins stabilized with stannanediol ether esters. 2,631,990, Mar. 17.

Mack, Gerry P., Jackson Heights, and E. Parker, assignors to Advance Solvents & Chemical Corporation, New York, N. Y. Organo-tin sulfonamides. 2,634,281, Apr. 7.

Mack, Grant, Berkley, Mich. Flush door latching mechanism. 2,649,322, Aug. 18.

Mack, James F.: *See*—
Moore, Richard E., and Mack.

Mack, John L., Sr., Chicago, Ill. Clothespin. 2,626,439, Jan. 27.

Mack, Kenneth A., assignor to Baker Perkins Inc., Saginaw, Mich. Rotary filter press. 2,631,527, Mar. 17.

Mack Manufacturing Corporation, assignee: *See*—
Holman, Frank H., Jr.
Willis, Delbert E.

Mack, Robert B., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Jacketed conical blender. 2,628,080, Feb. 10.

Mack, Wayne M.: *See*—
Carew, Herman, and Mack.

MacKay, Irwin A.: *See*—
Sweeney, John F., Able, and MacKay.

MacKay, John R., Packanack Lake, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Settable keying apparatus. 2,627,599, Feb. 3.

MacKay, John R., Packanack Lake, N. J., assignor to Wallace & Tiernan Company, Inc. Chlorine concentration sensitive apparatus. 2,656,526, Oct. 20.

Mackay, Johnstone S.: *See*—
Paden, Joseph H., and Mackay.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Guanidine sulfate from urea and sulfur dioxide. 2,653,976, Sept. 29.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of cyanamide. 2,656,253, Oct. 20.

Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of melamine and/or guanidine. 2,658,891, Nov. 10.

Mackay Radio and Telegraph Company, assignee: *See*—
Browning, Samuel D.

MacKay, Richard T., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Dual load and unload chute device. 2,650,729, Sept. 1.

MacKay, Robert G., and G. H. McLaughlin, assignors to Sherritt Gordon Mines Limited, Toronto, Ontario, Canada. Radiation-measuring device. 2,629,824, Feb. 24.

Mackay, Thomas R., Pomona, and P. L. Angel, La Verne, Calif., assignors to Fairbanks, Morse & Co., Chicago, Ill. Line shaft guide bearing. 2,663,599, Dec. 22.

Mackay, William W.: *See*—
Airlie, John, and Mackay.

Mackechnie, James G., Jr., Springfield, Mass. Ticket printing and feeding apparatus for wire stitcher machines. 2,638,822, May 19.

MacKellar, Donald G.: *See*—
Greenspan, Frank P., and MacKellar.

MacKenzie, Alexander, Jr., assignor of one-half to L. O. Setterlund, Springfield, Mass. Rotary, turbine type hydraulic coupling. 2,655,789, Oct. 20.

Mackenzie, Andrew S., St. Paul, Minn. Brick lifting apparatus. 2,635,912, Apr. 21.

MacKenzie, Charles A.: *See*—
Rust, John B., and MacKenzie.

MacKenzie, Charles A., East Orange, and J. B. Rust, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Preparation of unsaturated silanes. 2,628,246, Feb. 10.

MacKenzie, Frederick J., Trenton, N. J. Pump. 2,639,084, May 19.

MacKenzie, Harvey K., Pioneer Mines, British Columbia, Canada. Circumference measuring instrument for cylindrical articles. 2,648,913, Aug. 18.

MacKenzie, James, Glenwood Springs, Colo., assignor to Southwest Metal Industries, Phoenix, Ariz. Range seeder. 2,628,000, Feb. 10.

MacKenzie, James A., Eastview, Ontario, Canada. Constructional element. 2,632,533, Mar. 24.

MacKenzie, James C.: *See*—
Allenby, Owen, C. W., and MacKenzie.

MacKenzie, James S., and O. H. Axtell, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Catalytic decompositions of formic acid in acetic acid mixtures with other organic compounds. 2,656,379, Oct. 20.

Mackenzie, John F., and T. Horrocks, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England. Electrical signaling system. 2,647,253, July 28.

MacKenzie, Louis G.: *See*—
Tomberlin, William M., MacKenzie, and Bennett.

Mackert, John J., Detroit, Mich. Yieldable wiping implement. 2,658,222, Nov. 10.

Mackey, Bill H.: *See*—
Branan, Wiley M., Burrows, and Mackey.

Mackey, Donald, Haddon Heights, N. J., assignor to Radio Corporation of America. Electrical switch contact arrangement. 2,643,361, June 23.

Mackey, E. Scudder, Binghamton, N. Y. Antifading baths for photographic black and white materials. 2,629,661, Feb. 24.

Mackie, Harry, Leigh, assignor to Electro-Hydraulics Limited, Warrington, England. Pressure regulating device. 2,650,605, Sept. 1.

Mackie, Harry A.: *See*—
Schamel, Clyde H., and Mackie.

Mackie, Harry A., and F. A. Guillermety, assignors to General Motors Corporation, Detroit, Mich. Windshield wiper blade construction and mounting. 2,634,446, Apr. 14.

Mackinney, Herbert W., East Orange, and S. J. Schultz, Cranford, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Manufacture of wet strength paper. 2,642,360, June 16.

MacKinnon, George G., Guilford, Maine. Electric hand grease gun. 2,626,085, Jan. 20.

MacKinnon, John C.: *See*—
Sanders, Charles E., and MacKinnon.

Mackintosh, Charles, Los Angeles, Calif. Grandstand. 2,663,913, Dec. 29.

Mackintosh, Charles, Los Angeles, Calif. Grandstand. 2,663,914, Dec. 29.

Mackintosh, Donald D. R., Chicago, Ill. Nipple threading machine. 2,644,964, July 14.

MacLagan, Carl F.: *See*—
Clark, Laurence E., Jr., and MacLagan.

Macklanburg, Louis A., Oklahoma City, Okla. Monogram mounting for door grilles. 2,636,298, Apr. 28.

Macklanburg, Louis A., Oklahoma City, Okla. Screen door grille. 2,657,746, Nov. 3.

Macklenar, Albert H., Toledo, Ohio. Ventilated insulating spacing shield for flashlight dry cells. 2,643,327, June 23.

Macklin, Justin W., trustee, assignee: *See*—
Graves, Frederick G.

Mackmann, Arthur, Chicago, Ill., assignor to Hupp Corporation, Cleveland, Ohio. Power transmission mechanism for window regulators. 2,651,212, Sept. 8.

MacKnight, Edgar W., San Leandro, Calif. Adjustable seat assembly. 2,650,647, Sept. 1.

Mackrell, James J.: *See*—
McDonald, Frank H., Mackrell, Rado, and Brand.

Mackta, Leo, Brooklyn, N. Y. Low frequency simplified loran system. 2,628,351, Feb. 10.

MacLagan, Allan R., assignor to Eastman Oil Well Survey Company, Denver, Colo. Inclination indicator. 2,624,952, Jan. 13.

MacLagan, James A., Forest Park, and T. A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee. Foul detecting device. 2,650,095, Aug. 25.

MacLaren, Frederick H.: *See*—
Pramuk, Edward M. B., and MacLaren.

MacLaren, Frederick H., Munster, Ind., assignor to Standard Oil Company, Chicago, Ill. Testing of plastic flow. 2,645,932, July 21.

MacLaren, Frederick H., Munster, Ind., and M. L. Kalinowski, assignors to Standard Oil Company, Chicago, Ill. Bituminous materials and preparing the same. 2,658,026, Nov. 3.

MacLaren, Frederick H., Munster, and L. P. Schwartz, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Trough greases and preparing the same. 2,661,318, Dec. 1.

MacLaughlin, Grey D., Jr.: *See*—
Bartow, John B., J. A., and MacLaughlin.

Maclay, William R., and E. G. Spyridakis, Athens, Pa., assignors to Ingersoll-Rand Company, New York, N. Y. Core retainer for dynamoelectric machines. 2,650,317, Aug. 25.

MacLea, Robert K., Jr., Greenwich, Conn., I. A. Greenwood, Jr., Pleasantville, N. Y., and H. Ziebolz, Chicago, Ill., assignors to General Precision Laboratory Incorporated. Pressure responsive device. 2,659,390, Nov. 17.

MacLean, Alexander F., Corpus Christi, Tex., assignor to American Cyanamid Company, New York, N. Y. Preparation of ammeline. 2,653,936, Sept. 29.

MacLean, Alexander F., Robstown, Tex., assignor to Celanese Corporation of America, New York, N. Y. Production of barium-chromium-copper-alumina containing catalyst. 2,634,242, Apr. 7.

MacLean, Alexander F., Robstown, Tex., assignor to Celanese Corporation of America, New York, N. Y. Catalytic dehydrogenation of alcohols to carbonyl compounds. 2,634,295, Apr. 7.

MacLean, Alexander F., Robstown, Tex., assignor to Celanese Corporation of America. Preparation of barium - chromium - copper - silica - containing catalyst. 2,649,420, Aug. 18.

MacLean, Alexander F., Robstown, and A. L. Stautzenberger, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Production of hexamine. 2,640,826, June 2.

MacLean, Allen D., Pittsburgh, Pa., assignor, by mesne assignments, to The Ohio Injector Company, Wadsworth, Ohio. Apparatus for operating rotary valves. 2,643,677, June 30.

MacLean-Fogg Lock Nut Company, assignee: *See*—
Doke, Ernest G.
MacLean, John A., Jr., and Money.
MacLean, John A., Jr., and Stimpel.

MacLean, James M., assignor to Enjar Wheels, Limited, Windsor, Ontario, Canada. Prestressed resilient wheel structure. 2,631,055, Mar. 10.

MacLean, John A., Jr., Winnetka, Ill., and B. F. Money, Tulsa, Okla., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Cotter key. 2,631,487, Mar. 17.

MacLean, John A., Jr., Winnetka, and V. C. Stimpel, assignors to MacLean-Fogg Lock Nut Company, Chicago, Ill. Floor clip. 2,634,833, Apr. 14.

MacLean, Thomas T., assignor to Anglo-Iranian Oil Company Limited, London, England. Helmet. 2,639,428, May 26.

MacLellan, George, & Company Limited, assignee: *See*—
MacLelland, Kenneth B. W.

MacLellan, Kenneth B. W., Maryhill, Glasgow, assignor to George MacLelland & Company Limited, Glasgow, Scotland. Kneepad for wear. 2,652,565, Sept. 22.

MacLelland, Willis G.: *See*—
Snyder, Clermont J., and MacLelland.

MacManus, Katie L., Apopka, Fla. Shoulder pad. 2,624,885, Jan. 13.

MacMasters, Majel M., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Sterilization of starch sponge. 2,635,943, Apr. 21.

MacMillan, Richard H., Griffin, Ga. Warp beam. 2,652,993, Sept. 22.

MacMillan, Ronald, Windsor, Ontario, Canada. Back rest for planklike seats. 2,625,988, Jan. 20.

MacMullen, Clinton W., Fayetteville, R. C. Shaver, and R. L. Titus, Syracuse, N. Y., assignors to Cowles Chemical Company, Cleveland, Ohio. Treatment of papermaking fibers with organosilicon compounds. 2,646,373, July 21.

Macnab, Ira P.: *See*—
Montgomery, Seton J., and Macnab.

MacNamara, Clifford J., Dover, assignor to Stapling Machines Co., Rockaway, N. J. Apparatus for orienting notched cleats. 2,647,614, Aug. 4.

Macnee, Alan B.: *See*—
Gadsden, Christopher P., Macnee, and Wallman.

MacNeil, Charles I., Shada, Cap Haitien, Haiti, West Indies, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical apparatus. 2,659,044, Nov. 10.

MacNeill, John B.: *See*—
Baker, Benjamin P., Frisch, Aspey, and MacNeill.

MacNeill, John B., and H. J. Lingal, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic trip circuit breaker. 2,663,774, Dec. 22.

MacNeill, John B., Pittsburgh, and W. H. Stuellein, East McKeesport, and M. E. Horn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,663,775, Dec. 22.

MacNeill, John H.: *See*—
De Turk, John E., and MacNeill.

MacNichol, Edward F., Hamilton, and I. H. Sudman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. System for determination of velocity. 2,626,986, Jan. 27.

MacNichol, Edward F., Jr., South Hamilton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gated oscillator circuit. 2,638,548, May 12.

Macomber Incorporated, assignee: *See*—
Macomber, Robert C.

Macomber, James K.: *See*—
Davis, Arthur P., and Macomber.

Macomber, Robert C., assignor to Macomber Incorporated, Canton, Ohio. Fabricated joist. 2,624,430, Jan. 6.

Macomber, Robert C., assignor to Macomber, Incorporated, Canton, Ohio. Manufacture of fabricated joists. 2,662,272, Dec. 15.

Macomber, Stanley, North Canton, Ohio. Multiple tubular section structural member. 2,630,890, Mar. 10.

Macomic, Chester A., Chicago, Ill. Character selecting mechanism. 2,659,299, Nov. 17.

Macomson, Wistar W.: *See*—
Bates, Arthur H. Jr., Bobo, Mullinax, and Macomson.

MacPheat, Alexander M., Indianapolis, Ind., assignor to Western Electric Company, Incorporated, New York, N. Y. Stop gauge for a punching apparatus. 2,646,122, July 21.

MacPhee, Paul A., and G. T. Brown, Jr., assignors to The National Cash Register Company, Dayton, Ohio. Hand stamp. 2,638,049, May 12.

MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Vehicle wheel suspension system. 2,624,592, Jan. 6.

MacPherson, Earle S., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Wheel suspension for motor vehicles. 2,660,449, Nov. 24.

MacPherson, Robert E., Jr., Cranford, and O. Schricker, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Continuous fluid hydroforming. 2,656,304, Oct. 20.

MacPherson, William, Westlake, Ohio. Ladder bracket. 2,663,484, Dec. 22.

MacQuarrie, Fred L., Los Angeles, and F. S. Woods, Montebello, Calif., assignors, by mesne assignments, of fifty and one-half per cent to said MacQuarrie and forty-nine and one-half per cent to said Woods. Torque regulator for reels. 2,638,285, May 12.

MacRae, Fred G.: *See*—
Eldridge, Tausias I., Jr., Young, and MacRae.

Macready, George A., Los Angeles, Calif. Making hollow monolithic concrete slabs. 2,648,116, Aug. 11.

Macro, David A., Sheridan, N. Y. Oil filter. 2,626,056, Jan. 20.

MacSporran, Charles, Bartlesville, Okla., assignor to Phillips Petroleum Company. Safety fuel shutoff system. 2,632,430, Mar. 24.

MacSporran, Charles, Bartlesville, Okla., assignor to Phillips Petroleum Company. Gas supply control system. 2,640,769, June 2.

MacSporran, Charles, Bartlesville, Okla., and O. L. Garretson, Roswell, N. Mex., assignors to Phillips Petroleum Company. Automatic on and off control system for gas plants. 2,640,768, June 2.

MacVeigh, James, New York, N. Y., assignor to Patentees Talgo, S. A., Madrid, Spain. Axle mounting. 2,647,470, Aug. 4.

MacVeigh, James, New York, N. Y., and F. M. F. Heredia, assignors to Patentes Talgo, S. A., Madrid, Spain. Coupler and load support for trailer type rail vehicles. 2,631,738, Mar. 17.

MacWilliams, Walter H., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gating circuits. 2,627,039, Jan. 27.

Macy, James C., assignor to Ideco, Incorporated, Westfield, N. J. Slide fastener. 2,629,911, Mar. 3.

Macy, James C., Cranford, N. J., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector. 2,626,168, Jan. 20.

Macy, James C., New Cumberland, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Tool for crimping ferrules. 2,639,754, May 26.

Macy, James C., Westfield, N. J., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connector. 2,629,763, Feb. 24.

Madan, Edward K., Maplewood, N. J. Sewing kit. 2,646,908, July 28.

Madaras Corporation, assignee: *See*—
Madaras, Julius D.

Madaras, Julius D., Detroit, Mich., assignor to Madaras Corporation, Wilmington, Del. Pressure vessel and pressure head therefor. 2,640,624, June 2.

Madden, Frank J., trustee, assignee: *See*—
Beadle, Buell W., and Kraybill.

Madden, Harold V.: *See*—
Gerken, John D., and Madden.

Madden, Homer W., Hanover, Ind. Tin can stacker. 2,639,823, May 26.

Madden, Ira C., Detroit, Mich. Sawhorse workbench. 2,636,526, Apr. 28.

Madden, James J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Linear dial call transmitter. 2,635,230, Apr. 14.

Maddux, E. A., assignee: *See*—
Hammon, Lester.

Mader, Emil A., assignor of one-half to J. Spargo, Detroit, Mich. Spring counterbalanced louver mechanism. 2,624,265, Jan. 6.

Mader, Emil A., assignor of one-half to J. Spargo, Detroit, Mich. Louver actuating and fan motor control mechanism. 2,632,377, Mar. 24.

Mader, Emil A., assignor of one-half to J. Spargo, Detroit, Mich. Combined fluid impeller and self-sealing closure. 2,656,971, Oct. 27.

Mader, Joseph, Albany, N. Y. Flag raising and lowering device. 2,630,779, Mar. 10.

Mader, Julius, assignee: *See*—
Bührer, Robert.

Madeira, John R., assignor to Goodman Manufacturing Company, Chicago, Ill. Belt conveyer. 2,640,582, June 2.

Madill, Alfred L., Vancouver, British Columbia, Canada. Blast and dust control plug. 2,632,390, Mar. 24.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable door. 2,628,389, Feb. 17.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable car door. 2,629,901, Mar. 3.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable door. 2,658,244, Nov. 10.

Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Railway car construction. 2,658,245, Nov. 10.

Madland, Thorvald, and W. A. Beauchamp, Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Refrigerator car door and sealing means therefor. 2,632,214, Mar. 24.

Madore, Arthur H., Los Angeles, Calif. Hair curling paper. 2,631,593, Mar. 17.

Madorsky, Samuel L., Chicago, Ill., and A. K. Brewer, Richland Center, Wis., assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Separation of isotopic ions. 2,645,610, July 14.

Madsen, Berthel F., assignor to Teletype Corporation, Chicago, Ill. Shift mechanism. 2,658,105, Nov. 3.

Madsen, Börge, Copenhagen, Denmark, assignor, by mesne assignments, to Flexigrip, Inc., New York, N. Y. Separable fastener. 2,637,085, May 5.

Madsen, Ethel M., Manor Village, Calif. High chair with safety restraining post. 2,630,856, Mar. 10.

Madsen, Herbert S., Lakeland, Fla., assignor to General Foods Corporation, New York, N. Y. Heat-treating citrus juices. 2,628,168, Feb. 10.

Madsen, Paul S., Bethany, assignor to The Seamless Rubber Company, New Haven, Conn. Pitcher's rubber. 2,662,768, Dec. 15.

Madsen, Paul S., Bethany, assignor to The Seamless Rubber Company, New Haven, Conn. Pitcher's rubber. 2,662,769, Dec. 15.

Madson, Clarence A., Emmons, Minn. Insulating jacket for toilet flush tanks. 2,651,052, Sept. 8.

Maeder, Arthur: *See*—
Albrecht, Otto, and Maeder.

Maersch, Helen M., Sheboygan, Wis. Covered serving dish. 2,627,991, Feb. 10.

Maerz, Henry, Brooklyn, N. Y., assignor to Self Winding Clock Company, Inc. Clock synchronizer. 2,634,575, Apr. 14.

Maeser, Mieth: *See*—
Tyndall, Joseph M., and Maeser.

Maeser, Mieth, Beverly, and L. D. Alderman, Magnolia, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe conditioning apparatus. 2,633,583, Apr. 7.

Maestre's Industries, Ltd., assignee: *See*—
Conner, Luther O.

Maffei, Carmine C. J.: *See*—
Klein, Robert L., Maffei, and Kirschstein.

Magarian, Masick C., Fresno, Calif. Bearing mount for disk plows. 2,652,291, Sept. 15.

Magaro, Robert L., Marysville, Pa. Safety lock for firearms. 2,625,765, Jan. 20.

Magaro, Robert L., Marysville, assignor of 35% to F. Ricci, West Fairview, and 15% to S. Magaro, Mechanicsburg, Pa. Safety lock for firearms. 2,661,561, Dec. 8.

Magaro, Sadie, assignee: *See*—
Magaro, Robert L.

Magat, Eugene E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyamides from dinitriles and disecondary alcohols or their esters. 2,628,216, Feb. 10.

Magat, Eugene E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing amides. 2,628,217, Feb. 10.

Magat, Eugene E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyamides from a dinitrile and a ditertiary alcohol or ester of the last. 2,628,218, Feb. 10.

Magat, Eugene E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyamides from dinitrile and ditertiary diolefin. 2,628,219, Feb. 10.

Magat, Eugene E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing linear polyamides. 2,659,713, Nov. 17.

Mageau, George J., Jr., Fiskdale, assignor to American Optical Company, Southbridge, Mass. Spectacle case. 2,634,018, Apr. 7.

Magee, Carl, assignee: *See*—
Hale, Gerald A.

Magee Carpet Company, The, assignee: *See*—
Groat, Francis P.

Magee, Robert C., Manhasset, assignor to J. B. Thomson, Plandome, N. Y. Antifriction bearing for linear motion. 2,628,135, Feb. 10.

Mager, Eric L., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Electroluminescent lamp. 2,624,857, Jan. 6.

Mager, Gustave E., Hamden, Conn., assignor to E. H. White, Baltimore, Md. Striker plate. 2,643,149, June 23.

Magerkurth, Wilhelm A., assignor to National Rubber Machinery Company, Akron, Ohio. Extrusion apparatus. 2,639,464, May 26.

Magerlein, Barney J.: *See*—
Weisblat, David I., Hanze, Magerlein, Myers, and Rolfson.
Weisblat, David I., and Magerlein.
Weisblat, David I., Magerlein, Myers, Rolfson, and Hanze.
Weisblat, David I., Magerlein, and Rolfson.

Maggart, Joel F., Elmwood, Tenn. Irrigation machine. 2,628,863, Feb. 17.

Maggi, Ernesto, Bergamo, Italy. Linear motor racing game. 2,638,347, May 12.

Magic Chef, Inc., assignee: *See*—
Brodbeck, Almer H.
Kinsella, Howard R.
Morrill, Vaughan, Jr.

Magic Hanger, Inc., assignee: *See*—
Urban, Frank J.

Magic Seal, Inc., assignee: *See*—
Rand, Henry J.

Magid, Bernard, New York, N. Y. Casket display and storage apparatus. 2,627,353, Feb. 3.

Magid, Philip, Brooklyn, N. Y. Strap connector. 2,639,480, May 26.

Magida, Herbert N., Chicago, Ill. Push and pull friction type exerciser. Re. 23,744, Nov. 24.

Magida, Herbert N., Chicago, Ill. Foot actuated exercising device. 2,645,482, July 14.

Magill, Donald G., Great Neck, N. Y., and S. W. Pierce, Glen Ellyn, Ill., assignors to American Can Company, New York, N. Y. Forming end seams in composite containers. 2,633,095, Mar. 31.

Magill, Donald G., Great Neck, N. Y., and R. P. Bigger, Stanton, N. J., assignors to American Can Company, New York, N. Y. Producing bulged containers. 2,634,563, Apr. 14.

Magill, Gilbert W., Los Angeles, Calif. Control system for tandem rotor helicopters. 2,663,371, Dec. 22.

Magill, John W., Chicago, Ill. Portable floating type breakwater unit for effecting wave energy dissipation. 2,658,350, Nov. 10.

Magill, Lloyd G.: *See*—
Dougherty, Patrick F., and Magill.

Magin, August: *See*—
Reppe, Walter, and Magin.

Magis, Auguste A. G., Paris, France. Change-speed gearbox. 2,660,070, Nov. 24.

Magline, Inc., assignee: *See*—
Law, Don C.

Magnaflux Corporation, assignee: *See*—
De Forest, Taber, and Staats.
Dunsheath, Thomas J.

Magnani, Alessandro, Broni, Italy. Apparatus for forming cement sheets. 2,635,508, Apr. 21.

Magnani, Alessandro, Broni, Italy. Method and machine for manufacturing corrugated fibrocement slabs. 2,655,196, Oct. 13.

Magnavox (Australia) Pty. Ltd., assignee: *See*—
Charlesworth, Reginald D.

Magnavox Company, The, assignee: *See*—
Clark, Ralph W., and Koonz.
Dreisbach, Robert H.
Mills, Donald H., and Knox.

Magnesium-Elektron Limited, assignee: *See*—
Higgins, William F.
Higgins, William F., and Wilkinson.

Magnetrol, Inc., assignee: *See*—
Binford, Benjamin L.

Magnex, Inc., assignee: *See*—
Wilm, Carl C.

Magni, Karl G., Ronninge, assignor to Aktiebolaget Separator, Stockholm, Sweden. Pneumatic pulsator. 2,664,095, Dec. 29.

Magnus, Carl E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Machine for applying protective spots to the pads of crown caps. 2,664,137, Dec. 29.

Magnus Chemical Company, Inc., assignee: *See*—
Zinty, Marcel J.

Magnus, Finn H., Essex Fells, N. J. Bubble-blowing and sound-producing toy. 2,625,768, Jan. 20.

Magnus, Finn H., Essex Fells, and E. J. Ens, assignors to Magnus Harmonica Corporation, Newark, N. J. Portable musical instrument. 2,659,261, Nov. 17.

Magnus Harmonica Corporation, assignee: *See*—
Magnus, Finn H., and Ens.

Magnus, Oscar F., Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y. Pump actuating system for rail and flange lubricators. 2,643,738, June 30.

Magnusen, Ralph W.: *See*—
Arisman, Mervin B., Vaksvik, and Magnusen.

Magnuski, Henry, assignor to Motorola, Inc., Chicago, Ill. Resonant cavity filter. 2,637,782, May 5.

Magnuson, A., assignee: *See*—
Magnuson, Raymond A.

Magnuson, Amiel W., Minneapolis, Minn. Measuring instrument. 2,624,119, Jan. 6.

Magnuson, C. Edwin: *See*—
Bouget, Yves A., and Magnuson.

Magnuson, Harry E., Worcester, and W. J. Moren, Auburn, Mass. Punch press. 2,647,552, Aug. 4.

Magnuson, R. A., assignee: *See*—
Magnuson, Raymond A.

Magnuson, Raymond A., assignor to R. A. Magnuson and A. Magnuson, copartners doing business as Vogel-Peterson Co., Chicago, Ill. Garment rack with hanger retaining means. 2,658,627, Nov. 10.

Magnuson, Roy M., Campbell, Calif. Quick-freeze method and apparatus. 2,625,805, Jan. 20.

Magnusson, Eskil A. B., Stockholm, Sweden. Face protector. 2,625,684, Jan. 20.

Mago, Blake F.: *See*—
Langer, Theodore W., and Mago.

Magoon, Osborn P., assignor to L. C. Davey, Alameda, Calif. Paint applying roller. 2,654,107, Oct. 6.

Magor Car Corporation, assignee: *See*—
Lunde, Einar O.

Magor, Stuart F., and R. A. Daugherty, Houston, Tex., assignors to The Superior Oil Company, Los Angeles, Calif. Recovery of hydrocarbons. 2,662,049, Dec. 8.

Magos, John P., Wilmette, C. U. Larson, Berwyn, and A. B. Nelson, assignors to Crane Co., Chicago, Ill. Shower head. 2,624,625, Jan. 6.

Magos, John P., Wilmette, E. G. Schmidt, La Grange, and E. P. De Craene, Westchester, assignors to Crane Co., Chicago, Ill. Flanged pipe joint. 2,646,997, July 28.

Magram, Sidney J.: *See*—
Finkelstein, Leo, and Magram.

Magram, Sidney J., Baltimore, and J. J. Blissel, Kingsville, Md. Igniting composition and preparing same. 2,640,770, June 2.

Magrath, George, Whitinsville, Mass. Bobbin clutch. 2,624,520, Jan. 6.

Magrum, Gervase M., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Reciprocating piston type hydraulic damping mechanism. 2,640,693, June 2.

Maguire, John J.: *See*—
Flint, Perley G., and Maguire.

Mahaffey, Robert J., Texarkana, Tex. Screw holding attachment for screw drivers. 2,633,168, Mar. 31.

Mahan, Boyd L.: *See*—
Skelton, William E., Hess, Arnold, and Mahan.

Mahan, Chas. E., executor: *See*—
Long, Armistead R. and J. B.

Mahan, Frank, Portsmouth, N. H. Battery watering gun. 2,658,653, Nov. 10.

Mahan, John E., and S. D. Turk, Bartlesville, Okla., assignors to Phillips Petroleum Company. Making nitriles. 2,642,454, June 16.

Mahan, Lynn C., deceased; by D. S. Swanson, executrix, New York, N. Y. Crib guard. 2,628,373, Feb. 17.

Mahan, Marvin H.: *See*—
Hollyday, William C., Jr., and Mahan.

Mahan, Marvin H., Elizabeth, N. J., assignor to Standard Oil Development Company. Diolefin copolymer rubber plasticized with tough styrene-isobutylene copolymers. 2,631,139, Mar. 10.

Mahan, Raymond I., Long Beach, Calif. C
tool. 2,628,816, Feb. 17.

Mahardy, Edward M., Frankfort, N. Y., assig
Drop Forge & Tool Corporation. Saf
2,634,625, Apr. 14.

Maher, George A., assignor, by mesne ass
G. I. McNeil, Detroit, Mich. Belt pulley
July 28.

Maher, Joseph L.: *See*—
Glasgow, Clarence O., and Maher.

Maher, Joseph L., assignor to National Tar
Tulsa, Okla. Sorbing tower. 2,626,675, Ja

Maher, Laurence C., Asbury Park, N. J. I
motor. 2,628,604, Feb. 17.

Maher, Mildred V., Jamaica, N. Y. Foldable
for ironing boards and the like. 2,641,072

Maher, Richard A., D. S. Oliver, and F. L.
assignors to Avco Manufacturing Corpora
nati, Ohio. Color television rotating filter
2,644,032, June 30.

Maher, Richard A., and C. C. Pfitzer, assign
Manufacturing Corporation, Cincinnati,
pulse selector circuit. 2,652,491, Sept. 15.

Maher, William A., Detroit, Mich. Windshiel
center supporting bracket. 2,650,130, Aug.

Maher, William W.: *See*—
Davidson, Lawrence W., and Maher.

Maher, William W., San Francisco, Calif.,
American Can Company, New York, N. Y.
head adaptable to various sizes of cans.
June 9.

Mahla, Neumann L., Lakewood, Ohio. Ejector
Mar. 3.

Mahla, Neumann L., Lakewood, Ohio. Moldin
for rapid cycle molding of thermoplasti
2,632,207, Mar. 24.

Mahle, Ernst, Baden Stuttgart, Wurttemberg
Piston ring. 2,659,638, Nov. 17.

Mahler, George T.: *See*—
Handwerk, Erwin C., Mahler, and Held.

Mahler, Harry H., Brookline, Mass. Adhesiv
attaching articles. 2,658,246, Nov. 10.

Mahler, Joseph, Southport, Conn., assignor t
Optical Company, Southbridge, Mass. Re
ucts of cupric chloride and amino hydroqui
and process. 2,639,290, May 19.

Mahlke, Oscar W., Washington, D. C. Nonma
pivot. 2,625,451, Jan. 13.

Mahlon, Thomas E., Allentown, Pa. Varia
rotary pump. 2,630,759, Mar. 10.

Maho, Jacques, Larchmont, N. Y., assignor of
L. Littmann, Unterhaching, near Munich
Aerated storage chamber for granulous goods
Apr. 14.

Maho, Jacques, Larchmont, N. Y. Aerating
granular materials. 2,634,673, Apr. 14.

Mahoff, George A.: *See*—
Christophersen, Clarence E., and Mahoff.

Mahon, Thomas J., Long Island City, assigno
makers' Products Corporation, New York, N.
2,643,969, June 30.

Mahone, Thomas L., Hampton, Va. In
2,645,030, July 14.

Mahoney, Donald G.: *See*—
Nichols, Charles A., Poole, Mahoney, and

Mahoney, Frank D., San Francisco, Calif. C
nozzle, check valve, and strainer. 2,633,386

Mahoney, George R., Tariffville, Conn. Founta
for paste or the like. 2,625,302, Jan. 13.

Mahoney, John J.: *See*—
Ledgett, Lowell A., Deane, and Mahoney.

Mahoney, Robert F., Milford, Conn. Telepho
locking clip. 2,647,959, Aug. 4.

Mahoney, Thomas R., Greenville, assignor, by
signments, to The Chase Foundry & Manufact
pany, Columbus, Ohio. Portable conveyer.
June 16.

Mahr, Carl W., Esslingen (Neckar), German
apparatus for gears. 2,656,614, Oct. 27.

Mahr, Julius A., Minneapolis, assignor, by me
ments, to H. R. Nielsen, St. Paul, Minn.
holding folding tables from shifting whe
2,656,231, Oct. 20.

Mahrt, Louis R., assignee, trustee: *See*—
Noodleman, Samuel.
Noodleman, Samuel, and Wise.

Mahruki, Mehmet T. N., Istanbul, Turkey.
liquid applying means. 2,629,123, Feb. 24.

Maico Company, Incorporated, The, assignee:
Barron, Fred E.
Walters, Warren R.

Maida, Charles J., Dorchester, Mass. Nozzle a
2,653,747, Sept. 29.

Maiden Form Brassiere Co., Inc., assignee: S
Silvani, Ernest.

Maiden, Norma, Ottawa, Ontario, Canada. We
ment. 2,657,690, Nov. 3.

Maid-O'-Mist, Inc., assignee: *See*—
Woolley, William J.

Maier, August R., Oil City, Pa., assignor to Un
Steel Corporation. Combined clutch and b
works hoists. 2,635,851, Apr. 21.

Maier, Curtis E., Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Making closure seals by molding and curing. 2,654,913, Oct. 13.

Maier, Curtis E., Riverside, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Forming closure caps by molding and partially fluxing a paste resin composition with subsequent final fluxing thereafter. 2,654,914, Oct. 13.

Maier, Curtis E., Riverside, H. E. Brockett, Lombard, and R. A. Larson, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Production of closure seals by partially curing, shaping, and completing the cure. 2,663,908, Dec. 29.

Maier, Curtis E., Riverside, H. E. Brockett, Lombard, and R. A. Larson, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Production of closure seals by partially curing a cushion material and thereafter shaping and completing the cure. 2,663,909, Dec. 29.

Maier, Herbert N.: *See*—
Pickering, Theodore H., and Maier.

Maier, Herbert N., Pottstown, Pa., assignor to Doehler-Jarvis Corporation, New York, N. Y. Capsule dispenser. 2,630,245, Mar. 3.

Maier, Herbert N., Pottstown, Pa., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Apparatus for impregnating and coating porous bodies. 2,657,668, Nov. 3.

Maier, John A., Lincolnville, Kans. Adjustable wire stretching and setting implement. 2,664,117, Dec. 29.

Maier, Karl L.: *See*—
Dreyfuss, Henry, Winterbottom, and Maier.

Maier, Karl W.: *See*—
Stevens, Charles H., and Maier.

Maier, Michael J., assignor to Malleable Iron Range Company, Beaver Dam, Wis. Combination range. 2,641,244, June 9.

Maierhofer, Hans G., New York, N. Y. Air pump. 2,645,414, July 14.

Maillard, Bernard, assignor to the Society Brevets Aero-Mechaniques, S. A., Geneva, Switzerland. Feed mechanism for automatic firearms cartridge belt feed type. 2,644,365, July 7.

Maillard, Francis, Issy-les-Moulineaux, A. Laville, Fontenay-aux-Roses, and J. Cantinieau, assignors to Societe Nationale de Constructions Aeronautiques des Sud-Ouest (Societe Anonyme), Paris, France. Means for steering aircraft with rotary wings. 2,644,533, July 7.

Maillart, Edmond B., Media, assignor to The Fibre-Metal Products Company, Chester, Pa. Glass holder for head protective equipment. 2,631,285, Mar. 17.

Main, John R., assignee: *See*—
Cunningham, Marcus M.

Main, Robert C.: *See*—
Eskin, Samuel G., and Main.

Main, Robert C., Boston, Mass., assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Diaphragm valve control. 2,652,110, Sept. 15.

Maines, Lewis D.: *See*—
McCullough, Kenneth V., and Maines.

Malorany, Robert T., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Vernier indicating instrument. 2,663,280, Dec. 22.

Mair, Jesse K., and C. J. McNally, assignors to Cement Gun Company, Inc., Allentown, Pa. Compressible tube valve. 2,660,395, Nov. 24.

Mairs, Thomas G.: *See*—
Schilling, Paul A., Mairs, and Baird.

Mairs, William J., Waltham, assignor to Technology Instrument Corporation, Acton, Mass. Continuously variable resistor. 2,659,794, Nov. 17.

Mairs, William J., Waltham, assignor to Technology Instrument Corporation, Acton, Mass. Continuously variable resistors. 2,662,150, Dec. 8.

Maisch, Oliver, Chicago, Ill. Pipette control means. 2,645,245, July 14.

Maisey, Albert J.: *See*—
Ebel, Francis L., and Maisey.

Maisner, Herman, Los Angeles, Calif., assignor, by mesne assignments, to Aerojet-General Corporation, Cincinnati, Ohio. Initiation of propellant decomposition. 2,648,190, Aug. 11.

Maison, Gayco, assignee: *See*—
Lorenzi, Anton.

Maitland, Francis A., Pawtucket, R. I. Seal cutter. 2,658,270, Nov. 10.

Majauskas, Charles J., Chicago, Ill. Ventilator for water closets. 2,639,440, May 26.

Majax Co., The, assignee: *See*—
McAllister, Clyde M.

Majeski, Joseph J., Porter, Ind. Key case. 2,640,347, June 2.

Majik-Ironers, Inc., assignee: *See*—
Foster, Edwin E.

Major, Frederick A., St. Louis, Mo. Holder and dispenser for collapsible tubes. 2,652,950, Sept. 22.

Major, Joseph W., Painesville, Ohio. Order indicator. 2,641,073, June 9.

Makant, Joseph E., and G. W. Smithson, Pawtucket, and K. R. Wunschel, Graniteville, R. I., assignors to Niles-Bement-Pond Company, West Hartford, Conn. Control for machine tools. 2,269,163, Feb. 24.

Makar, John T., assignor to Wise Potato Chip Co., Berwick, Pa. Rack clip for displaying bags of potato chips and the like. 2,630,923, Mar. 10.

Makaroff, Vadim S., New York, N. Y., and A. E. Jackson, Norwalk, Conn. Compressor. 2,643,817, June 30.

Make-All Tool & Die Co., assignee: *See*—
Rose, Harry J.

Makenny, William: *See*—
Green, James H., and Makenny.

Makepeace, D. E., Company, assignee: *See*—
Spooner, Howard E.

Maker, Edwin J., and J. L. Gibson, assignors to Walgreen Co., Chicago, Ill. Photographic printing apparatus. 2,657,613, Nov. 3.

Maki, Carl J., San Tome, Venezuela, assignor to Phillips Petroleum Company. Process for the dehydration of fluids. 2,629,460, Feb. 24.

Maki, Jacob K.: *See*—
Rixford, Henry K., Rockwood, and Maki.

Makishima, Kenji, Honolulu, Hawaii. Burglar alarm safety lock. 2,660,632, Nov. 24.

Mako, Elias R., Cleveland, Ohio. Process for making glaced or candied fruit. 2,624,676, Jan. 6.

Makrauer, Irvin, assignor to Sydney-Thomas Corporation, Cincinnati, Ohio. Bonding an end closure to a thermoplastic bag. 2,645,591, July 14.

Makruski, Edward E., Elyria, Ohio. Auto body repair fixture. 2,664,063, Dec. 29.

Malanowski, Stanley, Tampa, Fla., assignor to Fram Corporation. Outward flow filter. 2,651,417, Sept. 8.

Malarkey, Germaine E., Wooster, Ohio. Neckwear. 2,630,574, Mar. 10.

Malavazos, Arthur J., Oakland, Calif. Corn pad applicator. 2,631,311, Mar. 17.

Malby, Seth G., Edgewater, N. J. Picture display device. 2,661,560, Dec. 8.

Malco, Edward J., assignor to Jones & Lamson Machine Company, Springfield, Vt. Lathe tool. 2,627,107, Feb. 3.

Malco, Leo C., Long Beach, Calif. Contour chair with hingedly mounted back pad. 2,630,855, Mar. 10.

Malco, Leo C., Long Beach, Calif. Contour chair with movable padded seat. 2,650,644, Sept. 1.

Malcolmson, Robert S.: *See*—
Kutosh, Stephen, Hughey, and Malcolmson.

Malcom, Robert, Jr., assignor to Chicago Eye Shield Company, Chicago, Ill. Face protector. 2,631,287, Mar. 17.

Malcom, Robert, Jr., assignor to Chicago Eye Shield Company, Chicago, Ill. Protective device. 2,659,888, Nov. 24.

Maldague, Pierre E. J. M., assignor to Societe Anonyme John Cockerill, Seraing, Belgium. Installation for the production of hot gases under pressure. 2,655,364, Oct. 13.

Maldari, Donato, assignor to The De Martini Macaroni Co., Inc., Brooklyn, N. Y. Die for macaroni product extrusion. 2,638,855, May 19.

Maleck, Le Roy R., Chicago, Ill. Eyeglasses frame with spring biased temple arms. 2,652,747, Sept. 22.

Malecki, William J., New York, N. Y. Automatically adjustable C clamp. 2,644,498, July 7.

Malek, Frank, Shaker Heights, Ohio. Milk chute refrigerator. 2,629,231, Feb. 24.

Malhiot, Clarence J., assignor to F. B. Redington Co., Chicago, Ill. Carton filling machine. 2,651,442, Sept. 8.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Packaging machine and method of packaging. 2,625,777, Jan. 20.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Packaging machine transfer mechanism. 2,633,279, Mar. 31.

Malick, Franklin S., Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electromagnetically operated friction clutch. 2,647,601, Aug. 4.

Malik, John P.: *See*—
Schmidt, Arnold W., and Malik.

Malin, Jay B., Whittier, Calif., assignor to The Texas Company, New York, N. Y. Control of the ignition means in injection type internal-combustion engines. 2,628,600, Feb. 17.

Malin, Jay B., Whittier, Calif., assignor to The Texas Company, New York, N. Y. Fuel pump for internal-combustion engines. 2,640,422, June 2.

Malin, Robert D.: *See*—
Ramage, John H., and Malin.

Malir, Joseph J., Jr., Denver, Colo. Gas generator. 2,631,020, Mar. 10.

Malir, Joseph J., Jr., Denver, Colo. System for mixing vaporized hydrocarbons with air. 2,643,944, June 30.

Malkemus, John D., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Detergent composition. 2,634,239, Apr. 7.

Malkemus, John D., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Producing monoesters of polyhydric alcohol. 2,655,522, Oct. 13.

Malkemus, John D., Austin, Tex., assignor to Jefferson Chemical Company, Inc., New York, N. Y. Hydroxy carbamates and producing same. 2,627,524, Feb. 3.

Malkemus, John D., Austin, Tex., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing N-N′ dialkanol piperazine. 2,636,033, Apr. 21.

Malkin, Bernard A., Lachine, Quebec, Canada. Paperboard forming machine. 2,658,429, Nov. 10.

Malkin, John, assignor to J. Sowitsky, Millville, and A. Radawski, Bricksboro, N. J. Article holding device. 2,631,663, Mar. 17.

Malkoff, Hyman, and O. J. Nussbaum, assignors to Kramer Trenton Company, Trenton, N. J. Refrigerating apparatus with hot gas defrosting means. 2,637,983, May 12.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Portable tree-felling and log-cutting circle saw. 2,634,770, Apr. 14.

Mallasch, Luther F., Glendale, Calif. Flexible conduit cutter. 2,637,903, May 12.

Malleable Iron Fittings Company, assignee: *See*—
Jenne, Kenneth C.

Malleable Iron Range Company, assignee: *See*—
Maier, Michael J.

Mallery, Paul, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicator selecting and lock-in circuit. 2,639,415, May 19.

Mallett, Edwin A., and M. M. Seeloff, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Seam welder head. 2,625,639, Jan. 13.

Malley, Anthony J.: *See*—
Arranga, Edmund V., and Malley.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor-driven hand tool for making wrapped wire connections. 2,649,122, Aug. 18.

Mallina, Rudolph F., Hastings on Hudson, N. Y., and J. M. Melick, Cresskill, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Perforating system. 2,652,116, Sept. 15.

Mallinckrodt, Charles O., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor circuit. 2,647,957, Aug. 4.

Mallinckrodt Chemical Works, assignee: *See*—
Hodson, Layne O. and G., and Ross.
Homeyer, August H.
Homeyer, August H., and De La Mater.
Kruse, Harry J., and Mounce.
Mallinckrodt, Edward, Jr., and Ruehle.
Wallingford, Vernon H.

Mallinckrodt, Edward, Jr., St. Louis, and A. E. Ruehle, Kirkwood, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Preparation of ether. 2,639,243, May 19.

Mallinckrodt, George E., St. Louis, Mo. Rotary expansion engine. 2,638,880, May 19.

Mallinckrodt, George E., St. Louis, Mo. Rotary expansion engine. 2,649,080, Aug. 18.

Mallinckrodt, George E., St. Louis, Mo. Rotary power machine. 2,657,676, Nov. 3.

Mallinckrodt, Philip A., assignee: *See*—
Lewis, Henry E.

Mallinson, Dennis H., Fleet, assignor to Power Jets (Research and Development) Limited, London, England. Closed cycle elastic fluid compressor-turbine plant and control thereof. 2,642,721, June 23.

Mallinson, John H., Front Royal, and C. J. Geyer, Jr., Cedarville, Va., assignors to American Viscose Corporation, Wilmington, Del. Rotary disk type homogenizing mill. 2,652,201, Sept. 15.

Mallinson, John H., Front Royal, and C. J. Geyer, Jr., Cedarville, Va., assignors to American Viscose Corporation, Wilmington, Del. Homogenizing mill. 2,652,202, Sept. 15.

Mallon, Adelaide H., New York, N. Y. Telescopic handle. 2,660,457, Nov. 24.

Mallory, Donald D., assignor to Toledo Scale Company, Toledo, Ohio. Meat chopper. 2,655,967, Oct. 20.

Mallory, Edwin E., Cuyahoga Falls, assignor to National Rubber Machinery Company, Akron, Ohio. Ply stock magazine. 2,658,691, Nov. 10.

Mallory, George R., Blenheim, Ontario, Canada. Floor mop and attached wringer. 2,632,192, Mar. 24

Mallory, Louis V., Rock Island, Ill. Hoisting and stretching apparatus. 2,648,985, Aug. 18.

Mallory, Marion, Detroit, Mich. Shielded circuit breaker. 2,652,462, Sept. 15.

Mallory, Marion, Detroit, Mich. Ignition timing control means for internal-combustion engines. 2,659,353, Nov. 17.

Mallory, P. R., & Co., Inc., assignee: *See*—
Aust, Robert J., and Peek.
Fetter, William G., Wood, and Holt.
Golton, Robert.
Puerner, George O., Aust, and Tulauskas.
Suggs, Alfred M., and Dean.

Mallory, Roy, Coquille, Oreg. Manually actuated cable hoist. 2,655,342, Oct. 13.

Mallory-Sharon Titanium Corporation, assignee: *See*—
Roemer, James A., McKibben, and Corry.
Swazy, Earl F., Frever, and Busch.

Mallow, Charles, New York, N. Y. Means for illumination placement in photography. 2,632,952, Mar. 31.

Malloy, Paul J., assignor of one-half to P. V. Malloy, Lakewood, Ohio. Self-propelled mine roof prop. 2,644,311, July 7.

Malloy, Paul V., assignee: *See*—
Malloy, Paul J.

Malloy, Percy W., assignor of one-fourth to P. W. Rosten and one-fourth to R. T. Rosten, Madison, Wis. Seal for multiport rotary disk valves. 2,631,811, Mar. 17.

Malloy, William M., Stony Point, N. Y. P... holder for exterminating rodents. 2,651,13...

Mall Tool Company, assignee: *See*—
Mall, Arthur W.

Malm, Carl J., and L. W. Blanchard, Jr., a... Eastman Kodak Company, Rochester, N. Y. ... ture of cellulose acetate with sulfoacetic pre... 2,646,429, July 21.

Malm, Henry, New York, N. Y. Device for supp... actuating hypodermic syringes. 2,660,169, N...

Malm, Lawrence L., Rocky River, assignor to ... Rayon Corporation, Cleveland, Ohio. Sodi... recovery. 2,645,561, July 14.

Malm, William A. R., New Orleans, La. Radio... filter. 2,626,317, Jan. 20.

Malmberg, Earl W.: *See*—
Kropa, Edward L., and Malmberg.

Malmberg, Jonas A. G., Stockholm, Sweden. S... paratus. 2,637,902, May 12.

Malmberg, Paul R.: *See*—
Frederick, Edward R., and Malmberg.

Malmros, Gustav V. A.: *See*—
Gibbon, John H., Jr., Malmros, Engstrom, a...

Malmros, Gustav V. A., Binghamton, E. A. B... Johnson City, and J. R. Engstrom, Endicott, ... to International Business Machines Corpora... York, N. Y. Card punching machine. ... Feb. 10.

Malmros, Gustav V. A., Binghamton, and E. A. ... Johnson City, assignors to International Bu... chines Corporation, New York, N. Y. Mech... folding documents over the edge of cards. ... Feb. 10.

Malmrose, John P.: *See*—
Walterman, Frederick H., and Malmrose.

Malmvik, Elof, and E. Dunér, assignors to ... Mekaniska Werkstads Aktiebolag, Jonkoping... Centrifugal pump with sealing device. 2,663... 22.

Malnick, Mauray G., Sherman Oaks, assignor o... cent to S. Moss, Los Angeles, and fifty pe... I. Lynn, Beverly Hills, Calif. Registering ... 2,628,028, Feb. 10.

Malone, Grover C., East Point, Ga. Illuminat... 2,640,143, May 26.

Malone, Homer F., Millburn, assignor to The ... Company, Elizabeth, N. J. Thermostat cont... metal snap-acting element therefor. 2,632,82...

Malone, Ralph A.: *See*—
Lincoln, Clovis W., Zeigler, and Malone.

Malone, Raphael J., Seattle, Wash. Fillable ... for punching bags. 2,643,124, June 23.

Maloney-Crawford Tank & Manufacturing Co... signee: *See*—
Wilson, Samuel A.
Lincoln, Clovis W., Zeigler, and Malone.

Maloney, Harry P., Santa Ana, Calif. Double... ciprocating pump. 2,625,115, Jan. 13.

Maloney, John W.: *See*—
Dames, Trent R., Moore, and Maloney.

Maloney, Martin E., Flushing, assignor to Bell ... Laboratories, Incorporated, New York, N. Y. ... overload control. 2,657,273, Oct. 27.

Maloney, Milton F., Fairhaven, N. J. Device ... natingly interrupting the brake fluid pressur... lines. 2,660,266, Nov. 24.

Maloney, Norvin G., Newport, assignor to E. I. ... de Nemours & Company, Wilmington, Del. ... for weight classification. 2,661,091, Dec. 1.

Maloney, Thomas S., assignee: *See*—
Peterson, Clarence N.

Maloof, Leon S., Watertown, assignor to Lee ... Labs, Inc., Roxbury, Mass. Visual electron ... cator. 2,648,795, Aug. 11.

Maloof, Richard N., Las Vegas, N. Mex. Auton... ty switch. 2,644,051, June 30.

Malouf, Abraham M., Los Angeles, Calif. Key ... for lock caps. 2,660,877, Dec. 1.

Malowan, John E., Dayton, Ohio, assignor to ... Chemical Company, St. Louis, Mo. Nitr... phosphorus containing product and produc... 2,661,264, Dec. 1.

Malowan, John E., Dayton, Ohio, assignor to ... Chemical Company, St. Louis, Mo. Phospho... chloride-anhydrous ammonia reaction prod... water-soluble resin compositions for rendering ... materials fire resistant. 2,661,342, Dec. 1.

Malpede, Albert J.: *See*—
Vani, James, and Malpede.

Malstrom, Carl W., Kansas City, Mo. Interna... tion engine. 2,653,590, Sept. 29.

Malstrom, N. I., & Company, assignee: *See*—
Sunde, Conrad J.

Maltbie, Floyd V.: *See*—
Eberle, George A., Zuchowski, and Maltbie

Maltbie Laboratories, Inc., assignee: *See*—
Walter, Lewis A., Barry, and Clark.

Maltby, Frederick L., Naugatuck, assignor to T... Company, Waterbury, Conn. Safety means ... trical apparatus. 2,628,333, Feb. 10.

Malter, Louis, Brooklyn, N. Y., assignor to Radio... tion of America. Electron discharge device, ... cavity resonator. 2,637,004, Apr. 28.

Malter, Louis, Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device and system. 2,662,993, Dec. 15.

Malthaner, William A.: *See*—
Holbrook, Bernard D., Lundstrom, and Malthaner.
Lundstrom, Alexis A., and Malthaner.

Malthaner, William A., Summit, and H. E. Vaughan, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-speed electronic telephone switching system. 2,655,559, Oct. 13.

Malthaner, William A., Summit, N. D. Newby, Leonia, and H. E. Vaughan, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse position dialing system with direct time measuring apparatus. 2,658,188, Nov. 3.

Mammen, Howard E.: *See*—
Bloch, Herman S., and Mammen.

Mancini, Lory, Los Angeles, Calif. Illuminating device for telephone dials. 2,636,108, Apr. 21.

Mancini, Pat V., Lakewood, N. J. Dispenser for rolls of cotton. 2,645,543, July 14.

Mancke, Edgar B., Bethlehem, Pa., assignor to Bethlehem Steel Company. Nitric acid pickling. 2,643,204, June 23.

Manco Mfg. Co., assignee: *See*—
Northcutt, Walter E.

Mancuso, Emanuel, Burbank, Calif. Rotary and sliding bolt lock. 2,656,704, Oct. 27.

Manczek, Cashman, Aberdeen, Wash., and E. K. Lotthammer, Jamaica, N. Y., said Lotthammer assignor to said Manczek. Picture and mirror holder. 2,632,971, Mar. 31.

Mandel, Hyman J.: *See*—
Fischbach, Adolph, and Mandel.

Mandel, Jacob, Brooklyn, N. Y. Tissue dispensing device. 2,634,855, Apr. 14.

Mandel, Paul, assignor to La Radio-Industrie S. A., Paris, France. Wireless aerial. 2,650,984, Sept. 1.

Mandelburg, Benedict W., Scarsdale, N. Y. Heating boiler with vertical undulating flue. 2,633,107, Mar. 31.

Mandle, Earle R., assignee: *See*—
Key, Ellis W.

Mandolf, Henry I., assignor to Langley Corporation, San Diego, Calif. Fishing reel spool. 2,651,477, Sept. 8.

Manecke, Siegfried E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Clothes-drying apparatus. 2,654,961, Oct. 13.

Manecke, Siegfried E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deceleration signaling device. 2,655,892, Oct. 20.

Maneri, Remo R., assignor to Dow Corning Corporation, Midland, Mich. Stabilization of silicone rubber. 2,658,882, Nov. 10.

Manes, Milton, L. J. E. Hofer, and R. D. Hinkel, Pittsburgh, Pa. Production of high precision glass stopcocks. 2,648,179, Aug. 11.

Manetti, Mario J., and D. James, Chicago, assignors to E. G. Gantner, Morton Grove, Ill. Dispenser bracket. 2,648,516, Aug. 11.

Maney, George A., deceased, by M. D. Maney, executrix, assignor to M. D. Maney, Skokie, Ill. Prestressed concrete structural compression member. 2,660,049, Nov. 24.

Maney, Mabelle D., executrix, assignee: *See*—
Maney, George A.

Mangan, Paul C.: *See*—
Neal, Robert A., and Mangan.

Mangan, Paul C., Ridley Park, and R. A. Neal, Media, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selective fuel control for turbojet power plants. 2,649,905, Aug. 25.

Manganese Battery Corporation, assignee: *See*—
Fox, Abraham L.
Gullett, William W.

Manganese Chemicals Corporation, assignee: *See*—
Babbitt, Bernard R., and Kunz.

Mangham, Jesse R.: *See*—
Boyer, William P., and Mangham.

Mangieri, Ray A., New Kensington, Pa. Fluid fuel burner and paint scraper. 2,627,905, Feb. 10.

Mangold, Hans, Furth (Bavaria), Germany. Toy vehicle with movable figure. 2,645,056, July 14.

Manheim Manufacturing and Belting Company, assignee: *See*—
Ginder, Henry E.

Manifold Hot Spot Corporation, assignee: *See*—
Heinecke Hilary J.

Manion, Peter M., Portland, Oreg. Smoker's receptacle. 2,661,747, Dec. 8.

Maniscalco, Pietro, Chicago, Ill. Compressor. 2,629,543, Feb. 24.

Maniscalco, Pietro, St. Louis, Mo. Walker for invalids. 2,654,416, Oct. 6.

Manitowoc Shipbuilding Company, assignee: *See*—
Catlin, Arthur W.

Manka, Dan P.: *See*—
McIntire, Forrest L., and Manka.

Manke, George H., South Milwaukee, assignor to McGraw Electric Company, Milwaukee, Wis. Birdproof spark gap for distribution lines. 2,648,796, Aug. 11.

Mankin, Paul A., assignor to Bowser, Inc., Fort Wayne, Ind. Water separator. 2,657,808, Nov. 3.

Mankowich, Ivan: *See*—
Glenn, Harry D., and Mankowich.

Mankowich, Ivan, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Preparation of ketone-diarylamine condensates. 2,650,252, Aug. 25.

Mankowich, Ivan, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Preparation of ketone-diarylamine condensates. 2,657,236, Oct. 27.

Mankowich, Ivan, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Preparation of ketone-diarylamine condensates. 2,663,734, Dec. 22.

Manley, Gilbert E., Henley-in-Arden, England. Mechanism for converting reciprocating motion into rotary motion. 2,640,363, June 2.

Manley, Hugh M., and J. R. Faulkenberry, Huntsville, Ala.; said Faulkenberry assignor to said Manley. Metal awning. 2,632,213, Mar. 24.

Manley, Humes B., Powell, Wyo. Bubble tray water decanter. 2,652,238, Sept. 15.

Manley, John C., Barrington, R. I., assignor, by mesne assignments, to Reconstruction Finance Corporation, Boston, Mass. Electronic counter. 2,646,534, July 21.

Manley, Leo W.: *See*—
Otto, Ferdinand P., Manley, and White.

Manley, Robert T.: *See*—
Menning, Ralph H., and Manley.

Manley, Theodore M., Xenia, and R. P. Cherpeski, Dayton, Ohio. Modulated pulse remote control. 2,643,369, June 23.

Mann, Carl P., Riverton, N. J., assignor to Selas Corporation of America, Philadelphia, Pa. Method and apparatus for heating objects. 2,656,170, Oct. 20.

Mann, Carl P., Riverton, N. J., assignor to Selas Corporation of America, Philadelphia, Pa. Drier. 2,664,282, Dec. 29.

Mann, Estle R., and R. G. Hester, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Tachometer. 2,630,529, Mar. 3.

Mann, Fred A., Jr., South Bend, and J. F. Halladay, Elkhart, Ind. Laundry shake-out device. 2,635,370, Apr. 21.

Mann, Fredric R.: *See*—
Blatt, David H., and Mann.

Mann, Harvey T., assignee: *See*—
Bangsbergh, Lester R.

Mann, James U.: *See*—
Brass, Philip D., and Mann.

Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pump. 2,627,812, Feb. 10.

Mann, John, and R. P. Shuster, assignors to Goulds Pumps, Inc., Seneca Falls, N. Y. Self-priming centrifugal pump. 2,627,817, Feb. 10.

Mann, Julius W., Steilacoom Lake, Wash. Patch gluer utilizing high-frequency electricity. 2,625,969, Jan. 20.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Heating the interior of plastic preforms. 2,642,627, June 23.

Mann, Max, New York, N. Y. Conveyer marker. 2,636,436, Apr. 28.

Mann, Oliver, Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Exhaust head. 2,661,964, Dec. 8.

Mann, Oliver, Danvers, and R. B. Thomas, Beverly, assignors to Sylvania Electric Products Inc., Salem, Mass. Forming lamp filaments. 2,655,952, Oct. 20.

Mann, Ralph C., Van Nuys, and R. A. MacDonald, Gardenia, Calif., said MacDonald assignor to said Mann. Apparatus for uniting a plurality of metal parts by melting metal. 2,625,897, Jan. 20.

Mann, William: *See*—
Coombes, Joseph H., and Mann.

Mann, William H., and E. V. Schmidt, assignors to Hossfeld Manufacturing Company, Winona, Minn. Iron bending machine. 2,656,872, Oct. 27.

Mann, Zelvern W., assignor to The Meyercord Co., Chicago, Ill. Surface-covering tile. 2,637,995, May 12.

Mann, Zelvern W., assignor to The Meyercord Co., Chicago, Ill. Making surface-covering articles. 2,638,430, May 12.

Manne, Moe, New York, N. Y. Finger ring with spring guard. 2,641,909, June 16.

Mannes, Günter, Remscheid, assignor to F. Aug. Honneknovel, Remscheid-Bliedinghausen, Germany. Sawing, cutting, and rasping tool for woodworking. 2,652,075, Sept. 15.

Manney, Charles J., Kenmore, and W. H. Devonshire, Williamsville, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Traction chain and coupling. 2,663,347, Dec. 22.

Manning, Charles E., Birdsboro, and G. E. Walch, Pottstown, Pa., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Swab for tire assembly machines. 2,626,651, Jan. 27.

Manning, Clarence R., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Record perforation analyzing mechanism. 2,624,511, Jan. 6.

Manning, Clarence T., Eagle, Mich. Suction-type seed harvester. 2,627,713, Feb. 10.

Manning, Dave M., Hysham, Mont. Vertically adjustable truck trailer. 2,653,827, Sept. 29.

Manning, Edward M., assignor to Manning Radio Limited, Toronto, Ontario, Canada. Record turntable drive assembly. 2,647,408, Aug. 4.

Manning, Fred W., Palo Alto, Calif. Continuous molding of brassières and other three-dimensional articles. 2,644,779, July 7.

Manning, Howard H., assignor to Champion De Arment Tool Company, Meadville, Pa. Tool. 2,640,381, June 2.

Manning, Howard H., Meadville, Pa. Machine for cutting slant sided arcuate groove elements. 2,640,398, June 2.

Manning, Kent R.: *See*—
Chase, Corson W., and Manning.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Dayton, Russell W.
Eplett, Albert D., and Hopkins.
Holdeman, Lloyd H., and Hybarger.
Pech, Karl H.
Tobis, Robert A.

Manning, Oscar, assignor to Calay Manufacturing Co., Los Angeles, Calif. Shower head. 2,657,955, Nov. 3.

Manning Radio Limited, assignee: *See*—
Manning, Edward M.

Manning, William H., Birmingham, and K. L. Hulsing, Plymouth, assignors to General Motors Corporation, Detroit, Mich. Drive seal retainer. 2,653,728, Sept. 29.

Manoil, Jack, assignor to Manoil Manufacturing Co., Inc., Waverly, N. Y. Toy fence and elements. 2,637,934, May 12.

Manoil Manufacturing Co., Inc., assignee: *See*—
Manoil, Jack.

Manoogian, Harold M., assignor to The Stanley Works, New Britain, Conn. Connecting means for tubular sections. 2,643,901, June 30.

Mansell, Leland R.: *See*—
Wallace, De Yarman, and Mansell.

Mansen, Harry, Barrington, assignor to Elgin Softener Corporation, Elgin, Ill. Multiport valve. 2,644,484, July 7.

Man-Sew Corporation, assignee: *See*—
Sigoda, Victor J.

Mansfield, Ernest J., Lower Sydenham, London, assignor to W. Edwards & Co. (London) Limited, London, England. Cone and socket pipe joint with cooperating locking lug. 2,664,303, Dec. 29.

Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Work position responsive control mechanism. 2,625,061, Jan. 13.

Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Forging a headed element. 2,656,739, Oct. 27.

Mansfield, Judson H., and E. C. Swanson, assignors to Greenlee Bros. & Co., Rockford, Ill. Ratchet spiral screw driver. 2,664,126, Dec. 29.

Mansfield, Richard C.: *See*—
Schmidle, Claude J., and Mansfield.

Mansfield Sanitary Pottery, Inc., assignee: *See*—
Smith, Harry F.

Mansfield, Warren M., Glendale, Calif., assignor, by mesne assignments, to Cutter Corporation, Hair trimmer. 2,641,055, June 9.

Mansfield, Wilfred P., Slough, assignor to Sir W. G. Armstrong Whitworth & Company (Engineers) Limited, London, England. Means for actuating valves and other reciprocating parts. 2,641,236, June 9.

Mansfield, Wilfred P., and J. White, Slough, assignors to Sir W. G. Armstrong Whitworth & Company (Engineers), Limited, London, England. Resonating combustion power gas generator. 2,650,472, Sept. 1.

Mansfield, Wilfred P., and A. H. Cornish, Slough, assignors, by mesne assignments, to National Research Development Corporation, London, England. Balanced pressure pickup. 2,656,722, Oct. 27.

Mansmann, Raymond P., Pittsburgh, Pa. Refrigerated truck body. 2,663,163, Dec. 22.

Mansoff, Arthur P., Dauphin, Manitoba, assignor to O. C. Steele, Kelowna, British Columbia, Canada. Battery heater. 2,626,971, Jan. 27.

Manson, Harry G., assignor to Hansen Manufacturing Company, Princeton, Ind. Clock frame connecting device. 2,635,415, Apr. 21.

Mansour, Joseph N.: *See*—
Wilmot, Charles M., and Mansour.

Mansperger, Richard C., North Kansas City, Mo. Soap dispenser. 2,655,290, Oct. 13.

Mansson, Martin S., Long Island City, N. Y. Automatic stop for sewing machines. 2,643,305, June 23.

Mansson, Martin S., Long Island City, N. Y. Tape cutting machine. 2,659,435, Nov. 17.

Mantell, Frank, Detroit, Mich. Dispensing apparatus for measuring and delivering a plurality of liquids. 2,639,060, May 19.

Mantes, T. R., assignee: *See*—
Brown, Robert B.

Mantes, T. R., Company, assignee: *See*—
Brown, Robert B.

Manteuffel, Allan, Union, G. R. Cook, Northfield, and W. D. Gilson, Crystal Lake, assignors to The Pure Oil Company, Chicago, Ill. Removing active sulfur from sulfurized organic compounds. 2,655,469, Oct. 13.

Mantle, Thomas D., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Spring anchor and pivot pin lock. 2,635,928, Apr. 21.

Manton-Gaulin Manufacturing Company, Inc., assignee: *See*—
Rees, Lancelot H.

Manuel, Charles J., Durham, N. H., assigno
Business Forms, Inc., Niagara Falls, N.
drawer for autographic registers. 2,632,68

Manufacturers Chemical Corporation, assigne
Fischer, Johannes.

"Manufacture de c/c Michelin," assignee: *See*—
Bourdon, Pierre M.

Manufacture de Caoutchouc Michelin (Puiseux & Cie), assignee: *See*—
Bourdon, Pierre M.

Manufacturers Processing Co., assignee: *See*—
Jones, Harry H., and White.

Manufacturers and Traders Trust Company, Th
See—
Wilson, Frank C.

Manufacturers and Traders Trust Company, Th
assignee: *See*—
Wilson, Frank C., and Silliman.

Man-U-Tech, Inc., assignee: *See*—
Thompson, James C.

Manville, Charles J., Pontiac, Mich. Backflow
unit for dishwashing apparatus. 2,652,850,

Manzano, Heinrich: *See*—
Hönel, Herbert, and Manzano.

Manzella, Joseph, Lindenhurst, N. Y. Bob
2,626,062, Jan. 20.

Maquat, Lloyd E. *See*—
Lomazzo, Edmund J., and Maquat.

Maramonte, Michael D., Milwaukee, Wis. Bl
machine. 2,648,115, Aug. 11.

Marancik, Frank G., Union, and J. A. La
Cranford, N. J., assignors to Standard Oil I
Company. Offshore ship unloading facilitie
pressure fluids. 2,648,201, Aug. 11.

Marano, Herbert W., Brooklyn, N. Y., assigno
Jones Company, Chicago, Ill. Staplin
2,624,878, Jan. 13.

Marano, Herbert W., Brooklyn, N. Y., assigno
Jones Company, Chicago, Ill. Envelope and
therefor. 2,625,935, Jan. 20.

Marano, Herbert W., Brooklyn, N. Y., assigno
Jones Company, Chicago, Ill. Loose-leaf she
2,633,373, Mar. 31.

Marano, Herbert W., Brooklyn, N. Y., assigno
Jones Company, Chicago, Ill. Staple suppo
feed means for stapling machines. 2,637,

Marano, Herbert W., Brooklyn, N. Y., assigno
Jones Company, Chicago, Ill. Staple
2,638,313, May 12.

Marasco, Vincent, Los Angeles, Calif. Pince
locking means. 2,635,496, Apr. 21.

Marasco, Vincent, Los Angeles, Calif. Kni
for fruit slicers. 2,645,262, July 14.

Marasigan, Conrado S., Fort Monmouth, N. J.
2,629,498, Feb. 24.

Marathon Coal Bit Company, Inc., assignee
Stephens, Henry M.

Marathon Corporation, assignee: *See*—
Broeren, Frank L.
Broeren, Frank L., Kruger, and Jones.
Goers, Edwin C.
Mueller, William G., Cherepow, Bartes, Pfaff, Harold A.
Rumberger, George G.
Wiles, Everett R., Meyers, and Coffman.

Marble, B. L., Chair Company, The, assignee: Pettibone, Charles L.

Marble, Jarvis C., trustee, assignee: *See*—
Boestad, Gustav K. W., and Eriksson.
Boestad, Gustav K. W., and Lindhagen.
Lindhagen, Teodor L., and Nilsson.
Mudersbach, Ernst H.
Nilsson, Hans R., and Lindhagen.
Nilsson, Hans R., and Trulsson.

Marblehead Lime Company, assignee: *See*—
Tanski, Edwin S.

Marburg, Edgar, Pittsburgh, Pa., assignor to U
Steel Company. Ingot mold. 2,626,436, J

Marburg, Edgar, Pittsburgh, Pa., assignor
States Steel Corporation. Ingot mold.
June 16.

Marbury, Ralph E., Pittsburgh, assignor to W
Electric Corporation, East Pittsburgh, Pa.
ventilating system for electrical devices.
Apr. 28.

Marbury, Ralph E., Pittsburgh, assignor to W
Electric Corporation, East Pittsburgh, Pa.
system for series capacitors. 2,660,693, No

Marcalus, Nicholas, West Englewood, N. J.
of short paper rolls from long paper rolls.
Aug. 4.

Marcelli, Attilio, Plainview, Ill. Syrin
2,627,857, Feb. 10.

Marcellus, Ada C., New York, N. Y. Eyelash
mascara applicator and remover. 2,635,61

Marchal, Raymond H.: *See*—
Bertin, Jean H., and Marchal.

Marchand, Adolph, Jackson Heights, N. Y. Sa
stall door lock. 2,632,537, Mar. 24.

Marchand, Adolph, Jackson Heights, N. Y.
towel bar. 2,649,971, Aug. 25.

Marchand, André, Bern, Switzerland, assig
Race Finish Recording Company Limited, L
land. Time recording device. 2,646,334,

Marchand, Charles, Company, assignee: *See*—
Lipman, Frederick M.

Marchand, Enrique J., Buenos Aires, Argentina. Apparatus for exhibiting diverse articles. 2,636,613, Apr. 28.

Marchand, John F., New York, N. Y. Dialyzer. 2,664,395, Dec. 29.

Marchand, Joseph A., and J. Platis, Corpus Christi, Tex. Apparatus for determining the orientation of underground strata from core samples. 2,634,317, Apr. 7.

Marchand, Nathan: *See*—
Cloud, Jerry L., and Marchand.

Marchand, Nathan, assignor, by mesne assignments, to Technicon Cardiograph Corporation, New York, N. Y. Multiple-lead electrocardiographs. 2,627,267, Feb. 3.

Marchand, Nathan, assignor to Technicon Cardiograph Corporation, New York, N. Y. Electrocardiograph with continuous record means. 2,630,797, Mar. 10.

Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Shiftable directional antenna. 2,640,192, May 26.

Marchant Calculators, Inc., assignee: *See*—
Avery, Harold T.

Marchant, Francis C. L., and J. E. Bell, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Apparatus for preventing or reducing the formation of ice on the air ducts of gas turbine engines. 2,654,992, Oct. 13.

Marchant, Francis C. L., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Braking aircraft. 2,658,334, Nov. 10.

Marchant, Lee L., Takoma Park, assignor to Engineering & Research Corporation, Riverdale, Md. Anvil and stripper for punching and riveting machines. 2,627,766, Feb. 10.

Marchese, Anthony, Milwaukee, Wis. Folding boom crane combination. 2,649,210, Aug. 18.

Marchese, Mary, New York, N. Y. Garment pad for hosiery garters. 2,642,578, June 23.

Marchese, Vincent J., New York, N. Y. Selectable switching means for stand lamps. 2,632,098, Mar. 17.

Marchetti, Romano, Lecco, Italy. Device for suspending conductors or similar objects from load ropes. 2,651,484, Sept. 8.

Marchienda, Tony F., Struthers, Ohio. Garment bag supporting and elevating device. 2,628,755, Feb. 17.

Marchisio, Robert G., Wenham, assignor to Sylvania Electric Products Inc., Salem, Mass. Mounting plate for fixtures employing elongated tubular lamps. 2,645,708, July 14.

Marchisio, Robert G., Wenham, assignor to Sylvania Electric Products Inc., Salem, Mass. Supporting latch for lighting fixtures. 2,646,498, July 21.

Marchment, William T., Chiswick, London, assignor to Evershed & Vignoles Limited, London, England. Apparatus for indicating the displacement of an object from a datum position. 2,632,330, Mar. 24.

Marchus, Amos H., Oakland, Calif. Cleaning head for mops. 2,638,615, May 19.

Marcinkowski, Eugene A., Detroit, Mich. Combined plumb and level. 2,635,351, Apr. 21.

Marcks, O. D., assignee: *See*—
Carlson, Emil.

Marco Chemicals, Inc., assignee: *See*—
Muskat, Irving E.

Marco Company, Inc., assignee: *See*—
Marco, John.

Marco, Frederick J., Des Plaines, Ill. Television tuner. 2,646,513, July 21.

Marco, George P., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Control system for transmissions. 2,658,403, Nov. 10.

Marco Industries Company, assignee: *See*—
Lovejoy, Rex E., Smith, Harrington, and Harter.

Marco, John, Wilmington, Del. Machine for the continuous application of foam rubber cushioning to a carpet. 2,641,296, June 9.

Marco, John, Wilmington, Del. Mixing valve. 2,650,792, Sept. 1.

Marco, John, assignor to Marco Company, Inc., Wilmington, Del. Machine and process for producing latex foam continuously. 2,650,804, Sept. 1.

Marco, John L., Kew Gardens, assignor to Goodman-Kleiner Company, Inc., New York, N. Y. Surgical forceps. 2,638,097, May 12.

Marconi, Paul G.: *See*—
McCabe, Joseph B., and Marconi.

Marconi's Wireless Telegraph Company Limited, assignee: *See*—
Beard, John V.
Clough, Newsome H.
Cooper, Victor J., and Nixon.
Grisdale, George L.
Mortley, Wilfrid S.
Rich, Charles W.
Starks-Field, Alfred B.

Marcoux, Melvin W., assignor to Armour and Company, Chicago, Ill. Germicidal detergent composition. 2,658,873, Nov. 10.

Marcoz, Jean A. E., Rueil-Malmaison, France. Electric switch. 2,647,969, Aug. 4.

Marcucci, Marino, Englewood, N. J. Attachment for twist drills: 2,661,642, Dec. 8.

Marcus, Jerome, assignee: *See*—
Burke, James P.
Larsen, Elner W., and Marcus.

Marcus, Max J., New York, N. Y. Fused electric connector. 2,649,522, Aug. 18.

Marcus, William, Cleveland, Ohio. Window construction. 2,663,055, Dec. 22.

Marcy, Grosvenor D., Newton, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Apparatus and process for vulcanizing strip stock. 2,649,617, Aug. 25.

Marden, John W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of refractory metal tubes. 2,652,623, Sept. 22.

Mareček, Vladimir, assignor to United UP Works, National Corporation, Brunn, Czechoslovakia. Center extension table with hinged leaves and actuated rims. 2,631,910, Mar. 17.

Marechal, Georges, Theux, Belgium. Automatic drinking trough. 2,642,839, June 23.

Marek, Frank, Phoenix, Ariz. Drive mechanism for soil sampling apparatus. 2,625,835, Jan. 20.

Maresca, Peter T., Asbury Park, and I. Stokes, Red Bank, N. J., assignors to the United States of America as represented by the Secretary of the Army. Double pulse gas tube modulator. 2,644,157, June 30.

Maresch, Daniel A., Watertown, Mass. Reversible circuit timing controller. 2,631,206, Mar. 10.

Marfisi, John, Omaha, Nebr. Hollow revolving illuminated spotlight sphere. 2,629,044, Feb. 17.

Margand, Louis, assignor to L. Braun, Paris, France. Guiding device for sewing machines. 2,657,655, Nov. 3.

Margison, Arthur D., Toronto, Ontario, Canada. Fuselage embracing hangar door. 2,651,359A, Sept. 8.

Margles, Samuel G., Brooklyn, assignor to Otis Elevator Company, New York, N. Y. Moving stairway handrail supporting device. 2,660,286, Nov. 24.

Margles, Samuel G., Brooklyn, N. Y., and A. Fabula, Hohokus, N. J., assignors to Otis Elevator Company, New York, N. Y. Moving stairway. 2,663,400, Dec. 22.

Margo, Murray, Hawthorne, Calif. Combination door lock. 2,640,344, June 2.

Margon Corporation, assignee: *See*—
Lee, Joseph L.
Samolewitz, Hans W.

Margulis, Joseph M., Philadelphia, Pa., assignor to Jiffy Enterprises, Inc. Wall supported hanger. 2,647,711, Aug. 4.

Marhofer, Edwin G., Fredonia, Kans., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drying oil compositions. 2,653,956, Sept. 29.

Marhofer, Edwin G., Fredonia, Kans., assignor to Phillips Petroleum Company. Insecticidal compositions containing 1,2-dichloro-4(α,β-dichloroethyl)-cyclohexane and using the same. 2,658,017, Nov. 3.

Mariani, Frank N., New York, N. Y. Table lighter. 2,624,187, Jan. 6.

Mariani, Frank N., New York, N. Y. Tank cap. 2,657,824, Nov. 3.

Mariani, Frank N., Washington Heights, N. Y. Tobacco smoking pipe. 2,631,591, Mar. 17.

Mariani, Marco: *See*—
Schunk, Frederick A., and Mariani.

Mariblast Corporation, assignee: *See*—
Berg, Ralph R.

Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Belt buckle. 2,651,090, Sept. 8.

Marien, Melvin W., assignor to Ramsey Corporation, St. Louis, Mo. Piston ring. 2,650,869, Sept. 1.

Marien, Melvin W., assignor to Ramsey Corporation, St. Louis, Mo. Piston packing ring. 2,656,228, Oct. 20.

Marihart, Donald J., Carnation, Wash. Phase comparison electronic relay protective system. 2,641,634, June 9.

Marihart, Leo A., Monterey County, assignor to M. P. H. Industries, Palo Alto, Calif. Tractor mounted plant thinning machine. 2,633,785, Apr. 7.

Marine Aircraft Corporation, The, assignee: *See*—
McCarty, Lewis C., Jr., and Fello.

Marine Products Company, assignee: *See*—
Weyer, Ferdinand M.

Marinelli, Joseph, Orange, assignor to Bendix Aviation Corporation, Teterboro, N. J. Solenoid operated pilot valve and main valve. 2,663,319, Dec. 22.

Marino, Anthony: *See*—
Blockert, Ernest B., and Marino.

Marino, Inc., assignee: *See*—
Fowler, Chester C.

Marino, Mariano, Rochester, N. Y. Belt buckle. 2,634,482, Apr. 14.

Marion, Ernest S., Walsh, Colo. Motor vehicle air conditioner. 2,657,027, Oct. 27.

Marion, Kenneth O., Detroit, Mich. Wire reeling machine. 2,650,771, Sept. 1.

Mariotte, Eugene S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Bar stock feeding mechanism. 2,630,909, Mar. 10.

Marisic, Milton M., Northbrook, Ill., assignor, by mesne assignments, to Food Machinery and Chemical Corporation, New York, N. Y. Manufacture of carbon disulfide. 2,636,810, Apr. 28.

Marisic, Milton M., Northfield, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing an inorganic oxide gel. 2,647,875, Aug. 4.

Mariska, Milton J., Grand Rapids, Minn. Engine block heater. 2,627,258, Feb. 3.

Mark, Franz, Perchtoldsdorf, near Vienna, assignor to C. Herzstark, Feldkirch, Vorarlberg, Austria. Accumulator-carriage and drive-shaft interlock for miniature-type calculating machines. 2,661,155, Dec. 1.

Mark, Louis S., Brooklyn, assignor to Mark-Sambar, Inc., New York, N. Y. Adjustable table cover. 2,637,136, May 5.

Mark, Richard S.: *See*—
Drake, Edward P., and Mark.

Mark-Sambar, Inc., assignee: *See*—
Mark, Louis S.

Mark, Vennice E., and L. L. Anderson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Magnetic door closure and seal. Re. 23,636, Mar. 24.

Markarian, Mousby: *See*—
Brooks, Lester A., Markarian, and Nazzewski.
Ross, Sidney D., and Markarian.
Ross, Sidney D., Markarian, and Nazzewski.
Ross, Sidney D., Markarian, and Schroeder.

Marke, Douglas J. B., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Alkali metal nitrite and ammonium salt of an inorganic acid gas generating composition containing a vaporizable pesticide. 2,633,444, Mar. 31.

Markel Electric Products, Inc., assignee: *See*—
Schweitzer, Erich.

Markel, John M.: *See*—
Geraldson, Gerald, and Markel.

Markem Machine Company, assignee: *See*—
Harvey, Bertrand G.
Putnam, David F., Robbins, and Meyers.
Robbins, Charles F.
Robbins, Charles F., and Harvey.

Market Forge Company, assignee: *See*—
Binding, Kenneth W.

Markey, Arthur E., Detroit, Mich. Inventory by color and model board for automobiles. 2,627,682, Feb. 10.

Markkula, Armas C.: *See*—
Gallant, Alfred E., and A. C. and R. F. Markkula.

Markkula, Raymond F.: *See*—
Gallant, Alfred E., and A. C. and R. F. Markkula.

Markle, Frederick J., Tujunga, Calif. Signal for vehicles. 2,655,643, Oct. 13.

Markley, George E., Cleveland Heights, Ohio. Furnace for heating crucibles and the like. 2,656,171, Oct. 20.

Markley, Richard, assignor to Dairy Equipment Company, Madison, Wis. Milk cooler. 2,661,607, Dec. 8.

Marko, Adolf: *See*—
Holzer, Wolfgang, and Marko.

Marko, Adolf, and K. Kordesch, Vienna, Austria. Device for measuring the discharge voltage of galvanic cells. 2,662,211, Dec. 8.

Markovich, George, Akron, Ohio. Washing and drying machine. 2,651,892, Sept. 15.

Markovich, William J., Detroit, Mich. Ratchet operated socket wrench. 2,649,823, Aug. 25.

Markowitz, Albert A., Bronx, N. Y. Magnetic holder for pencils. 2,644,212, July 7.

Markowitz, Jesse, Forest Hills, N. Y. Vibration isolator. 2,642,253, June 16.

Marks, Alvin, New York, N. Y. Crystallizing apparatus. 2,651,564, Sept. 8.

Marks, Alvin and M., New York, N. Y. Laminating lenses. 2,632,725, Mar. 24.

Marks, Alvin M., Beechhurst, N. Y. Heat-electrical power conversion through the medium of a charged aerosol. 2,638,555, May 12.

Marks, Charles B.: *See*—
Tenney, William L., and Marks.

Marks, Charles L., Pittsfield, Mass., assignor to General Electric Company. High-pressure seal for cable end terminals. 2,650,259, Aug. 25.

Marks, Mortimer: *See*—
Marks, Alvin and M.

Marks, Robert V., assignor to M. M. Parma, and V. G. Pimsner, Cleveland, Ohio, copartners doing business as Quality Engineering Company. Sewer obstacle remover. 2,626,404, Jan. 27.

Marks, Saul H., Brooklyn, assignor to Phoenix Closet Accessories, Inc., New York, N. Y. Self-opening flap for garment bags. 2,633,235, Mar. 31.

Marks, Saul H., Brooklyn, assignor to Phoenix Closet Accessories, Inc., New York, N. Y. Knockdown shelving. 2,639,819, May 26.

Marks, Theodore, and J. and L. M. Jimenez, Bronx, N. Y., assignors to American Brush Machinery Co., Inc. Brush trimming and bending machine. 2,643,156, June 23.

Marks, Theodore, Jr., Drexel Hill, Pa. Hotbox indicator and signal. 2,634,058, Apr. 7.

Marks, William J., Des Moines, Iowa. Fluid pump. 2,648,288, Aug. 11.

Markson, Alfred A., Mount Lebanon Township, Allegheny County, assignor to Hagan Corporation, Pittsburgh, Pa. Totalizing device provided with adjustable double-acting fulcrums. 2,631,599, Mar. 17.

Markson, Alfred A., Mount Lebanon Township, Allegheny County, assignor to Hagan Corporation, Pittsburgh, Pa. Regulating apparatus. 2,634,747, Apr. 14.

Markson, Alfred A., Mount Lebanon, assigno
assignments, to Hagan Corporation, Pitt
Vibration damped force measuring device
phragm type provided with a valve for au
applying a pressure to the diaphragm s
balance the force. 2,648,345, Aug. 11.

Markson, Alfred A., Mount Lebanon Township
County, assignor to Hagan Corporation,
Pa. Fluid-counterbalanced force measur
2,662,539, Dec. 15.

Markuc, Anton J.: *See*—
Petersen, Paul, and Markuc.

Markus, George: *See*—
Knee, Simon, and Markus.

Markusen, Andrew, Petaluma, and J. S. Bah
grove, Calif. Egg washing machine and roll
2,632,901, Mar. 31.

Markusen, David L., assignor to Minneapoli
Regulator Company, Minneapolis, Minn. El
ternating current amplifier. 2,626,324, Jan.

Markwood, Paul W., Lowland, Tenn., assignor
Enka Corporation, Enka, N. C. Apparatus
unwinding yarn. 2,650,042, Aug. 25.

Marland, Frank H., New Bedford, assignor
to R. F. Marland, North Dartmouth, Mas
ment for pipe bits. 2,651,308, Sept. 8.

Marland, Joseph A.: *See*—
Hoge, Frederick H., and Marland.

Marland, Robert F., assignee: *See*—
Marland, Frank H.

Marlatt, Paul E., A. R. Hanze, A. V. McIntos
R. H. Levin, assignors to The Upjohn Com
mazoo, Mich. Steroid ketone adducts. 2,6
13.

Marley Company, Inc., The, assignee: *See*—
Mart, Leon T.

Marlin Electric Company, assignee: *See*—
Bress, Myer.

Marling, Paul E., and A. R. Hempel, Dayto
signors to Monsanto Chemical Company, St.
Oil modified alkyd resins from degummed soy
mono-pentaerythritol. 2,637,707, May 5.

Marling, Paul E., and A. R. Hempel, Dayton
signors to Monsanto Chemical Company, St.
Pentaerythritol-degummed soybean oil-mod
resins. 2,637,708, May 5.

Marlow, Alfred S., Jr., Ridgewood, N. J. S
pump. 2,653,546, Sept. 29.

Marlow, John C., Mankato, Minn. Delayed-acti
valve. 2,625,948, Jan. 20.

Marlow, Owen W., Rock Island, Ill. Mechan
2,650,819, Sept. 1.

Marlow, Owen W., Rock Island, Ill. Rammer.
Dec. 1.

Marlowe, Elbert W., Pittsburgh, and P. M.
Duquesne, Pa., assignors to Westinghouse
Company. Space intrusion detection system.
Aug. 18.

Marman Products Company, Inc., assignee: S
Christophersen, Clarence E.
Christophersen, Clarence E., and Mahoff.
Jessup, Richard O.

Marmor, Adrian, Philadelphia, assignor to Hale
Co., Conshohocken, Pa. Spraying apparatus.
Mar. 31.

Marnon, Donald E., Phillipsburg, N. J., and F. C
Easton, Pa., assignors to General Aniline &
poration, New York, N. Y. Wetting to
2,651,936, Sept. 15.

Maron, Meyer, Passaic, assignor to Allen B.
Laboratories, Inc., Clifton, N. J. Direct curr
adjustment. 2,631,199, Mar. 10.

Maron, Meyer, Passaic, assignor to Allen B.
Laboratories, Inc., Clifton, N. J. Compensa
fier for cathode-ray tubes. 2,631,260, Mar. 1

Maron, Meyer, Passaic, assignor to Allen B.
Laboratories, Inc., Clifton, N. J. Adjust
trace-positioning amplifier. 2,647,174, July

Maron, Meyer, Passaic, assignor to Allen B.
Laboratories, Inc., Clifton, N. J. Direct curre
adjustment. Re. 23,707, Sept. 1.

Marong, Michael P., Warsaw, N. Y. Ball and r
2,644,270, July 7.

Marple, Rollo, assignor to Hancock Manufactu
pany, Jackson, Mich. Latch mechanism.
Oct. 13.

Marquaire, Charles, La Tronche, assignor
d'Electro-Chimie d'Electro-Metallurgie et de
Electriques d'Ugine, Paris, France. Manu
permanent magnets. 2,660,522, Nov. 24.

Marquardt Aircraft Company, assignee: *See*—
Drake, John A.

Marquardt, Alfred E., Oconto Falls, Wis. Stora
transporting cart. 2,626,972, Jan. 27.

Marquardt, John A., Elmhurst, assignor, by
signments, to Burgess-Manning Company, L
Ill. Ventilating system. 2,651,250, Sept.

Marquardt, Max, East Greenwich, R. I. Manu
flexible chains. 2,650,469, Sept. 1.

Marquette Manufacturing Co., assignee: *See*—
Holmberg, Henry.

Marquette Metal Products Company, The, assignee: *See*—
Gorske, Stanley F.
Greenlee, Harry R.
Moulton, Lloyd J.
Sacchini, Columbus R.

Marquez, Charles L., Jr., Jersey City, and E. A. Kazmierski, Bernardsville, N. J., assignors to The Babcock & Wilcox Company, New York, N. Y. Fluid cooled furnace. 2,637,306, May 5.

Marquis, Donald P.: *See*—
French, Oliver S., and Marquis.

Marquis, Donald P., Ferndale, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Idler arm. 2,660,905, Dec. 1.

Marr, Thurman L., assignee: *See*—
Loe, Ira G.

Marra, Daniel A., Cheswick, Pa. Gas torch tip having protective terminal shoe. 2,635,988, Oct. 20.

Marrian, Stanley F., Ardrossan, and A. McLean, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Production of poly-pentaerythritols. 2,651,663, Sept. 8.

Marrier, Andrew J., assignee: *See*—
Marrier, George E.

Marrier, George E., assignor of fifty per cent to A. J. Marrier, Burlington, Vt. Pouring spout attachment. 2,636,650, Apr. 28.

Marriott, Harold G., Ouaquaga, N. Y. Self-inking rubber stamp pad. 2,654,342, Oct. 6.

Marrits, Murray J., New York, N. Y. Telephone desk secretary. 2,626,479, Jan. 27.

Marro, Domenico A., Rutland, Vt. Air-heating furnace with baffled annular air-heating passageway. 2,646,033, July 21.

Marrow, Sidney H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Dry rectifier assembly. 2,651,745, Sept. 8.

Mars-Hall, Incorporated, assignee: *See*—
Marshall, Richard C.

Mars, Incorporated, assignee: *See*—
Clement, Ernest C.
Morrison, Robert F.

Marsal, Paul A., Rocky River, and R. P. Fox, Cleveland, Ohio, assignors to Union Carbide and Carbon Corporation. Venting primary battery. 2,632,784, Mar. 24.

Marsal, Paul A., Rocky River, Ohio, assignor to Union Carbide and Carbon Corporation. Commutator. 2,645,732, July 14.

Marsal, Paul A., Rocky River, Ohio, assignor to Union Carbide and Carbon Corporation. Commutator. 2,645,733, July 14.

Marschall, Franz, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. 4-amino and 4-chloro phenyl-2-thienyl ketones. 2,651,640, Sept. 2.

Marschall, John W.: *See*—
Kellgren, Waldo, and Marschall.

Marschat, Arthur G., Whitestone, N. Y. Writing board lamp and paper holder. 2,658,989, Nov. 10.

Marschner, Charles F., Normandy, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Rapid connect and disconnect fastening means. 2,662,260, Dec. 15.

Marsden, Aaron, Brooklyn, N. Y. Registry and side guide marker. 2,640,416, June 2.

Marsden, George B., Chicago, assignor to Chicago Nipple Manufacturing Company, Cicero, Ill. Feed mechanism for nipple threading machines and the like. 2,626,409, Jan. 27.

Marsden, George B., assignor to Chicago Nipple Manufacturing Company, Chicago, Ill. Feeding mechanism for nipple threading machines and the like. 2,637,051, May 5.

Marsden, George B., Chicago, assignor to Chicago Nipple Manufacturing Company, Cicero, Ill. Feed mechanism for nipple threading machines and the like. 2,651,791, Sept. 15.

Marsden, George B., Cicero, Ill., assignor to Chicago Nipple Manufacturing Company. Differential cylinder with toggle lock. 2,659,207, Nov. 17.

Marsden, James H.: *See*—
Marsden, Morris B., Jr., and J. H.

Marsden, Morris B., Jr., and J. H., Broadview, Ill. Ratchet wrench. 2,641,136, June 9.

Marsden, Ross S., Jr.: *See*—
De Bisblanc, Deslonde R., and Marsden.

Marsh, Allan O., Los Angeles, Calif. Loose-leaf binder. 2,644,456, July 7.

Marsh, Allan O., Los Angeles, Calif. Sheet stock punch head housing. 2,660,245, Nov. 24.

Marsh, Alonzo K., Ridgewood, and J. Weimont, Bogota, N. J., assignors to A. Kimball Company, New York, N. Y. Machine for marking tags of different styles. 2,638,038, May 12.

Marsh, Alvin C., Sr., New Philadelphia, Ohio. Wall or ceiling panel. 2,630,604, Mar. 10.

Marsh, Clee O., Jr., Nutley, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Circuit for minimizing the effects of noise in television signals. 2,631,230, Mar. 10.

Marsh, Clifford J., Houston, Tex., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Preparation of engraved rubber printing plates. 2,653,871, Sept. 29.

Marsh, Daniel W., Oakland, Calif., assignor to Mineral Pigments Corporation, Muirkirk, Md. Producing red unhydrated iron oxide. 2,633,407, Mar. 31.

Marsh, Dean: *See*—
Grummitt, Oliver J., Blank, and Marsh.

Marsh, Frank D., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Copolymers of vinyl esters and tertiary amino nitrogen-containing compounds and producing same. 2,628,221, Feb. 10.

Marsh, Herbert S., Santa Monica, Calif. Golf bag support. 2,633,317, Mar. 31.

Marsh, Lynn W., Jr., United States Army, Arlington, Va. Ring circuit. 2,636,078, Apr. 21.

Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-aminopyridine and 2-aminoquinoline. 2,643,256, June 23.

Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of ammonium nitrilotrisulfate. 2,656,252, Oct. 20.

Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine thiocyanate. 2,658,917, Nov. 10.

Marsh, Stanley W., Valley Falls, Kans. Mechanical cement trowel or floater. 2,630,048, Mar. 3.

Marsh Stencil Machine Company, assignee: *See*—
Hempel, Herbert W.
Hempel, Herbert W., and Calabrese.
Hempel, Herbert W., and Marsh.

Marsh, Stewart E., Windgap, Pa. Aligning device. 2,636,274, Apr. 28.

Marsh, Walter H., Crafton, and W. I. Smith, Wilkinsburg, assignors to Rockwell Manufacturing Company, Pittsburg, Pa. Control means for hydraulic pump and motor systems. 2,635,428, Apr. 21.

Marsh, Walter H., Crafton, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Piston type fluid meter. 2,627,250, Feb. 3.

Marsh, Walter H., Crafton, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Hydraulic mechanism. 2,632,400, Mar. 24.

Marsh, Walton C.: *See*—
Hempel, Herbert W., and Marsh.

Marsh, William S., New Brunswick, R. L. Mayer, Summit, R. P. Mull, East Orange, C. R. Scholz, Summit, and R. W. Townley, Chatham, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Antibiotic and preparing same. 2,633,445, Mar. 31.

Marshall, Charles W.: *See*—
Crabtree, John O., and Marshall.

Marshall, Donald E., Clifton, N. J., assignor of Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignitron. 2,651,737, Sept. 8.

Marshall, Donald E., Summit, N. J., assignor to Micro Processing Equipment, Inc., Des Plaines, Ill. Process and apparatus for continuously processing and extruding plasticizing materials. 2,640,033, May 26.

Marshall, Donald E., and J. A. Harrington, Minneapolis, and R. L. Crane, Glen Lake, Minn., assignors to Micro Processing Equipment Inc., Des Plaines, Ill. Method and apparatus for cold milling soap and other materials. Re. 23,760, Dec. 29.

Marshall, Douglas W.: *See*—
Ballard, Archibald H., and Marshall.

Marshall, Edward W. and F. V., Weston, Mass. Shade-producing apparatus. 2,660,186, Nov. 24.

Marshall, Emil B., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Meter type relay having levers for resetting its contact arm. 2,648,735, Aug. 11.

Marshall Field and Company, assignee: *See*—
Clark, Eugene F.
Moberg, Ivar O.
Tuttle, Richard H., MacIsaac, and Sturtevant.

Marshall, Frances V.: *See*—
Marshall, Edward W. and F. V.

Marshall, Frank C.: *See*—
Christie, Soren L., and Marshall.

Marshall, James M., assignor of one-third to W. D. McMahan, and one-third to F. L. Rogers, Long Beach, Calif. Abutment ascending hand truck. 2,633,363, Mar. 31.

Marshall, John G.: *See*—
Stoddard, Alexander.

Marshall, John M., Reading, Pa., assignor to Kraft Foods Company, Chicago, Ill. Forming seal in synthetic plastic packages. 2,649,392, Aug. 18.

Marshall, John N., Bryn Mawr, Pa., assignor to Radio Corporation of America. Radar ground approach system. 2,655,650, Oct. 13.

Marshall, John N., Bryn Mawr, Pa., assignor to Radio Corporation of America. Regulated power supply. 2,663,839, Dec. 22.

Marshall, Joseph F., Cambridge, Mass., assignor to Stromberg-Carlson Company. Means for and method of tuning vibrating bars or rods. 2,655,069, Oct. 13.

Marshall, Leonard J., Oak Ridge, Tenn., assignor to Combustion Engineering, Inc. Support for steam generator drums. 2,648,316, Aug. 11.

Marshall, Oren B., and B. F. Adams, Kansas City, Mo. Collapsible furniture. 2,649,141, Aug. 18.

Marshall, Richard C., assignor to Mars-Hall, Incorporated, Kansas City, Mo. Separator for cartridge cartons. 2,626,077, Jan. 20.

Marshall, Richard P., Columbia, Ky. Electric-hydraulic beauty chair. 2,653,648, Sept. 29.

Marshall, Thos., trustee, assignee: *See*—
Grant, David A. and A. G.

Marshall, Walton H., Jr., Bronxville, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Nitration of organic compounds. 2,654,788, Oct. 6.

Marshall, Walton H., Jr., New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for nitration of organic compounds. 2,654,658, Oct. 6.

Marsico, Theodore W., Denison, Tex. Combination mattress and spring. 2,646,580, July 28.

Marsillius, Newman M., Trumbull, assignor to The Producto Machine Company, Bridgeport, Conn. Turning machine. 2,627,196, Feb. 3.

Marsillius, Newman M., Trumbull, assignor to The Producto Machine Company, Bridgeport, Conn. Safety device for die-sets. 2,627,313, Feb. 3.

Marsillius, Newman M., Trumbull, assignor to The Producto Machine Company, Bridgeport, Conn. Removable guide pin. 2,629,615, Feb. 24.

Marson, John E.: *See*—
Mork, George W., Marson, and Paulsen.

Marsten, Jesse, Carroll Park, and A. L. Pugh, Jr., Bala-Cynwyd, assignors to International Resistance Company, Philadelphia, Pa. Forming resistor assemblies. 2,629,166, Feb. 24.

Marston, Arthur E.: *See*—
Adcock, Mack D., and Marston.

Mart, Harry A., Chicago, Ill., assignor, by mesne assignments, to Fil-O-Matic Corporation. Fuel dispensing device with rotatable nozzle communicating with venting and liquid dispensing openings. 2,625,304, Jan. 13.

Mart, Leon T., Mission Township, Johnson County, assignor to The Marley Company, Inc., Kansas City, Kans. Cooling tower having splash deck supported basin. 2,650,082, Aug. 25.

Martell, John E., Chicopee, Mass. Combined work-holding and screw-driving machine. 2,626,641, Jan. 27.

Martens, Ernest J., St. Louis, Mo. Drapery pleater. 2,641,315, June 9.

Martens, Robert E., and L. A. Whinnery, assignors to Stone Crest Studios, Inc., Charleston, W. Va. Apparatus for production of reliefs. 2,656,766, Oct. 27.

Martienssen, Laurence E., Parkview, Johannesburg, Transvaal, Union of South Africa. Charge forming device. 2,649,081, Aug. 18.

Martin, Amelia A., administratrix: *See*—
Martin, Victor.

Martin, Andrew J., East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovering nicotinic acid from solutions thereof in sulfuric acid. 2,648,668, Aug. 11.

Martin, Anthony W.: *See*—
Collins, Bernard F., Cox, and Martin.

Martin, Arthur E., Concord, Calif., and J. W. Eberman, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Corrosion inhibitor. 2,658,817, Nov. 10.

Martin, Arthur F.: *See*—
Bertram, Leon L., Martin, and Pohlke.

Martin, August A., Los Angeles, Calif., assignor, by mesne assignments, to Pacific Freight Lines. Axle. 2,634,169, Apr. 7.

Martin Automatic Fishing Reel Co., Inc., assignee: *See*—
Maury, Thomas A. and A. D.

Martin, Carl W., C. W. Beck, and J. W. Pick, Middletown, Ohio, assignors to Armco Steel Corporation. Sheet cutting and inspecting means. 2,650,091, Aug. 25.

Martin, Charles H., Springfield, Mass. Parking meter. 2,629,438, Feb. 24.

Martin, Clarence F., Lombard, Ill. Illuminated sign structure. 2,624,141, Jan. 6.

Martin, Clifford M., Hartsel, Colo. Form for molding concrete walls. 2,641,043, June 9.

Martin, David C., Worthington, Ohio, assignor to the United States of America as represented by the United States Atomic Energy Commission. Welding beryllium and beryllium alloys. 2,658,981, Nov. 10.

Martin-Decker Corporation, assignee: *See*—
Webber, Louis Q.
White, Jud E.

Martin, Edward G., assignee: *See*—
Childs, Robert S.

Martin, Edward J., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Magnetic pickup. 2,662,996, Dec. 15.

Martin, Edward M., Jacksonville, Ark. Adjustable bus seat. 2,627,299, Feb. 3.

Martin, Eric L., Santa Monica, Calif., assignor to North American Aviation, Inc. Valve for shock absorbers. 2,637,337, May 5.

Martin, Elmore L., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic silver halide emulsion containing symmetrical carbocyanine dyes. 2,647,052, July 28.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller control. 2,635,700, Apr. 21.

Martin, Erle, West Hartford, M. C. Beebe, Jr., S
tonbury, and J. E. Anderson, Portland, as
United Aircraft Corporation, East Hartfo
Propeller pitch changing mechanism.
June 23.

Martin, Erle, West Hartford, and C. D. McCa
chester, assignors to United Aircraft C
East Hartford, Conn. Propeller control
2,643,077, June 23.

Martin, Erle, West Hartford, and T. B. Rhine
bury, assignors to United Aircraft Corpora
Hartford, Conn. Pitch lock. 2,653,671, Sep

Martin, Eugene, Wesleyville, Pa., assignor to R
ard Corporation. Dough molder pressure boa
ing. 2,636,455, Apr. 28.

Martin, Eugene, Wesleyville, Pa., assignor to R
ard Corporation. Feed mechanism. 2,648,44

Martin Fabrics Corporation, assignee: *See*—
Ewald, Geroge W.
Griefen, Richard A.

Martin, Flyodd A., and S. J. Jeffery, St. C
Ontario, Canada, assignors to General Motor
tion, Detroit, Mich. Balancing machine.
Sept. 15.

Martin, Frank A., Akron, and M. H. Ripple, C
signors to The Hoover Company, North Car
Filter structure for suction cleaning
2,637,410, May 5.

Martin, Frank A., Akron, and K. R. Warburton
to The Hoover Company, North Canton, O
making machine. 2,641,300, June 9.

Martin, Frank A., Akron, and K. R. Warburton
to The Hoover Company, North Canton, Ohio
flexible hose for suction cleaners. 2,641,302,

Martin, Fred B., Goodland, Kans. Transfe
2,633,253, Mar. 31.

Martin, Fred P., Topeka, Kans. Drive axle m
swinging and rocking motion. 2,625,231, Jan.

Martin, Furman H., Lancaster, S. C., assignor
Cotton Mills. Starch cooking apparatus an
2,633,436, Mar. 31.

Martin, George A.: *See*—
Braithwaite, Charles H., Jr., Martin, and

Martin, George A., assignor to Dexter Folder
Pearl River, N. Y. Sheet delivering
2,626,800, Jan. 27.

Martin, George C., and A. J. Sears, Fort Wayn
signors to General Electric Company. Gaske
and making same. 2,627,482, Feb. 3.

Martin, George E., Chicopee, Mass. Fan.
July 21.

Martin, George H., Bogue, Kans. Multiple val
outlet hydrant. 2,627,277, Feb. 3.

Martin, George L., Elmwood, Conn. Restraini
2,645,922, July 21.

Martin, Gilbert F., Jonesville, Mich. Vehicle to
trol. 2,653,822, Sept. 29.

Martin, Glenn L., Company, The, assignee: *See*—
Ahrecht, Fritz, and Wolfe.
Allen, John H.
Barker, Charles L., and Gavlak.
Bennett, James H., Jr.
Goede, William P.
Gordon, Samuel A., Espy, Cooke, and Gerte
Kanode, Albert E., Cooke, and Lindquist.
Kanode, Albert E., and Matson.
Larsen, Agnew E., and Atherholt.
Pajak, Theodore P.
Pepersack, Francis J.
Terwilliger, David D., Mazur, and Jackson.
Von Stackelberg, Yurgen S., and Safka.
Walter, George E., Hornstein, and Sheld.
Winter, Mahlon A.
Woollens, Albert T., and Buchal.

Martin, Gustav J., and J. M. Beiler, Philadel
S. Avakian, Oreland, and J. N. Moss, assigno
National Drug Company, Philadelphia, Pa.
droxy-4'-halogeno chalcones. 2,647,148, July

Martin Hardsocg Co., The, assignee: *See*—
McGlothlen, John L.

Martin, Hayes, New York, assignor to Welch A
Auburn, N. Y. Binocular vision diagnostic i
2,637,317, May 5.

Martin, Henry F., Centerline, assignor to Det
and Machine Company, Detroit, Mich. Door
mechanism. 2,628,831, Feb. 17.

Martin, Henry K., Youngstown, Ohio, assignor
States Steel Corporation. Expansion joint
ments and the like. 2,632,367, Mar. 24.

Martin, Henry, Schaffhausen, assignor to Varia
Basel, Switzerland. Trifluoromethylated diph
sulfonic acids. 2,649,476, Aug. 18.

Martin, Henry, Wadsworth, and P. Kekettye,
signors to The Sun Rubber Company, Barber
Apparatus for the manufacture of hollow cas
2,629,131, Feb. 24.

Martin, Homer Z.: *See*—
Gohr, Edwin J., Martin, Jahnig, Tyson, and

Martin, Homer Z., Cranford, N. J., assignor to
Oil Development Company. Residuum co
cracking. 2,655,465, Oct. 13

Martin, Homer Z., Cranford, N. J., assignor to Standard Oil Development Company. Hydrocarbon synthesis reaction. 2,662,912, Dec. 15.

Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Production of oxygen. 2,642,340, June 16.

Martin, Homer Z., Cranford, and W. K. Lewis, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Fractionation with solid adsorbents. 2,651,603, Sept. 8.

Martin, Hugh E.: *See*—
Lee, John W., Martin, and Alexander.

Martin, James, Higher Denham, near Uxbridge, England. Control means for use with ejection seat of aircraft. 2,638,294, May 12.

Martin, James, Higher Denham, near Uxbridge, England. Parachute and seat harness. 2,655,329, Oct. 13.

Martin, James, Higher Denham, near Uxbridge, England. Control of variable pitch airscrews for aircraft. 2,655,998, Oct. 20.

Martin, James B., Woodlawn, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Stabilization of fats and oils. 2,634,213, Apr. 7.

Martin, James V., Paramus, N. J. Flying ship. 2,656,136, Oct. 20.

Martin, James V., Rochelle Park, N. J. Automobile structure. 2,634,816, Apr. 14.

Martin, James W., Denver, Colo., assignor to Lone Star Gas Company, Dallas, Tex. Vent protecting and draft equalizing device. 2,647,477, Aug. 4.

Martin, James W., Tuckahoe, assignor to Carbonic Products, Inc., New York, N. Y. Recovering oil from oil shale. 2,630,307, Mar. 3.

Martin, John A.: *See*—
Van Blaricom, Lester O., and Martin.

Martin, John B., Camas, Wash., and C. S. Funk, Hayward, Calif., assignors to Crown Zellerbach Corporation, Camas, Wash. Pressure sensitive adhesive sheet material. 2,648,614, Aug. 11.

Martin, John B., San Francisco, Calif. Ball mill with feed and discharge means at each opposite end. 2,664,248, Dec. 29.

Martin, John R., assignor to Oldham & Son Limited, Denton, near Manchester, England. Vent and filling device for storage batteries. 2,649,494, Aug. 18.

Martin, Joseph A., Nicolet, Quebec, Canada, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,653,513, Sept. 29.

Martin, Joseph F., Detroit, Mich. Automatic brake release mechanism. 2,656,025, Oct. 20.

Martin, Joseph S., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Watch oil. 2,636,005, Apr. 21.

Martin, Joseph T., Thomasville, Ga., assignor, by mesne assignments, to Rose Kist Foods, Inc. Apparatus for packaging popcorn. 2,648,479, Aug. 11.

Martin, Joseph T., assignor, by mesne assignments, to Rose Kist Foods, Inc., Thomasville, Ga. Packaged popcorn kernels and popping oil. 2,648,610, Aug. 11.

Martin, José S., and A. I. Sanz, Buenos Aires, Argentina. Adjustable speed mechanism. 2,653,487, Sept. 29.

Martin, Leo P., Decatur, Ill. Sort verifier for punched cards. 2,645,152, July 14.

Martin, Leo P., Decatur, Ill. Sort vertifier for punched cards. 2,659,265, Nov. 17.

Martin, Michael J., Armadale, Victoria, Australia. Filter. 2,643,772, June 30.

Martin, Nora B., Chicago, Ill., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Martin. Picnic box. 2,645,332, July 14.

Martin-Parry Corporation, assignee: *See*—
Brock, Clarence A., and Hunter.
Mayes, Walter A.

Martin, Paul N., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electron tube circuits. 2,634,385, Apr. 7.

Martin, Paul N., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Electric circuit controller. 2,638,514, May 12.

Martin, Paul N., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Apparatus for effecting indication and signal controls by transient direct current. 2,639,370, May 19.

Martin, Paul N., Penn Township, Allegheny County, assignors to Westinghouse Air Brake Company, Wilmerding, Pa. Electron tube circuits. 2,645,716, July 14.

Martin, Paul N., Penn Township, Allegheny County, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Alternating current railway track circuits employing gas-filled electron tubes. 2,664,498, Dec. 29.

Martin, Perry S., assignor to Shenandoah Equipment Company, Harrisonburg, Va. Automatic poultry fountain. 2,632,463, Mar. 24.

Martin, Phares, East Earl, Pa. Corn harvester and ensilage cutter. 2,657,513, Nov. 3.

Martin, Philip, New York, N. Y. Cleaning and filling containers. 2,648,475, Aug. 11.

Martin, Philip, North Hollywood, assignor to Foster's Freeze National Corporation, Los Angeles, Calif. Dispenser. 2,639,678, May 26.

Martin, Philip, North Hollywood, assignor to Foster's Freeze National Corporation, Los Angeles, Calif. Frozen mix making device. 2,645,911, July 21.

Martin, Philip W., Huntington Park, Calif. Apparatus for logging wells while drilling. 2,650,067, Aug. 25.

Martin, Philippe T., assignor to Societe Anonyme des Manufacturers des Glaces & Produits Chimiques de Saint-Gobain Chauny Cirey, Paris, France. Apparatus and method of surfacing glass sheets and plates. 2,661,581, Dec. 8.

Martin, Ralph H., assignor to V. Kilns, Los Angeles, Calif. Apparatus for pressing print tissue onto articles. 2,647,337, Aug. 4.

Martin, Robert L., Whittier, assignor to Solar Manufacturing Corporation, Los Angeles, Calif. Capacitor coating machine. 2,664,066, Dec. 29.

Martin, Robert L., Whittier, assignor to Solar Manufacturing Corporation, Los Angeles, Calif. Capacitor coating machine. 2,664,067, Dec. 29.

Martin, Robert W., Lafayette, Calif., assignor to General Electric Company. Methylol phenyl compound. 2,636,875, Apr. 28.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Boric acid-methyl polysiloxane composition. 2,644,805, July 7.

Martin, Robert W., Lenox, Mass.,—assignor to General Electric Company. Phenol alcohol-epichlorohydrin reaction products. 2,659,710, Nov. 17.

Martin, Ronald H., Erlton, N. J. Carton adaptable for conversion to toys. 2,636,312, Apr. 28.

Martin, Samuel M.: *See*—
Gray, John B., III, and Martin.

Martin, Samuel W., Chicago, Ill., assignor to Great Lakes Carbon Corporation, New York, N. Y. Manufacture of coke. 2,640,016, May 26.

Martin, Sidney W., Chicago, assignor to Bear Manufacturing Company, Rock Island, Ill. Balance testing device. 2,636,382, Apr. 28.

Martin, Stephen M.: *See*—
Dubpernell, George, and Martin.

Martin, Theodore L., Greenville, Ohio. Watch cleaning machine. 2,646,807, July 28.

Martin, Thomas B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller pitch control. 2,661,067, Dec. 1.

Martin, Thomas C., Colnasset, Mass. Toy bank. 2,650,452, Sept. 1.

Martin, Thomas C., Natick, Mass. Aquatic figure toy. 2,650,453, Sept. 1.

Martin, Tom E., Bartlesville, Okla., and E. Edmunds, Jr., Albuquerque, N. Mex., assignors to Phillips Petroleum Company. Adjusting the concentration of ammonium nitrate solutions. 2,650,660, Sept. 1.

Martin, Victor, deceased, Parkstone, England; A. A. Martin and D. Attwell, administratrices. Pivoted locking means for lines. 2,661,514, Dec. 8.

Martin, W. H., assignee: *See*—
Wahle, Adolph.

Martin, Wade B., Ramsey, N. J., assignor to American Telephone and Telegraph Company. Telegraph call transferring system. 2,638,497, May 12.

Martin, Walter F., North Haven, and R. G. Hall, Yalesville, assignors to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Mounting for trophies, ornaments, and the like. 2,634,934, Apr. 14.

Martin, Warren H.: *See*—
Landry, Arthur B., and Martin.

Martin, Warren S., Massapequa, N. Y. Apparatus for heat treatment of sewage sludge and method adapted to be carried out therein. 2,655,883, Oct. 20.

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pressure protected silolike container for preserving farm crops. 2,643,602, June 30.

Martin, Wilbert A., Freeport, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Nonbounce switch. 2,644,052, June 30.

Martin, Wilbert A., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Double-pole double-throw snap switch. 2,647,179, July 28.

Martin, Wilbert A., Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap acting mechanism. 2,659,238, Nov. 17.

Martin, Wilhelm, and W. Heynen, Grebben, Kreis Heinsberg, assignors to Firma Vereinigte Glanzstoff-Fabriken A. G., Wuppertal (Elberfeld), Germany. Reconditioning the extruding face of spinnerettes. 2,649,670, Aug. 25.

Martin, William C.: *See*—
Schmidt, Otto W., and Martin.

Martin, William E., Kewanee, Ill. Spring shackle. 2,650,089, Aug. 25.

Martin, William E., Kewanee, Ill. Swingable trailer ramp. 2,650,727, Sept. 1.

Martin, William E., Kewanee, Ill. Center spring mounting. 2,650,818, Sept. 1.

Martin, William E., Kewanee, Ill. Interchangeable dual trailer coupling pin. 2,656,195, Oct. 20.

Martin, William E., Kewanee, Ill. Trailer with detachable gooseneck. 2,663,574, Dec. 22.

Martin, William F., assignor of one-fourth to W. D. Burger, Amarillo, Tex., one-fourth to W. E. Warner, Hooker, Okla., and one-fourth to E. L. Morton, Stinnett, Tex. Artificial fishing bait. 2,663,964, Dec. 29.

Martin, William K., assignor of one-third to F. W. Foster, Cliff, N. Mex. Dispenser with spring pressed follower. 2,652,949, Sept. 22.

Martin, William L.: *See*—
Bromberg, Robert, and Martin.

Martin, William L., assignor of one-fourth to L. B. Hollowell, Gastonia, N. C. Electrically heated windshield wiper. 2,654,016, Sept. 29.

Martin, William L., Los Angeles, Calif., R. J. Slutz, Kensington, and H. R. Senf, Bethesda, Md., assignors to the United States of America as represented by the Secretary of Commerce. Transformer-coupled pulse-train amplifier. 2,650,955, Sept. 1.

Martin, William M., San Mateo, Calif., assignor to James Dole Engineering Co. Apparatus for peeling fruit or vegetable products. 2,631,628, Mar. 17.

Martin, William M., San Mateo, and A. E. Post, San Francisco, Calif., assignors to James Dole Engineering Co. Filling apparatus and method. 2,631,768, Mar. 17.

Martin, William M., San Mateo, Calif., W. F. Pilnik, Harvey, and D. E. Wobbe, Maywood, Ill., assignors to American Can Company, New York, N. Y. Washing the side seams of can bodies. 2,650,178, Aug. 25.

Martin, William O., Fort Smith, Ark. Railroad brake slack adjuster. 2,630,194, Mar. 3.

Martin, William O., Fort Smith, Ark. Wheel slide indicator and control mechanism for diesel and electric locomotives. 2,637,806, May 5.

Martin, William O., Fort Smith, Ark. Railroad brake slack adjuster. 2,648,408, Aug. 11.

Martincic, Anton, Chicago, Ill. Multiple notching die. 2,654,428, Oct. 6.

Martindell, Frank, Western Springs, assignor to Teletype Corporation, Chicago, Ill. Altitude control system. 2,653,307, Sept. 22.

Martinelli, Ernest A., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,646,507, July 21.

Martine, Chester E., Teaneck, assignor to Specialties Development Corporation, Belleville, N. J. Apparatus for detecting suspended matter in fluids. 2,626,361, Jan. 20.

Martineau, Stephen F., Birmingham, England. Valve seat. 2,626,776, Jan. 27.

Martinek, Emanuel A., Wichita Falls, Tex. Air moistening and filtering device. 2,627,934, Feb. 10.

Martinelli, Guido, Dallas, Tex. Self-threading sewing machine needle with improved block. 2,628,582, Feb. 17.

Martines, Rene, Cranston, R. I. Machine for attaching metallic terminals to metallic wire. 2,631,213, Mar. 10.

Martinet, Eugene F., assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio. Suction cleaner dome mounting construction. 2,627,936, Feb. 10.

Martinet, Eugene F., assignor to Royal Vacuum Cleaner Company, Cleveland, Ohio. Suction cleaner motor filter construction. 2,627,937, Feb. 10

Martinez, Andrew A., New Orleans, La. Toy lighthouse. 2,636,314, Apr. 28.

Martinez, José R., Miami, Fla. Toilet bowl flush tank deodorizer. 2,658,206, Nov. 10.

Martini, Herbert A., assignor to J. L. Peacock, Chicago, Ill. Cosmetic composition containing lanolin in high concentration. 2,661,316, Dec. 1.

Martiniak, Leonard J., Chicago, and J. W. Dusenberry, Melrose Park, Ill., assignors to General Electric Company. Drainage control system. 2,662,536, Dec. 15.

Martino, Joseph F., Elizabeth, N. J., assignor to American Cyanamid Company, New York, N. Y. Stabilizing acrylonitrile. 2,656,376, Oct. 20.

Martiri, Roberto, Buenos Aires, Argentina. Burner system for liquid fuels. 2,655,989, Oct. 20.

Martone, Thomas A., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Adhesive compositions, including an amylaceous material and a triazone. 2,641,584, June 9.

Martt, Ernest C., Chagrin Falls, Ohio., assignor to General Electric Company. Jacketed and double ended lamp unit. 2,640,145, May 26.

Marvel, Andrew, Caldwell, N. J. Balance testing device. 2,647,398, Aug. 4.

Marvel, Carl S., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compositions containing a polymer of acrylonitrile and N,N-dimethylacetamide. 2,649,427, Aug. 18.

Marvel, Harvey E., Fort Wayne, Ind., assignor to The Briggs Filtration Company, Washington, D. C. Signal device for filters. 2,638,581, May 12.

Marvel Specialty Company, Incorporated, assignee: *See*—
Brown, Merle M.

Marwil, Stanley J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Adsorption-stripping separation system. 2,652,437, Sept. 15.

Marvin, Charles H., Lancaster, Calif., assignor to The Stead Rail Anchor Company Limited, Montreal, Quebec, Canada. Rail anchor. 2,656,117, Oct. 20.

Marvin, Hervey G., Molalla, Oreg. Kerf planing saw. 2,659,398, Nov. 17.

Marvin, John T.: *See*—
Davis, Raymond C., and Marvin.
Riedel, Walter W., and Marvin.

Marvin, John T., Dayton, Ohio, assignor to Ge
Corporation, Detroit, Mich. Mold for fo
2,642,624, June 23.

Marvin, John T., Dayton, Ohio, assignor to
tors Corporation, Detroit Mich. Sealing strip
Oct. 13.

Marvin, W. B., Manufacturing Company, Th
See—
Johnson, James B.

Marx, Helmut, Giessen, assignor to Ernst Leitz
Wetzlar, Germany. Variable phase contrast
2,637,243, May 5.

Marx, Louis, & Company, Inc., assignee: *See*—
Carver, Richard N.
Carver, Richard N., and Dobkowski.
Lohr, Raymond J.
Lohr, Raymond J., and Carver.
Rhome, Jesse P., and Curtiss.

Marx, Robert D., Valley Stream, N. Y. Ga
truck valve. 2,652,070, Sept. 15.

Marxer, Adrian: *See*—
Miescher, Karl, and Marxer.

Maryan, Harry O., Chicago, Ill. Circumci
2,646,046, July 21.

Maryland Devices, Inc., assignee: *See*—
Kahn, Samuel.

Maryland Laborntories, Incorporated, assigne
Prime, Nathaniel S.

Marzan, Peter R.: *See*—
McConnell, Kenneth R., and Marzan.

Marzolf, Norburt F., assignor, by mesne assi
P. L. Marzolf, Strykersville, N. Y. Egg s
chine. 2,627,140, Feb. 3.

Marzolf, Paul L., assignee: *See*—
Marzolf, Norbert F.

Masaracchia, Joseph P., and J. S. West,
Means for protecting type faces. 2,635,88

Masarky, Nathaniel H.: *See*—
Molteni, Henry A., Masarky, and Barsky.

Mascarenhas, Eneas G., Minas, Brazil. Cop
loom. 2,648,354, Aug. 11.

Mascherpa, Antonio, Novara, Italy. Speed cha
2,662,417, Dec. 15.

Maschinenbau- & Giesserei A. G.: *See*—
Stenglein, Oswald.

Maschinenfabrik Augsburg-Nürnberg A. G.
See—
Dietrich, Paul.
Kolland, Emil.
Scharf, Herbert.
Sörensen, Emil, and Scharf.
Stoll, Albert.
Vogel, Wilhelm, and Seifert.
Von Lassberg, Dietrich.

Maschinenfabrik Heid Aktiengesellschaft, assi
Musil, Josef.

Maschinenfabrik Rüti A. G. vormals Caspar
assignee: *See*—.
Egli, Ernst.

Maschinenfabrik Schärer, assignee: *See*—
Siegenthaler, Walter.

Maschinenfabrik Schmotzer G. m. b. H., assign
Kamplade, Heinrich.

Maschinenfabrik Schweiter A. G., assignee: *Se*
Schweiter, Walter.

Maschinenfabrik Stromag-G. m. b. H., assigne
Schlotmann, Karl.

Maschwitz, Percy A., Flossmoor, assignor to T
Company, Chicago, Ill. Manufacturing so
sulfide solution. 2,662,000, Dec. 8.

Mascuch, Joseph J., Maplewood, and J. K. Eld
clair, N. J. Carbon arc lamp operation and
control. 2,639,400, May 19.

Masek, Walter F., Richmond, Ind., assignor to
Inc., Coffeyville, Kans. Handrail for movin
2,628,700, Feb. 17.

Masek, Walter F., assignor to Multiscope, Inc.
Ind. Moving stairway. 2,656,031, Oct. 20.

Masellis, Francesco P., Rome, assignor to "
S. r. l., Milan, Italy. Device for dosing u
and in urine. 2,649,359, Aug. 18.

Mashburn, William O., Jr., and G. A. Broetzler
Ohio, and K. Kinnaird, Kenton County, K
to The Coca-Cola Bottling Works Co., Cinci
Body for delivery trucks. 2,650,856, Sept. 1

Mashinter, William H., assignor of nineteen
M. D. and A. G. McCormick, Chicago, Ill. F
2,630,761, Mar. 10.

Mashinter, William H., assignor of nineteen
M. D. and A. G. McCormick, Chicago, Ill. F
2,630,762, Mar. 10.

Mashinter, William H., assignor of nineteen
M. D. and A. G. McCormick, Chicago, Ill.
injection pump. 2,636,439, Apr. 28.

Masi, John, Miami, Fla. Fishing line
2,663,109, Dec. 22.

Masini, Joseph, Weehawken, N. J., assignor to
conducting business under the name of
Block Company, New York, N. Y. Method
for blocking hats. 2,653,737, Sept. 29.

Masland, C. H., & Sons, assignee: *See*—
Harding, John H.

Mason Box Company, The, assignee: *See*—
Cinami, Armando R.
Mason, Charles O. M., Hingham, and H. J. Perry, Atlantic, Mass. Method of and apparatus for forming an open filling-receiving groove in frankfurter rolls and other bakery products. 2,655,190, Oct. 13.
Mason, Collins, Los Angeles, and C. A. Imhoff, Beverly Hills, Calif. Alarm device. 2,636,337, Apr. 28.
Mason, David F.: *See*—
Robinson, Ewen D., and Mason.
Mason, Donald W: *See*—
Lloyd, Thomas W., and Mason.
Mason, Ford S., Lockport, N. Y. Vending machine. 2,652,916, Sept. 22.
Mason, Frank L.: *See*—
Mason, Samuel L. and F. L.
Mason, Fred S., Lockport, N. Y. Vending machine. 2,653,069, Sept. 22.
Mason, George W., and B. D. Gee, Otisville, Mich. Fish-hook securing means. 2,636,307, Apr. 28.
Mason, George W., and B. D. Gee, Otisville, Mich. Dispensing device. 2,647,625, Aug. 4.
Mason, James A., Worcester, Mass., and R. C. Knaeplin, Beloit, Wis., assignors to Warner Electric Brake & Clutch Company, South Beloit, Ill. Combined motor and clutch. 2,659,830, Nov. 17.
Mason, John C.: *See*—
Johnston, Blaine, and Mason.
Mason, Kolehmainen, Rathburn & Wyss, assignee: *See*—
Appleman, Leon H.
Mason, Laurence S., Prescott, Ariz. Reloading clip for revolvers. 2,637,930, May 12.
Mason, Max C., Bethesda, Md. Walking figure toy. 2,638,709, May 19.
Mason-Neilan Regulator Company, assignee: *See*—
Bennett, Andrew E.
Taylor, Ruel E., Jr.
Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Desulfurization of heavy petroleum oils. 2,636,841, Apr. 28.
Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Higher fatty acid synthesis from oxo bottoms. 2,648,694, Aug. 11.
Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Desulfurization of heavy petroleum oils. 2,657,175, Oct. 27.
Mason, Ralph B., and H. J. Rose, Baton Rouge, La., assignors to Standard Oil Development Company. Desulfurization of heavy petroleum oils. 2,640,011, May 26.
Mason, Ralph B., and W. C. Cochran, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Impregnating an oxide coating on aluminum and resulting article. 2,662,034, Dec. 8.
Mason, Robert F., Magee, Miss. Welder's flux pot. 2,641,382, June 9.
Mason, Robert S., J. P. Graham, and H. L. Hearns, assignors to The Dow Chemical Company, Midland, Mich. Rotary bar sealer for plastic films. 2,651,708, Sept. 8.
Mason, Russell I.: *See*—
Breeze, George E., and Mason.
Mason, Russell I., and J. A. Barkson, New London, Conn., and J. C. McNary, Bethesda, Md., assignors to the United States of America as represented by the Secretary of the Navy. Expendable radiosonic buoy. 2,629,083, Feb. 17.
Mason, Russell I., New London, J. F. Ripken, Waterford, and H. F. Bernier, Jr., Danielson, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Hydrophone casing. 2,641,751, June 9.
Mason, Samuel L., and F. L. Birmingham, Ala. Metal window screen frame. 2,624,428, Jan. 6.
Mason, Walter R., Jr., Cincinnati, Ohio. Combination reading lamp and article support. 2,634,073, Apr. 7.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light valve for television systems. 2,632,048, Mar. 17.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,649,027, Aug. 18.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hall-effect wave translating device. 2,649,574, Aug. 18.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Prismatic directional and object locating system. 2,658,186, Nov. 3.
Masoner, William J., Chicago, Ill. Support. 2,650,056, Aug. 25.
Masonite Corporation, assignee: *See*—
Brink, Edwin H.
Lesniak, Frank G., and Janett.
Richmond, James H., Boehm, and Hunt.
Rodda, Lee, and Ward.
Schoen, William.
Massa, Frank, Cleveland Heights, Ohio. Vending system. 2,645,416, July 14.
Massari Bros. Machine Company, assignee: *See*—
Woerner, William.
Massari, Frank, Tampa, Fla. Pouring attachment for containers. 2,648,462, Aug. 11.
Massengale, John T., Wyandotte, Mich., assignor to Sharples Chemicals Inc. Salts of N-nitroso phenylhydroxyl amines as fungicides and bactericides. 2,635,978, Apr. 21.
Massey, Bernard S., N. R. L. Quinn, J. R. Allen, and S. C. Warner, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Flow-control system for rotary-vane compressors for conditioning air. 2,632,307, Mar. 24.
Massey-Harris Company, The, assignee: *See*—
Todd, Everett W.
Massey-Harris Co. Ltd., assignee: *See*—
Brown, Orwell W.
Everett, Charles E., and McCuaig.
Knight, Lorne F.
Knight, Lorne F., and Pitt.
Luke, Albert R. J.
Massey, John E., North Garden, Va. Antibreeding shield and harness for bulls. 2,625,134, Jan. 13.
Massey, Stanley S., Oakland, Calif. Elastic fastener for cord, fabric, and the like. 2,632,219, Mar. 24.
Massman, Albert W., Wheaton, assignor to Motorola, Inc., Chicago, Ill. Synchronization circuit. 2,645,717, July 14.
Massmann, William F., Jr.: *See*—
Alderman, Mattison W., Massmann, and Michael.
Masson Seeley & Co. Limited, assignee: *See*—
Maunder, Claude A.
Massons, Enrique C., assignee: *See*—
Felez Alvarez, Francisco and J.
Massopust, Carl F., Ogden Dunes, Ind., assignor to J. B. Tigrett, Chicago, Ill. Making power units for amusement devices. 2,659,215, Nov. 17.
Mast, Aquila D., Lancaster, Pa. Harvester equipment and pneumatic method of loading and unloading same. 2,641,097, June 9.
Mast Development Company, Inc., assignee: *See*—
Mast, Gifford M., and Gannett.
Mast, Fred A.: *See*—
Hetzel, Max, Mast, and Thiemann.
Mast, George W., South Salem, and F. E. Anderson, Yonkers, assignors to Nepera Chemical Co., Inc., Nepera Park, Yonkers, N. Y. Hemiacetals. 2,657,241, Oct. 27.
Mast, Gifford M., and W. K. Gannett, assignors to Mast Development Company, Inc., Davenport, Iowa. Slide viewer. 2,630,642, Mar. 10.
Mast, Kurt, assignor to Matth. Hohner A.-G., Trossingen, Wurtemberg, Germany. Harmonica. 2,646,712, July 28.
Mast, William C.: *See*—
Fisher, Charles H., and Mast.
Masten, Neilson K., Seattle, Wash. Toy top. 2,631,405, Mar. 17.
Master Appliance Mfg. Co., assignee: *See*—
Meltzer, Rudolph L. and H. E.
Meltzer, Rudolph L., and H. E., and Warner.
Master Electric Company, The, assignee: *See*—
Clark, Loris D.
Master Machinery Corporation, assignee: *See*—
Smith, Milton B., Wallace, and Krieg.
Master Rule Manufacturing Co., Inc., assignee: *See*—
Lindhe, Folke, and Hodge.
Master Vibrator Company, assignee: *See*—
Clark, Loris D.
McCrery, Harold E.
Masters, Edwin L., Benton Harbor, Mich. Calibrated fertilizer spreader adjustment. 2,626,083, Jan. 20.
Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Multichannel antenna system. 2,634,371, Apr. 7.
Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Wide angle radiation antenna. 2,648,769, Aug. 11.
Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Belt-drive power transfer system. 2,627,186, Feb. 3.
Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Magnetic sound-recording and reproducing machine. 2,658,398, Nov. 10.
Mastin, Thomas G., Akron, and N. V. Seeger, Silver Lake, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Elastomeric diisocyanate modified polyesters. 2,625,535, Jan. 13.
Mastini, Domenico, Milan, Italy. Electric typewriter. 2,630,899, Mar. 10.
Mastney, Edward J.: *See*—
Streuer, Wilhelm A., and Mastney.
Williams, John H., and Mastney.
Mastney, Edward J., Berwyn, assignor to Oak Mfg. Co., Chicago, Ill. Electrical apparatus. 2,628,292, Feb. 10.
Mastnock, Frank, Meddow Lands, Pa. Automatic gathering valve. 2,633,865, Apr. 7.
Mastriani, Elvin A., Cedar Grove, N. J., and K. Kulczycki, Brooklyn, N. Y., assignors, by mesne assignments, to Steel and Alloy Tank Company, Newark, N. J. Lug strap. 2,633,156, Mar. 31.
Masur, Paul J.: *See*—
McGauley, Patrick J., and Masur.
Masury-Young Company, assignee: *See*—
Lilly, Howard C.
Mataré, Herbert: *See*—
Sueur, René, Welker, Mataré, and Bethge.

Mataré, Herbert F., Vaucresson, assignor to Societe Anonyme dite: Compagnie des Freins & Signaux Westinghouse, Paris, France. Wide-band wavemeter. 2,639,388, May 19.
Matchett, Henry I., Philadelphia, Pa. Deodorizing toilet paper holder. 2,639,939, May 26.
Mateer, George D., Ardmore, Pa. Universal filler with hopper and counter mechanism controlled auger feeder therein. 2,641,384, June 9.
Mater, Bernardus E., Santa Monica, assignor to Baker Oil Tools, Inc., Vernon, Calif. Apparatus and method for conditioning oil and gas wells. 2,644,532, July 7.
Mater, Milton H., and C. C. Walker, Sr., Corvallis, Oreg. Truing the peripheral surfaces of band saw wheels. 2,627,708, Feb. 10.
Materials Blasting Company, Inc., assignee: *See*—
Bugg, Kenly C.
Matge, Pierre: *See*—
Robert, Roger, and Matge.
Matge, Pierre P.: *See*—
Robert, Roger A., and Matge.
Matheisel, Rudolph A., Tilton, N. H. Inverse rotor. 2,652,505, Sept. 15.
Matheny, Clelia A., Peoria, and W. J. Myers, Eureka, assignors to Caterpillar Tractor Co., Peoria, Ill. Making collared shafts. 2,650,418, Sept. 1.
Mather, Harold C., Elmwood Park, assignor to Admiral Corporation, Chicago, Ill. Refrigerator tray. 2,657,544, Nov. 3.
Mathers, Frank C., Bloomington, Ind., and G. B. Lantz, Midvale, Utah, assignors to United States Smelting Refining and Mining Company, Portland, Maine. Electrolytic refining of lead. 2,664,393, Dec. 29.
Mathers, Harry M., assignee: *See*—
McReary, Ronald.
Mathers, John H., Hamble, near Southampton, England. Power transmission apparatus. 2,633,034, Mar. 31.
Mathes, Alexander J., Chicago, Ill. Circular saw gauge and set. 2,634,631, Apr. 14.
Mathes, Kenneth N., and T. J. Rasmussen, Schenectady, N. Y., assignors to General Electric Company. Paraffin wax having low electrical conductivity and coating glass therewith. 2,662,029, Dec. 8.
Mathes, Robert H., Washington, D. C. Symmetrical sweep centering control. 2,646,527, July 21.
Mathes, Roger A., and F. D. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of heterocyclic sulfonic acids. 2,656,354, Oct. 20.
Matheson, George L.: *See*—
May, Walter G., and Matheson.
Matheson, George L., deceased: The Summit Trust Company, Summit, N. J., the alternate executor of said G. L. Matheson, assignor to The Standard Oil Development Company. Apparatus and process for handling fluidized solids. 2,656,242, Oct. 20.
Matheson, James M., assignor to Willson Products, Inc., Reading, Pa. Respirator. 2,652,828, Sept. 22.
Mathews Company, The, assignee: *See*—
Lowmaster, Frank L.
Mathews Conveyer Company, assignee: *See*—
Anderson, Martin J.
Mathews, Edward L., Norfolk, Nebr. Tilting mirror for continuous towel cabinets. 2,636,417, Apr. 28.
Mathews, Kenneth C.: *See*—
McDonald, Donald C., Mathews, and Boe.
Mathews, Ted C., Fairbanks, Alaska. Diamond bit protector. 2,644,672, July 7.
Mathews, Verner P., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Gasoline filter. 2,628,721, Feb. 17.
Mathews, William W., Richmond, Va. Control device. 2,651,262, Sept. 8.
Mathews, William W., Richmond, Va. Control device. 2,651,263, Sept. 8.
Mathewson Machine Works, Inc., assignee: *See*—
Wanzer, Arthur W., and Kalning.
Mathey, Joseph W., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Pipe bundling machine. 2,631,526, Mar. 17.
Mathias Aichberger, assignee: *See*—
Aichberger, Maria.
Mathias, Berton M., Monte Vista, Colo. Land leveling machine. 2,659,166, Nov. 17.
Mathiesen, Erik, Lyons, Nebr. Milk cooling and distributing means. 2,650,427, Sept. 1.
Mathiesen, James C., Pleasantville, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Temperature-compensated gyroscope. 2,653,481, Sept. 29.
Mathiesen, Nicolaüs P., Drammen, Norway. Card index device. 2,656,091, Oct. 20.
Mathieson Chemical Corporation, assignee: *See*—
Audoynaud, Max L.
Bernstein, Jack, Lott, and Wiselogle.
Braker, William, Lott, and O'Keaffe.
Carr, Ralph L.
Churchill, John W.
Doerr, Richard L.
Gardiner, William C.
Gannt, William E., Bartner, and Schaeffer.
Haller, John F.
Herndon, Lyle K.
Heuser, Leon J.
Houston, Gaines N.
Jackson, John H.
Jurist, Alfred E., Burke, and Gaunt.
Grundmann, Christoph.
Kamlet, Jonas.
Lott, William A.
Lott, William A., and Bergelm.
Lott, William A., Bernstein, and Heuser.
Lott, William A., Braker, and O'Keeffe.
Lott, William, and Pribyl.
McCormack, Robert B., Langlykke, and Pe
Miller, Warren S.
Morningstar, Ralph E., and Whipple.
Perlman, David, and Langlykke.
Robson, Homer L.
Shore, Jacob.
Soule, Edward C.
Ter Horst, William P., and Cline.
Thomas, Robert M.
Mathieu, Henri J. P.: *See*—
Thibon, Honore J., and Mathieu.
Mathis, Clinton L., assignee: *See*—
Yakopatz, Michael A.
Mathis, John A., Pinckneyville, Ill. Device fo
sleep. 2,625,594, Jan. 13.
Mathis, Waddy T., Hamden, Conn. Magnetic
2,663,967, Dec. 29.
Mathisen, Anders, assignor of one-half to Gr
ufacturing Company Limited and one-half
kerson Sword Company Limited, London, En
craft crash or impact detecting device and
tem associated therewith. 2,638,286, May
Mathison, Theodore M., Seattle, Wash., assigno
Airplane Company. Locking device for ind
control apparatus. 2,647,484, Aug. 4.
Mathison, Wegor E., Glen Ellyn, Ill. De
2,645,013, July 14.
Mathison, Wegor E., Glen Ellyn, Ill. Hing
clamp. 2,645,014, July 14.
Mathwich, Howard R., Haddonfield, N. J.,
Radio Corporation of America. Frequency
oscillator. 2,659,867, Nov. 17.
Mathys, Max A., assignor to Ex-Cell-O Corp
troit, Mich. Swash plate pump. 2,640,433
Matolin, Louis: *See*—
Aller, Edmund R., Gleason and Matolin.
Matovich, Steve, Campbell, Calif. Scre
2,643,379, June 30.
Matrejek, Eugene, Newark, N. J. Reversible
toy. 2,628,094, Feb. 10.
Matrot, Louis, Noyers St. Martin, France.
abling simultaneous and/or selective cont
than one driven shaft. 2,646,148, July 21.
Matschke, Arthur L., Jr., Chicago, Ill. Vehi
device. 2,658,967, Nov. 10.
Matsen, Ralph S.: *See*—
Van Degrift, Thomas C., Gadd, and Matse
Matson, Carroll H.: *See*—
Kanode, Albert E., and Matson.
Matson, Charles I., Chicago, Ill. Foun
2,624,348, Jan. 6.
Matson, Leroy A., Park Ridge, assignor, by m
ments, to S. M. Roth, Chicago, Ill. Votive l
2,658,168, Nov. 3.
Matson, Theodore C., Long Beach, and R. N. R
D. E. Mortensen, Bellflower, Calif.; said R
Mortensen assignors to said Matson. Portal
with adjustable shutter. Re. 23,754, Dec. 15.
Matson, William N.: *See*—
Howard, Donald A., and Matson.
Matson, William U., Takoma Park, and W.
West Beach, Md., assignors to Dayton Ai
ucts, Inc., Dayton, Ohio. Antenna mast.
Aug. 4.
Mattaes, Werner: *See*—
Torke, Erich, and Mattaes.
Mattano, Leonard A., Hammond, Ind., assign
ard Oil Company, Chicago, Ill. Stilbene
mercaptan. 2,645,671, July 14.
Mattel Creations, Inc., assignee: *See*—
Duncan, Theodore R.
Matter, Albert J., Park Ridge, Ill. Replaces
wrenches. 2,645,146, July 14.
Matter, Max, assignor to Ciba Limited, Basel,
Manufacture of a pulverulent alkyl cellulose
a pulverulent carrier. 2,631,943, Mar. 17.
Matters, Robert G.: *See*—
Hoesch, Elmer D., and Matters.
Matteson, Elwin A., assignor to The Aetna-Sta
neering Company, Youngstown, Ohio. She
apparatus. 2,658,752, Nov. 10.
Matteson, George A., Jr.: *See*—
Ottmar, Jerome, Matteson, Savolaine, a
Matteson, George A., Jr., Providence, R. I., O.
Attleboro, Mass., and G. I. Parker, Rum
assignors to Metals & Controls Corporation
Mass. Apparatus for soldering metal strips.
Jan. 27.
Matteson, Harold J., assignor to General C
Glendale, Calif. Refrigerating system.
Mar. 24.

Matteson, Robert, Kensington Park, Berkeley, assignor to California Research Corporation, San Francisco, Calif. Flash point apparatus. 2,627,745, Feb. 10.

Matteson, Worth L., Jr., Foreman, Ark. Calf puller. 2,654,368, Oct. 6.

Matth. Hohner A.-G., assignee: *See*—
Mast, Kurt.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire fixture. 2,628,291, Feb. 10.

Matthew, Morton P., Berkeley, Calif., assignor to Friden Calculating Machine Co., Inc. Carriage shifting mechanism. 2,636,678, Apr. 28.

Matthews, Ewing F., Batesville, Ark. Sweat pan for flush tanks. 2,644,955, July 14.

Matthews George A., assignor to The Detroit Edison Company, Detroit, Mich. Circuit breaker with extended contact travel. 2,645,689, July 14.

Matthews, Howard W.: *See*—
Berger, Emil J., and Matthews.

Matthews, John B., D. Evans, W. D. Carswell, and J. F. Hutton, Thornton le Moors, England, assignors to Shell Development Company, Emeryville, Calif. Manufacture of lithium lubricating greases. 2,629,695, Feb. 24.

Matthews, John B., and T. B. Grimshaw, Cheshire, England, assignors to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,647,873, Aug. 4.

Matthews, John B., D. Evans, J. F. Hutton, and J. O. Cliffe, Cheshire, England, assignors to Shell Development Company, Emeryville, Calif. Lithium hydroxy stearate grease compositions. 2,651,616, Sept. 8.

Matthews, John W., Schenectady, N. Y., assignor to General Electric Company. Transient pressure detector. 2,661,460, Dec. 1.

Matthews, Joseph N., Lakewood, Ohio. Mechanism for clamping tarpaulins and the like. 2,636,766, Apr. 28.

Matthews, Kenneth A., and C. D. White, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric semiconductor. 2,653,374, Sept. 29.

Matthews, Russell B., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Gas valve and electromagnetic control therefor. 2,637,343, May 5.

Matthews, Russell B., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Electroinductively actuated valve. 2,637,344, May 5.

Matthews, Russell B., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Alternating current drop-out means for thermoelectric safety shutoff devices. 2,649,767, Aug. 25.

Matthews, Russell B., Wauwatosa assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Burner control system. 2,659,844, Nov. 17.

Matthews, Walker H.: *See*—
Wheeler, Jack A., and Matthews.

Matthews, William D., Atlanta, and T. E. Curtis, Hampton, Ga., assignors to Southern States Equipment Corporation. Electric circuit protector. 2,663,778, Dec. 22.

Matthias, Lynn H.: *See*—
De Smidt, Woodrow A., and Matthias.

Matthias, Lynn H., Fox Point, and H. Petersen, Wauwatosa, assignors to Allen-Bradley Co., Milwaukee, Wis. Arc extinguishing electrical switch apparatus. 2,656,442, Oct. 20.

Matthysse, Irving F.: *See*—
Dupre, Henry P., and Matthysse.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. High-capacity current limiter. 2,625,626, Jan. 13.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Making connectors with hard particle lining. 2,627,649, Feb. 10.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Separable knife-type clasp connector. 2,636,071, Apr. 21.

Matthysse, Irving F., and C. V. Pellier, New York, N. Y., assignors to Burndy Engineering Co., Inc. Manufacturing electrical terminal connectors. 2,643,446, June 30.

Mattice, Peter, Wells, Nev. Hay stacker. 2,629,505, Feb. 24.

Mattikow, Morris, New York, N. Y., assignor to B. Clayton, doing business as Refining, Unincorporated. Antispattering margarin. 2,640,780, June 2.

Mattikow, Morris, New York, N. Y., assignor to B. Clayton, doing business under the fictitious name and style of Refining, Unincorporated. Fractionation of black grease. 2,652,412, Sept. 15.

Mattil, Karl F.: *See*—
Dominick, William E., Nelson, and Mattil.
Nelson, De Witte, and Mattil.

Mattil, Karl F., assignor to Swift & Company, Chicago, Ill. Treatment of glyceride oils and the resulting product. 2,631,156, Mar. 10.

Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Modified lard and producing same. 2,625,478, Jan. 13.

Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,479, Jan. 13.

Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,480, Jan. 13.

Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,481, Jan. 13.

Mattil, Karl F., and F. A. Norris, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,482, Jan. 13.

Mattil, Karl F., Chicago, and D. Nelson, Elmhurst, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,483, Jan. 13.

Mattimoe, Paul T.: *See*—
Ryan, Joseph D., and Mattimoe.

Mattingly, Charles D., Wichita, Kans. Strap seal. 2,663,923, Dec. 29.

Mattingly, Lawrence J.: *See*—
Fyler, George W., and Mattingly.

Mattingly, Lawrence J., Lombard, assignor to Motorola, Inc., Chicago, Ill. Automatic gain control system. 2,653,226, Sept. 22.

Mattinson, Donald H.: *See*—
Lombard, Adrian A., and Mattinson.

Mattison Machine Works, assignee: *See*—
Peterson, Gustaf J.

Mattocks, John C., Denver, Colo. Rotatable garment support. 2,635,764, Apr. 21.

Mattox, Roy L., trustee, assignee: *See*—
Bernett, Willis J.

Mattox, William E.: *See*—
Moore, Frank C., and Mattox.

Mattson, Rupert C., Rapid City, S. Dak. Refuse packaging receptacle. 2,645,071, July 14.

Mattson, Victor E., Jr., Brooklyn, N. Y. Alarm for wrist watches. 2,656,673, Oct. 27.

Mattson, William, Floodwood, Minn. Heavy duty tree cutter. 2,633,880, Apr. 7.

Matuszak, Alfred H., Jersey City, and C. A. Weisel, Somerville, N. J., assignors to Standard Oil Development Company. Phosphorus-containing lubricating oil additives. 2,643,261, June 23.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of isooctanes from cyclopropane and isobutane. 2,632,031, Mar. 17.

Mauborgne, Paul, Niort, Deux Sevres, France. Line controlling device for use with fishing reels. 2,648,505, Aug. 11.

Mauchly, John W.: *See*—
Eckert, John P., Jr., and Mauchly.

Maude, Aylmer H., and D. S. Rosenberg, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of hexachlorocyclopentadiene. 2,650,942, Sept 1.

Mauge, Marcel R.: *See*—
Borel, Pierre C., and Mauge.

Maule, Trebor C.: *See*—
Slyter, Louis R., and Maule.

Maumee Development Company, assignee: *See*—
Balch, Clyde W.

Maun and Lund, Inc., assignee: *See*—
Lund, Clinton O.

Maunder, Claude A., assignor to Masson Seeley & Co. Limited, London, England. Work support. 2,660,117, Nov. 24.

Maurer, Edward, deceased, by E. Maurer, administratrix, Freeland, Mich. Means for coupling farming implements to conventional farm tractors adjacent the forward end thereof. 2,648,269, Aug. 11.

Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Synchronized centrifugal clutch. 2,647,602, Aug. 4.

Maurer, Edwin R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Drive control mechanism. 2,648,414, Aug. 11.

Maurer, Edwin R., and A. J. Syrovy, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Combined planetary and countershaft transmission and controls therefor. 2,635,480, Apr. 21.

Maurer, Edwin R., and J. D. Caton, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission and drive control therefor. 2,641,140, June 9.

Maurer, Esther, administratrix: *See*—
Maurer, Edward.

Maurer, Frank W., Newton Highlands, and J. B. Hirschmann, Fairhaven, Mass., assignors, by mesne assignments, to J. B. Hirschmann. Filter manufacture. 2,649,395, Aug. 18.

Maurer, Frederick R., New Boston, Mich. Seed package and seed distributor. 2,628,003, Feb. 10.

Maurer, Jakob, Kilchberg, and R. Maurer, Zurich, Switzerland, assignors to Ritter Company, Inc., Rochester, N. Y. Dental hand instrument. 2,643,456, June 30.

Maurer, John F., Leonia, N. J. Milk bottle case and bottom frame therefor. 2,643,018, June 23.

Maurer, Robert: *See*—
Maurer, Jakob and R.

Maurer, Robert A., assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Leg supporting platform and extension for adjustable chairs. 2,642,122, June 16.

Maurer, Robert H.: *See*—
Burdick, Everette M., and Maurer.

Maurer, Winfield G., U. S. Navy, and D. V. M. Green, Camden County, N. J. Automatic airspeed control system for aircraft. 2,656,133, Oct. 20.

Mauro, Anthony, Brooklyn, N. Y. Window construction. 2,642,631, June 23.

Maury, Alfred D.: *See*—
Maury, Thomas A. and A. D.

Maury, Thomas A., Herkimer, and A. D. Maury, Ilion, assignors to Martin Automatic Fishing Reel Co., Inc., Mohawk, N. Y. Winding mechanism for automatic fishing reels. 2,630,977, Mar. 10.

Manst, Frederick K., Queens Village, N. Y. Roller leveler. 2,638,143, May 12.

Mautner, Henry R.: *See*—
Luttringhaus, Hans, Mautner, and Arcus.

Mautner, Leonard: *See*—
Johnstone, Charles W., Dean, and Mautner.

Mavity, Julian M.: *See*—
Bielawski, Mitchell S., and Mavity.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of heterocyclic organic compounds. 2,639,286, May 19.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Production of phosphoric acid catalyst. 2,650,201, Aug. 25.

Mavor & Coulson, Limited, assignee: *See*—
Sproul, John C.
Thomson, James.
Towler, John M.

Maw, Mark, Haney, British Columbia, Canada. Sewing device. 2,660,346, Nov. 24.

Mawbey, Lawrence, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel breasting machine. 2,659,909, Nov. 24.

Mawney, Robert G.: *See*—
Vaughan, Victor G., Mawney, and Bagnall.

Max, Nicolaas, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of nitriles. 2,644,834, July 7.

Maxam, Allen B., Burbank, Calif. Model airplane wheel. 2,634,168, Apr. 7.

Maxant, Richard C., Ayer, Mass. Swatch cutting machine. 2,653,663, Sept. 29.

Maxey, William J., Easton, Pa., and H. L. Sanders, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Noncorrosive fire extinguishing composition. 2,624,706, Jan. 6.

Maxfield, Darel L., Forks, and A. A. Rue, Beaver, Wash., said Maxfield assignor to O. H. Sandberg, Forks, Wash. Main line terminal means for logging gears. 2,637,591, May 5.

Maxfield, Harold E., Laramie, Wyo. Hook-setting device. 2,658,299, Nov. 10.

Maxim, Edward G., Barberton, Ohio. Infant's diaper substitute or the like. 2,625,160, Jan. 13.

Maxim Silencer Company, The, assignee: *See*—
Bourne, Roland B.
Bourne, Roland B., and Tyskewicz.
Tyskewicz, John P.
Williamson, William R., and Tyskewicz.

Maximoff, Boris S., Chicago, Ill., assignor to the United States of America as represented by the Secretary of the United States Air Force. Lead screw support for straight line computers. 2,659,634, Nov. 17.

Maxon, Glenway, Jr., Milwaukee, Wis. Consistency meter. 2,630,706, Mar. 10.

Maxson, Orland R., Denver, Colo. Single-action spinning reel. 2,625,341, Jan. 13.

Maxson, W. L., Corporation, The, assignee: *See*—
McLaren, Peter J.

Maxson, William H., Jackson, Mich. Making warp bobbins. 2,638,664, May 19.

Maxwell, Carl A., and J. P. Craven, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Stress relieving apparatus. 2,626,792, Jan. 27.

Maxwell, Carl R., Washington, and K. J. Fleck, assignors to Caterpillar Tractor Co., Peoria, Ill. Centrifugal type governor having hydraulically assisted speed setting control. 2,648,533, Aug. 11.

Maxwell, Charles W. O., Taranaki, New Zealand. Bale loading attachment for vehicles. 2,646,181, July 21.

Maxwell Company, The, assignee: *See*—
Kalat, Elmer J.

Maxwell, Earl G., St. Louis, Mo. Cooking stove. 2,658,985, Nov. 10.

Maxwell, Fletcher E., Glendale, Calif. Interlocking electrical connector. 2,637,764, May 5.

Maxwell, Frank E., Delhi, La. Linoleum coiling drum. 2,628,789, Feb. 17.

Maxwell, Ira C., and O. H. Langen, Minneapolis, Minn., assignors, by mesne assignments, to The Unipress Company, Incorporated. Sleeve press. 2,626,733, Jan. 27.

Maxwell, John A., assignee: *See*—
Beall, Frank H.

Maxwell, Keaton B., Kansas City, Mo. Portable frozen confection dispenser. 2,629,344, Feb. 24.

Maxwell, Matthew M.: *See*—
Brockman, Earl H., Allison, Maxwell, Ovregaard, and Stevenson.

Maxwell, Wilber A., Houston, Tex., and J. A. Engstrand, assignors to Grant Oil Tool Company, Los Angeles, Calif. Tool for hydraulically displacing well materials. 2,626,177, Jan. 20.

Maxwell, Wilber A., Houston, Tex., and J. A. assignors to Grant Oil Tool Company, L Calif. Hydraulically displacing well 2,626,829, Jan. 27.

Maxwell, Willard A., Portland, Oreg. Wrenc coaxial jaw pivot and handle connection. Aug. 25.

Maxwell, Willard A., Portland, Oreg. Combi dozer and shovel arrangement. 2,660,816, I

Maxwell, William A.: *See*—
Wright, John G., Toney, Watkins, Sudan, a

May, Andrew J., Longview, Wash. Bar 2,639,504, May 26.

May & Baker Limited, assignee: *See*—
Barber, Harry J.

May, Cliff, assignee: *See*—
Choate, Christian E.

May, Edmund R., Lincolnwood, assignor to S cago, Ill. Coin changer and coin cont 2,629,477, Feb. 24.

May, Edward M., assignor to Meco-Pilot Ma Company, Detroit, Mich. Hydraulic appara ing a drive motor and automatic control me motor. 2,625,912, Jan. 20.

May, Edward M., assignor to Meco-Pilot Ma Company, Detroit, Mich. Apparatus for sy the speeds of power-driven mechanisms. Feb. 10.

May, Edward M., Detroit, Mich. Rotary join seal. 2,635,931, Apr. 21.

May, Edwin A., Glen Rock, assignor to Becto and Company, Rutherford, N. J. Inject 2,635,601, Apr. 21.

May, Edwin A., Ridgewood, assignor to Becto and Company, Rutherford, N. J. Injection 2,642,062, June 16.

May, Edwin M., Scarsdale, N. Y., assignor to B Fort Wayne, Ind. Lubricant conditioning 2,660,309, Nov. 24.

May, Erwin, assignor to Ernst Leitz, G. m. b. Germany. Regulator for take-up reels. Oct. 6.

May, Geoffrey B.: *See*—
Fisher, James W., Wheatley, and May.

May, Harold V., Pittsfield, Mass., assignor Electric Company. Lay-out jig. 2,633,644,

May, Harry C., East McKeesport, Pa., assigne inghouse Air Brake Company. Direction sen 2,655,938, Oct. 20.

May, Harry C., East McKeesport, and E. E. He burgh, Pa., assignors to Westinghouse Air pany. Combustion apparatus. 2,658,462, N

May, Hayden C., Jackson, Tenn. Folding boat. Apr. 28.

May, Irving: *See*—
Slavin, Morris, Fletcher, and May.

May, John A., Seattle, Wash. Sliding door loc anism. 2,629,619, Feb. 24.

May, John W., assignor to Deering Millike Trust, Pendleton, S. C. Tail cutter for w chines. 2,634,917, Apr. 14.

May, Milton F., Saginaw, Mich. Sizing 2,660,076, Nov. 24.

May, Otto H., Schwabisch Gmund, Germany cupped shells. 2,654,942, Oct. 13.

May, Otto H., Schwabisch Gmund, Germany. press. 2,664,191, Dec. 29.

May, Paul D.: *See*—
Lee, Robert J., and May.

May, Richard W., Lexington, assignor to Nat pany, Inc., Malden, Mass. Shaft positioning 2,627,957, Feb. 10.

May, Richard W., and R. S. Pyle, assignors Radio Company, Cedar Rapids, Iowa. Auto ing control for radio apparatus and the like. July 14.

May, Sam, assignee: *See*—
May, Edmund R.

May, Sam, assignor of one-half to R. T. Molone Ill. Plural switch coin-control and circui 2,627,962, Feb. 10.

May-Sloan, Inc., assignee: *See*—
Mayer, Siegfried F.

May, Thomas L.: *See*—
Williams, John M., and May.

May, Vivian G., assignor to Checker Cab Man Corporation, Kalamazoo, Mich. Adjustable ture. 2,638,150, May 12.

May, Wallace E., Eureka, Calif. Decorative for spectacles. 2,627,782, Feb. 10.

May, Walter G., Roselle, and G. L. Matheson N. J., assignors to Standard Oil Development Slurry polymerization process. 2,658,933, N

May, Winston E., Rudheath, and T. R. Sc Bridge, England, assignors to Imperial Ch dustries Limited. Production of three-d dendritic sodium chloride crystals. 2,642,33

Maybach, Gerald E., Bowmansville, and A. Lancaster, N. Y., assignors to National Ra pany, St. Paul, Minn. Battery liquid level 2,627,748, Feb. 10.

Maybach, Karl, Friedrichshafen (Bodensee), assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany. Cooling system for the head portion of pistons of high-speed internal-combustion engines. 2,657,678, Nov. 3.

Maybach-Motorenbau G. m. b. H., assignee: *See*— Maybach, Karl.

Mayer, Albert A., Little Falls, N. J. Article counting and conveying apparatus. 2,638,203, May 12.

Mayer, Albert E., Bay City, Oreg. Milking machine. 2,627,840, Feb. 10.

Mayer, Allan, Katonah, N. Y., assignor to General Precision Laboratory Incorporated. Air squeegee. 2,648,089, Aug. 11.

Mayer, Carl F., Lakewood, Ohio. Heating system for vertical industrial ovens of the conveyer type. 2,628,087, Feb. 10.

Mayer, Carl F., Lakewood, Ohio. Drawer operating mechanism. 2,630,927, Mar. 10.

Mayer, Charles H., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Valve core for pneumatic tire valve stems. 2,625,170, Jan. 13.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Automatic ignition and control mechanism for oven burners. 2,637,385, May 5.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven burner control mechanism. 2,637,392, May 5.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Indicator for cooking range ovens. 2,642,132, June 16.

Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Gas-fueled broiler burner for cooking ranges. 2,649,149, Aug. 18.

Mayer, Charles M., and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Control mechanism for oven burners. 2,635,632, Apr. 21.

Mayer, Charles M., and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Automatic ignition and control mechanism for oven burners. 2,637,387, May 5.

Mayer, Charles M., and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Control mechanism for oven burners. 2,637,388, May 5.

Mayer, Charles M., and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Control mechanism for oven burners. 2,637,389, May 5.

Mayer, Charles M., Mansfield, R. L. Perl, Galion, and E. L. Warner, Crestline, assignors to The Tappan Stove Company, Mansfield, Ohio Automatic ignition and control mechanism for gaseous fuel burners. 2,637,393, May 5.

Mayer, Charles M., and S. T. Craig, assignors to The Tappan Stove Company, Mansfield, Ohio. Automatic ignition and control mechanism for gas burners. 2,649,152, Aug. 18.

Mayer, Harry F., Baldwinsville, N. Y., assignor to the United States of America as represented by the Secretary of the United States Air Force. Overload reset circuit. 2,654,052, Sept. 29.

Mayer, Ivan, Summit, N. J., and V. C. Johnson, Knoxville, Tenn., assignors to Standard Oil Development Company. Hydrocarbon synthesis. 2,642,448, June 16.

Mayer, Joseph: *See*— Rockhoff, Bert E., and Mayer.

Mayer, Leonard J.: *See*— Brath, William J., and Mayer.

Mayer, Maurice W.: *See*— Harding, Clarke T., Mayer, and Wright.

Mayer, Mayer, Jr., and G. J. Kyame, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Attachment for weaving high density fabrics. 2,649,864, Aug. 25.

Mayer, Michael, Cleveland, Ohio. Article retaining means for vehicle instrument. 2,643,042, June 23.

Mayer, Oscar, & Co., Inc., assignee: *See*— Selferth, Oscar E.

Mayer, Rudolf L. Marsh, William S., Mayer, Mull, Scholz, and Townley.

Mayer, Siegfried F., assignor to May-Sloan, Inc., Lock Haven, Pa. Venetian blind. 2,643,713, June 30.

Mayer, Simon E., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Production of metal oxalates. 2,636,892, Apr. 28.

Mayer, William, Belle Harbor, N. Y. Necktie having adjustable neckband and band element therefor. 2,662,226, Dec. 15.

Mayers, Horace C., Shaker Heights, Ohio. Traveling display case for shoes. 2,634,835, Apr. 14.

Mayers, John W., Grosse Ile, Mich., assignor to Chadeloid Corporation, Wilmington, Del. Stain filler combination for wood. 2,632,710, Mar. 24.

Mayers, Lewis, New York, N. Y. Card index file. 2,652,833, Sept. 22.

Mayes, Albert H., Endicott, N. Y. Radiant heating system. 2,659,803, Nov. 17.

Mayes, Esther O., executrix: *See*— Mayes, Walter A.

Mayes, Fred M.: *See*— Johnson, Ford L., and Mayes.

Mayes, Robert M., Paoli, Ind. Bird feeder. 2,634,705, Apr. 14.

Mayes, Walter A., deceased, York, Pa., by E. O. Mayes, executrix, Glyndon, Md., assignor to Martin-Parry Corporation, York, Pa. Stud. 2,635,716, Apr. 21.

Mayforth, John H., Queens Village, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,651,729, Sept. 8.

Mayhew, Clifton D., Washington, D. C. Scaffold. 2,634,173, Apr. 7.

Mayhew, David D.: *See*— Hedquist, Milton T., Harroun, Mayhew, Van De Sampel, and Whalen.

Mayhew, Edward H., Youngstown, Ohio. Ironing board basket. 2,637,918, May 12.

Mayhew, Raymond L.: *See*— Sanders, Herbert L., and Mayhew.

Mayhew, Raymond L., Phillipsburg, and J. M. Cross, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Paper pulp foam inhibitor. 2,645,617, July 14.

Mayhew, Robert L., Great Neck, assignor to Hydrocarbon Research, Inc., New York, N. Y. Fluid reactor. 2,664,346, Dec. 29.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluidized iron oxide-natural gas process for manufacturing synthesis gas. 2,628,161, Feb. 10.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Process and apparatus for the manufacture of synthesis gas. 2,655,442, Oct. 13.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Gasifying coal. 2,657,501, Nov. 3.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Gasifying coals. 2,659,668, Nov. 17.

Mayland, Bertrand J., and S. G. Stewart, Bartlesville, Okla., assignors to Phillips Petroleum Company. Making synethesis gas with a 1 :1 ratio H_2 to CO. 2,638,452, May 12.

Maynard, Arthur H., Westerly, R. I., assignor to Bostitch, Inc., Stonington, Conn. Rotary wire-stitching machine. 2,655,654, Oct. 20.

Maynard, Charles E., assignor to Pro-phy-lac-tic Brush Company, Florence, Mass. Making filament bristle brushes. 2,647,019, July 28.

Maynard, John T.: *See*— Miller, William T., and Maynard.

Maynard, John T., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Salicylaldehyde polymeric polyprimary polyamine condensation products. 2,634,253, Apr. 7.

Maynard, Lyman E.: *See*— Stanley, Aubrey H., and Maynard.

Maynard, Onno L., Portland, Oreg. Trash moving fork for tractors. 2,647,649, Aug. 4.

Mayner, Stanley, Cleveland Heights, assignor of two-fifths to T. S. Mayner, Russel Township, Geauga County, Ohio. Automatic transmission. 2,627,764, Feb. 10.

Mayner, Thomas S., assignee: *See*— Mayner, Stanley.

Mayner, Thomas S., Chagrin Harbor, Willoughby Township, Lake County, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread or the like winding and advancing reel. 2,631,354, Mar. 17.

Mayner, Thomas S., Willoughby Township, Lake County, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread-advancing reel. 2,631,382, Mar. 17.

Mayner, Thomas S., Willoughby Township, Lake County, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the manufacture of filamentary yarn. 2,648,117, Aug. 11.

Mayo, Alfred M., Los Angeles, and H. L. Walpole, Culver City, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Pressure-tight tube joint. 2,635,900, Apr. 21.

Mayo, Clyde R.: *See*— Sabel, Edward R., and Mayo.

Mayo, Clyde R., Brighton, and R. W. Benson, Rockport, assignors to The Haloid Company, Rochester, N. Y. Portable electrophotographic powder-image transfer mechanism. 2,626,865, Jan. 27.

Mayo, Clyde R., and B. J. Wolfe, assignors to The Haloid Company, Rochester, N. Y. Adhesive transfer and fixing apparatus. 2,661,289, Dec. 1.

Mayo, Edward, and H. F. Goon, Greenville, Miss. Can opener. 2,638,666, May 19.

Mayo, Louis A., Morristown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Extensible folded terminal for electrical coils. 2,628,996, Feb. 17.

Mayo, William B.: *See*— Norsworthy, Arthur C., Meidinger, Mayo, and Seyffert.

Mayper, Stuart A., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electrodepositing nickel. 2,625,507, Jan. 13.

Mays, Forney D., assignee: *See*— Friday, James D., and Stillwell.

Mays, Wilburt W., Philadelphia, Pa. Dispensing closure for bottles which can be locked in closed condition. 2,625,303, Jan. 13.

Maytag Company, The, assignee: *See*— Duckstein, William F. Scott, William F. Smith, Thomas R. Steward, Colby W.

Mayus, Eugene, Chicago, Ill., and W. G. See, Crown Point, Ind., said Mayus assignor to Submerged Combustion Company of America, Inc., Hammond, Ind. Rotary pump. 2,663,263, Dec. 22.

Mayzel, Mary J., Lansford, assignor of fifty per cent to A. P. Citro, Summit Hill, Pa. Stand. 2,634,075, Apr. 7.

Mazar, Jasper, Binghamton, N. Y. Lathe attachment. 2,643,717, June 30.

Mazee, Willem M., and A. B. Swart, Amsterdam, Netherlands, assignors to Shell Development Company, Emeryville, Calif. Wax refining process. 2,641,569, June 9.

Mazee, Willem M., and H. J. Lools, Amsterdam, Netherlands, assignors to Shell Development Company, Emeryville, Calif. Preparing high-glaze waxed paper. 2,659,683, Nov. 17.

Mazer, Jacob, Germantown, Pa. Sound-absorbing structure. 2,652,126, Sept. 15.

Mazur, Harry: *See*— Terwilliger, David D., Mazur, and Jackson.

Mazur, Paul M., and R. Barnhart, Titusville, N. J.; said Barnhart assignor to said Mazur. Means for housing and feeding livestock. 2,626,591, Jan. 27.

Mazursky, Morris D., assignee: *See*— Johnson, Moses L.

Mazy, Frederic W.: *See*— McDonald, John B., and Mazy.

Mazzagatti, Roy P.: *See*— Crumrine, Kenneth C., and Mazzagatti. Herzog, Gerhard, and Mazzagatti.

Mazzei, Alfred: *See*— Landrey, Leo R., and Mazzei.

Mazzella, Antonio, New Haven, Conn. Oyster dredge hoist gear. 2,648,918, Aug. 18.

Mazzocco, Leandro, New York, N. Y. Viewing device for positive photographic prints. 2,635,371, Apr. 21.

Mazzocco, Leandro, Rosedale, N. Y. Air reatomizer for use in internal-combustion engines. 2,653,621, Sept. 29

Mazzola, Ambrose, Southgate, assignor to Angelus Engineering Corporation, Maywood, Calif. Tractor. 2,655,871, Oct. 20.

McAdam, Will: *See*— Cherry, Robert H., Williams, Tarpley, and McAdam.

McAdam, Will, Ambler, assignor to Leeds and Northrup Company, Philadelphia, Pa. Control system for multiple-point measuring instrument. 2,657,376, Oct. 27.

McAdams, Don R.: *See*— Starr, Charles E., Jr., McAdams, and Billisoly.

McAdoo, Harold, Bartlesville, Okla. Dental impression tray. 2,634,500, Apr. 14.

McAfee, Jerry, Oakmont, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Catalytic reactor. 2,639,224, May 19.

McAfoos, Herbert W., assignee: *See*— Neely, Walter W.

McAlister, Henry, Worcester, Mass. Stepladder. 2,643,808, June 30.

McAlister, J. G., Inc., assignee: *See*— Rose, Jess C.

McAlhaster, George R., Rochester, N. Y. Mechanism for marking and cutting trousers. 2,658,276, Nov. 10.

McAllister, Austin R., Cleveland, Ohio. Efficiency desk. 2,633,398, Mar. 31.

McAllister, Clyde M., assignor to The Majax Co., Waco, Tex. Liquid clarification processes and systems. 2,633,453, Mar. 31.

McAlpine, Harry, Buffalo, and H. F. Hoerig, Grand Island, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington Del. Film washing process. 2,634,221, Apr. 7.

McAlpine, Lawrence W., Savannah, Ga., assignor of one-half to L. A. McAlpine, Portsmouth, Va. Hydraulic link in brake mechanism. 2,626,021, Jan. 20.

McAlpine, Louis A., assignee: *See*— McAlpine, Lawrence W.

McAndrews, John J., Hempstead, N. Y. Apparatus for evaporating liquids. 2,663,683, Dec. 22.

McAneny, Michael J.: *See*— Schlage, Ernest L., Craig, and McAneny.

McArn, Theodore A., assignor to Downingtown Manufacturing Company, Downingtown, Pa. Expansible roll shaft. 2,625,338, Jan. 13.

McArron, Roger A., Somerset, Ohio. Variable resistance auxiliary electrical receptacle for electrical lighting appliances. 2,646,489, July 21.

McArthur, Donald W., Salt Lake City, Utah, assignor to Filmsort Inc. Cutter for film take-up magazines. 2,663,514, Dec. 22.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for inspecting cavities. 2,630,472, Mar. 3.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Velocity modulation electron discharge device. 2,632,866, Mar. 24.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Frequency response system. 2,640,922, June 2.

McArthur, Ralph F., Huntington Park, Calif., mesne assignments, to Dresser Equipment land, Ohio. Fluid-operated free pump with vice. 2,652,779, Sept. 22.

McAtee, W. Peter, assignee: *See*— Jones, William H.

McAulty, David J., and H. E. G. Richard and E. W. Clark, Lower Sydenham, assigno Holdings Limited, London, England. Rad 2,639,426, May 19.

McAvoy, Donald F., Belmar, N. J. Radio obj system. 2,654,883, Oct. 6.

McBean, Douglas M.: *See*— Lewis, Irving R., and McBean.

McBean, Douglas M., Rochester, assignor, by m ments, to Carter Products, Inc., New Y Charging liquid products and volatile prop pressure containers. 2,641,399, June 9.

McBean, Douglas M., Rochester, N. Y., assi Products, Inc. Apparatus for charging liqu and volatile propellants into pressure 2,661,885, Dec. 8.

McBee Company, The, assignee: *See*— Burke, William F., and Simpson. Connor, Roger, and Hooe. Dutro, Lyle V., and Nameth. Dutro, Orville, and Nameth. Dutro, Orville V., and L. V. Dutro, and N Hooe, Hunter E. Lontz, Dudley M. Welk, Nelson S.

McBee, Earl T., assignor to Purdue-Research West Lafayette, Ind. Fluorination. 2,637,

McBee, Earl T., assignor to Purdue Research Lafayette, Ind. Halodiethylbenzenes. 2,63 19.

McBee, Earl T., assignor to Purdue Research West Lafayette, Ind. Halogenaiton of fu 2,644,845, July 7.

McBee, Earl T., and J. S. Newcomer, assignor Research Foundation, West Lafayette, Ind. rocyclopentenone preparation. 2,650,939, S

McBee, Earl T., and J. S. Newcomer, assignor Research Foundation, West Lafayette, Ind. tone. 2,658,918, Nov. 10.

McBeth, Charles M., Walla Walla, Wash. fire hoses. 2,651,312, Sept. 8.

McBride, Charles B., Port Chester, N. Y., P. S. R. Orem, Jr., Riverside, assignors to T Corporation, Greenwich, Conn. Apparatus ing suspended particles from gases. 2,625,2

McBride, Charles B., Port Chester, N. Y., and Riverside, assignors to The Thermix Greenwich, Conn. Apparatus for separatin particles from gases. 2,632,527, Mar. 24.

McBride, Edward J., Philadelphia, Pa. Pi holder. 2,636,696, Apr. 28.

McBride, Emerson L., Bakersfield, Calif. Kn 2,643,900, June 30.

McBride, Eugene B., Philadelphia, Pa., assigno Biabon Corporation, Hutchinson Mills, N. J. ering and felt base material. 2,638,638, May

McBride, John V., Lebanon, assignor to The I & Cable Corporation, Jewett City, Conn. electric conductor. 2,663,755, Dec. 22.

McBride, John W., assignor to Bantar, Incorpo bank, Calif. Stringed musical instrument. Apr. 7.

McBride, John W., assignor to Bantar, Incorpo bank, Calif. Stringed musical instrument h larly adjustable string contacting 2,658,419, Nov. 10.

McBride, Richard A., Alton, Ill. Self-unloa body. 2,653,724, Sept. 29.

McBride, Robert D., Minneapolis, Minn. Sn box for permanent installation. 2,635,563.

McBride, William E., Woodstown, N. J. Aut fountain or bath. 2,651,321, Sept. 8.

McBurney, Charles H., Philadelphia, Pa. Halo vinyl-aromatic copolymers. 2,629,710, Feb.

McBurney, Charles H., assignor to Rohm & pany, Philadelphia, Pa. Ion-exchange pur sugar. 2,635,061, Apr. 14.

McBurney, Walter G.: *See*— Williams, Audley O., and McBurney.

McCabe, Ernestine, assignee: *See*— McCabe, Walter A.

McCabe, Harold, Somerville, Mass. Drapery looper. 2,637,384, May 5.

McCabe, Helen C., assignee: *See*— Dawson, John H.

McCabe, Ira E., Chicago, Ill. Voltage regula 2,624,818, Jan. 6.

McCabe, Ira E., Chicago, Ill. Control means fo distribution. 2,627,013, Jan. 27.

McCabe, Ira E., Chicago, Ill. Electric switch cury type. 2,644,870, July 7.

McCabe, John B., and A. H. Luedicke, Jr., Milwa assignors, by mesne assignments, to Che Corporation, Chicago, Ill. Bottle carryi 2,660,290, Nov. 24.

McCabe, John J.: *See*— Menard, Clifford G., and McCabe.

McCabe, Joseph B., and P. G. Marconi, assignors to Import Products Company, Incorporated, Ridgefield, Conn. Device for dispensing liquid preparations through a brush. 2,659,919, Nov. 24.
McCabe-Powers Auto Body Co., assignee: *See*—
Balogh, Roy O.
Humpal, Eugene G., and Balogh.
Smid, James, Smith, and Leskovec.
McCabe, Selden P., Jr.: *See*—
Campbell, David J., McCabe, and Harris.
McCabe, Walter A., assignor to E. McCabe, East Haddam, Conn. Duplex album leaf for photographic prints. 2,637,325, May 5.
McCaffrey-Ruddock Tagline Corporation, assignee: *See*—
Griffitts, Henry V.
Leroy, Louis.
McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Rotary hopper for orienting transmitter caps. 2,631,714, Mar. 17.
McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for capping transmitters. 2,662,646, Dec. 15.
McCaleb, Albert G., assignee: *See*—
Minor, Charles G.
McCaleb, Ruth F., executrix: *See*—
Minor, Charles G.
McCall Corporation, assignee: *See*—
Fogg, Robert E.
McCallen, Perry S., and H. W. Jones, Knoxville, Tenn., assignors to Sanford Investment Company, Wilmington, Del. Wheel and axle assembly. 2,628,859, Feb. 17.
McCallick, William P., and Y. L. Sanchez, Los Angeles, Calif. Counting and packing machine. 2,645,397, July 14.
McCallion, Joseph, assignee: *See*—
Hix, Howard J.
McCallum, Frederick C., Williamsville, N. Y., assignor to American Optical Company, Southbridge, Mass. Haemacytometer and the like. 2,660,091, Nov. 24.
McCallum, Robert A.: *See*—
Vanderzee, Harry H., and McCallum.
McCallum, Robert A., Clarendon Hills, Ill., assignor to Joy Manufacturing Company. Reversible mounting for drilling apparatus. 2,626,782, Jan. 27.
McCallum, Robert A., Clarendon Hills, Ill., assignor, by mesne assignments, to AMI Incorporated. Credit unit. 2,658,171, Nov. 3.
McCallum, Robert A., Clarendon Hills, assignor to Goodman Manufacturing Company, Chicago, Ill. Power drive connection for combined rotatable and oscillatable mining tools. 2,659,585, Nov. 17.
McCallum, Robert A., Michigan City, Ind., assignor to Joy Manufacturing Company. Fluid flow regulator. 2,644,482, July 7.
McCammant, Leonard H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Mercury switch mounting. 2,650,274, Aug. 25.
McCammant, Leonard H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Pilot burner heat dissipator. 2,655,913, Oct. 20.
McCammon, Robert F., assignor to Helland Research Corporation, Denver, Colo. Multispeed transmission. 2,660,899, Dec. 1.
McCandless, Edward L.: *See*—
Murphy, John J., Gaines, and McCandless.
McCandless, Field F., assignor of thirty-three and one-third percent to A. Gollob and thirty-three and one-third percent to F. T. Walton, Houston, Tex. Hot dog barbecue and bun warmer. 2,649,852, Aug. 25.
McCandless, James M., and L. Bentz, Chico, Calif. Side-delivery rake. 2,637,967, May 12.
McCandless, Stanley, Hamden, Conn., assignor to Century Lighting, Inc., New York, N. Y. Reflector for controlling at a predetermined angle direct and indirect rays from a light source. 2,640,148, May 26.
McCandless, William, Toledo, Ohio. Tank head fitting with safety factor. 2,624,821, Jan. 6.
McCandless, William, Toledo, Ohio. Electric speedometer. 2,657,919, Nov. 3.
McCann, Clyde D., Des Moines, Iowa. Lighting fixture for elongated tubular fluorescent lamps. 2,640,911, June 2.
McCann, Frank H., Salinas, Calif., and W. J. Schwertfeger, West Englewood, N. J., assignors to I. McCann, Salinas, Calif. Lettuce pack. 2,652,696, Sept. 22.
McCann, Ione, assignee: *See*—
McCann, Frank H., and Schwertfeger.
McCann, Kathleen M., Weehawken, N. J. Clothes catcher for ironing boards. 2,639,522, May 26.
McCann, Keith, Taylorville, and R. F. Lo Presti, assignors to Goodman Manufacturing Company, Chicago, Ill. Conveyer loading station. 2,661,829, Dec. 8.
McCann, Michael, Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Automatic button-clamp lifting means. 2,645,192, July 14.
McCann, William J., Berea, Ohio. Means for preventing ice formation in jet propulsion and gas turbine engines. 2,647,366, Aug. 4.
McCargar, George L., Detroit, Mich. Centrifuge. 2,625,269, Jan. 13.
McCarten, F. M., assignee: *See*—
Perry, Guy A.
McCarthy, Angeline T., Oak Park, Ill. Necktie construction. 2,653,325, Sept. 29.
McCarthy, Calvin D.: *See*—
Martin, Erle, and McCarthy.
McCarthy, Denis, and A. D. F. Smith, assignors to Rolls-Royce Limited, Derby, England. Flame tube having telescoping walls with fluted ends to admit air. 2,625,792, Jan. 20.
McCarthy, Elmer T., Hamilton, Ohio, assignor to Klipfel Valves Inc., Division of Hamilton-Thomas Corp. Sealed toggle valve operating mechanism. 2,626,124, Jan. 20.
McCarthy, Frank J., Freeport, assignor to Holland Mfg. Co., Inc., New York, N. Y. Monofilament thread and making same. 2,660,546, Nov. 24.
McCarthy, George D., Detroit, and A. H. Edwards, Farmington, assignors to Chrysler Corporation, Highland Park, Mich. Spring cover. 2,631,843, Mar. 17.
McCarthy, Harold M., Rahway, N. J., assignor to Standard Oil Development Company. Auxiliary operated pressure relief valve. 2,635,627, Apr. 21.
McCarthy, James F., Mars, Pa., assignor to Treesdale Laboratories and Textile Processing Company, Inc. Mattress construction. 2,624,894, Jan. 13.
McCarthy, John C., assignee: *See*—
Culver, Harry D.
McCarthy, John F., assignee: *See*—
Stevens, Carl L.
McCarthy, Laurence O., Lakewood, Colo. Safety harness for automobiles. 2,649,145, Aug. 18.
McCarthy, Lawrence J., Hawthorne, N. J., assignor to Chemical Construction Corporation, New York, N. Y. Fluid heater. 2,660,519, Nov. 24.
McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating compositions. 2,662,056, Dec. 8.
McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating compositions. 2,662,057, Dec. 8.
McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Petroleum lubricating jelly. 2,662,058, Dec. 8.
McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating compositions. 2,662,059, Dec. 8.
McCarthy, Robert B., Cleveland, Ohio, assignor to General Electric Company. Suction cleaner nozzle and brush. 2,655,682, Oct. 20.
McCarthy, Timothy F., Indiana, Pa. Automatic car loading station. 2,659,498, Nov. 17.
McCartney, Earl, Rockville Centre, and G. J. Watt, Uniondale, assignors to The Sperry Corporation, Great Neck, N. Y. Reversible servo apparatus. 2,652,523, Sept. 15.
McCartney Engineering & Research Corporation, Inc., assignee: *See*—
McCartney, Joseph A.
McCartney, Joseph A., assignor, by mesne assignments, to McCartney Engineering & Research Corporation, Inc., Baxter Springs, Kans. Automatic tank valve for flow lines. 2,660,188, Nov. 24.
McCarty, Harry D., Chicago, Ill. Photographic light comparator for determining diaphragm adjustment. 2,649,017, Aug. 18.
McCarty, John E. D., Wilmette, assignor of one-half to H. C. Gould, Chicago, Ill. Internal-combustion engine. 2,633,113, Mar. 31.
McCarty, Leeman J., Kalamazoo, Mich. Sectional carbon electrode. 2,657,326, Oct. 27.
McCarty, Lewis C., Jr., and H. G. Felio, assignors to The Marine Aircraft Corporation, New York, N. Y. All-weather airplane. 2,642,238, June 16.
McCarty, Lourdes V., and R. L. Vicenzi, Milwaukee, Wis., assignors to A P Controls Corporation. Fuel control device. 2,627,911, Feb. 10.
McCarty, Thad B., Oakland, Calif. Basic structure for auxiliary seats or the like. 2,657,739, Nov. 3.
McCarty, Walter P., Oak Park, Ill., assignor to General Electric Company. Clothes-washing machine. 2,646,673, July 28.
McCarvell, John H.: *See*—
Carlisle, Willis C., and McCarvell.
McCaughna, James R., San Jose, Calif. Treating fruit waste. 2,664,356, Dec. 29.
McCaul, Edward W.: *See*—
Boyko, John, and McCaul.
McCaulay, David A.: *See*—
Lien, Arthur P., and McCaulay.
McCaulay, David A., Chicago, Ill., and A. P. Lien, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Disproportionation of diethylbenzene 2,644,017, June 30.
McCaulay, David A., Chicago, Ill., and A. P. Lien, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Isomerization of xylenes. 2,662,925, Dec. 15.
McCauley, Myron D., Huntington Woods, assignor to Rinshed-Mason Company, Detroit, Mich. Closure cap and pouring spout unit. 2,636,643, Apr. 28.
McCauley, Walter P., San Francisco, Calif. Clothes pole supporting bracket. 2,624,468, Jan. 6.
McChesney, Cuyler S., Kenmore, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for continuous frothing of rubber latex. 2,649,287, Aug. 18.
McChesney, Donald S., Solvay, assignor to Hall & McChesney, Inc., Syracuse, N. Y. Flat film viewer. 2,660,920, Dec. 1.

McChesney, Howard H., Bala-Cynwyd, assignor to The Welsbach Corporation, Philadelphia, Pa. Gas meter connection means. 2,632,328, Mar. 24.
McChesney, James R.: *See*—
Ogden, Laurence A., McChesney, and McDonald.
McClain, Julius J.: *See*—
Pershing, William H., McClain, and Fulwider.
McClain, Thomas H., Altadena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Dual hydraulic swivel joint. 2,659,615, Nov. 17.
McClary, Lee R.: *See*—
Machlan, George R., McClary, and Prickett.
McClaskey, Paul L., Phoenixville, Pa. Oil gauge rod wiper. 2,650,384, Sept. 1.
McClave, Edison J.: *See*—
Sanders, Elmore J., Wiens, and McClave.
McClay, Gordon F., Lennoxville, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Reciprocatory engine. 2,629,363, Feb. 24.
McClay, Gordon F., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Water seal for log barking drums. 2,658,539, Nov. 10.
McCleary, Jason L., and R. E. Lowey, Jr., Mount Vernon, Ohio, assignors to Shellmar Products Corporation, Chicago, Ill. Apparatus for and methods of aligning webs for lamination. 2,641,416, June 9.
McCleary, Rush F.: *See*—
Conary, Robert E., and McCleary.
McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Means for combining frequencies. 2,626,357, Jan. 20.
McClellan, Cyril E., Glen Burnie, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic tuning of resonant circuits. 2,653,243, Sept. 22.
McClellan, Henry A., Jacksonville, Fla. License tag fastener. 2,637,240, May 5.
McClellan, Joseph E., assignor to himself and La V. S. McClellan, Oakland, Calif. Cutting die mounting and ejector. 2,643,715, June 30.
McClellan, La Verne S., assignee: *See*—
McClellan, Joseph E.
McClellan, Marcus E., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Bale or bundle handling means for baling presses or the like. 2,649,945, Aug. 25.
McClellan, Ralph E., assignor to Mellink Steel Safe Company, Toledo, Ohio. Detachable hinge. 2,644,192, July 7.
McClellan, William R., Kennett Square, Pa., and H. B. Stevenson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating polyvinyl alcohol fibers. 2,636,804, Apr. 28.
McClelland, Arthur H., and K. R. Anderson, Los Angeles, Calif. Can label sorting device. 2,640,590, June 2.
McClelland, Arthur J., Holley, A. L. Zambito, and S. J. Minneci, Albion, N. Y. Bag-filling machine with adjustably mounted article guide rails. 2,626,094, Jan. 20.
McClelland, Clarence P., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper drive apparatus. 2,660,894, Dec. 1.
McClelland, Kenneth, Chicago, Ill. Belt drive for grind mill roll stands. 2,655,815, Oct. 20.
McClelland, Leichti M.: *See*—
Julian, Percy L., Iveson, and McClelland.
McClelland, Ralph E., assignor to Mellink Steel Safe Company, Toledo, Ohio. Filing cabinet locking controls. 2,653,070, Sept. 22.
McCleskey, James W., Sr., assignee: *See*—
Theobald, Louis R., Sr.
McClintock, Frank A., Watertown, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Dirt trap for turbine cooling air. 2,632,626, Mar. 24.
McClintock, Frederick N., Jr., Havre de Grace, Md. Assembling elevator lift mechanism. 2,625,258, Jan. 13.
McClinton, Arthur T.: *See*—
Brancato, Emanuel L., and McClinton.
McCloud, Dwite M.: *See*—
Rohrback, Gilson H., and McCloud.
Rohrback, Gilson H., McCloud, and Scott.
Rohrback, Gilson H., McCloud, and Scott, Jr.
McCloy, Graham S.: *See*—
Blankenship, William G., Jr., and McCloy.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,645,094, July 14.
McClung, Alfred R.: *See*—
Wallace, James M., and McClung.
McClure, Charles A., assignee: *See*—
Disera, Samuel J.
McClure, Glenn T.: *See*—
Rush, John W., and McClure.
McClure, Hugh M., Chicago, Ill., assignor to Kenffel & Esser Company, Hoboken, N. J. Ruling or lining instrument. 2,634,707, Apr. 14.
McClure, Milton B., Atlanta, Ga. Ladder work platform. 2,641,511, June 9.
McClure, Nicholas, Chicago, Ill., and S. D. Stacy, assignors to American Box Board Company, Grand Rapids, Mich. Sheet stacking and delivering machine. 2,655,272, Oct. 13.
McClure, William L., Toledo, Ohio, assignor to Sun Oil Company, Philadelphia, Pa. System for elevating contact material. 2,659,633, Nov. 17.
McClure, William L., Arden, Del., and R. N. [illegible] to Sun Oil Company, Philadelphia, P[a]. 2,640,358, June 2.
McCluskey, Alvin J., San Antonio, Tex. Po[rtable] saw guide with an adjustable and tilta[ble] 2,627,287, Feb. 3.
McColgan, John M., Los Angeles, Calif., [assignor, by] mesne assignments, to Stauffer Chemic[al Co.] Making compositions for battery boxe[s] July 28.
McColgan, John M., Los Angeles, Calif., [assignor to] Stauffer Chemical Company. Battery box[es] July 28.
McColl, Thomas P., Troy, assignor, by mesne [assignments] to Chas. Brown Display Inc., New York, [N. Y.,] holding device. 2,625,762, Jan. 20.
McColpin-Christie Corp., assignee: *See*—
Christie, Soren L., and Marshall.
McComb, Clarence L., South Gate, Calif. Ope[n end] wrench. 2,630,037, Mar. 3.
McComb, William P., Jr., Conroe, Tex. Log [loading] ing revolving finils. 2,655,961, Oct. 20.
McCombie, John T.: *See*—
Coppock, Mulligan, McCombie and White.
McCombs, Marvin W., Statesville, N. C. Di[sclosing] ratus for truck bodies and trailers. 2,630,[244]
McConaha, Elsie J.: *See*—
McConaha, Samuel, Jr., Bills, and McCo[nnell]
McConaha, Samuel, Jr., J. N. Bills, and E. [L.] Indianapolis, Ind. Receipting and deposit [system] 2,662,472, Dec. 15.
McConaghey, Philip H., Pittsburg[h], Pa., [assignor to] United States Steel Corporation. Strip tr[ansfer] 2,651,031, Sept. 1.
McConnaughay, Kenneth E., West Lafayett[e, Ind.,] paring a paving composition. 2,626,875, J[an.]
McConnaughy, Walter H., Washington, D. [C.,] fastener means. 2,626,097, Jan. 20.
McConnel, Stewart P., Beaver, Pa. Resilie[nt] applying clamp. 2,632,349, Mar. 24.
McConnell, Clarence J.: *See*—
Vallorani, Ben J., and McConnell.
McConnell, Frank, assignor to The Americ[an] Corporation, New Britain, Conn. Lock[s] Apr. 28.
McConnell, Frank J., assignor to The Am[erican] ware Corporation, New Britain, C[onn.] 2,644,706, July 7.
McConnell, Frank J., and I. J. Fletcher, [assignors to] The American Hardware Corporation, [New] Conn. Lock mechanism. 2,645,927, July [7,]
McConnell, Glenn, assignor of one-third to [M.] Pontiac, Mich. Colostomy unit. 2,656,[160]
McConnell, Harry C., Harpster, Idaho. Squ[are] level. 2,628,427, Feb. 17.
McConnell, John A., Newark, assignor of thi[rd] M. L. Avila, Niles, Calif. Shower head. 2,[644,]17.
McConnell, Kenneth R., Red Bank, N. J., a[nd] zan, assignors to Times Facsimile Corp[.,] York, N. Y. Starting and switching cont[rol] for facsimile recorders. 2,640,874, June 2[,]
McConnell, Melba, assignee: *See*—
McConnell, Glenn.
McConnell, Ralph S., Silver Spring, Md. Se[e] container. 2,651,432, Sept. 8.
McConnell, Robert A., Cambridge, Mass., [assignor, by] mesne assignments, to the United State[s] as represented by the Secretary of War. [Pro]ject indication receiver circuit. 2,644,15[0]
McConnell, Robert A., Cambridge, Mass., [assignor, by] mesne assignments, to the United States [of America] represented by the Secretary of War. Rad[ar] distinguishing moving targets from stati[onary] 2,653,311, Sept. 22.
McConnell, Robert A., Cambridge, Mass., [assignor, by] mesne assignments, to the United States [of America] represented by the Secretary of War. [Pulse] indicating radar system. 2,658,195, Nov. 3[,]
McConnell, Zack W., Italy, Tex. Friction [draw] tension tables. 2,635,934, Apr. 21.
McConnohie, Duane V., Galesburg, Mich. Pu[mp] therefor. 2,627,233, Feb. 3.
McConnohie, Edward S.: *See*—
Garner, Lawrence M., and McConnohie.
McCoppin, Everett R., Dayton, Ohio. Wa[ter] 2,654,843, Oct. 6.
McCord Corporation, assignee: *See*—
Cooper, James H.
Urso, Ralph F., Gardes, and Carleton.
McCord, Georgie P.: *See*—
Hiatt, Herbert D., McCord and Peterson.
McCord, Hester E., Toccoa, Ga. Bushing [for] 2,646,619, July 28.
McCord, Joses, Hollywood, Calif. Bo[at] 2,640,283, June 2.
McCorkle, D. H., Co., assignee: *See*—
McCorkle, Donald H., Jr.
McCorkle, Donald H., Jr., assignor to D. H. [McCorkle] Berkeley, Calif. Manual control means [for] statically controlled float valves. 2,634,0[72]
McCorkle, James B., Evanston, Ill. Prod[uct] hardboard. 2,654,296, Oct. 6.

McCormack, Foster D., International Falls, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Thickness indicator. 2,641,058, June 9.
McCormack, John C., Pensacola, Fla., and J. L. White, Montgomery, Ala., assignors to Four-Way Awning Company, Pensacola, Fla. Metal awning or like structure. 2,644,207, July 7.
McCormack, Robert B., and A. F. Langlykke, Highland Park, and D. Perlman, Princeton, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Producing streptomycin and vitamin B_{12}. 2,636,300, Oct. 20.
McCormack, William B., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of substituted phosphacyclopentene dihalides. 2,663,736, Dec. 22.
McCormack, William B., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Substituted phosphacyclopentene oxides and preparing them. 2,663,737, Dec. 22.
McCormack, William B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted phosphacyclopentene sulfides and preparing them. 2,663,738, Dec. 22.
McCormack, William B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted phosphacyclopentane oxides and preparing them. 2,663,739, Dec. 22.
McCormick, Alan G., assignee: *See*—
Mashinter, William H.
McCormick, Charles A.: *See*—
Moore, Walter W., and McCormick.
McCormick, Charles E., Dearborn, Mich. Trim fastening means for vehicle seats. 2,661,051, Dec. 1.
McCormick, Francis A.: *See*—
Wilske, Julius E., Benoit, and McCormick.
Wilske, Julius E., McCormick, and Politsch.
McCormick, Francis H., and R. R. Candor, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Domestic appliance control. 2,630,515, Mar. 3.
McCormick, Francis H., and K. Clark, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Clothes washing machine and agitator therefor. 2,642,733, June 23.
McCormick, Harold R., Winslow, Ariz. Jointer knife setting gauge. 2,641,847, June 16.
McCormick, Hubert J., Chicago, Ill., assignor to Link-Belt Company. Quick-release overhead trolley conveyer hook. 2,644,407, July 7.
McCormick, Jerry R. D., Pearl River, N. Y., and S. A. Muller, Dumont, N. J., assignors to American Cyanamid Company, New York, N. Y. Recovery of vitamin B_{12} with monohalophenols. 2,643,968, June 30.
McCormick, Margery D., assignee: *See*—
Mashinter, William H.
McCormick, Michael, assignor of one-half to G. Candler, New York, N. Y. Automatic shoe rest and support. 2,639,457, May 26.
McCormick, William E., assignor to Invisible Glass Company of America, Inc., New York, N. Y. Display window. 2,641,953, June 16.
McCormick, William E., New York, N. Y. Resetting device for clinical thermometers. 2,651,943, Sept. 15.
McCouch, Gordon P., Mountain Lakes, assignor to Aircraft Radio Corporation, Boonton, N. J. Monitored power output system for resonator cavities. 2,642,472, June 16.
McCourty, William D., Goldthorn Park, Wolverhampton, and S. R. Tyler, Willenhall, assignors to H. M. Hobson Limited, London, England. Speed, acceleration, and pressure controls for servomotor systems. 2,633,830, Apr. 7.
McCowan, David A., Toronto, Ontario, Canada. Collapsible valve for dispensing apparatus and the like. 2,652,222, Sept. 15.
McCoy, Carl J., Orcutt, Calif. Perforation cleaning device. 2,661,065, Dec. 1.
McCoy, Le Roy J., Jr., Richmond, Calif. Ice-cream scoop. 2,638,857, May 19.
McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Automatic tracking system. 2,647,258, July 28.
McCoy, Rawley D., Bronxville, and R. Scheib, Jr., Hempstead, assignors to The Sperry Corporation, Great Neck, N. Y. Course selector system. 2,634,067, Apr. 7.
McCoy, Robert L., Baltimore, Md., assignor to General Electric Company. Suspension clamp. 2,660,388, Nov. 24.
McCracken, Charles C., Chicago, Ill. Audio pickup device. 2,643,729, June 30.
McCracken, Collins P., Inglewood, and E. L. Chrisman, South Gate, Calif. Auxiliary steam generator for steam pressing irons. 2,624,828, Jan. 6.
McCracken, James W., Leechburg, Pa. Crating system for sheet material or the like. 2,661,837, Dec. 8.
McCracken, James W., Leechburg, Pa. Crating system for sheet material or the like. 2,661,838, Dec. 8.
McCracken, John L., Erie, Pa. Cigarette lighter case 2,639,598, May 26.
McCracken, William T.: *See*—
Meyer, Harry A., and McCracken.
McCray, Donald C.: *See*—
McCray, Donald E., and D. C.
McCray, Donald E., and D. C. McCray, Fairview, Pa. Wire and tubing rolling machine. 2,650,509, Sept. 1.
McCray Refrigerator Company, Inc., assignee: *See*—
Bently, George K.
Grelling, David J.
McCreary, Elmer J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Means and method for measuring and controlling hydrate forming conditions. 2,643,541, June 30.
McCreary, Leo R.: *See*—
Mears, Roy A., and McCreary.
McCreary, Ralph L.: *See*—
Harris, Donald B., and McCreary.
McCreary, Ralph L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Current integrator. 2,637,820, May 5.
McCreery, Robert W., Port Washington, assignor to Phillips-Jones Corporation, New York, N. Y. Shirt collar. 2,651,043, Sept. 8.
McCreight, John H.: *See*—
McCreight, Noal L. and J. H.
McCreight, Noal L. and J. H., San Jose, Calif., assignors of one-third to C. L. Valentine. Electric row-crop thinning machine. 2,632,285, Mar. 24.
McCrery, Harold E., assignor to Master Vibrator Company, Dayton, Ohio. Flexible shaft. 2,655,012, Oct. 13.
McCroba, Charles, Shadyside, Ohio. Device for cleaning the grooves and lips on can openings and lids. 2,652,582, Sept. 22.
McCrory, Lois W., Jeffersonville, Ga. Bed covering. 2,644,962, July 14.
McCrossen, Fred C., S. M. Parmerter, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Color couplers containing isophthalic acid radicals. 2,652,329, Sept. 15.
McCuaig, Douglas E.: *See*—
Everett, Charles E., and McCuaig.
McCulstion, Tommy J., Euclid, assignor to Precision Rubber Products Corporation, Dayton, Ohio. Sealing assembly. 2,647,810, Aug. 4.
McCulston, Roy L.: *See*—
New, Sam H., Jr., and McCulston.
McCulley, John H., Baytown, and H. P. Dayton, Channelview, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Cracking residual fractions containing salts. 2,626,892, Jan. 27.
McCullough, David S., New York, N. Y. Machine-tool unit. 2,629,292, Feb. 24.
McCullough, Donald J., Downers Grove, Ill. Spring group. 2,639,914, May 26.
McCullough, Jack A.: *See*—
Eitel, William W., McCullough, and Sorg.
McCullough, Kenneth V., Plainfield, and L. D. Maines, Bloomfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Thermosetting wood filler composition. 2,630,395, Mar. 3.
McCullough, Patrick E., Chicago, Ill. Joint for roofing or like sheets. 2,654,328, Oct. 6.
McCullough, Paul J., assignor, by mesne assignments, to The Toastswell Company, Inc., St. Louis, Mo. Connector bolt. 2,635,312, Apr. 21.
McCullough, Paul J., assignor to The Toastswell Company, Inc., St. Louis, Mo. Toaster with quick release crumb tray. 2,655,095, Oct. 13.
McCullough, Stirling E., assignor to Brown and Root, Inc., Houston, Tex. Pedestal. 2,653,451, Sept. 29.
McCune, Frederick S., Pittsburgh, Pa. Car dumper. 2,663,438, Dec. 22.
McCune, Joseph C., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Friction element for disk brakes. 2,656,020, Oct. 20.
McCune, Joseph C., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Reinforced cast brake shoe. 2,656,022, Oct. 20.
McCune, William J., Jr.: *See*—
Rogers, Howard G., and McCune.
McCune, William J., Jr., South Lincoln, assignor to Polaroid Corporation, Cambridge, Mass. Composite photographic print-receiving sheet. 2,653,530, Sept. 29.
McCurdy, Nan W., Coral Gables, Fla. Educational toy. 2,663,096, Dec. 22.
McCurdy, Robert J., Bridgeboro, N. J., assignor to Radio Corporation of America. Trigger circuit. 2,640,153, May 26.
McCurdy, William H., Caldwell, J. H. Findlay, Upper Montclair, and L. C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radiation counter. 2,654,041, Sept. 29.
McCure, William H.: *See*—
Murray, Royce L., McCure, and Garrison.
McCurry, Eugene T., and J. A. Oppel, Aldan, and M. J. Quinlan, Philadelphia, Pa., assignors to General Electric Company. Circuit restorer. 2,633,514, Mar. 31.
McCusker, John H., Dallas, Pa., assignor to Native Laces & Textiles, Incorporated, New York, N. Y. Apparatus for separating pieces of fabric joined by soluble threads. 2,653,466, Sept. 29.
McCutchan, Roy T.: *See*—
Kobe, Kenneth A., and McCutchan.
McCutchen, John E., assignor to The Coleman Company, Inc., Wichita, Kans. Downdraft burner. 2,637,376, May 5.

McCutchen, Joseph K., Ellijay, Ga. Sewing and tufting fabric sections. 2,649,748, Aug. 25.
McCutcheon, Brunson S., assignee: *See*—
Griffin, Dana A.
McCutcheon, James, & Co., assignee: *See*—
Dumble, Paul E. and W. J., and Dowling.
McDaid, Neil J., Charleston, S. C. Portable fluorescent sun lamp. 2,630,520, Mar. 3.
McDaniel, Drezel D.: *See*—
Morgan, Sam D., and McDaniel.
McDaniel, Ernest C., Denver, Colo. Front wheel dolly for trailers. 2,634,986, Apr. 14.
McDaniel, Lloyd E., Plainfield, and Harold B. Woodruff, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Cyanide ion in production of vitamin B_{12}. 2,650,896, Sept. 1.
McDavid, Patrick M., Fort Worth, Tex. Counting machine. 2,633,077, Mar. 31.
McDavid, Ralph H.: *See*—
Hicks, John N., Supy, and McDavid.
McDavitt, Marcellus B., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiant energy signaling station. 2,649,541, Aug. 18.
McDermott, Francis A., assignor to Bastian Bros. Co., Rochester, N. Y. Emblem or the like holder attachment for automobile license plates. 2,636,299, Apr. 28.
McDermott, Francis R., Franklin, Mass. Making needled fabric. 2,635,322, Apr. 21.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning or extrusion apparatus. 2,624,070, Jan. 6.
McDermott, Henry J., Collingdale, Pa. Lawn mower with auxiliary cutter-feeder. 2,630,668, Mar. 10.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Strand-catching device. 2,634,491, Apr. 14.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Adjustable thread advancing roll. 2,639,486, May 26.
McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Liquid applicator for yarn. 2,642,035, June 16.
McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for liquid treatment of strands. 2,634,597, Apr. 14.
McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Lubricating oil additive. 2,631,132, Mar. 10.
McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. Rust inhibiting composition. 2,631,979, Mar. 17.
McDevitt, John, Margate, N. J. Can perforator. 2,627,111, Feb. 3.
McDevitt, Leo G., Lincoln Park, Mich. Mirror support. 2,643,847, June 30.
McDonald, Angus, assignor to Baldwin Rubber Company, Pontiac, Mich. Apparatus for manufacturing floor mats. 2,654,910, Oct. 13.
McDonald, Angus, and J. R. Strobel, assignors to Baldwin Rubber Company, Pontiac, Mich. Apparatus for extruding pellets. 2,641,799, June 16.
McDonald, B. F., Company, assignee: *See*—
Lewis, Howard B., and Field.
McDonald, Dan, assignor to Aurora Research Industries, Inc., Aurora, Ill. Apparatus for cold dry cleaning. 2,656,696, Oct. 27.
McDonald, Dan, assignor to Aurora Research Industries, Inc., Aurora, Ill. Dry cleaning apparatus. 2,660,869, Dec. 1.
McDonald, David, Birmingham, Ala. Chair and seat and back therefor. 2,628,660, Feb. 17.
McDonald, Donald C., Skokie, K. C. Mathews, Evanston, and R. C. Boe, Des Plaines, assignors to Cook Electric Company, Chicago, Ill. Multiple mode closed-cycle control system. 2,663,832, Dec. 22.
McDonald, E. H., assignee: *See*—
Adams, George D., Jr., and Humphries.
McDonald, Eugene F., Jr., Chicago, Ill. Advertising device. 2,656,630, Oct. 27.
McDonald, Francis G.: *See*—
Wallenmeyer, John C., McDonald, and Henry.
McDonald, Frank H., Ilion, J. J. Mackrell, Brooklyn, N. Y., and K. P. Rado, Huntington, Conn., and J. R. Brand, Claymont, Del., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Checkering machine. 2,638,946, May 19.
McDonald, Harrison G., assignee: *See*—
Myers, Edwin A.
McDonald, Harry W., Minneapolis, Minn., assignor to McDonald Hydraulic Drilling Co., Inc., Aberdeen, S. Dak. Rotary bit operating mechanism. 2,655,344, Oct. 13.
McDonald Hydraulic Drilling Co., Inc., assignee: *See*—
McDonald, Harry W.
McDonald, Jack, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of phenol-furfural resins. 2,640,045, May 26.
McDonald, James F., Long Beach, Calif. Convertible earring. 2,629,989, Mar. 3.
McDonald, James L., Jr.: *See*—
Norville, Lon A., Jr., and McDonald.
McDonald, John B., Palos Verdes, and F. W. Hambra, assignors to Northrop Aircraft, Inc., Calif. Load calculating device. 2,636,270,
McDonald, John E., Newton, Mass., assignor to stone Tire & Rubber Company, Akron, arrangement for single-rotor helicopters Jan. 27.
McDonald, John E., Newton, Mass., assignor house Electric Corporation, East Pittsburg system. 2,634,048, Apr. 7.
McDonald, John E., West Newton, Mass., Westinghouse Electric Corporation, East Pi Axial flow fan regulator. 2,653,754, Sept. 2
McDonald, Joseph E., Orr, Minn. Folding b adjustable back rest. 2,635,679, Apr. 21.
McDonald, Lawrence L.: *See*—
Ogden, Laurence A., McChesney, and M
McDonald, Lloyd L., Shamrock, Tex. T round. 2,657,928, Nov. 3.
McDonald, Louis, Inyokern, Calif. Decont explosives contaminated materials. 2,647,
McDonald, Lucille M., Tacoma, Wash. S board attachment. 2,637,608, May 5.
McDonald, Neil J., assignor to Fairmont Ra Inc., Fairmont, Minn. Railway mo 2,655,873, Oct. 20.
McDonald, R. L., Company, assignee: *See*—
McDonald, Robert L. F.
McDonald, Robert E., Waynesboro, Va., assi du Pont de Nemours and Company, Wilm Apparatus and method for combining yarns Aug. 18.
McDonald, Robert L. F., assignor to R. L. Mc pany, Rochester, N. Y. Toy electric 2,632,284, Mar. 24.
McDonald, William M., Nobel, Ontario, assig Roe Canada Limited, Malton, Ontario, Cana means for the wall sections of flame tubes July 14.
McDonnell Aircraft Corporation, assignee:
Ballauer, Alb C.
Barkey, Herman D.
Bolanovich, Mirko.
Etherton, Murray D.
Kallal, George W.
Laucher, Richard G.
Marschner, Charles F.
Neikirk, Edwin P., and Izo.
Ostroff, Harold H.
Sargent, Elbert R.
Scherberg, Max G.
McDonough, Ferdinal R., Mansfield, Ohio. 2,649,102, Aug. 18.
McDonough, Marshall J., and E. E. Burchett Ill., assignors to American Can Company N. Y. Can filling machine having reciproc contacting plunger and moisture projecting for. 2,656,966, Oct. 27.
McDougal, Taine G., Flint, assignor to Ge Corporation, Detroit, Mich. Combustor which becomes incandescent from combus 2,648,951, Aug. 18.
McDougal, Taine G., and E. W. Pierce, Flin Bychinsky, Ann Arbor, assignors to Ge Corporation, Detroit, Mich. Cleaning spa compositions therefor. 2,627,148, Feb. 3.
McDougall, George F., Portland, Oreg. Def vice. 2,627,627, Feb. 10.
McDowell, Clarence M., Toledo, Ohio, assigno Motor Car Company, Detroit, Mich. Gas t with liquid cooling means. 2,633,327, Mar.
McDowell, Clarence M., Toledo, Ohio, assigno Motor Car Company, Detroit, Mich. R turbines. 2,635,848, Apr. 21.
McDowell, Fred, Neptune, N. J. Berrypick 2,660,021, Nov. 24.
McDowell, Hugh, Los Angeles, Calif. Gas d stoves. 2,626,634, Jan. 27.
McDowell, Hugh, Los Angeles, Calif. Tim fuel feed mechanism for gas burners. 2, 27.
McDowell, John S. T., assignee: *See*—
Lucas, Joseph E.
McDowell, John S. T., Longview, Tex. Grour 2,629,985, Mar. 3.
McDowell, Thomas E.: *See*—
Heehler, Arthur C., and McDowell.
McDowell, Thomas E., assignor to The Pyle-N pany, Chicago, Ill. Railway warning light tem. 2,645,766, July 14.
McDowell, Thomas E., assignor to The Pyle-N pany, Chicago, Ill. Twin sealed-beam ty with alignable and removable lamp units July 28.
McDowell, Thomas E., and A. C. Heehler, The Pyle-National Company, Chicago, Il tion apparatus for warning and signaling having headlight and warning light unit in unison. 2,642,522, June 16.
McDowell, Thomas E., and A. C. Heehler, The Pyle-National Company, Chicago, Ill. apparatus for warning and signalin 2,645,761, July 14.

McDuff, Pete, Fort Worth, Tex. Tank gauging device. 2,637,111, May 5.
McDuffie, Archie D., Berkley, and W. H. Smith, assignors to General Motors Corporation, Detroit, Mich. Force measuring apparatus. 2,638,781, May 19.
McDuffie, Harold F., Jr., Oak Ridge, Tenn., and D. E. Cooper, Syracuse, assignors to Bristol Laboratories Inc., Onondaga County, N. Y. Esters of penicillin from active halogen compounds. 2,650,218, Aug. 25.
McElhaney, Edward D.: *See*—
Gundrum, Benedict P., and McElhaney.
McElhannon, William A.: *See*—
Clevenger, Oliver L., McElhannon, and Jones.
McElhinney, Eric M., Dysart, and T. A. Podhajsky, Traer, Iowa. Sharp turn steering apparatus for vehicles. 2,631,045, Mar. 10.
McElhinney, Thomas R., and T. D. Woodruff, Lockport, assignors to Valite Corporation, New Orleans, La. Thermoplastic resins formed from pinewood pitch. 2,628,917, Feb. 17.
McElhone, Charles A., Allen Park, assignor to Copco Steel and Engineering Company, Detroit, Mich. Roofing and roof construction. 2,642,824, June 23.
McElhone, Charles A., Allen Park, and T. G. Jones, assignors to Copco Steel and Engineering Company, Detroit, Mich. Foldable and compactible truss and stud support. 2,642,825, June 23.
McElligott, Edward M., assignor to Swedish Crucible Steel Company, Detroit, Mich. Producing pearlescent plastic articles. 2,648,098, Aug. 11.
McElligott, John E., Schenectady, and D. B. Harrington, Scotia, N. Y., assignors to General Electric Company. Dynamoelectric machine winding arrangement. 2,630,541, Mar. 3.
McElroy, Arthur B.: *See*—
Taylor, Raymond G., Jr., McElroy, and Davis.
McElroy, Lawrence E.: *See*—
Cole, Joseph W., and McElroy.
McElroy, Roy H., assignor to International Clay Machinery Company, Dayton, Ohio. Steel wheel. 2,661,980, Dec. 8.
McElvenny, William H., Drexel Hill, Pa., assignor to Crane Packing Company, Chicago, Ill. Electric control for motors. 2,629,852, Feb. 24.
McElwee, Joseph A., assignor to The Ohio Boxboard Company, Rittman, Ohio. Handled carton. 2,659,524, Nov. 17.
McEntyre, Alvin R.: *See*—
McEntyre, Kent K., and A. R.
McEntyre, Kent K., Calhoun, Ga., and A. R. McEntyre, Gadsden, Ala. Mechanical fiddler. 2,641,867, June 16.
McEvoy Company, assignee: *See*—
Eichenberg, Robert.
Zaba, Joseph.
McEvoy, James E., East Cleveland, Ohio, assignor to Bailey Meter Company. Gas analyzing devices. 2,652,315, Sept. 15.
McEwan, Archibald J., U. S. Navy. Gyrostabilized carrier aircraft approach light indicator. 2,663,008, Dec. 15.
McEwan, James, San Jose, Calif. Saw sharpener. 2,625,842, Jan. 20.
McEwan, James, San Jose, Calif. Saw sharpener. 2,630,721, Mar. 10.
McEwan, James, San Jose, Calif. Belt grinder. 2,640,304, June 2.
McEwen, Norman S., Fort Lauderdale, Fla., assignor to Mul-T-Typer Corporation, Richmond, Ind. Duplicating attachment for typewriters. 2,656,909, Oct. 27.
McEwen, Robert L., Williamsville, F. R. Sheldon, Buffalo, and W. F. Schroeder, North Tonawanda, assignors to Buffalo Electro-Chemical Company, Tonawanda, N. Y. Superbleaching chemical pulp. 2,661,261, Dec. 1.
McFadden, George H.: *See*—
Bennett, Bailey, and McFadden.
McFadden, John D., Chattanooga, Tenn. Elevating mechanism for overhead doors. 2,625,390, Jan. 13.
McFaddin, J. L. C., assignee: *See*—
Powell, George R.
McFall, William W., River Forest, Ill. Shirt packaging device. 2,649,228, Aug. 18.
McFarland, Alice M., Cincinnati, Ohio. X-ray cassette holder and clamping device. 2,651,725, Sept. 8.
McFarland, Arthur E., Houston, Tex. Fluid feeding apparatus. 2,633,082, Mar. 31.
McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric explosion initiator. 2,632,389, Mar. 24.
McFarland, David M., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Method and apparatus for ascertaining time of explosion. 2,660,716, Nov. 24.
McFarland, Donald L., and W. E. Moore, Stratford, Conn., assignors to General Electric Company. Unitary steam and temperature control for steam irons. 2,655,746, Oct. 20.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,627,189, Feb. 3.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Clutch control for engine braking. 2,630,895, Mar. 10.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Brake. 2,635,713, Apr. 21.
McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Rotary pump. 2,637,275, May 5.
McFarland, Jack K., and W. C. Neiss, Billings, Mont. Disposable drinking cup. 2,652,971, Sept. 22.
McFarland, John C.: *See*—
Moffett, Howard J., and McFarland.
McFarland, Matthew J., Riverdale, N. Y. Bead chain clasp for jewelry. 2,644,992, July 14.
McFarlane, Maynard D., Los Angeles, Calif. Facsimile transmitting system. 2,633,494, Mar. 31.
McFarlane, Samuel B.: *See*—
Davies, Richard E., and McFarlane.
Jones, Wilford D., and McFarlane.
Skeist, Irving, and McFarlane.
Swerdloff, Jack, and McFarlane.
McFarlane, William F.: *See*—
Stevenson, Glenn M., and McFarlane.
McFarlin, Charles J., Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and apparatus for producing mixtures of coke and mineral materials. 2,658,039, Nov. 3.
McFee, Raymond H., Belmont, assignor to Photoswitch, Incorporated, Cambridge, Mass. High vacuum system with recirculating conduit. 2,636,655, Apr. 28.
McFeely Brick Company, assignee: *See*—
Keltz, Frank O.
McFerin, Sallie B., Canal Winchester, Ohio, now by change of name, S. B. Bigger. Maternity panty. 2,632,177, Mar. 24.
McFerran, Frank A., Pittsburgh, Pa. Water heater jacket. 2,642,851, June 23.
McFerran, Frank A., Pittsburgh, Pa. Water heater fittings. 2,652,358, Sept. 15.
McFerren, Bernard T., Youngstown, and F. S. Seybert, Warren, Ohio, assignors, by mesne assignments, to Sharon Steel Corporation, Sharon, Pa. Hand strap tensioning tool. 2,638,314, May 12.
McGalliard, David C., Short Hills, N. J. Sheet distributor. 2,661,209, Dec. 1.
McGann, Barbara M., assignee: *See*—
McGann, Frank E., Jr.
McGann, Frank E., Jr., assignor of one-half to B. M. McGann, Troy, N. Y. Sleeping bag for babies. 2,642,865, June 23.
McGarry, James A., New Brunswick, N. J., assignor to Permacel Tape Corporation. Adhesive sheets. 2,646,371, July 21.
McGarry, James W., Cincinnati, Ohio. Valve structure. 2,648,349, Aug. 11.
McGarry, James W., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Valve-plug unit for drain assemblies. 2,649,592, Aug. 25.
McGauchie, Ernest F. N., Bentleigh, Victoria, Australia. Means for automatically varying the stroke of pump rods or like reciprocating members. 2,648,198, Aug. 11.
McGauley, Patrick J.: *See*—
Allen, Louis N., Jr., McGauley, and Roberts.
Roberts, Edward S., McGauley, and Schaufelberger.
McGauley, Patrick J., Glen Cove, assignor to Chemical Construction Corporation, New York, N. Y. Copper, cobalt, and ammonium sulfate recovery from mineral leach liquors. 2,647,819, Aug. 4.
McGauley, Patrick J., Glen Cove, assignor to Chemical Construction Corporation, New York, N. Y. Recovery of cu and ni from flotation concentrate. 2,647,827, Aug. 4.
McGauley, Patrick J., Glen Cove, assignor to Chemical Construction Corporation, New York, N. Y. Recovery of ni from ammonia liquors. 2,647,828, Aug. 4.
McGauley, Patrick J., Glen Cove, N. Y., and P. J. Masur, Sayreville, N. J., assignors to Chemical Construction Corporation, New York, N. Y. Decomposition of copper scrap and alloys with copper ammonium carbontae solutions. 2,647,829, Aug. 4.
McGay, John, and G. E. Nicholson, Tulsa, Okla., assignors to Rockwell Register Corporation. Chart drive mechanism. 2,661,815, Dec. 8.
McGay, John B., assignee: *See*—
Hale, Gerald A.
McGee, Dean A., O. Danielson, and T. Seale, assignors to Kerr-McGee Oil Industries, Inc., Oklahoma City, Okla. Apparatus for drilling wells. 2,653,796, Sept. 29.
McGee, Elbert B., Fair Oaks, Calif. Aerial dead reckoning true plotting navigator. 2,636,673, Apr. 28.
McGee, Hugh C. N., Dry Ridge, Ky. Angler's bait container. 2,630,651, Mar. 10.
McGee, James D., London, assignor to Electric & Musical Industries Limited, Hayes, England. Negative charge image television transmission tube. 2,652,515, Sept. 15.
McGee, James D., Ealing, London, E. L. C. White, Iver, H. G. Lubszynski, Northwood, R. S. Webley, Hayes, and K. G. Huntley, Harlington, Hayes, assignors to Electric & Musical Industries Limited, Hayes, England. Circuits embodying cathode potential stabilized electron discharge devices. 2,654,048, Sept. 29.
McGee, John W., North Tonawanda, N. Y. Antenna mast. 2,626,353, Jan. 20.
McGee, Leland T., Los Angeles, Calif. Tractor dirt handling attachment. 2,645,866, July 21.
McGee, Richard R., New Britain, Conn., assignor, by mesne assignments, to General Electric Company. Weatherproof enclosure for electrical devices. 2,656,948 Oct. 27.

McGeogh, James E.: *See*—
Jensen, Garold K., and McGeogh.
McGhee, Charles R., Gastonia, N. C., assignor to Borden Mills, Incorporated, Boston, Mass. Lap handling apparatus. 2,633,256, Mar. 31.
McGhee, William H., assignee: *See*—
Borsini, Frederick H.
McGhie, Russell P.: *See*—
Klippert, Andrew A., McGhie, and Richardson.
McGihon, Leonard, Oakland, assignor to King Sales & Engineering Co., San Francisco, Calif. Filling machine and valve therefor. 2,637,478, May 5.
McGihon, Leonard, San Leandro, assignor to King Sales & Engineering Co., San Francisco, Calif. Liquid filling valve. 2,652,965, Sept. 22.
McGihon, Leonard, San Leandro, assignor to King Sales & Engineering Co., San Francisco, Calif. Compound woodworking tool with variable drive. 2,661,037, Dec. 1.
McGihon, Leonard, San Leandro, assignor to King Sales & Engineering Co., San Francisco, Calif. Filling and closing machine. 2,661,134, Dec. 1.
McGill, Bobby R.: *See*—
Fowler, William R., Jr., and McGill.
McGill, Daniel F., Portland, Oreg. Hydraulic brake and pump. 2,631,695, Mar. 17.
McGill, Daniel F., assignor to D. W. Green, Portland, Oreg., as trustee. Rotary pump and motor hydraulic transmission. 2,658,343, Nov. 10.
McGill, Lemaster C., Phillips, Tex., assignor to Phillips Petroleum Company. Scaffolding device. 2,663,597, Dec. 22.
McGill Manufacturing Company, Inc., assignee: *See*—
Popp, Rudolf.
McGill Metal Products Company, assignee: *See*—
Stilson, Herbert A.
McGillis, Hugh D.: *See*—
McGillis, John J. and H. D.
McGillis, John J. and H. D., Brockton, Mass. Pipe coupling. 2,631,049, Mar. 10.
McGillivray, Roy: *See*—
Zeniftman, Henryk, and McGillivray.
McGinley, James J., Williston Park, N. Y., assignor to American Machine and Foundry Company. Wrapping machine. 2,650,459, Sept. 1.
McGinley, James J., Williston Park, N. Y., assignor to American Machine and Foundry Company. Centering apparatus for bowling pin holders. 2,660,433, Nov. 24.
McGinley, James J., Williston Park, N. Y., assignor to American Machine and Foundry Company. Bowling ball and pin handling mechanism. 2,662,770, Dec. 15.
McGinley, Myron C., Denver, Colo. Adjustable table leg construction. 2,630,360, Mar. 3.
McGinley, William L., assignee: *See*—
Brown, Wallace A.
McGinn, John H., Philadelphia, Pa. Fluid control apparatus. 2,657,707, Nov. 3.
McGinnis, Edward C., assignee: *See*—
McGinnis, Walter.
McGinnis, Kenneth J., assignee: *See*—
McGinnis, Walter.
McGinnis, Walter, Alhambra, assignor of one-third to E. C. McGinnis, Long Beach, and one-third to K. J. McGinnis, Huntington Park, Calif. Hat flange ironing machine. 2,630,946, Mar. 10.
McGinnis, Walter, Alhambra, Calif. Crib shortening, cover-holding device, and baby anchor. 2,659,904, Nov. 24.
McGinnis, William J., Philadelphia, Pa. Slidable outer jaw wrench with nontraveling nut adjustment. 2,631,486, Mar. 17.
McGirr, John P., assignor to T. G. McGirr, Brooklyn, N. Y. Metalized plastic foil. 2,644,761, July 7.
McGirr, Robert, Pottsville, Pa., assignor to Atlas Powder Company, Wilmington, Del. Borehole loader. 2,654,285, Oct. 6.
McGirr, Theodore G., assignee: *See*—
McGirr, John P.
McGladrey, Lyle L.: *See*—
Wilken, Carl E., and McGladrey.
McGlothlen, John L., assignor to The Martin Hardsoog Co., Pittsburgh, Pa. Trolley wire contact device. 2,657,284, Oct. 27.
McGlothlin, Leonard D., Camas, Wash. Automatic consistency control means. 2,626,786, Jan. 27.
McGlothlin, William K.: *See*—
Henderson, Robert, and McGlothlin.
McGogy, Donald H., Menlo Park, assignor to Dalmo Victor Company, San Carlos, Calif. Jalousie operator. 2,662,623, Dec. 15.
McGoldrick, William J., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Furnace damper control apparatus. 2,633,300, Mar. 31.
McGoldrick, William J., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus for aircraft. 2,635,327, Oct. 13.
McGough, Frank C., Youngstown, Ohio. Operating soaking pits. 2,656,172, Oct. 20.
McGowan, Dorothy M., assignor of 50% to J. R. McGowan, Parkland, Wash. Combination curtain, shade, and drapery bracket. 2,655,336, Oct. 13.
McGowan, Douglas C.: *See*—
Butler, Judson C., and McGowan.
McGowan, Gaylon H., Fanwood, N. J., assignor to Standard Oil Development Company. Ratio driving or proportioning pumps. 2,638,847, May 19.
McGowan, George C., New Brighton, Pa. Feeding device for mining machines. 2,643,106, June 23.
McGowan, Harold S., assignor to Collins Radio Company, Cedar Rapids, Iowa. Speed reducer. 2,662,
McGowan, John R., assignee: *See*—
McGowan, Dorothy M.
McGowan, Kenneth J. J., Pittsburgh, and Verona, Pa., assignors to Westinghouse Air Brake Company. Self-restoring dragigng equipment. 2,662,973, Dec. 15.
McGowan, Michael E.: *See*—
Kirby, Joseph J., and McGowan.
McGowan, Patrick G., assignor to Gerber Products Company, Fremont, Mich. Container closure. Feb. 17.
McGowan, Thomas R., St. Louis, Mo., assignor to American Brake Company, Swissvale, Pa. Brake mechanism. 2,630,883, Mar. 10.
McGowan, William S., Torreon, Mexico. Tamping machine. 2,651,405, Sept. 8.
McGowen, Frank, Twin Lakes, assignor to General Motors Corporation, Muskegon, Mich. Crankshaft bearing seal. 2,657,675, Nov. 3.
McGowen, Harold E., Jr.: *See*—
Howard, Kenneth C., McGowen, and Moore.
McGowen, Neil E., Auburn, Ala. Extra point football goal kicking tee. 2,659,604, Nov. 17.
McGrath, Earle J.: *See*—
Thornton, Garno E., Verrinder, Stilwell, and Richards.
McGrath, Edward F., Kansas City, Mo. 2,659,086, Nov. 17.
McGrath, Edwin R.: *See*—
Dudley, Charlie H., and McGrath.
McGrath, Henry G.: *See*—
Hill, Luther R., and McGrath.
McGrath, Henry G., Elizabeth, assignor to Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,632,765, Mar. 24.
McGrath, Henry G., Elizabeth, assignor to Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,637,739, May 5.
McGrath, Henry G., Elizabeth, H. J. Passino, and L. C. Rubin, West Caldwell, assignors to M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,635,111, Apr. 14.
McGrath, Henry G., Elizabeth, and L. R. Hill, assignors to The M. W. Kellogg Company, Jersey City, N. J. High velocity process for synthesis of organic compounds. 2,640,844, June 2.
McGrath, John B.: *See*—
Tiedje, John L., and McGrath.
McGraw Colorgraph Company, assignee: *See* McGraw, Richard F., Plotin, and Alexewicz.
McGraw Electric Company, assignee: *See*—
Adcock, Herbert V.
Amundson, Roald H.
Clark, Philip B.
Earle, Ralph H., Kuzela, and Schultz.
Gomersall, John R., and Ireland.
Gronowski, Edward C.
Horelick, Samuel.
Ireland, Murray.
Joublanc, Joseph C.
Kyle, William D., Jr.
Lebens, John C., Jr.
Manke, George H.
McGraw, Max.
Mertens, Henry W.
Olving, Bror G.
Osterheld, Clark M.
Petersen, Clifford W.
Pummer, Leo.
Putz, Hector R.
Rigert, Max.
Schultz, William O., and Amundson.
Steinmayer, Alwin G.
Stoelting, Herman O.
Van Ryan, Anthony.
Van Ryan, Anthony, and Harry.
Volgovskoy, Boris.
Willman, Philip E.
Wood, Russell A.
Zander, Waldo H.
McGraw, Max, Chicago, assignor to McGraw Electric Company, Elgin, Ill. Steam iron. 2,634,526,
McGraw, Richard F., Sierra Madre, L. Plotin, Inglewood, and W. G. Alexewicz, assignors, by mesne assignments, to R. F. McGraw, doing business as McGraw Colorgraph Company, Burbank, Calif. Cartridge. 2,626,858, Jan. 27.
McGraw, William F., assignor to Wm. F. McGraw & Co., Detroit, Mich. Corrugated cushion roll. Sept. 8.
McGraw, Wm. F., & Co., assignee: *See*—
McGraw, William F.
McGraw, William J., Morristown, N. J., assignor to Chemical & Dye Corporation, New York, N. Y. Azo derivatives and method of making. 2,624,72
McGregor, David R., Springfield, Ohio. Coupling making same. 2,630,218, Mar. 3.

McGregor, Floyd E.: *See*—
Kearney, Thomas J., and McGregor.
McGregor, George F., assignor of fifty per cent to W. E. T. Ryan, Toronto, Ontario, Canada. Device for admixing a cleansing agent with a stream of fluid. 2,641,507, June 9.
McGregor, Lee R., Ames, Iowa. Tool for making hypodermic injections. 2,627,269, Feb. 3.
McGregor, Thurman M., Houston, Tex. Repeating cap gun. 2,648,154, Aug. 11.
McGrew, Frank C., Wilmington, Del., and P. S. Pinkney, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of acetylene with certain vinylidene compounds. 2,657,200, Oct. 27.
McGrew, Robert F.: *See*—
Turner, Milton L., and McGrew.
McGuigan, William D., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Phase-type direction finder system. 2,646,566, July 21.
McGuire, James M.: *See*—
Bunch, Robert L., and McGuire.
McGuire, John S., Kansas City, Kans. Landing mat. 2,653,525, Sept. 29.
McGuire, Willis C.: *See*—
Morehouse, Neal F., and McGuire.
McGushin, Joseph F., Warm Springs, Calif. Pneumatic tool lubricator. 2,640,561, June 2.
McHale, Clifford B., and E. H. Janssen, Torrington, Wyo.; said Janssen assignor to said McHale. Weighing apparatus. 2,641,459, June 9.
McHargue, William L., Fairfax, assignor to West Point Manufacturing Company, Shawmut, Ala. Automatically threading loom shuttle. 2,659,395, Nov. 17.
McHugh, James H., assignee: *See*—
Cole, Lawrence D.
McHugh, Michael A., Pittsburgh, Pa. Templet. 2,637,114, May 5.
McIlrath, Gladys M., Racine, Wis. Hair curler. 2,654,371, Oct. 6.
McIlroy, Joe H., and W. N. Lampe, Amarillo, Tex. Can spout with punch and holddown latch. 2,643,793, June 30.
McIlvain, John G., Jr.: *See*—
Adorney, Charles S., Gill, and McIlvain.
McIlvain, John G., Jr., East Caln Township, Chester County, Pa. Variable speed feed mechanism. 2,658,406, Nov. 10.
McIlvaine, Alexander, New York, N. Y. Chair for aerial ski-lifts. 2,662,587, Dec. 15.
McIlvaine, Douglas K., Des Plaines, Ill., and W. P. Myers, Jr., Webster Groves, assignors to Alco Valve Company, University City, Mo. Controller for liquid level or the like. 2,629,826, Feb. 24.
McIlvaine, Oran T., St. Charles, Ill. Photocell. 2,654,819, Oct. 6.
McIlvaine, Robert L., Glencoe, assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Molders station sand screen. 2,626,053, Jan. 20.
McIlvaine, Robert L., Glencoe, assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Apparatus for measuring moisture. 2,633,018, Mar. 31.
McIlvaine, Robert L., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Apparatus for and method of water supply control for dust collectors. 2,645,304, July 14.
McIlvaine, Robert L., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Liquid contact apparatus for cleaning gas. 2,662,756, Dec. 15.
McIlvaine, Robert L., and J. L. Yates, Glencoe, assignors, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Apparatus for collecting dust. 2,649,924, Aug. 25.
McIlvin, Donald B., Danvers, and A. R. Abbott, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Through-feed machine for treating sheet materials. 2,637,193, May 5.
McIlvried, Edwin J., Stow, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire drawing block and stripper assembly. 2,658,611, Nov. 10.
McIlwain, Knox, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Radiated-signal direction finder. 2,637,028, Apr. 28.
McIlwain, Knox, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Pulse-code selective communication system. 2,664,561, Dec. 29.
McInerney, James L., Grand Rapids, Mich. Spring loading machine. 2,647,671, Aug. 4.
McInerney, James M.: *See*—
McInerney, William K. and J. M.
McInerney, John A., assignor to Crane Co., Chicago, Ill. Jacketed pressure vessel. 2,664,098, Dec. 29.
McInerney, William K. and J. M., Grand Rapids, Mich. Spring pocket filling machine. 2,663,475, Dec. 22.
McIntire, Forrest L., Brentwood, and D. P. Manka, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Phenol removal from phenol-contaminated ammonia liquors. 2,635,073, Apr. 14.
McIntire, George W., Hagerstown, Md. Insecticide fogger. 2,662,332, Dec. 15.
McIntosh, A. Vern, Jr.: *See*—
Levin, Robert H., McIntosh, and Centolella.
Levin, Robert H., McIntosh, and Spero.
Mariatt, Paul E., Hanze, McIntosh, and Levin.
McIntosh, Frank H., Chevy Chase, Md. Wide band amplifier. 2,646,467, July 21.
McIntosh, Frank H., Chevy Chase, Md. Wide band transformer. 2,654,058, Sept. 29.
McIntosh, Lloyd R., Winchester, assignor to High Voltage Engineering Corporation, Cambridge, Mass. Filament emission electrode and minimizing filament stresses therein. 2,653,267, Sept. 22.
McIntosh, Maurice D., Cleveland Heights, assignor to L. S. Sanders, Shaker Heights, Ohio. Making camera copy. 2,635,951, Apr. 21.
McIntosh, Robert D., River Forest, Ill., assignor to The Imperial Brass Manufacturing Company. Combination tube working tool and reamer. 2,630,028, Mar. 3.
McIntosh, Robert D., River Forest, Ill., assignor to The Imperial Brass Manufacturing Company. Tube working tool. 2,637,227, May 5.
McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Seat construction. 2,629,427, Feb. 24.
McIntyre, Glenn H.: *See*—
Skinner, Robert E., and McIntyre.
McIntyre, Jean F.: *See*—
Pleydell, Albert and R., and McIntyre.
McIntyre, Newman, assignor to Lily Mills Company, Shelby, N. C. Skein winding and banding machine. 2,627,151, Feb. 3.
McIntyre, Robert E., San Francisco, Calif. Window air filter. 2,639,004, May 19.
McIntyre, Roger, Erie, Pa., assignor to General Electric Company. Compressed air supply system. 2,626,100, Jan. 20.
McIntyre, William D., assignor to Patent Development Company, Monroe, Mich. Shock absorber. 2,653,681, Sept. 29.
McIntyre, William O., and H. V. Lundquist, Orlando, Fla. Oil seal. 2,634,141, Apr. 7.
McKay, Alexander S.: *See*—
Herzog, Gerhard, and McKay.
McKay, Angus C., Forrest, Canberra, New South Wales, Australia. Hypodermic and other syringes or drenchers. 2,643,655, June 30.
McKay, Arthur F., assignor to Her Majesty the Queen in the right of Canada as represented by the Minister of National Defence, Ottawa, Ontario, Canada. N-β-nitraminoethyl-N'-aryl-N''-nitroguanidines. 2,648,707, Aug. 11.
McKay-Davis Chemical Corporation, assignee: *See*—
Donofrio, Alfonso M.
McKay, H. Dexter, executor: *See*—
Bertea, Alex.
McKay, Herbert C., assignor to W. D. Foster, Eustis, Fla., and himself as trustees. Method of construction of sensitive thermopiles. 2,629,757, Feb. 24.
McKay, Hosmere C., Portland, Conn. Capsule dispenser. 2,636,469, Apr. 28.
McKay, James G., Chicago, Ill. Device for printing characters on moving packages. 2,634,676, Apr. 14.
McKay Machine Company, The, assignee: *See*—
Miller, Harvey D., and Holdgate.
McKay, Robert J., Basking Ridge, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Producing drawn articles. 2,637,686, May 5.
McKeag, Alfred H., North Wembley, England, assignor to General Electric Company. Manganese activated cadmium lithium silicate phosphor. 2,660,565, Nov. 24.
McKeag, Alfred H., and P. W. Ranby, North Wembley, England, assignors to General Electric Company. Alkaline earth phosphate phosphors of the apatite type. 2,664,401, Dec. 29.
McKean, Boyd A., Erie, assignor to Titan Tool Company, Fairview, Pa. Stud driver. 2,628,105, Feb. 10.
McKean, Boyd A., Erie, assignor to Titan Tool Company, Fairview, Pa. Tapped insert driver. 2,637,232, May 5.
McKean, James D., Seattle, Wash. Caster of the disappearing type. 2,631,329, Mar. 17.
McKean, Jerome G., Bellaire, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Gun for perforating casing. 2,664,158, Dec. 29.
McKechnie, Ian C., Detroit, Mich., assignor to Elox Corporation of Michigan. Diaphragm spring reciprocating tool. 2,654,256, Oct. 6.
McKee, Arnold W., Des Moines, Iowa. Tip up extension for air brake levers. 2,641,939, June 16.
McKee, Arthur G., & Company, assignee: *See*—
Craig, John J., Dunasky, Morgan, and Foell.
Dunasky, Joseph E., and Foell.
McKee, Arthur G., Cleveland, Ohio. Apparatus for growing tender plants. 2,639,550, May 26.
McKee, Arthur G., Cleveland, Ohio. Greenhouse with means for controlling light and heat. 2,639,551, May 26.
McKee, Chester W. and R. W., assignors to Teledetector, Inc., Chicago, Ill. Railroad fissure detector car. 2,639,316, May 19.
McKee, Chester W. and R. W., assignors to Teledetector, Inc., Chicago, Ill. Rail car fissure detecting apparatus. 2,656,503, Oct. 20.

McKee Door Company, assignee: *See*—
McKee, James H.
McKee, James H., and Hartzler.
McKee, John F., and Hartzler.
Ritter, Bert.
Vaughn, Joseph J.
McKee, Harry B., Newport Beach, Calif. Ground anchor. 2,660,276, Nov. 24.
McKee, Hilton J.: *See*—
Burge, James S., Foust, Shaw, Rider, and McKee.
Burge, James S., Goodwin, and McKee.
Burge, James S., McKee, and Goodwin.
McKee, James H.: *See*—
Dryden, Ian G. C., and McKee.
McKee, James H., Ashtead, assignor to C. U. R. A. Patents Limited, Leatherhead, Surrey, England. Manufacture of solid materials consisting of aggregated solid particles. 2,652,318, Sept. 15.
McKee, James H., assignor to McKee Door Company, Aurora, Ill. Overhead door wheel mount. 2,656,561, Oct. 27.
McKee, James H., Aurora, and M. E. Hartzler, Downers Grove, assignors to McKee Door Company, Aurora, Ill. Overdoor. 2,625,221, Jan. 13.
McKee, James H., Aurora, and M. E. Hartzler, Downers Grove, assignors to McKee Door Company, Aurora, Ill. Overhead door. 2,655,683, Oct. 20.
McKee, John F., Aurora, and M. E. Hartzler, Downers Grove, assignors to McKee Door Company, Aurora, Ill. Hinge for multisection overhead doors. 2,645,807, July 21.
McKee, Laird C., Minneapolis, Minn. Hearth type oil burner with flame rim-ignition means. 2,630,166, Mar. 3.
McKee, Ralph H., New York, N. Y. Continuous manufacture of rayon yarns. 2,637,069, May 5.
McKee, Richard W.: *See*—
McKee, Chester W., and R. W.
McKee, Robert C.: *See*—
Skalmusky, Marvin F., Root, and McKee.
McKee, Robert C., and G. R. Sears, assignors to The Institute of Paper Chemistry, Appleton, Wis. Method and apparatus for testing paperboard. 2,637,996, May 12.
McKee, Tasman J.: *See*—
Brown, Laurie O., and McKee.
McKeen, Theodore R., assignee: *See*—
Lawson, Andrew J.
McKeever, Charles H.: *See*—
Freimiller, Louis R., and McKeever.
McKeever, John E., Forsyth, Mont. Apparatus for extracting oil vapors from crankcases for use as a fuel. 2,646,784, July 28.
McKellar, John D., and R. E. Crandall, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Hydraulic stick control. 2,638,289, May 12.
McKellin, Wilbur H., Somerville, N. J., F. G. Bordwell, Evanston, Ill., and O. C. E. Fishkill, assignors to The Texas Company, New York, N. Y. Addition product of thianaphthene sulfone and malonic acid esters. 2,648,677, Aug. 11.
McKendree, Samuel M., Danville, Ill. Rug cleaning device. 2,633,728, Apr. 7.
McKendrick, Roderick W., Salt Lake City, Utah. Combination knee and ankle joint. 2,643,391, June 30.
McKenna, James A., San Francisco, Calif. Distributor stabilizer. 2,641,660, June 9.
McKenna, John B., Forest Park, Ill. Combination valve seat and strainer. 2,633,149, Mar. 31.
McKenna, Philip M., Greensburg, assignor to Kennametal Inc., Latrobe, Pa. Induction heating unit. 2,641,682, June 9.
McKenna, Philip M., Greensburg, J. C. Redmond and E. N. Smith, Latrobe, assignors to Kennametal Inc., Westmoreland County, Pa. Explosive pressing of powdered compositions. 2,648,125, Aug. 11.
McKenna, Thomas G., S. B. Soloway, R. E. Lidov, and J. Hyman, Denver, Colo., assignors, by mesne assignments, to Shell Development Company, Emeryville, Calif. Halogen exchange. 2,661,377, Dec. 1.
McKenna, Thomas G., S. B. Soloway, R. E. Lidov, and J. Hyman, Denver, Colo., assignors, by mesne assignments, to Shell Development Company, Emeryville, Calif. Halogen exchange. 2,661,378, Dec. 1.
McKenney, Henry F.: *See*—
Newell, William H., McKenney, and Scheuer.
McKenney, Henry F., Valley Stream, and H. Kaplan, New York, N. Y., assignors to The Sperry Corporation. Magnetic amplifier system. 2,636,150, Apr. 21.
McKennon, Forrest L., New Orleans, La., and R. V. Lawrence, Lake City, Fla., assignors to the United States of America as represented by the Secretary of Agriculture. Hydroperoxy-substituted rosin materials and their production. 2,653,922, Sept. 29.
McKenzie, Thomas R., Milwaukee, Wis. Rotary adhesive roll fabric cleaning device. 2,624,060, Jan. 6.
McKeown, Calvin M.: *See*—
Converse, Sherman, and McKeown.
McKesson & Robbins, Incorporated, assignee: *See*—
Omohundro, Allen L., and Neumeier.
McKibben, Burt H.: *See*—
Roemer, James A., McKibben, and Corry.
McKim, Burton, East Orange, N. J., assignor t
phone Laboratories, Incorporated, New Y
Semiautomatic telephone switching syste
for selective alternating current or direct
pulsing. 2,628,283, Feb. 10.
McKim, James A., Fort Wayne, Ind., assignor
Electric Company. Base for motors. 2,662,0
McKim, Paul A.: *See*—
Sapp, Junius E., Gillespie, and McKim.
McKinley, Billy S., assignor to Brown and Wil
bacco Corporation, Louisville, Ky. Apparatu
uring moisture content of a traveling layer
2,653,298, Sept. 22.
McKinley, John K., B. A. Scott, W. H. Goff,
Nelson, Port Arthur, Tex., assignors to The
pany, New York, N. Y. Calcium-sodium s
from highly oxidized waxes. 2,637,695, Ma
McKinley, John M., Willoughby, H. Phillips,
the Lake, F. Siciliano, and J. McNeice, Cleve
assignors to Clevite Corporation. Apparatu
facturing thin wall precision bearings.
Aug. 11.
McKinney, Alfred H., Chester, Pa. Measureme
of materials in tanks. 2,629,261, Feb. 24.
McKinney, Carlos J., Detroit, Mich., assignor t
eral Tire and Rubber Company, Akron, Ohi
guide strip construction. 2,635,915, Apr. 2
McKinney, David H., and W. A. Harris, Hou
assignors, by mesne assignments, to Standar
opment Company, Elizabeth, N. J. Apparat
pling flowing streams. 2,636,387, Apr. 28.
McKinney, James F., and A. E. Miller, assigno
Appliance Corporation, Aurora, Ill. Sea
2,641,307, June 9.
McKinney, Robert W., assignor to E. I. d
Nemours and Company, Wilmington, Del.
of hydrolyzable titanium sulfate solutions.
Mar. 17.
McKinney, William A., Normandy, Mo. F
holder. 2,628,048, Feb. 10.
McKinnie, Roxton, Santa Monica, Calif. Latc
tion for folding ironing boards. 2,653,399
McKinnis, Art C., Long Beach, assignor to Unio
pany of California, Los Angeles, Calif.
hydrogen cyanide by adsorption. 2,634,817,
McKinstry, Alston R.: *See*—
Lowther, Mary T., and McKinstry.
McKinstry, Alston R., Brunswick, assignor
Equipment Corporation, Glynn County, Ga
developer and splitter. 2,644,980, July 14.
McKissack, Robert G., Bolton, Miss. Aerat
bucket. 2,663,115, Dec. 22.
McKitrick, Edward R., assignor to Briggs Ma
Co., Detroit, Mich. Safety lock for switches.
Dec. 15.
McKnight, William E., Ferris, Tex. Support
for beds. 2,662,715, Dec. 15.
McKone, Charles J., Charleston, W. Va., a
Monsanto Chemical Company, St. Louis, M
facture of ferric dithiocarbamates. 2,651,6
McKowen, William, Des Moines, Iowa. Loose-
Re. 23,708, Sept. 1.
McKowen, William, Des Moines, Iowa. Fille
loose-leaf binders. 2,639,713, May 26.
McLachlan, Charles G., Noranda, Quebec, Can
mechanism for conveyer belts. 2,647,618, Au
McLachlen, Archibald, assignee: *See*—
Lewis, Neilson W.
McLagan, Russell G., Milford, assignor to The
Laundry Machinery Company, Cincinnati, Oh
press. 2,629,522, Feb. 24.
McLagan, Russell G., Milford, Ohio, assign
American Laundry Machinery Company. F
sequence control for folders. 2,659,598, Nov
McLain, Harold O., Highland Park, Ill. Maste
machine. 2,628,477, Feb. 17.
McLain, Harold O., Highland Park, Ill. Salt
for icing machines. 2,637,980, May 12.
McLain, Harold O., Highland Park, Ill. Icin
2,643,522, June 30.
McLain, Joseph H., and T. A. Ruble, U. S. Ar
ors to the United States of America as rep
the Secretary of War. First fire charge c
2,643,946, June 30.
McLanahan, Allen: *See*—
Brane, Maxwell D., and McLanahan.
McLane, Fletcher E., Lancaster, N. Y., assignor
house Electric Corporation, East Pittsburgh,
tric apparatus for controlling core-type
2,629,850, Feb. 24.
McLaren, Ian H., Dearborn, and C. E. Alst
signors to Bendix Aviation Corporation, De
System for measuring radioactivity. 2,643,34
McLaren, Peter J., deceased, New York, N. Y., b
over Bank, formerly Central Hanover Bank
Company, corporate executor, and H. E. Ha
ecutor, assignors to The W. L. Maxson Corpo
York, N. Y. Speed change transmission.
Nov. 17.
McLaughlin, Alvin, Woodburn, Oreg. Nut
machine. 2,639,573, May 26.

McLaughlin, Edward J., El Cerrito, G. H. Denison, Jr., San Rafael, and M. R. Barusch, Richmond, assignors to California Research Corporation, San Francisco, Calif. Supplementary fuel. 2,637,635, May 5.
McLaughlin, Eli H., Toledo, Ohio. Method and apparatus for drilling glass sheets. 2,638,084, May 12.
McLaughlin, Frank H., administrator: *See*— McLaughlin, Frank M.
McLaughlin, Frank M., deceased, Hinckley, by F. H. McLaughlin, administrator, Moorhead, Minn. Automobile tool kit. 2,649,191, Aug. 18.
McLaughlin, George H.: *See*— MacKay, Robert G., and McLaughlin.
McLaughlin Gormley King Company, assignee: *See*— Moore, Joseph B.
McLaughlin, Ira J., Manistique, Mich. Knockdown bunk bed. 2,647,267, Aug. 4.
McLaughlin, James L. A., La Jolla, Calif. Single-sideband radio equipment. 2,646,499, July 21.
McLaughlin, Joseph E.: *See*— Avey, William P., Herrington, Meyer, and McLaughlin.
McLaughlin, Joseph E., Pottsville, assignor to Aluminum Company of America, Pittsburgh, Pa. Cable sheathing. 2,644,353, July 7.
McLaughlin, Kenneth M.: *See*— Pryslak, Nicholas E., and McLaughlin.
McLaughlin, Robert W., Greenwich, Conn., and G. F. Kotrbaty, Bronxville, N. Y. Window construction. 2,635,719, Apr. 21.
McLaughlin & Slugg, assignee: *See*— Callan, Raymond C.
McLaurin-Jones Co., assignee: *See*— Kenneway, Harold J., Jr.
McLean, Andrew: *See*— Marrian, Stanley F., and McLean. Zenftman, Henryk, and McLean.
McLean, Harry C., deceased, Los Angeles, Calif., N Troxel, administratrix of said H. C. McLean, assignor to N. I. Troxel. Egg cleaning and sealing machine. 2,661,715, Dec. 8.
McLean, John B., Yonkers, N. Y. Propelling system for locomotives and other vehicles. 2,624,290, Jan. 6.
McLean, Lyle G., Warden, Wash. Air stratifier. 2,635,753, Apr. 21.
McLean, Paul L., Levelland, assignor of 15 per cent to M. L. Morgan, Hockley County, Tex. Flowing unit for oil well controllers. 2,644,531, July 7.
McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,643,451, June 30.
McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Rotary drive wheel type can opener. 2,644,228, July 7.
McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Takedown type swingable wall bracket. 2,646,241, July 21.
McLean, Robert E., assignor to J. C. Hockery, Kansas City, Mo., as trustee for H. J. and F. L. Talge. Can opener. 2,648,897, Aug. 18.
McLean, Stuart, Willoughby Township, Lake County, Ohio, assignor to General Electric Company. Forming a transparent reflection reducing coating on glass and the article resulting therefrom. 2,639,999, May 26.
McLean, Vincent, Hollis, assignor to Western Electric Company, Incorporated, New York, N. Y. Swinging door. 2,642,164, June 16.
McLeish, Archibald J., Morrisville, Pa. Track switch. 2,641,690, June 9.
McLellan, George W., Bartlesville, Okla. Foot operated hydraulic pump. 2,662,475, Dec. 15.
McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Multistage reel. 2,628,411, Feb. 17.
McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. After-treating viscose threads advancing in a helical path. 2,652,311, Sept. 15.
McLeod, Bentley H., Malvern, Ark. Apparatus for microscopic analysis. 2,637,244, May 5.
McLeod, Clarence J., assignee: *See*— Kent, Edward.
McLeod, Ian, assignor to Premier Mill Corporation, Geneva, N. Y. Centrifugal mixing device. 2,635,860, Apr. 21.
McLeod, Lena E., Flint, assignor of one-half to F. K. Hardman, Ann Arbor, Mich. Eyeshield. 2,643,382, June 30.
McLeod, Roderick C., Leicester, assignor to Power Jets (Research & Development) Limited, London, England. Construction of turbine rotors. 2,657,901, Nov. 3.
McLeod, Roderick C., Cropston, Leicester, England, and K. Watson, Clarkston, Scotland, assignors to Power Jets (Research & Development) Limited, London, England. Propulsive thrust augmenter. 2,644,298, July 7.
McLeod, Roy D., Detroit, assignor of two-thirds to W. Carls, Milford, Mich., and one-third to S. L. Brussel, and Detroit Trust Company, coexecutors of F. H. Brussel, deceased. Control valve. 2,646,820, July 28.
McLeod, Stewart B., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Power unit of the fluid pressure type. 2,640,323, June 2.
McLeod, Stewart B., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Power unit of the pressure fluid type. 2,640,426, June 2.
McLeod, Stewart B., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Hydraulic power unit. 2,640,429, June 2.
McLeod, Stewart B., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Power unit. 2,640,465, June 2.
McLinden, James E., Jr., Rego Park, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Gaseous electron tube structure. 2,653,264, Sept. 22.
McLoad, Kenneth W., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Multiterminal seismic cable connector system. 2,654,077, Sept. 29.
McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Turbo-machine rotor with cooling means. 2,643,851, June 30.
McMahan, Roy F., near Louisville, Ky. Shelving and partition support. 2,644,591, July 7.
McMahan, Walker D., assignee: *See*— Marshall, James M.
McMahon, Bernard F., Clayton, Mo. Combination basin and utility space bathroom fixture. 2,641,519, June 9.
McMahon, Howard O., Lexington, assignor to Arthur D. Little, Inc., Cambridge, Mass. Preservation and storage of biological materials. 2,662,520, Dec. 15.
McMahon, James E., Jr., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Apparatus for controlling highway crossing signals. 2,628,306, Feb. 10.
McMahon, James E., Jr., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Highway crossing signal control systems. 2,632,099, Mar. 17.
McMahon, Jerome B., Wilmette, assignor to Republic Flow Meters Company, Chicago, Ill. Apparatus for measuring the density of gases. 2,662,394, Dec. 15.
McMahon, John R., Los Angeles, Calif. Mechanical card game apparatus. 2,645,493, July 14.
McMahon, John V.: *See*— Steele, William R., and McMahon.
McMahon, Joseph J.: *See*— Woods, John E., and McMahon.
McMahon, Lewis O., Loveland, Colo. Pressure ripper. 2,657,914, Nov. 3.
McMahon, Lorette C., Chicago, Ill. Baby bib. 2,653,324, Sept. 29.
McMahon, Richard D., Vinton, La. Rotary cutter for drills. 2,651,501, Sept. 8.
McManis, Louis B., and J. R. Cooper, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Attenuator for seismic gain control. 2,663,002, Dec. 15.
McMaster, Archie J., Deerfield, Ill., assignor to E. A. Simpson. Reading-training device. 2,662,306, Dec. 15.
McMaster, Archie J., Deerfield, W. H. Kitto, Evanston, and K. Burian, assignors to G-M Laboratories, Inc., Chicago, Ill. Mixer. 2,639,904, May 26.
McMaster, Elmer L.: *See*— Bauman, William C., and McMaster.
McMaster, Elmer L., R. M. Wheaton, and J. R. Skidmore, assignors to The Dow Chemical Company, Midland, Mich. Anion exchange resins from primary or secondary amines and methyl styrene polymers. 2,631,999, Mar. 17.
McMaster, Elmer L., R. M. Wheaton, and J. R. Skidmore, assignors to The Dow Chemical Company, Midland, Mich. Anion exchange resins from amines and alkyl styrene polymers. 2,632,000, Mar. 17.
McMaster, Elmer L., R. M. Wheaton, and J. R. Skidmore, assignors to The Dow Chemical Company, Midland, Mich. Anion exchange resins from tertiary amines and methyl styrene polymers. 2,632,001, Mar. 17.
McMennamy, Dale K., Van Nuys, Calif. Physiotherapeutic device. 2,626,600, Jan. 27.
McMickle, Levitt L.: *See*— Dale, Frank L., and McMickle.
McMillan, Alfred, New York, N. Y. Steam engine slide valve control device. 2,625,137, Jan. 13.
McMillan, Brockway: *See*— Lakatos, Emory, and McMillan.
McMillan, Brockway, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bidirectional counter. 2,656,460, Oct. 20.
McMillan, Brockway, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor amplifier circuit. 2,662,124, Dec. 8.
McMillan, Edward B.: *See*— Olson, Arthur R., and McMillan.
McMillan, Edward B., Marblehead, Mass., H. Leaderman, Arlington, Va., and R. M. Redheffer, Boston, Mass., said Leaderman and said Redheffer assignors to said McMillan. Dielectric wall for transmission of centimetric radiation. 2,659,884, Nov. 17.
McMillan, Edwin M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method of and apparatus for accelerating to high energy electrically charged particles. 2,624,841, Jan. 6.
McMillan, Edwin M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Accelerator target. 2,640,924, June 2.

McMillan, Frank M., Berkeley, and D. E. Winkler, Orinda, assignors to Shell Development Company, San Francisco, Calif. Softening agent for rubber, and resultant rubber composition. 2,648,644, Aug. 11.
McMillan, Fred L., and B. F. Wiley, Bartlesville, Okla., assignors to Phillips Petroleum Company. Thermal flowmeter. 2,652,721, Sept. 22.
McMillan, Fred L., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for electrical well logging. 2,653,294, Sept. 22.
McMillan, Fred O., Corvallis, Oreg. Method and apparatus for shelling nuts. 2,661,784, Dec 8.
McMillan, Freeman H.: *See*— King, John A., and McMillan.
McMillan, Gilhome W. J., Montebello, Calif. Lifting device for substructure covers. 2,655,399, Oct. 13.
McMillan, Harold I., assignor to Cohoes Envelope Company, Inc., Cohoes, N. Y. Parcel bag. 2,650,016, Aug. 25.
McMillan, Helen: *See*— McMillan, John and H.
McMillan, Jerry N., Colville, Wash. Boat loading device. 2,663,473, Dec. 22.
McMillan, John and H., Elko, Nev. Transparent cutter guide. 2,628,424, Feb. 17.
McMillan, Joseph E., assignee: *See*— Oliver, John G.
McMillan, Ralph C., Palos Park, Ill., assignor to Link-Belt Company. Belt conveyer take-up. 2,633,977, Apr. 7.
McMillin, Clifford K., Bellingham, Wash. Fish lure. 2,663,112, Dec. 22.
McMinn, William E.: *See*— Hassler, John W., and McMinn.
McMonagle, Irwin B., Palo Alto, Calif. Baby's safety pad. 2,629,884, Mar. 3.
McMullan, Orin W., Belleville, assignor to Bower Roller Bearing Company, Detroit, Mich. Process of heat-treating alloy steel. 2,624,687, Jan. 6.
McMullan, Orin W., Belleville, assignor to Bower Roller Bearing Company, Detroit, Mich. Alloy steel. 2,654,683, Oct. 6.
McMullen, Frederick E., Rochester, and T. H. Peck, Irondequoit, assignors to The Gleason Works, Rochester, N. Y. Gear finishing machine. 2,639,557, May 26.
McMullen, Joseph E., assignor to The Journal Company, Milwaukee, Wis. Optical comparison gauge. 2,630,631, Mar. 10.
McNabb, Edgar M., Indianapolis, Ind. Duplicating machine. 2,663,578, Dec. 22.
McNair, William S., Fayetteville, N. C. Power-operated sprayer for plants. 2,627,438, Feb. 3.
McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Transmission and clutch for clothes washers. 2,639,618, May 26.
McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Drive clutch for washing machines or the like. 2,639,794, May 26.
McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Coffee maker. 2,657,299, Oct. 27.
McNairy, Jacob W., Westport, Conn., assignor to General Electric Company. Under counter dishwasher. 2,661,750, Dec. 8.
McNally, Charles, Pawtucket, R. I. Denture. 2,662,288, Dec. 15.
McNally, Christopher J.: *See*— Mair, Jesse K., and McNally.
McNally, Harold T., Detroit, assignor to Dearborn Motors Corporation, Birmingham, Mich. Bearing for disk harrows. 2,657,957, Nov. 3.
McNally, James A., United States Navy. Projectile. 2,624,281, Jan. 6.
McNally, James A., U. S. Navy, Arlington, Va. Resiliently mounted thrust bearing. 2,636,790, Apr. 28.
McNally, James A., U. S. Navy, Arlington, Va. Pneumatic suspension system. 2,664,257, Dec. 29.
McNally, John M., Newington, assignor to Colt's Manufacturing Company, Hartford, Conn. Hammer shroud for revolvers. 2,647,338, Aug. 4.
McNally, John T., assignee: *See*— Campodonico, John J.
McNamar Boiler & Tank Company, Inc., assignee: *See*— Branson, Raymond J.
McNamara, Frank J., Buffalo, N. Y. Dolly for handling furniture. 2,627,425, Feb. 3.
McNamara, Walter F., Chicago, Ill. Gameboard stand. 2,628,839, Feb. 17.
McNamara, William J.: *See*— Ryan, Rhys E., and McNamara.
McNamee, James J.: *See*— King, John W., and McNamee.
McNamee, Owen A., Worcester, Mass., assignor to United States Steel Corporation. Extruding apparatus. 2,659,932, Nov. 24.
McNamee, Paul D., deceased (R. K. McNamee, executrix), Washington, D. C., A. B. Fay, Montgomery County, Md., and T. S. Derry, assignors to P. D. McNamee, A. B. Fay, T. S. Derry, R. E. Fuhrman, J. Rice, and H. Schreiber, Washington, D. C. Sewage sludge digestion process. 2,640,027, May 26.
McNamee, Raymond W.: *See*— Stansbury, Harry A., Jr., and McNamee. Wellman, Richard H., and McNamee.
McNamee, Robert W., Westbury, N. Y. Clothespin device. 2,644,210, July 7.
McNamee, Ruth K., executrix: *See*— McNamee, Paul D., Fay, and Derry.
McNary, James C.: *See*— Mason, Russell I., Barkson, and McNary.
McNeal, Ora C., Mantua, Ohio. Device for p[ol]ishing of marbles. 2,636,740, Apr. 28.
McNeely, Ernest L., assignee: *See*— Elliott, William J., Sr.
McNeely, William V.: *See*— Fink, Israel J., and McNeely.
McNees, Sterling G.: *See*— Clark, John W., and McNees.
McNeice, John: *See*— McKinley, John A., Phillips, Siciliano, a[nd] McNeil, Crichton, Salt Lake City, Utah. Ap[paratus for] making blood films. 2,655,898, Oct. 20.
McNeil, Gordon I., assignee: *See*— Maher, George A.
McNeil, John W.: *See*— Ambrette, Louis C., and McNeil.
McNeil Laboratories, Incorporated, assignee: *See*— Fine, Richard D. M., III.
McNeill, Albert G., Maple Glen, assignor to Bros. Inc., Philadelphia, Pa. Assembling spectacle frames. 2,631,959, Mar. 17.
McNeill, Alexander W., Lynn, Mass. Colla[psible] 2,635,265, Apr. 21.
McNeill, Angus, Chicago, Ill. Cigarette lighter Jan. 6.
McNeill, Oxford D., Forest Hill, Ontario, Cann to Colgate-Palmolive-Peet Company, Jersey Display apparatus. 2,640,289, June 2.
McNicol, Forrest C., assignor to Cutler-Hamm[er] waukee, Wis. Electrical control apparatus. Nov. 17.
McNulty, George M., and T. Cross, Jr., Union signors to Standard Oil Development Compa[ny] tion of phenols with polypropylene. 2,655,5[47]
McNulty, John V., Binghamton, assignor to H tion Corporation, New York, N. Y. Igni[tion] 2,632,133, Mar. 17.
McNutt, John W., Dravosburg, Pa., assignor States Steel Corporation. Hold-down appar[atus] dustrial trucks. 2,661,857, Dec. 8.
McPhar Engineering Company of Canada Li[mited] assignee: *See*— Cartier, William O.
McPhee, Kenneth H., and H. W. Soderstro[m] to Collins Radio Company, Cedar Rapids, Io[wa] to-ceramic seal. 2,650,683, Sept. 1.
McPherson, James B., Jr.: *See*— Smith, Paul V., Jr., and McPherson.
McPherson, John C., Bergenfield, N. J. Magn[etic] device. 2,642,999, June 23.
McQuaid, Harry W., Shaker Heights, Ohio, for making slab or billet-type ingots. 2,6[36,]24.
McQuary, Hollister A., Washington, D. C. for grinding machines. 2,637,150, May 5.
McQuay-Norris Manufacturing Company, assi[gnor] Acklin, Gordon R., Hantack, and Perrey Persons, Lawrence M.
McQuiddy, Jesse H.: *See*— Thompson, Alfred L., Nystrom, McQ[uiddy,] Stanley.
McRae, Denver D., Ivanhoe, Tex. Boat anchor. Oct. 27.
McRae, Edwin C., assignor to Ford Motor Com[pany,] born, Mich. Vehicle transmission. 2,624,21[3]
McRae, John R., assignor of one-half to P. A Cornwall, Ontario, Canada. Electronic flushing apparatus. 2,649,591, Aug. 25.
McRae, Wayne A.: *See*— Juda, Walter, and McRae.
McRae, Edwin C., assignor to Ford Motor Com[pany,] born, Mich. Vehicle transmission control. Feb. 17.
McRae, Edwin C., assignor to Ford Motor Com[pany,] born, Mich. Power lift mechanism for 2,631,515, Mar. 17.
McRae, Fred W., Los Angeles, Calif. released check valve. 2,630,818, Mar. 10.
McReary, Ronald, assignor to H. M. Mather Oreg. Locked paper box. 2,654,526, Oct.
McReynolds, Leo A.: *See*— Trimble, Harold M., McReynolds, and M[cReynolds]
McReynolds, Weldon R., Fairborn, Ohio. Sp[ring] stem. 2,653,615, Sept. 29.
McRill, Orie W., assignor of twenty-five per ce[nt to] C. Riechman, Centralia, Ill. Backflow che[ck] sewers. 2,638,178, May 12.
McRobert, Leon R.: *See*— Reynolds, Nelson E., and McRobert.
McRobert, Leon R., Greeley, Colo., assigno[r to] Ferguson, Inc., Detroit, Mich. Position co[ntrol] ratus for beet harvesters. 2,645,072, July
McShane, John F., and W. Logan, Greenwoo[d,] signors to L & M Engineering Corp., R[ed] blade lawn mower. 2,641,894, June 16.
McShurley, Mashall D.: *See*— Nichols, Charles A., Poole, Mahoney, and
McSkimmon, Donald, Cranston, R. I. Measu[ring] ment. 2,638,679, May 19.

McTavish, John S., and A. H. Topham, assignors to The Office Specialty Mfg. Company Limited, Newmarket, Ontario, Canada. Vertical-type file holder. 2,626,610, Jan. 27

McVeigh, John R., assignor to Kennametal Inc., Latrobe, Pa. Turbine wheel assembly. 2,602,725, Dec. 15.

McVey, Clarence H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Collar fastener. 2,629,616, Feb. 24.

McVey, Emmett E., and J. H. Opre, Youngstown, Ohio. Arch form for furnace roofs. 2,642,163, June 16.

McVey, Ernest, Denver, Colo. Inserting and sealing machine. 2,629,214, Feb. 24.

McVicker, Graham D., San Diego, Calif. Adjustable coat hanger. 2,650,007, Aug. 25.

McVicker, James C., Ligonier, Pa. Deflector plate. 2,644,716, July 7.

McWade, John E., Havertown, Pa., assignor to Radio Corporation of America. Electric motor type of servo mechanism for filter tuning. 2,655,627, Oct. 13.

McWain, Dean I. and R. D., Salem, Oreg. Child's portable folding high seat. 2,651,353, Sept. 8.

McWain, Ronald D.: *See*—
McWain, Dean I. and R. D.

McWaters, Harry D., Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Electric eye packing gate. 2,634,084, Apr. 7.

McWatters, Robert S., Ottawa, Ontario, Canada. Beverage brewing device. 2,645,173, July 14.

McWhirter, Eric M. S., Mount Vernon, and F. G. Popp, assignors to International Standard Electric Corporation, New York, N. Y. Intelligence exchange system. 2,645,764, July 14.

McWhorter, Cullen J., New Iberia, La., assignor to Lane-Wells Company, Los Angeles, Calif. Gun perforator cartridge. 2,630,067, Mar. 3.

McWilliams, Carl E.: *See*—
Brown, William E., Redick, and McWilliams.

Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor amplifier with conjugate input and output circuits. 2,663,766, Dec. 22.

Meacham, Larned A., New Providence, and S. E. Michaels, Brookside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor translating device. 2,627,575, Feb. 3.

Mead, Arthur T., and R. E., Wood River, Nebr. Tool sharpening machine. 2,659,184, Nov. 17.

Mead Aviation Equipment Company, assignee: *See*—
Moran, Harold J.

Mead Corporation, The, assignee: *See*—
Griesheimer, Rudolph N., and Hydell.
Savage, Russell H.

Mead, George D., Crows Landing, Calif. Pipe wrench with ratchet-controlled movable jaw. 2,645,966, July 21.

Mead, George H., Detroit, Mich., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Decorative wall surfacing material. 2,662,064. Dec. 8.

Mead, Glen K.: *See*—
Mosier, Kenneth C., and Mead.

Mead, Howard C.: *See*—
Michel, Clarence A., Mead, Diedring, and Barcus.

Mead Johnson & Company, assignee: *See*—
Wallenmeyer, John C., McDonald, and Henry.

Mead, Ronald E.: *See*—
Mead, Arthur T., and R. E.

Mead, Theodore E., Wilmette, Ill. Power-actuated apparatus for setting pins. 2,645,485, July 14.

Mead, Thomas H.: *See*—
Clark, Warren H., and Mead.

Mead, William H., assignee: *See*—
Bishop, Lewis H., and Finn.

Mead, William H., Oakland, L. H. Bishop and J. S. Finn, Burlingame, Calif., assignors, by mesne assignments, to said Mead. Apparatus for separating a mixture of granular or comminuted materials by air suspension. 2,635,745, Apr. 21.

Meade, Leonard P.: *See*—
Jennings, Gerald P., and Meade.

Meade, Lynn C.: *See*—
Bertell, Paul, and Meade.

Meade, Reginald E., Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif. Manufacture of stabilized milk. 2,627,463, Feb. 3.

Meade, Reginald E., Appleton, Wis., assignor to Western Condensing Company, San Francisco, Calif. Drying lacteal fluids. 2,661,294, Dec. 1.

Meadows, Ernest D., and R. K. Whitehead, assignors to Meadows Manufacturing Company, Atlanta, Ga. Top roll. 2,636,221, Apr. 28.

Meadows, Ernest D., assignor to Meadows Manufacturing Company, Atlanta, Ga. Pulley. 2,641,517, June 9.

Meadows, James J.: *See*—
Hice, Jaxon O., and Meadows.

Meadows, James L., R. H. Howell, A. J. Startz, and G. H. Miller, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Dethiolizing hydrocarbons. 2,641,572, June 9.

Meadows Manufacturing Company, assignee: *See*—
Meadows, Ernest D.
Meadows, Ernest D., and Whitehead.

Meagher, Ralph E., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sensitivity control circuit for a radar receiver. 2,624,871, Jan. 6.

Meagher, Ralph E., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Remote position marker. 2,634,412, Apr. 7.

Meagher, Thomas F., West Newton, Mass. Card sorting machine. 2,644,458, July 7.

Meagher, William D., Villa Park, assignor to Artcrest Manufacturing Corporation, Chicago, Ill. Drawer guide. 2,647,024, July 28.

Meaker, Stanleigh R., Clyde, N. Y. Amalgamator mixer. 2,655,353, Oct. 13.

Meakin, Edgar N., Hillsborough, Calif. Roller adjustment indicator for pellet mills. 2,626,576, Jan. 27.

Meakin, Edgar N., Hillsborough, Calif. Die-bowl assembly. 2,652,007, Sept. 15.

Mealpack Corporation, assignee: *See*—
Clarke, Houghton W.

Means, Percy, Indianapolis, Ind., assignor to the United States of America as represented by the Secretary of the Navy. Expander pliers. 2,629,276, Feb. 24.

Mearns, Herbert A., Elkins, W. Va. Pipe aligning device. 2,638,069, May 12.

Mears, Roy A., and L. R. McCreary, Long Beach, Calif. Templet bending jig. 2,642,765, June 23.

Mears, William T., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Socket connector having removable terminals. 2,624,773, Jan. 6.

Measurements Corporation, assignee: *See*—
Paine, Robert C.

Meatte, Henry C., assignor of fifty percent to F. Leavitt, St. Louis, Mo. Magazine fed sinker applying pliers. 2,655,062, Oct. 13.

Mecco, Jerry M., Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Printing assistants for vat colors comprising zirconium salts. 2,650,152, Aug. 25.

Mechanical Finishing Co., assignee: *See*—
Tansey, Lawrence J., and Hoy.

Mechanical Handling Systems Inc., assignee: *See*—
Kisskalt, Adam J.
Mullen, Edward.

Mechanical Man, Inc., assignee: *See*—
Dale, Frank L., and McMickle.

Mechanical Products, Inc., assignee: *See*—
Ingwersen, Richard C.

Mechanisms Company, assignee: *See*—
Roth, Jay M.

Mechano Gear Shift Company, assignee: *See*—
Kenyon, Bertrand F.

Mechur, Berthold: *See*—
Riedler, Walter, and Mechur.

Mechur, Berthold, and W. Riedler, New York, N. Y. Shoulder pad molding apparatus. 2,651,809, Sept. 15.

Meckler, Samuel, St. Paul, Minn. Gripper for printing presses. 2,651,991, Sept. 15.

Mecklin, Robert W.: *See*—
Stuart, David O., and Mecklin.

Meckstroth, Carl R.: *See*—
Flaws, John, Jr., and Meckstroth.

Meco-Pilot Manufacturing Company, assignee: *See*—
May, Edward M.

Mecres, S. A., assignee: *See*—
Stern, Maurice.

Medalia, Avrom I.: *See*—
Kolthoff, Izaak M., and Medalia.

Medcalf, Eugene C.: *See*—
Cooper, Hal B. H., and Medcalf.
Hill, Alfred G., Medcalf, and Sisco.

Medco Products Co. Inc., assignee: *See*—
Gessler, Harry C.

Meddock, Alvin A.: *See*—
Livers, Carlos B., and Meddock.
Trautman, Walter C., and Meddock.

Meddock, Alvin A., Van Nuys, assignor to Bendix Aviation Corporation, North Hollywood, Calif. Fluid-metering shutoff valve. 2,630,830, Mar. 10.

Meddock, Alvin A., Van Nuys, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatic quick disconnect coupling. 2,660,456, Nov. 24.

Medearis, James F., Ventura, Calif. Casing protector. 2,636,787, Apr. 28.

Medearis, James F., Ventura, Calif. Installation tool for casing protectors. 2,646,249, July 21.

Medearis, Paul A., assignee: *See*—
De Jarnett, Frank D.

Meder, Arthur: *See*—
Roughsedge, Robert H., and Meder.

Meder, Arthur A., Jr.: *See*—
Hamilton, John, and Meder.

Mederos, Thomas S., Jr., Granby, Conn., assignor to Underwood Corporation, New York, N. Y. Counting ring utilizing cold cathode tubes. 2,651,006, Sept. 1.

Medert, Adrian, trustee, assignee: *See*—
Bolesky, John D.

Mediano Capdevila, Gonzalo, Barcelona, Spain, assignor to Coturno, S. A., Caracas, Venezuela. Automatic machine for vulcanizing rubber soles on boots and shoes. 2,647,281, Aug. 4.

Mediano Capdevila, Gonzalo, Barcelona, Spain, assignor to Coturno, S. A., Caracas, Venezuela. Vulcanizing rubber soles on boots and shoes. 2,650,390, Sept. 1.

Medical Fabrics Co., Inc., assignee: *See*—
Freiberger, Herman.
Gamber, Eugene, and Freiberger.
Sigg, Karl.

Medical Specialty Company, Inc., The, assignee: *See*—
Nelson, Elhart F.

Meditz, Ludwig, New York, N. Y. Invertoscope for photographic cameras. 2,644,383, July 7.

Medlar, Lewis A.: *See*—
Hotton, Francis B., and Medlar.

Medlar, Lewis A., Oreland, assignor, by mesne assignments, to Fox Products Company, Philadelphia, Pa. Apparatus for charging batteries. 2,644,125, June 30.

Medlar, Lewis A., Oreland, and G. A. Naab, Philadelphia, Pa., assignors to J. C. Boyle, deceased, Toledo, Ohio; C. S. Thompson, administrator, assignor to C. S. Thompson, as trustee. Throttle control for automotive vehicles. 2,658,591, Nov. 10.

Medley, Harry B., Detroit, Mich., assignor to G. M. and E. Holley. Fastening means for closures. 2,639,834, May 26.

Medlin, William V., Albany, assignor to Shell Development Company, Emeryville, Calif. Apparatus for stripping and regenerating spent adsorptive powders. 2,650,155, Aug. 25.

Medway Paper Sacks Limited, assignee: *See*—
Rowland, Frank A.

Meeder, Frederick C., Grandville, Mich. Word game device. 2,648,143, Aug. 11.

Meehanite Metal Corporation, assignee: *See*—
Moore, William H.
Smalley, Oliver.

Meek, George W., Pelham, assignor to Airkem, Inc., New York, N. Y. Combination diffuser device and article supporting base. 2,657,090, Oct. 27.

Meek, George W., Pelham, and W. H. Wheeler, assignors to Airkem, Inc., New York, N. Y. Diffuser and binder base for residue of evaporable material. 2,642,310, June 16.

Meek, Orie L., Clarksburg, W. Va. Overhead door for filling stations and the like. 2,633,353, Mar. 31.

Meeker Company, Inc., The, assignee: *See*—
Elliff, Orla S.

Meeker, David A.: *See*—
Fox, Gerald B., and Meeker.

Meeker, David A., Troy, and K. C. Allen, Dayton, assignors to The Hobert Manufacturing Company, Troy, Ohio. Scale. 2,649,293, Aug. 18.

Meeker, Willard F.: *See*—
Slaymaker, Frank H., and Meeker.

Meeker, Willard F., and F. H. Slaymaker, Rochester, N. Y., assignors to Stromberg-Carlson Company. Ranging system. 2,659,878, Nov. 17.

Meeker, William H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Reversible front cuff link. 2,638,649, May 19.

Meekin, James, Jr.: *See*—
Wallace, Earl C., and Meekin.

Meeks, Donald L., assignor to The Foster Transformer Company, Cincinnati, Ohio. Terminal board for multitap transformer construction. 2,633,481, Mar. 31.

Meeks, James W., Salinas, Calif. Collapsible back rest. 2,663,880, Dec. 29.

Meeks, Oscar L., Scranton, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Rotary tiller. 2,657,620, Nov. 3.

Meers, Leo J., Los Angeles, Calif. Hand sander. 2,626,490, Jan. 27.

Mees, John, Sr., Chicago, Ill. Rolling pin. 2,652,009, Sept. 15.

Meeske, Charles J., Ferndale, and D. Laganis, assignors to Reichhold Chemicals, Inc., Detroit, Mich. Styrene modified alkyds and producing the same. 2,647,092, July 28.

Meesters, Andrew H., assignee: *See*—
Meyer, Louis C.

Meeussen, Louis: *See*—
von Fraunhofer, Hans, Verkinderen, and Meeussen.

Meffert, Emil K. E., Schmalenbek, near Hamburg, assignor to E. C. H. Will Linternaschinenfabrik, Hamburg, Germany. Paper ruling, assembling, and stapling machine. 2,663,564, Dec. 22.

Mefina, S. A., assignee: *See*—
Casas Robert, Ramon, and Court.
Court, Jean.
Gaiser, Carl.
Hoenger, Guido.

Mega Corporation, assignee: *See*—
Silvertooth, Ernest W.

Mege, Paul A., Poissy, France. Metallic cover for closing the hatchways of ships. 2,627,835, Feb. 10.

Megrail, George G., Phoenixville, assignor to Warner Company, Philadelphia, Pa. Making relatively pure magnesium oxide or hydroxide. 2,643,181, June 23.

Mehaffey, Robert J.: *See*—
Fox, Arthur L., and Mehaffey.

Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Transfer mechanism for calculating machines. 2,635,812, Apr. 21.

Mehler, Carl J., Pittsburgh, Pa. Micrometer adjustment device for valves. 2,628,588, Feb. 17.

Mehltretter, Charles L.: *See*—
Dvonch, William, and Mehltretter.

Mehltretter, Charles L., and J. C. Rankin, Peoria, assignors to the United States of America as represented by the Secretary of Agriculture. Glu
2,662,073, Dec. 8.

Mehm, Joseph A., Huntington Park, Calif., a
North American Aviation, Inc. Piston as
oscillatory hydraulic actuators. 2,649,077

Meidinger, George L.: *See*—
Norsworthy, Arthur C., Meidinger, Mayo
fert.

Meier and Pohlmann Furniture Company, assig
Whallon, Curtis.

Meier, Donald R., Erie, Pa., assignor to Gener
Company. Dynamoelectric machine member.
Aug. 4.

Meier, Johann: *See*—
Mettler, Erhard K., and Meier.

Meier, Johann H., assignor to Bucyrus-Erie
South Milwaukee, Wis. Control for pneum
tool drills. 2,660,404, Nov. 24.

Meier, Theodore, Darrouzett, Tex. Wind cont
trough. 2,656,819, Oct. 27.

Meier, William A., Rochester, Pa. Compotier.
Nov. 17.

Meier, William F., Pittsburgh, Pa., assignor t
house Air Brake Company. Air brake
paratus. 2,637,201, May 5.

Meighan, William A., and T. L. Hume, Port
Flange tensioning and joining device for
2,642,639, June 23.

Meijer, Hendrik W., Veendam, assignor to N. V
Maatschappij "Activit," Amsterdam, Netherl
in purification of sugar solutions. 2,650,17

Meiler, John G., Coos Bay, Oreg., E. G. Hallon
conver, British Columbia, Canada, and R.
Seattle, assignors to Plywood Research
Tacoma, Wash. Producing plywood. 2,63
14.

Meiler, John G., E. G. Hallonquist, and A. H.
signors to Plywood Research Foundation
Wash. Making synthetic constructional
products thereof. 2,635,976, Apr. 21.

Meilink Steel Safe Company, assignee: *See*—
McClellan, Ralph E.

Meiller, Daniel V.: *See*—
Born, Paul L., and Meiller.

Meilstrup, Emil E., Winston-Salem, N. C., a
Western Electric Company, Incorporated,
N. Y. Drill jig. 2,645,140, July 14.

Meincke, Edward, Summit, N. J., assignor, by
signments, to Union Carbide and Carbon
Thermochemical material removal. 2,626,8

Meincke, Edward, Summit, N. J., assignor, by
signments, to Union Carbide and Carbon
Thermochemical material removal. 2,627,8

Meincke, Edward, Summit, N. J., assignor, by
signments, to Union Carbide and Carbon
Powder cutting and scarfing of resistant met
2,632,721, Mar. 24.

Meincke, Edward, Summit, N. J., and H. T.
cago, Ill., assignors to Union Carbide and
poration. Blowpipe. 2,643,622, June 30.

Meinel, William J.: *See*—
Green, Samuel G., D'Ardenne, Meinel, an

Meiners, Carl O., Oldenburg, Germany. I
means for spinning and twining machines.
Jan. 20.

Meiners, Harry, St. Bernard, Ohio. Double
drapery rod bracket. 2,661,923, Dec. 8.

Meingast, Franz, Gmunden, Austria. Heel p
boots. 2,635,364, Apr. 21.

Meinhardt, John W., Dallas, Tex., assignor
Container Corporation, St. Louis, Mo. Con
insert. 2,646,201, July 21.

Meinig, Friedrich, Gottingen, Germany. Precis
2,662,762, Dec. 15.

Meinzinger, Jacob, and W. J. Voorhels, Detroi
to Ford Motor Company, Dearborn, Mich.
choke air heater. 2,653,588, Sept. 29.

Meisel, Murray A.: *See*—
Secofsky, Abraham, Meisel, and Zalman.

Meisel, Seymour L.: *See*—
Hartough, Howard D., Dickert, and Meis

Meisenheimer, Marianne: *See*—
Hecht, Gerhard, Henecka, and Meisenheim

Meisenheimer, Raymond L., Haddonfield, N. J.,
Radio Corporation of America. Direct cou
lation system. 2,654,072, Sept. 29.

Meisenheimer, Robert L., and S. R. Smith, Jr
Mass., assignors to General Electric Compa
interrupter. 2,630,508, Mar. 3.

Meister, Juan B., and M. N. Stern, Mexico C
Reversible fabric. 2,641,045, June 9.

Meister, Sam H., Shaker Heights, assignor, b
signments, to Meistergram Corporation,
Ohio. Monogramming machine. 2,624,302

Meistergram Corporation, assignee: *See*—
Meister, Sam H.

Meitz, Erwin F., Detroit, Mich. Loading apparatus. 2,629,506, Feb. 24.
Meitzler, Donald E., Oak Ridge, Tenn., assignor to United Aircraft Corporation, East Hartford, Conn. Starting system for free-piston units. 2,638,266, May 12.
Meitzsch, Fritz: *See*—
Schmidt, Hans, Behnisch, and Meitzsch.
Mekelburg, Earl F., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Push-button electric switch. 2,631,203, Mar. 10.
Mekelburg, Earl F., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Control center. 2,648,032, Aug. 4.
Mekelburg, Harold L.: *See*—
Jochem, Theodore B., and Mekelburg.
Mekler, Valentine, Jackson Heights, M. J. P. Bogart, Mamaroneck, O. C. Schauble, Mount Kisco, and E. H. Palchik, Forest Hills, assignors to the Lummus Company, New York, N. Y. Heater. 2,641,234, June 9.
Melamed, Sam, Cleveland Heights, Ohio. Cam operated synchro-ring staking tool. 2,653,493, Sept. 29.
Melamed, Sidney: *See*—
Drake, Nathan L., and Melamed
Melamed, Sidney, Philadelphia, and W. J. Croxall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Heterocyclic compounds containing sulfur and nitrogen in the ring. 2,624,729, Jan. 6.
Melancon, Dudley, assignee: *See*—
Freeman, Dewey J.
Melander, Raymond C., Ballston Spa, N. Y. Cord reinforced base for floral designs and making same. 2,645,872, July 21.
Melaro, Rose E., Oakmont, Pa. Waving hair. 2,624,347, Jan. 6.
Melcher, Cyril, assignor to Bally Case and Cooler Company, Bally, Pa. Automatic defrosting system and assembly. 2,631,442, Mar. 17.
Melchior, Effie B., assignee: *See*—
Melchior, Frederick C.
Melchior, Frederick C., New York, N. Y. Instrument actuating mechanism. 2,636,394, Apr. 28.
Melchior, Frederick C., assignor of one-half to E. B. Melchior, New York, N. Y. Pressure responsive photoelectric indicating, measuring, and control device. 2,656,721, Oct. 27.
Melchior, Wilhelm A., Wilmette, and A. R. Graff, assignors to The Columbia Malting Company, Chicago, Ill. Bucket conveyer. 2,663,402, Dec. 22.
Meldrum, Alastair M., San Francisco, Calif. Vehicle with elevating bed. 2,636,746, Apr. 28.
Meletron Corporation, assignee: *See*—
Starbird, George A.
Meletti, Adolph: *See*—
Tamarin, Bernard J., and Meletti.
Melges, Frederick J., Battle Creek, Mich. Transportable dock. 2,652,694, Sept. 22.
Melia, Earl P., Pueblo, Colo. Electric lamp shade. 2,659,809, Nov. 17.
Melick, John M.: *See*—
Mallina, Rudolph F., and Melick.
Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective plural digit indicator. 2,648,830, Aug. 11.
Melik-Minassiantz, Raphael, Paris, France. Multiornamented watch. 2,629,981, Mar. 3.
Melikian, Khoren C., assignee: *See*—
Rudd, Lloyd K., and Melikian.
Melin, Thomas N., Los Angeles, Calif. Lumber stacking device. 2,658,630, Nov. 10.
Meline, Irving, Boston, Mass., assignor to Glenbrooke Manufacturing Company of Connecticut, Incorporated, New Haven, Conn. Cup-and-saucer holder. 2,634,936, Apr. 14.
Meline, Irving N., Elma, N. Y. Motor-driven rotary pump. 2,629,330, Feb. 24.
Meling, Harold N., Yonkers, N. Y. Device for applying footwear to handicapped persons. 2,628,007, Feb. 10.
Melita, Sebastiano, assignor of one-half to K. H. Voelim, Philadelphia, Pa. Bridge for bass violins. 2,625,849, Jan. 20.
Mellen, Alice M., assignee: *See*—
Mellen, William F.
Moomaw, John C.
Mellen, Glenn L., Framingham Center, assignor to National Research Corporation, Middlesex County, Mass. Velocity measuring by use of high energy electrons. 2,637,208, May 5.
Mellen, William F., assignor to A. M. Mellen, Whittier, Calif. Automatic trip for two-way plow. 2,656,774, Oct. 27.
Meller, Reginald B., Oakland, assignor to Remiss-Jason Company, San Francisco, Calif. Glueless interlock for folding box panels. 2,634,899, Apr. 14.
Meller, Reginald B., Oakland, assignor to Remiss-Jason Company, San Francisco, Calif. Corner construction for folding boxes. 2,646,916, July 28.
Mellert, Lawrence J., Atlanta, Ga. Motion-picture camera lens attachment. 2,641,952, June 16.
Mellinger, Edward R. and R. E., Williamsport, Pa., and D. R. Howard, Chatham, N. J., said Howard assignor to said E. R. and R. E. Mellinger. Key ping for spectator announcement systems for public events. 2,663,850, Dec. 22.
Mellinger, Ruth E.: *See*—
Mellinger Edward R. and R. E., and Howard.
Mellor Bromley & Company Limited, assignee: *See*—
Shortland, Arthur.
Melnick, Daniel: *See*—
Vahlteich, Hans W., Gooding, and Melnick.
Melnick, Daniel, Teaneck, N. J., C. M. Gooding, Staten Island, N. Y., and H. W. Vahlteich, Englewood, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soya bean oil compositions. 2,627,469, Feb. 3.
Melnick, Laben M., H. W. Safford, K. Sun, and A. Silverman, Pittsburgh, Pa. Neutron absorbing glass. 2,660,532, Nov. 24.
Melnick, Samuel H., and W. Rusnak, Chicago, Ill. Fused connecting attachment. 2,627,001, Jan. 27.
Melnikoff, Zachary: *See*—
Blanco, Elias, and Melnikoff.
Melsheimer, Robert T., Hollywood, Calif. Balneotherapy apparatus. 2,649,861, Aug. 25.
Melsom, Walter A., Wembley, assignor to Bowden (Engineers) Limited, London, England. Flexible hose coupling. 2,638,361, May 12.
Melstrom, Donald S., and F. J. Watson, Oakland, assignors to Shell Development Company, San Francisco, Calif. Lubricating oil composition. 2,652,368, Sept. 15.
Meltzer, George B., assignor to Guide & Supply Co. Inc., New York, N. Y. Index member and adjustable indicator tab therefor. 2,664,089, Dec. 29.
Meltzer, Henry E.: *See*—
Meltzer, Rudolph L. and H. E.
Meltzer, Rudolph L., and H. E., and Warner.
Meltzer, Jack, Los Angeles, Calif. Making slip-lasted shoes with reinforcing counter and stitched-in sock lining. 2,648,081, Aug. 11.
Meltzer, Jack, Los Angeles, Calif. Making force-lasted shoes with counter-stiffened quarters and full-length stitched-in sock linings. 2,660,742, Dec. 1.
Meltzer, Jack, Los Angeles, Calif. Making rigidified slip-lasted shoes. 2,660,743, Dec. 1.
Meltzer, Rudolph L. and H. E., assignors to Master Appliance Mfg. Co., Racine, Wis. Impeller wheel. 2,652,190, Sept. 15.
Meltzer, Rudolph L., H. E., and W. D. Warner, assignors to Master Appliance Mfg. Co., Racine, Wis. Electric drying unit. 2,658,798, Nov. 10.
Melville, Alexander, Southport, assignor to Bleachers' Association Limited, Manchester, England. Treatment of fabric. 2,651,098, Sept. 8.
Melville, Joseph, Long Beach, N. Y. Man's tie. 2,632,893, Mar. 31.
Melvin, William J., Jr., Tar Heel, N. C. Frame attachment for supporting workers in planting. 2,658,768, Nov. 10.
Melville, William S., and G. R. Jackson, Rugby, England, assignors to The British Thomson-Houston Company Limited. Pulse generating circuit. 2,652,502, Sept. 15.
Melvin, Roy: *See*—
Planfetti, John A.; Melvin, and Earle.
Mena, Frank G., Galveston, Tex. Cuff marker. 2,624,945, Jan. 13.
Menard, Clifford G., Shrewsbury, and J. J. McCabe, assignors to The Heald Machine Company, Worcester, Mass. Machine for finishing pistons. 2,651,832, Sept. 15.
Mencfeldowski, Edward A., Jr., Milwaukee, Wis. Strainer and cleaner for paint rollers. 2,659,096, Nov. 17.
Mench, John W., and M. S. Lounsbery, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing cellulose acetal derivatives. 2,639,280, May 19.
Mende, William C., Rochelle Park, N. J., assignor to Ortho Pharmaceutical Corporation. Single dose cavity dispenser. 2,630,804, Mar. 10.
Mendels, Irwin J., assignee: *See*—
Fay, Joseph W.
Mendelsohn, Bernard E., Newtown, Mass. Cylinder lock. 2,629,249, Feb. 24.
Mendelsohn, Lewis I., Lynn, Mass., assignor to General Electric Company. Repulsion type magnetic suspension. 2,658,805, Nov. 10.
Mendelsohn, Samuel, Glen Ridge, N. J. Adjustable support for cameras and synchronizers. 2,644,380, July 7.
Mendelsohn, Samuel, Glen Ridge, N. J. Support and handle for cameras and synchronizers. 2,644,381, July 7.
Mendelson, Hans, Camden, N. J., assignor to Radio Corporation of America. Adjustable drive cord tension device. 2,645,943, July 21.
Mendelson, Irving, Paterson, N. J., assignor to Curtiss-Wright Corporation. Vibration testing apparatus. 2,625,659, Jan. 13.
Mendenhall, Earl: *See*—
Johnson, Carl E., and Mendenhall.
Mendes, Abraham P., New York, N. Y. Pressure-type alarm device. 2,626,585, Jan. 27.
Mendes, Abraham P., New York, N. Y. Fire alarm device. 2,626,586, Jan. 27.
Méndez, Alfredo, Chicago, Ill. Cooling system and apparatus for motor vehicles. 2,638,752, May 19.
Mendez Llamozas, Juan D., Caracas, Venezula. Direct push propulsion unit. 2,636,340, Apr. 28.
Mendonca, Lewis E., assignor to The Bastian-Blessing Company, Chicago, Ill. Apparatus for dispensing carbonated beverages. 2,657,952, Nov. 3.

Mendoza, Mordecai, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Morpholine azo dyestuffs. 2,653,150, Sept. 22.
Menendez, Carlos, assignee: *See*—
Ramos, Hector O.
Meng, Victor W., New Hyde Park, assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y. Gooseneck connection. 2,640,734, June 2.
Mengali, Otavio J.: *See*—
Middleton, Arthur E., and Mengali.
Mengali, Otavio J., and A. E. Middleton, Columbus, Ohio, assignors, by mesne assignments, to The Haloid Company, Rochester, N. Y. Producing an electrophotographic plate. 2,657,152, Oct. 27.
Menge, Theodore L., assignor of one-fourth to A. F. Flournoy, one-fourth to P. Hall, Shreveport, and one-eighth to W. E. Campbell, Gaddo Parish, La. Pressure blower. 2,634,903, Apr. 14.
Mengel Company, The, assignee: *See*—
Soehner, Howard C.
Mengel, Joseph T., Knoxville, Tenn. Stay-log structure for veneer lathes. 2,633,882, Apr. 7.
Mengers, Charles A.: *See*—
Haug, John S., and Mengers.
Menn, Jacob J.: *See*—
Wallace, Edwin G., and Menn.
Menne, Ray J., East Troy, Wis. Stair climber type of hand truck. 2,635,887, Apr. 21.
Mennesson, Marcel, assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, France. Micrometer. 2,626,464, Jan. 27.
Mennesson, Marcel, Neuilly-sur-Seine, assignor to "Societe d'Appareils de Controle et d'Equipement des Moteurs" (S. A. C. E. M.) S. A. R. L., Seine, France. Exhaust device for motor bicycles. 2,638,174, May 12.
Menning, Ralph H., Kansas City, Mo., and R. T. Manley, Kansas City, Kans., assignors to The Vendo Company, Kansas City, Mo. Vending machine having tiltable bottle cradle for moving bottles to vending position. 2,661,107, Dec. 1.
Menosky, George, Grand Rapids, Mich., assignor, by mesne assignments, to A M I Incorporated. Panel mounting assembly. 2,638,191, May 12.
Menough, Paul S., Rocky River, Ohio. Fabricated metal container. 2,645,472, July 14.
Mensch, Harvey P., Orange, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Ground connection for ultrahigh-frequency devices. 2,636,919, Apr. 28.
Menssen, Herman G., West Norwood, N. J. Food slicing machine. 2,638,950, May 19.
Mention, Maurice, and J. Mercier, Melle, assignors to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Treating methyl acetate. 2,650,249, Aug. 25.
Mentzer, Everett K., New Springfield, Ohio. Marble board dice game. 2,646,986, July 28.
Menz, Emil, and M. W. Schmidt, née Loedel, Rothenburg ob der Tauber, Germany. Corset spring. 2,644,946, July 14.
Menz, Francis X. and G. Z., Millville, N. J. Rosary cross case. 2,637,438, May 5.
Menz, Gus C.: *See*—
Menz, Francis X. and G. C.
Menzi, Karl: *See*—
Wegmann, Jacques, and Menzi.
Menzi, Karl, H. Riat, and J. Wegmann, assignors to Ciba Limited, Basel, Switzerland. Dyeing of cellulosic materials and dyestuff preparations suitable for this purpose. 2,662,806, Dec. 15.
Menzies, Robert J., Detroit, Mich. Draft seal. 2,638,641, May 19.
Menzies, Stewart D.: *See*—
Nogler, Raymond S., and Menzies.
Meopta, národní podnik, assignee: *See*—
Orel, Jaroslav.
Mepco, Inc., assignee: *See*—
Kirby, Leonard, Jr., and Erickson.
Merahn, Emanuel, Brooklyn, N. Y. Simulated golf club beverage and cup container. 2,639,804, May 26.
Merboth, Warren J.: *See*—
Coxe, Winthrop K., and Merboth.
Mercer, Richard, London, England. Cyclic switching apparatus. 2,644,041, June 30.
Merchant, Harvey M., assignee: *See*—
St. Martin, Laura C.
Merchant, Ralph F., assignee: *See*—
St. Martin, Laura C.
Mercier, Ernest, Paris, France, assignor to Moore, Inc., Atlanta, Ga. Steam boiler supplied with combustion gases at elevated pressure. 2,632,427, Mar. 24.
Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Check valve. 2,636,510, Apr. 28.
Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Thermal power generation. 2,653,443, Sept. 29.
Mercier, Jean, New York, N. Y. Synchronous servo-control. 2,634,387, Apr. 7.
Mercier, Jean, New York, N. Y. Counter rod shock absorber. 2,636,726, Apr. 28.
Mercier, Jules: *See*—
Mention, Maurice, and Mercier.
Mercier, Pierre, assignor to Societe d'Etudes ... structions Aero-Navales, Gennevilliers, Fran... power wheel brake, especially for aircraft. ... Nov. 17.
Mercier, Pierre-Ernest, assignor of one-half to G... New York, N. Y. Landing gear for aircraft. ... July 7.
Mercier, Robert M., assignor to Societe pour le... ment des Domes de Reservoirs a Petrole, Par... Hydrocarbon storage tank with strengthe... 2,649,059, Aug. 18.
Mercier, Robert M., Paris, France. Automatic s... tor device. 2,658,399, Nov. 10.
Mercier, Simone, assignee: *See*—
Weber, Isaac E., and Blumenfeld.
Mercier, Stanley M., Bexley, Ohio, assignor to T... Manufacturing Company. Material stacker. ... Mar. 24.
Mercier, Stanley M., Bexley, Ohio, assignor to T... Manufacturing Company. Conveyer apparatu... porting mechanism therefor. 2,642,984, June
Mercier, Stanley M., Bexley, Ohio, assignor to T... Manufacturing Company. Cover means for ... veyers. 2,644,572, July 7.
Mercier, Stanley M., Bexley, Ohio, assignor to T... Manufacturing Company. Flexible cover for ... veyers. 2,644,574, July 7.
Mercier, Stanley M., Bexley, Ohio, assignor to T... Manufacturing Company. Multirubber tire ... ably spaced conveyer return idler assembly. ... July 7.
Mercier, Stanley M., Bexley, Ohio, assignor to T... Manufacturing Company. Elevator casing ... fitting adjustable feed chute. 2,661,088, Dec
Mercier, Stanley M., Bexley, Ohio, assignor to T... Manufacturing Company. Bucket elevator ... 2,661,089, Dec. 1.
Merck & Co., Inc., assignee: *See*—
Brown, Horace D.
Clark, Robert L., and Jones.
Cope, Arthur C.
Crossley, Frank S.
Denkewalter, Robert G., Hughey, and Kute...
Folkers, Karl.
Graber, Robert P., and Wendler.
Hall, Victor C.
Holland, Arnold J.
Holly, Frederick W., Shunk, Cahill, and ...
Holly, Frederick W., Shunk, and Folkers.
Howe, Eugene E.
Howe, Eugene E., and Tishler.
Kaczka, Edward A., and Folkers.
Koniuszy, Frank R., Brink, and Folkers.
Kutosh, Stephen, Hughey, and Malcolmson.
Lewis, Irving R., and McBean.
Macek, Thomas J.
Macek, Thomas J., and Hanus.
McDaniel, Lloyd E., and Woodruff.
Minlon, Huang.
Minlon, Huang, and Babcock.
Minlon, Huang, and Tishler.
Mower, William W.
Novello, Frederick C.
Nunheimer, Thomas D.
Pfister, Karl, III, and Leanza.
Pfister, Karl, III, and Weijlard.
Rasmussen, Ida M., and Rogers.
Rogers, Edward F., and Brown.
Rogers, Edward F., and Conbere.
Schultz, Everett M.
Sletzinger, Meyer, and Tishler.
Sprague, James M.
Sprague, James M., and Schultz.
Weijlard, John, and Tishler.
Wendler, Norman L., and Graber.
Wendler, Norman L., Graber, and Haven.
Merckel, Frederick G., Montclair, and L. Reine... field, assignors to Wallace & Tiernan Produ... Belleville, N. J. Fluorine chewing gum ... 2,627,493, Feb. 3.
Merco Centrifugal Co., assignee: *See*—
Glasson, John G.
Mercury Manufacturing Company, The, assigne...
Milz, Harold E.
Mercury Sportswear, Inc., assignee: *See*—
Brumberger, Louis.
Mercy, Lee, Flushing, N. Y. Notched linoleum ... knife. 2,635,337, Apr. 21.
Meredith, Barbara B.: *See*—
Meredith, Jesse L., Jr., and B. B.
Meredith, Dennis L.: *See*—
Meredith, Frederick W., Sudworth, Mered...
Righton.
Meredith, Frederick W., Cheltenham, England, ... to S. Smith & Sons (England) Limited. Elect... control system. Re. 23,664, June 2.
Meredith, Frederick W., Cricklewood, assignor to ... and Sons (England) Limited, London, Englar... tric aircraft control apparatus. 2,651,015, Se...
Meredith, Frederick W., assignor to S. Smith ... (England) Limited, London, England. S... apparatus in aircraft. 2,649,563, Aug. 18.

Meredith, Frederick W., assignor to S. Smith & Sons (England) Limited, London, England. Automatic control system. 2,649,564, Aug. 18.

Meredith, Frederick W., J. Sudworth, D. L. Meredith, and D. W. Righton, assignors to S. Smith & Sons (England) Limited, Cricklewood, London, England. Automatic aircraft control system. 2,650,338, Aug. 25.

Meredith, Jesse L., Jr., and B. B., Alameda, Calif. Bassinet liner. 2,649,533, Aug. 18.

Meredith Publishing Company, assignee: *See*— Parrish, J Russell.

Meredith, Wilbur R., South Euclid, Ohio. Adjustable holder. 2,645,441, July 14.

Mergen, Joseph M., Verona, N. J., assignor to Curtiss-Wright Corporation. Propeller temperature control means. 2,627,927, Feb. 10.

Mergen, Joseph M., Verona, N. J., assignor to Curtiss-Wright Corporation. Multiple, race ball bearing. 2,650,864, Sept. 1.

Mergen, Joseph M., Verona, and H. Murphy, Glen Ridge, N. J., assignors to Curtiss-Wright Corporation. Propeller pitch change mechanism. 2,646,131, July 21.

Mergenthuler Linotype Company, assignee: *See*—
Abbott, William B.
Abbott, William B., and Hilpman.
Biegert, George.
Dinga, Emil W.
Doherty, Owen G.
Hahn, Frederick.
Hilpman, Paul.
Hilpman, Paul, and Bahm.
Krusberger, Joseph F.
Plastaras, James C.
Rossetto, Louis, and Squassoni.
Seaward, Charles W., and Latorraca.
Turner, Ransom H.

Mergner, Clarence F., Newark, N. J. Adjustable window ventilator. 2,624,264, Jan. 6.

Merit Engineering, Inc., assignee: *See*— Stevenson, Robert.

Merit Products, Inc., assignee: *See*— Leggett, Guy O.

Merkantila Ingenïörsbyrån Pehr Husberg Aktiebolag, assignee: *See*— Schein, Harry L.

Merkel, Alfred T., Baltimore, Md., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Switching apparatus. 2,647,964, Aug. 4.

Merkel, Charles M., C. A. Bennett, and T. E. Wright, Leland, Miss., assignors to the United States of America as represented by the Secretary of Agriculture. Cotton gin cleaner. 2,634,461, Apr. 14.

Merker, Leon, New York, N. Y., and L. E. Lynd, South Plainfield, N. J., assignors to National Lead Company, New York, N. Y. Optically glass-like material. 2,628,156, Feb. 10.

Merkley, Zane W., and W. Nichols, Mesa, Ariz. Irrigation ditch demosser and cleaner. 2,648,940, Aug. 18.

Merkling, Kenneth C., Havre, Mont. Means for furnishing refrigeration to mobile units. 2,630,688, Mar. 10.

Merkur, Martin, assignor of one-third to A. Neustadter, New York, N. Y. Plaster cast cutting machine. 2,659,969, Nov. 24.

Merla Tool Corporation, assignee: *See*— Fletcher, Clarence D.
Robinson, Art I.

Merley, Sylvan R., Riverton, and A. Kofoet, Bellmawr, N. J., assignors, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y. Oxidation of petroleum fractions. 2,626,277, Jan. 20.

Mermelstein, Morris, Schodack Center, N. Y. Device for ejecting cigar and cigarette butts and ashes from automobiles. 2,646,164, July 21.

Merner, Richard R., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacture of bis-(alkoxy-benzamido) - stilbene - disulfonates. 2,635,113, Apr. 14.

Merrell Manufacturing Company, assignee: *See*— Box, Merrell L., and Cason.

Merrell, Wm. S., Company, The, assignee: *See*— Amstutz, Edward D.
Christenson, George L.
Werner, Harold W., and Tilford.

Merriam, Henry F., West Orange, and U. S. Lauber, Ridgewood, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of sulfuric acid. 2,629,651, Feb. 24.

Merriam, John H.: *See*— Coleman, Gordon A., Greene, Merriam, Miller, and Shannon.

Merriam Manufacturing Company, The, assignee: *See*— Boden, George L., and Wiepert.
Wiepert, George D.

Merriam, Mylon, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Three-dimensional map model accuracy comparator. 2,643,576, June 30.

Merrick, Charles C., Greenville, Tex. Earth cutting tool. 2,664,273, Dec. 29.

Merrick, James L., Glen Rock, Pa. Knockdown shelving and the like. 2,636,618, Apr. 28.

Merrick, Richard H., assignor to Carrier Corporation, Syracuse, N. Y. Bearing construction. 2,652,228, Sept. 15.

Merrifield, John B., Ellisville, assignor of two-thirds to J. B. Fuller, Laurel, Miss. Bark-removing apparatus having log-rotating and log-advancing peeler heads. 2,641,289, June 9.

Merrifield, John C. F., executor: *See*— Davis, Harry R.

Merrill, Albert H., Los Angeles, Calif. Problem teaching device using answer blocks. 2,625,750, Jan. 20.

Merrill, Albert H., Los Angeles, Calif. Educational device presenting pictorial and numerical problems. 2,645,038, July 14.

Merrill, Albert H., Los Angeles, Calif. Educational device teaching reading and arithmetic. 2,645,041, July 14.

Merrill Brothers, assignee: *See*— Gmoser, Carl H., and Gardner.

Merrill, Casper W., Logan, Utah. Evaporator and refrigeration system. 2,629,238, Feb. 24.

Merrill Coal Company, assignee: *See*— Fielding, William O.

Merrill Company, The, assignee: *See*— Byler, Raymond E., and Dunn.

Merrill, Donald G., West Hartford, Conn., assignor to Emhart Manufacturing Company. Thermostat. 2,626,753, Jan. 27.

Merrill, Donald G., West Hartford, Conn., assignor to Emhart Manufacturing Company. Woven wire conveyer belt. 2,657,788, Nov. 3.

Merrill, Donald G., West Hartford, assignor to Emhart Manufacturing Company, Hartford, Conn. Apparatus for annealing glassware. 2,660,832, Dec. 1.

Merrill, Edward W., Cambridge, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Making storage battery separators. 2,626,429, Jan. 27.

Merrill, Francis G.: *See*— Felch, Edwin P., Jr., and Merrill.

Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine magnetic core member. 2,643,350, June 23.

Merrill, Homer D., and C. J. Gaiser, Berkeley, Calif., assignors to The Reaction Products Company. Manufacture of free-flowing crystalline solids. 2,624,500, Jan. 6.

Merrill, Howard J., State College, Pa. Cow stall structure. 2,642,037, June 16.

Merrill, James A., assignor to Wingfoot Corporation, Akron, Ohio. Fuel cell. 2,657,884, Nov. 3.

Merrill, Josiah L., Jr., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balancing network for loaded transmission lines. 2,632,051, Mar. 17.

Merrill, Leslie M., trustee, assignee: *See*— Boestad, Gustav K. W., and Eriksson.
Boestad, Gustav K. W., and Lindhagen.
Lindhagen, Teodor L., and Nilsson.
Mudersbach, Ernst H.
Nilsson, Hans R., and Lindhagen.
Nilsson, Hans R., and Trulsson.

Merrill, Marcellus S., and L. H. Erickson, Denver, Colo., said Erickson assignor to said Merrill. Method of and apparatus for balancing rotating bodies. 2,663,184, Dec. 22.

Merrill, Patterson D., South Bend, Ind. Film holder. 2,639,530, May 26.

Merrill, Wallace D., Monrovia, Calif., assignor to American Cyanamid Company, New York, N. Y. Manually operated pump duster. 2,658,301, Nov. 10.

Merriman, Chester F.: *See*— Commet, Charles A., and Merriman.

Merriman, Henry H., Jackson, Mich. Longitudinally shifted actuator rod with automatic locking action and rapid release. 2,646,694, July 28.

Merriman, Horace B., Coventry, assignor to Courtaulds Limited, London, England. Continuous processing of filamentary tow. 2,657,433, Nov. 3.

Merriman, Horace B., New Malden, assignor to Courtaulds Limited, London, England. Production of viscose rayon threads, fibers, filaments, and the like. 2,632,323, Mar. 24.

Merriman, Lester C., Whitehorse, Yukon Territory, Canada. Rotary fluid motor for dry shavers. 2,638,310, May 12.

Merrion, Howard J.: *See*— Elias, William, and Merrion.

Merritt, A. Jay: *See*— Funk, Casimir, and Merritt.

Merritt, Donald R., assignor to Rocky Mountain Arms Equipment Co. Inc., Helena, Mont. Telescope sight mount for rifles. 2,629,175, Feb. 24.

Merritt, Eldon A.: *See*— Lampert, Albert J., and Merritt.

Merritt, Ernest R., assignor to Eastman Kodak Company, Rochester, N. Y. Knee action dope hopper finger. 2,659,103, Nov. 17.

Merritt, Glenn W., and C. L. Muntz, Bowerston, Ohio. Track positioned car-feeding mechanism. 2,642,006, June 16.

Merritt, Glenn W., assignor to The Nolan Company, Bowerston, Ohio. Car door opener and closer. 2,643,855, June 30.

Merritt, Glenn W., assignor to The Nolan Company, Bowerston, Ohio. Conveyor apparatus. 2,660,293, Nov. 24.

Merritt, Jack A., assignor to Universal Engine Heater Company, Spokane, Wash. Heater for the coolant liquid of internal-combustion engines. 2,640,138, May 26.

Merritt, Norman A., Wilmington, N. C. Meat knife holder. 2,639,038, May 19.

Merritt, Norman A., Wilmington, N. C. Christmas tree support. 2,655,331, Oct. 13.

Merritt, William F., Middletown, N. Y., assignor, by mesne assignments, to A. F. Holden, Milford, Mich. Fingernail polish remover. 2,629,124, Feb. 24.

Merron, Arthur C., Twickenham, England. Manufacture of barrels and the like. 2,649,124, Aug. 18.

Merrow Machine Company, The, assignee: *See*— Champlin, Everett E.

Merry, Clayton B., Alderwood Manor, Wash. Improved earthworking wheel. 2,634,666, Apr. 14.

Merry, Roy L., Milo, Maine. Sawing machine with improved feed actuation. 2,625,185, Jan. 13.

Mersereau, Emory P., Thornwood, assignor to Alexander Smith, Incorporated, White Plains, N. Y. Backsized carpet. 2,637,095, May 5.

Mersereau, Emory P., Jr., Thornwood, N. Y., and J. C. Wetherill, Norwood, Pa., assignors to Alexander Smith, Incorporated. Pile fabric. 2,662,558, Dec. 15.

Merten, Bruce G.: *See*— Cord, Howard O., Merten, and Klapheke.

Mertens, Henry W., Auburn, Maine, assignor to McGraw Electric Company. Combined fuse and demand meter. 2,654,068, Sept. 29.

Mertens, Raymond O.: *See*— Clemens, Ogden A., Mertens, and Walckhof.

Mertes, Edward A., assignee: *See*— Boyle, John R.

Mertes, Edward J., Chicago, Ill., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Loading apparatus. 2,649,217, Aug. 18.

Mertler, Charles S., Mansfield, Ohio. Thermostatic switch. 2,634,350, Apr. 7.

Merton, Delmer R. and M., Oakland, Calif. Pan and pot lifter. 2,628,119, Feb. 10.

Merton, Marguerite: *See*— Merton, Delmer R. and M.

Mertz, Fred A., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Sealing ring for rotary kilns. 2,632,658, Mar. 24.

Mertz, Orville N.: *See*— Tupper, Gordon W., and Mertz.

Merz, Paul L., New Haven, Conn., F. Witzel, and A. S. Burhans, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Chewing gum base. 2,662,016, Dec. 8.

Mertzweiller, Joseph K., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of oxygenated organic compounds. 2,636,903, Apr. 28.

Mertzweiller, Joseph K., Baton Rouge, La., assignor to Standard Oil Development Company. Decobalting operation in aldehyde synthesis. 2,638,485, May 12.

Mertzweiller, Joseph K., Baton Rouge, La., assignor to Standard Oil Development Company. Making ethereal esters from aliphatic aldehyde esters and aliphatic alcohols. 2,648,692, Aug. 11.

Mertzweiller, Joseph K., Baton Rouge, and P. T. Parker, East Baton Rouge, La., assignors to Standard Oil Development Company. Catalytic synthesis of alcohols. 2,641,613, June 9.

Meryman, Harold T., assignor to Canal Industrial Company, Cabin John, Md. Electron microscope focusing device. 2,626,358, Jan. 20.

Merz, John W., Belton, Mont. Bulldozer attachment for tractors. 2,634,519, Apr. 14.

Merz, John W., Belton, Mont. Bulldozer. 2,643,472, June 30.

Merz, John W., Spokane, Wash. Bulldozer. 2,634,518, Apr. 14.

Merz, Max, assignor to Engineering Research Inc., Seattle, Wash. Chain saw. 2,632,484, Mar. 24.

Merz, Richard E., Bayonne, N. J., assignor to Standard Oil Development Company. Manufacture of high molecular weight ester from water miscible alcohol. 2,637,736, May 5.

Mesch, Orwar, S. A.: *See*— Coyne, Howard L., and Mesch.

Meschia, Carlo, Milan, Italy. Multiple disk friction clutch. 2,639,013, May 19.

Meschino, Ronald G., Toronto, Ontario, assignor to A. V. Roe, Canada Limited, Malton, Ontario, Canada. Annular vaporizer. 2,635,426, Apr. 21.

Meschino, Ronald G., Toronto, Ontario, assignor to A. V. Roe, Canada Limited, Ontario, Canada. Annular fuel vaporizer for gas turbine engines. 2,646,664, July 28.

Mesh-Lite Engineering & Research Corp., assignee: *See*— Levine, Charles, and Sallan.

Mesh, Theodore J.: *See*— Bills, Philip H., Logan, and Mesh.

Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pressure control for electromagnetically operated reciprocating piston pumps. 2,630,345, Mar. 3.

Mesnager, Jacques J. E., Paris, France. Sash gate. 2,650,474, Sept. 1.

Mesner, Max H.: *See*— Rajchman, Jan A., Mesner, and Rosenb

Messerly, George H., Staten Island, N. Y., Campbell, Santa Fe, N. Mex., assignors t States of America as represented by the the Army. Explosive flashlight. 2,653,0

Messick, Kirwan Y., Arlington, assignor of o F. G. Campbell, Arlington County, Va. Po elevator and tail gate. 2,624,477, Jan. 6.

Messing, Clarence O., Gilead, Nebr. W 2,656,795, Oct. 27.

Messing, Hjalmar S., assignor to American De New York, N. Y. Rotary feeding device Sept. 22.

Messing, Hjalmar S., assignor to American De New York, N. Y. Discharge device for fibrous material from a pressure system Oct. 27.

Messing, Hjalmar S., assignor to Americen Inc., New York, N. Y. Screw conveyer having interrupted flights. 2,663,405, De

Messinger, Bernard L., Pacific Palisades, H. Fernando, and R. R. Richolt, Tujunga, Lockheed Aircraft Corporation, Burbank, charger duct system. 2,648,490, Aug. 11.

Messinger, William, Philadelphia, Pa. Mecha ducing simultaneous oscillating and rot 2,628,503, Feb. 17.

Messinger, William, Philadelphia, Pa. Drier Dec. 8.

Messinger, William, Philadelphia, Pa., and Bronxville, N. Y., said Lytle assignor to porated, New York, N. Y. Plating tan 2,634,878, Apr. 14.

Messmore, George H., New York, N. Y. Smoki figure. 2,642,696, June 23.

Mest, Ralph D., and J. Herscovitz, Los An Corrective splint for deformed feet. 2,630,

Mesta Machine Company, assignee: *See*— Iversen, Lorenz.

Mestre, Luis, New York, N. Y. Sheet-mount 2,627,406, Feb. 3.

Metafiltration Company Limited, The, assign Pickard, Joseph A.

Metakloth Company, assignee: *See*— Van Norden, Ottomar H.

Metal Arts Company, assignee: *See*— Jack, Robert W., and Montgomery.

Metal Carrier Corporation, assignee: *See*— Stevenson, Ralph W.

Metal Engineering Company, assignee: *See*— Steine, George J.

Metal Hydrides Incorporated, assignee: *See*— Bragdon, Robert W.

Metal Products Corporation, assignee: *See*— Decker, Verl C.
Lastin, Hyman B.

Metal Specialties, Inc., assignee: *See*— Auten, Noel E.

Metal Specialties Manufacturing Co., assignee Semler, Loren H.

Metal & Thermit Corporation, assignee: *See*— Church, James M.
Church, James M., Ramsden, Hirs Buchanan.
Coffeen, William W.
Coffeen, William W., and Richter.
Lowenheim, Frederick A.
Weinberg, Elliott L., and Johnson.

Metalcraft Co., assignee: *See*— Nowell, Richard A.

Metallgesellschaft Aktiengesellschaft, assigne Arnold, Erich, Heilmann, and Vollmer.
Dorschner, Oskar, Wenzel, and Kayser.
Nüsslein, Joseph.
Schlepper, Karl.
Untermann, Walter, Sondermann, and M Wendeborn, Helmut.

Metallizing Engineering Co. Inc., assignee: Ingham, Herbert S., and Wilson.
Wilson, Charles K.

Metals & Controls Corporation: *See*— Matteson, George A., Jr., Rainville, and Ottmar, Jerome, Matteson, Savolainen, a Payette, Joseph A.
Savolainen, Unto U.

Metals & Controls Corporation, assignee: *See*— Davignon, Ermand H.
Vaughan, Victor G., Mawney, and Bagnell

Metalwash Machinery Company, assignee: *See*— Von Maur, Jacob E.
Zademach, Erich R., and Clarke.

Metcalf, Earl H., Ridgefield Park, N. J. Refi device. 2,652,029, Sept. 15.

Metcalf, George F., Syracuse, N. Y., assignor Electric Company. Demarcation of fluids 2,631,242, Mar. 10.

Metcalf, Joe S.: *See*— Hubbard, Findley E., and Metcalf.

Metcalf, William A., West Lampeter Townshi County, assignor to Armstrong Cork Co caster, Pa. Device for feeding sheet 2,657,050, Oct. 27.

Metcalfe, Jack L., and Thomas O., Bluefield, Va. Weighing scale. 2,650,391, Sept. 1.

Metcalfe, Thomas O.: *See*—
Metcalfe, Jack L., and T. O.

Meth, Max, Atlantic City, N. J. Depositing copper. 2,664,363, Dec. 29.

Method-X Company, assignee: *See*—
Teubner, Edmund E.

Method X Company, The, assignee: *See*—
Williams, Everard M.

Methven, Geoffrey W.: *See*—
Lenard, Frederick P., and Methven.

Metropolitan Device Corporation, assignee: *See*—
Rypinski, Albert B.

Metropolitan Vickers Electrical Company Limited, assignee: *See*—
Poison, Reginald A.

Metsger, Charles: *See*—
Gilbert, Samuel, and Metsger.

Metsger, Charles S., Rochelle Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic premeshing mechanism. 2,625,826, Jan. 20.

Metsky, Marvin: *See*—
Shapiro, Augustus E., and Metsky.

Mettetal, Donald, Jr., assignor to Truck Service, Inc., Chicago, Ill. Saddle mount. 2,647,760, Aug. 4.

Mettetal, Donald, Jr., assignor to Truck Service Inc., Chicago, Ill. Automobile transporting vehicle with adjustable track. 2,653,049, Sept. 22.

Mettler, Erhard K., Zollikon (Zurich), and J. Meier, Kusnacht (Zurich), Switzerland. Analytical balance. 2,648,534, Aug. 11.

Mettler, John D.: *See*—
Carosella, Michael C., and Mettler.

Metzger, George D., Cincinnati, and W. Licht, Jr., Mariemont, Ohio. Desiccant. 2,625,516, Jan. 13.

Metzger, Henry, Mercedes, Tex. Draft equalizer for tractor implement hitches. 2,659,286, Nov. 17.

Metzger, Henry L., Castleton-on-Hudson, N. Y. Article hodling insert for cartons. 2,639,081, May 19.

Metzger, Henry L., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Collapsible box. 2,657,851, Nov. 3.

Metzger, Leopold H., Chicago, Ill. Portable cooking grill. 2,631,579, Mar. 17.

Metzger, Leopold H., assignor to Super-Cut, Inc., Chicago, Ill. Diamond dressing tool. 2,662,519, Dec. 15.

Metzger, Martin C., Buffalo, N. Y., assignor to Worthington Corporation. Internal-combustion engine. 2,635,126, Apr. 14.

Metzger, Michael H., Eagle River, Wis. Toy doll bedstead. 2,628,372, Feb. 17.

Metzger, Norman A.: *See*—
Norgren, Carl A., Mosier, Bowdey, and Metzger.

Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,646,896, July 28.

Metzger, William J., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Buffer mechanism for railway vehicles. 2,652,159, Sept. 15.

Metzler, Charles L.: *See*—
Bowen, Billi, and Metzler.

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Recording apparatus. 2,633,638, Apr. 7.

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Strip feeding mechanism. 2,643,135, June 23.

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Strip feeding apparatus. 2,649,180, Aug. 18.

Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Pin wheel feeding unit. 2,663,197, Dec. 22.

Metzner, Robert G., Los Angeles, Calif. Speed change mechanism for phonograph turntables. 2,631,458, Mar. 17.

Metzner, Robert G., Los Angeles, Calif. Variable-speed induction motor. 2,636,154, Apr. 21.

Metzner, William: *See*—
Wade, Francis A., and Metzner.

Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,658,978, Nov. 10.

Meuler, Alfred F., Milwaukee, Wis. Oscillating motor for highway crossing signals. 2,658,156, Nov. 3.

Meunier, Marcel, Cuesmes, assignor to Ateliers de Constructions Electriques de Charleroi, Brussels, Belgium. Dictating machine. 2,657,062, Oct. 27.

Meunier, Paul L., Wilmington, Del., and W. Wygand, Jr., Pelhs Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing modified polyacrylonitrile staple fabric. 2,628,152, Feb. 10.

Meunier, Paul L., Wilmington, Del., and R. J. Summerill, Westville, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing textile fabric. 2,641,554, June 9.

Meunier, Vincent C.: *See*—
De Benneville, Peter L., ad Meunier.

Meurer, Nicolaus, Radolfzell/Baden, Germany. Portable aeration apparatus. 2,628,828, Feb. 17.

Meuser, Courtland G.: *See*—
Morris, Harold B., and Meuser.

Meuser, Ludwig: *See*—
Glenn, Harry D., and Meuser.

Meusy, Eugene E., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Gas valve. 2,658,514, Nov. 10.

Meyer, Albert W.: *See*—
Fisk, Charles F., and Meyer.

Meyer, Alfred W.: *See*—
Mitchell, Lloyd I., and Meyer.

Meyer, Aloys H., Jr., Melrose, Minn. Electrified gate construction. 2,642,683, June 23.

Meyer, Alvin J., Dorchester, Wis. Chopper box gate control. 2,651,542, Sept. 8.

Meyer, Alvin L.: *See*—
Cleland, James E., Curry, and Meyer.

Meyer, Amel R., Griffith, assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Welding process and apparatus. 2,638,524, May 12.

Meyer, Andre J., Lexington, Ky., and R. E. Davis, Jamestown, Ind., said Davis assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Multifuel carburetor. 2,643,647, June 30.

Meyer-Balzer Fuel Unit, Incorporated, assignee: *See*—
Meyer, David.

Meyer, Bertha M., Cincinnati, Ohio. Adjustable curtain or drape. 2,633,910, Apr. 7.

Meyer, Curtis E.: *See*—
Wachtel, Louis W., and Meyer.

Meyer, David, Canton, assignor to Meyer-Balzer Fuel Unit, Incorporated, Dover, Ohio. Fuel burner liner. 2,646,376, July 21.

Meyer, Earl A., Madison, Wis., assignor to Bjorksten Research Laboratories, Inc. Transistor design. 2,651,009, Sept. 1.

Meyer, Edgar J., Buffalo, and J. L. Read, Snyder, N. Y., assignors to American Optical Company, Southbridge, Mass. Slit mechanism. 2,664,028, Dec. 29.

Meyer, Edward N., Ada, and H. J. Steiner, Pandora, Ohio. Hitch and grill guard attachment for tractors. 2,637,586, May 5.

Meyer, Edwin A., Peshtigo, Wis. Cutter box roll carton. 2,633,985, Apr. 7.

Meyer, Edwin W.: *See*—
Julian, Percy L., Meyer, and Ryden.

Meyer, Elmere B., Jr., Shaker Heights, Ohio. Velocipede accessory for producing noise. 2,624,156, Jan. 6.

Meyer, Elsie: *See*—
Braunwalder, John, and Meyer.

Meyer, Ely, assignor to United Paper Company, Tampa, Fla. Bulge packing of fruit. 2,646,198, July 21.

Meyer, Ernst, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Universally movable coupling having a floating intermediate ring. 2,632,318, Mar. 24.

Meyer, Fred J., San Francisco, Calif. Fireplace screen support. 2,644,191, July 7.

Meyer, Frederick A., assignee: *See*—
De Vilbiss, John A.

Meyer, Frederick J., Freeland, assignor to The Dow Chemical Company, Midland, Mich. Copper diammonium pentachlorophenolate. 2,651,648, Sept. 8.

Meyer, Friedrich, assignor to Felsa S. A., Grenchen, Switzerland. Corrector for calendar clockworks. 2,632,293, Mar. 24.

Meyer, Friedrich, assignor to Felsa A., G., Grenchen, Switzerland. Timepiece movement comprising a differential gear. 2,642,716, June 23.

Meyer, Geo. J., Manufacturing Company, assignee: *See*—
Carter, Sidney T.
Gricar, Frank T., Jr., Sommers, and Meyer.
Meyer, George L. N.

Meyer, George A.: *See*—
Kosmoski, Bernard J., and Meyer.

Meyer, George F., assignee: *See*—
Fisher, Jesse.

Meyer, George L. N.: *See*—
Gricar, Frank T., Jr., Sommers, and Meyer.

Meyer, George L. N., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Inside bottle brush. 2,633,592, Apr. 7.

Meyer, George L. N., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Processing container for carbonated beverages. 2,639,849, May 26.

Meyer, George L. N., Milwaukee, Wis. Bottle seal for bottle filling machines. 2,640,640, June 2.

Meyer, Hans, Richmond, England. Means and method of marking textile articles. 2,639,255, May 19.

Meyer, Hans, Richmond, England. Marking textile articles. 2,639,256, May 19.

Meyer, Hans, Surrey, England. Machine for marking and affixing tabs to articles. 2,654,495, Oct. 6.

Meyer, Hans, Richmond Hill, Richmond, and R. W. Shepherd, Stoke Bishop, Bristol, England, said Shepherd assignor to said Meyer. Machine for affixing tabs to articles. 2,654,496, Oct. 6.

Meyer, Harry A., Detroit, and W. T. McCracken, Farmington, assignors to American Blower Corporation, Dearborn, Mich. Air diffusing device. 2,636,668, Apr. 28.

Meyer, Henry: *See*—
Bowman, Robert L., and Meyer.

Meyer, Herman E., Elwood, N. J. Preparing a photographic three-dimensional grain screen and for producing a photographic dry plate having a latent three-dimensional screen pattern thereon. 2,643,188, June 23.

Meyer, Lawrence W.: *See*—
Avey, William P., Herrington, Meyer, and McLaughlin.

Meyer, Leslie A., Mill Creek, Ind. Welder's helmet. 2,644,161, July 7.

Meyer, Louis C., near Mount Morrison, assignor of forty per cent to A. H. Meesters, Denver, Colo. Valve for controlling fluid flow by variation in electric current. 2,662,550, Dec. 15.

Meyer, Merle R., Teaneck, N. J., assignor to L. W. Tomarkin, Spring Valley, N. Y. Device for treating fabrics. 2,633,624, Apr. 7.

Meyer, Merle R., Teaneck, N. J., assignor to L. W. Tomarkin, Spring Valley, N. Y. Garment rejuvenating apparatus. 2,634,033, Apr. 7.

Meyer, Philippe, assignee: *See*—
Haenny, Rodolphe C.

Meyer, Richard E., Falls Church, Va., and O. L. Beardsley, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Army. Folding spade for gun carriages. 2,663,226, Dec. 22.

Meyer, Robert W., Elyria, assignor to The Guarantee Specialty Manufacturing Co., Cleveland, Ohio. Venetian blind tape retaining pin. 2,647,573, Aug. 4.

Meyer, Samuel, San Diego, Calif. Cigarette lighter. 2,631,446, Mar. 17.

Meyer, Walter, Tegernsee, Bavaria, Germany. Operating table with adjustable top sections. 2,636,793, Apr. 28.

Meyer, Walter E., and G. L. Flaherty, Fond du Lac County, assignors to The Michler Company, Fond du Lac, Wis. Bumper for tractors and the like. 2,639,933, May 26.

Meyer, Walter G., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Gluten treatment. 2,631,111, Mar. 10.

Meyer, Walter R.: *See*—
Siekmann, Harold J., and Meyer.
Springer, Richard, and Meyer.

Meyer, Walter R., Hamden, assignor to Enthone, Incorporated, New Haven, Conn. Etching aluminum using saccharic acid as a modifier. 2,653,860, Sept. 29.

Meyer, Walter R., Hamden, assignor to Enthone, Incorporated, New Haven, Conn. Etching aluminum using hexahydroxyheptanoic acid as a modifier. 2,653,861, Sept. 29.

Meyer, Walter R., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Work handling apparatus for crankshaft lathes. 2,653,502, Sept. 29.

Meyer, Walter W., Cuba Township, Lake County, assignor to Rotary Seal Company, Chicago, Ill. Seal. 2,650,841, Sept. 1.

Meyer, William: *See*—
Krone, Howard C., and Meyer.

Meyer, William H., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway pilot coupler. 2,632,573, Mar. 24.

Meyercord Company, The, assignee: *See*—
Klopfenstein, Jess D.
Mann, Zelvern W.
Porth, Frank L.
Rathke, Harry C.

Meyerhans, August, Nussbaumen, near Baden, and H. Hartmann, assignors to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Combined voltage and current transformer. 2,637,821, May 5.

Meyerhoefer, Carl E.: *See*—
Lewyt, Alex M., and Meyerhoefer.

Meyerhoefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner. 2,639,001, May 19.

Meyerhoefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner. 2,645,303, July 14.

Meyerhoefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle. 2,658,228, Nov. 10.

Meyerhoefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Vacuum cleaner nozzle having pivoted cleaning element. 2,659,098, Nov. 17.

Meyers, Charles J., assignor to Tubing Seal-Cap, Inc., Los Angeles, Calif. Safety arrangement for presses. 2,649,943, Aug. 25.

Meyers, Charles J., assignor to Tubing Seal-Cap, Inc., Los Angeles, Calif. Switchless safety arrangement for presses. 2,649,944, Aug. 25.

Meyers, Cornelius W., Portland, Oreg. Collapsible pouring spout. 2,641,386, June 9.

Meyers, Donald N., Philadelphia, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Spar type rotor blade. 2,644,537, July 7.

Meyers, George L.: *See*—
Wiles, Everett R., Meyers, and Coffman.

Meyers, Henry, Norwalk, Conn. Handbag. 2,646,833, July 28.

Meyers, Irving J., Richmond, Va. Supplementary cover to protect luggage. 2,647,595, Aug. 4.

Meyers, Irving J., Richmond, Va. Soft sided suitcase. 2,648,411, Aug. 11.

Meyers, Irving J., Richmond, Va. Suitcase with soft sides. 2,648,412, Aug. 11.

Meyers, James M.: *See*—
Passino, Herbert J., and Meyers.

Meyers, Louis G., New York, N. Y., assignor to Klik Enterprises, Inc. Article suspension means. 2,631,803, Mar. 17.

Meyers, Otto B.: *See*—
Putnam, David F., Robbins, and Meyers.

Meyers, Robert E., assignor to Bendix Aviation
tion, South Bend, Ind. Snap action valve m
for reciprocating pistons. 2,626,527, Jan. 27.

Meynig, Robert E., La Porte, Tex. Safety system
lines. 2,635,626, Apr. 21.

Meyrick, Harold A., and W. E. Ellsworth, Indianap
Mold temperature control apparatus. 2,632,088,

Meysner, Richard W.: *See*—
Gazeley, William E., Meysner, and Graul.

Meystre, Charles: *See*—
Wettstein, Albert, and Meystre.

Mezger, Eduard, Kallnach, Switzerland. Vibrati
ing machine. 2,652,606, Sept. 22.

Mezger, Eduard, Kallnach, Switzerland. Vibrati
ing machine. 2,652,608, Sept. 22.

Mezzacappa, Lucy, assignee: *See*—
De Pinto, Sergio.

Mezzacappa, Salvatore, assignee: *See*—
De Pinto, Sergio.

Mezzera, Guido, Milan, Italy. Roller felting
2,632,229, Mar. 24.

Miami Boiler & Machine Company, Inc., assigne
Napier, Melvin J.

Micafil A.-G., assignee: *See*—
Bräm, Alfred.
Liechti, Albert.

Micci, Nicholas: *See*—
Kolodny, Samuel, Micci, and Krueger.

Micek, Richard: *See*—
Francescatti, Anton, and Micek.

Michael, Elmer W.: *See*—
Alderman, Mattison W., Massmann, and Mich

Michael, Harold E., assignor to Northrop Aircra
Hawthorne, Calif. Aircraft door lock. 2,661,97

Michael, Henry J., Mineola, assignor to Bell T
Laboratories, Incorporated, New York, N. Y.
trunk for pulse conversion systems. 2,636,947,

Michael, John H., West Allis, assignor to Allis-C
Manufacturing Company, Milwaukee, Wis. Ele
netic relay with multiple inverse time relat
2,636,935, Apr. 28.

Michael, Vesta F., assignor to Stanolind Oil
Company, Tulsa, Okla. Separation of oxygena
pounds with bisulfite adducts. 2,625,560, Jan.

Michael, Vesta F., Wichita, Kans., assignor to S
Oil and Gas Company, Tulsa, Okla. Recover
ganic oxygenated compounds. 2,652,415, Sept.

Michaelis, John L., New Martinsville, W. Va.,
by mesne assignments, to Columbia-Southern
cal Corporation, Pittsburgh, Pa. Portable j
for electric circuits. 2,649,510, Aug. 18.

Michaels, Adlai E.: *See*—
Cyphers, Elmer B., and Michaels.

Michaels Art Bronze Company Incorporated, The, a
See—
Michaels, Lawrence.
Sanford, Roy S., and Eames.

Michaels, Gilbert J., Mattoon, Ill. Lawn and wee
2,636,333, Apr. 28.

Michaels, Hunter, New York, N. Y., and J.
Youngstown, Pa., assignors to American Lo
Company, New York, N. Y. Railway ca
2,650,853, Sept. 1.

Michaels, Lawrence, Fort Mitchell, assignor
Michaels Art Bronze Company, Covington, K
loss preventer. 2,642,170, June 16.

Michaels, Simon E.: *See*—
Meacham, Larned A., and Michaels.

Michaelsen, Charles W.: *See*—
Michaelsen, William G. and C. W., Ger
Dolan.

Michaelsen, William G. and C. W., W. H. Gerb
L. E. Dolan, assignors to Rockford Show Case &
Co., Rockford, Ill. Display tray. 2,639,033,

Michaelson, Jack, and S. R. Finglass, Baltim
Molding ornamental objects. 2,651,079, Sept.

Michaelson, Joseph M., Minneapolis, Minn. Pow
mower. 2,631,422, Mar. 17.

Michaelson, Max E., assignee: *See*—
Taylor, Bernardo E.

Michalak, Stanley, Grand Rapids, Mich. Piston
apparatus. 2,625,910, Jan. 20.

Michalitsianos, Evangelos M., Northwood, Engla
tary pump. 2,663,264, Dec. 22.

Michalowski, William, Chicago, Ill., assignor t
States Steel Corporation. Welder's chair. 2
Apr. 21.

Michals, Betty, assignee: *See*—
Redlin, Lorraine A.

Michel, Clarence A., H. C. Mead, J. H. Diedring
L. Barcus, Anderson, Ind., assignors to Genera
Corporation, Detroit, Mich. Vehicle auxiliar
2,655,592, Oct. 13.

Michel, Mathias, assignor to Aluminum Company
ica, Pittsburgh, Pa. Strip metal rolling pro
apparatus. 2,654,278, Oct. 6.

Michel, William G., Three Rivers, Mich. Ironi
holder. 2,639,879, May 26.

Michelitsch, Walter, Ludwigshafen (Rhine), Oppau, assignor to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen (Rhine), Germany. Crystallization of urea. 2,660,604, Nov. 24.

Michelitsch, Walter, Ludwigshafen (Rhine-Oppau), assignor to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen (Rhine), Rheinland-Pfalz, Bundesrepublik, Germany. Purification of urea. 2,663,731, Dec. 22.

Michell, William P., assignor to Dana Corporation, Toledo, Ohio. Fluid system for hydraulic torque converters. 2,643,517, June 30.

Michelsen, Karl, Copenhagen, Denmark. Apparatus for atomizing liquids. 2,636,778, Apr. 28.

Michelson, Adolph M.: *See*—
Todd, Alexander R., and Michelson.

Michle, John S., assignor to Reeves Pulley Company, Columbus, Ind. Low-friction variable pulley disk mounting. 2,640,365, June 2.

Michle, John S., assignor to Reeves Pulley Company, Columbus, Ind. Constant tension means with mechano-electrical torque-responsive control. 2,647,965, Aug. 4.

Michigan Pipe Co., The, assignee: *See*—
Trombley, Henry B.

Michigan Powdered Metal Products Company, assignee: *See*—
Blood, Leland C.

Michigan State Board of Agriculture, assignee: *See*—
Bouyoucos, George.

Michigan, State of, The, assignee: *See*—
Gottshall, Russel Y., Roberts, and Portwood.

Michigan Tool Company, assignee: *See*—
Monerieff, Alexander D. F.

Michler Company, The, assignee.: *See*—
Meyer, Walter E., and Flaherty.

Michna, Edward N.: *See*—
Kline, Donald, and Michna.

Michna, Edward N., Chicago, Ill. Universal link conveyer chain. 2,646,160, July 21.

Michnoff, David N., Brooklyn, N. Y., and C. M. Palmer, Washington, D. C. Key slot plug. 2,662,390, Dec. 15.

Mickey, William E., assignee: *See*—
Trautmann, Herbert L.

Micksch, Joseph E., Ashtabula; assignor to The Lake City Malleable Company, Cleveland, Ohio. Elongation indicator. 2,652,631, Sept. 22.

Micro Processing Equipment, Inc., assignee: *See*—
Marshall, Donald E.
Marshall, Donald E., Harrington, and Crane.

Micromatic Hone Corporation, assignee: *See*—
Kline, John E.
Wayne, Peter H.

Micromax, Inc., assignee: *See*—
Forbes, Duncan D.

Micucci, Dominic D.: *See*—
Evans, John L., and Micucci.

Micucci, Guy, Geneva, Switzerland, assignor to H. Roat, London, England. Suspension clip device. 2,629,154, Feb. 24.

Mid-Continent Petroleum Corporation, assignee: *See*—
Thompson, Warren L., Provine, and Lawson.

Mid-Continent Radio-Television, Incorporated, assignee: *See*—
Sherman, John M., and Fisher.

Mid-Continent Supply Company, Inc., assignee: *See*—
Ellis, Earl G.

Middendorf, Henry B., assignor to Scaffold Equipment Company, Pittsburgh, Pa. Clamp. 2,653,839, Sept. 29.

Middendorf, Henry B., assignor to Scaffold Equipment Company, Pittsburgh, Pa. Braking caster. 2,660,265, Nov. 24.

Middlemark, Marvin P., Woodside, N. Y. High-frequency system employing a reflector. 2,625,655, Jan. 13.

Middlemark, Marvin P., Woodside, N. Y. High-frequency antenna. 2,644,091, June 30.

Middlemark, Marvin P., Woodside, N. Y. Multidirectional antenna with included reflector. 2,661,423, Dec. 1.

Middleton, Arthur E.: *See*—
Mengali, Otavio J., and Middleton.

Middleton, Arthur E., Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y. Electrophotographic plate and producing same. 2,663,636, Dec. 22.

Middleton, Arthur E., and O. J. Mengali, Columbus, Ohio, assignors, by mesne assignments, to The Haloid Company, Rochester, N. Y. Producing an electrophotographic plate. 2,662,832, Dec. 15.

Middleton, Donald R., assignee: *See*—
Bixby, William H.

Middleton, Jonathan I.: *See*—
Cochran, John F., Middleton, and Jacques.

Middleton, Marshall, Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grid-controlled ignitor for ignitrons. 2,650,319, Aug. 25.

Middleton, Robert G., Woodside, N. Y., assignor to Radio Corporation of America. Adjustable coaxial line circuit element. 2,635,144, Apr. 14.

Middleton, Walter G., Jr.: *See*—
More, Kenneth R., and Middleton.

Middleton, Walter G., Bartlesville, Okla., and K. R. More, Vancouver, British Columbia, Canada, assignors to Phillips Petroleum Company. Fluid flowmeter with heated resistance bridge circuit. 2,650,496, Sept. 1.

Middleton, William H.: *See*—
Earl, Charles W., and Middleton.

Middleton, William R., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Tellurium catalysts. 2,653,138, Sept. 22.

Middleton, William R., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Catalyst and method for selective oxidation. 2,662,921, Dec. 15.

Midgley, Albert H., Moor Park, Northwood, England. Electric switch. 2,636,089, Apr. 21.

Midgley, Albert H., assignor of one-half to A. M. Midgley, Northwood, England. Electric switch. 2,656,423, Oct. 20.

Midgley, Albert M., assignee: *See*—
Midgley, Albert H.

Midgley, Douglas, East Malvern, Victoria, and N. H. Midgley, South Caulfield, Victoria, Australia. Automatically preparing outersoles. 2,648,855, Aug. 10.

Midgley, Eric L., assignor to Sylvania Electric Products Inc., Salem, Mass. Tube capping apparatus. 2,664,232, Dec. 29.

Midgley, Noel H: *See*—
Midgley, Douglas and N. H.

Midland Co., The, assignee: *See*—
Hupp, Arleigh G.

Midland Equipment Corp., assignee: *See*—
Kalka, Robert S.

Midland Steel Products Company, The, assignee: *See*—
Almond, John R.

Midstate Manufacturing Company, assignee: *See*—
Saunders, Harold A. and C. V.

Mid-States Gummed Paper Company, assignee: *See*—
Vetter, Robert E.

Mid-West Abrasive Company, assignee: *See*—
Muehling, Anthony A.

Mid-West Bottle Cap Co., assignee: *See*—
Sonnenberg, Rudolph.

Mid-West Laundry Machinery Manufacturers, Inc., assignee: *See*—
Petersen, Hans P.

Midwest Metal Stamping Co., assignee: *See*—
Holmdahl, Arthur C.

Midwest Research Institute, assignee: *See*—
Goland, Martin, and Wickersham.

Midwest Tool and Cutlery Company, assignee: *See*—
Yeomans, Lucien I.

Midwestern Geophysical Laboratory, assignee: *See*—
Morrow, Marvin E.

Miehle Printing Press and Manufacturing Company, assignee: *See*—
Pasquinelli, Bruno B.
Peyrebrune, Henri E.
Peyrebrune, Henri E., Pasquinelli, and Sites.

Mierendorf, Robert C., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Synchronizing system for electronic tubes. 2,638,566, May 12.

Mierley, George M., Havertown, and J. N. Schlotter, Philadelphia, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus with air-cooling means. 2,625,793, Jan. 20.

Miers, Jackson C., Concord, and H. S. Owens, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Coating nuts and the resulting product. 2,631,938, Mar. 17.

Miescher, Karl, Riehen, A. Wettstein, Basel, and J. Heer, Binningen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Manufacture of bromocholadienes. 2,650,930, Sept. 1.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparing derivatives of marrianolic acid. 2,653,164, Sept. 22.

Miescher, Karl, Riehen, and A. Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. New azapentylene diammonium salt. 2,654,776, Oct. 6.

Miescher, Karl, Riehen, and A. Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Quaternated aza-pentane amines. 2,654,785, Oct. 6.

Miescher, Karl, Riehen, and J. Schmidlin, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Photochemical preparation of 17,20-hydroxyketones of the pregnane series. 2,662,854, Dec. 15.

Miescher, Karl, Rhine, and J. Schmidlin, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Δ^4-17α-hydroxy-3,20-diketo-pregnen-21-als. 2,664,428, Dec. 29.

Miescher, Karl R., A. Wettstein, and J. Schmidlin, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Steroids having a 17-positioned semicyclic double bond. 2,656,348, Oct. 20.

Miescher, Karl R., A. Wettstein, and J. Schmidlin, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Oxo-steroids and making same. 2,656,365, Oct. 20.

Miessmer, Emil: *See*—
Bucknell, William H., and Miessmer.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Harding Township, Morris County, N. J. Vibratory reed musical instrument. 2,640,384, June 2.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Morristown, N. J. Antileak fountain pen. 2,642,041, June 16.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Morristown, N. J. Fountain pen. 2,642,043, June 16.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Harding Township, Morris County, N. J. Photoelectric translating system. 2,654,810, Oct. 6.

Miessner, Benjamin F., assignor to Miessner Inventions Inc., Harding Township, Morris County, N. J. Apparatus for the production of music. 2,656,755, Oct. 27.

Miessner Inventions Inc., assignee: *See*—
Miessner, Benjamin F.

Mietchen, Jerome C., Ogden, Utah. Protective cover for wrist watches. 2,635,416, Apr. 21.

Mietzsch, Fritz: *See*—
Schmidt, Hans, Mietzsch, and Behnisch.

Mighton, Harold R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymerizing epsilon-caprolactam. 2,647,105, July 28.

Mignocchi, Serge, New York, assignor to Serge Elevator Co., Inc., Bronx, N. Y. Protective device and electrical circuit. 2,637,834, May 5.

Mignolet, Jean, Denver, Colo. Serving, mixing, and cooking utensil. 2,658,730, Nov. 10.

Mihalakis, Agis I., assignor to Glowmeter Corporation, Buffalo, N. Y. Vehicle indicator optical projection device. 2,641,159, June 9.

Mihalakis, Agis I., Battle Creek, Mich., assignor to Glowmeter Corporation, Buffalo, N. Y. Vehicle indicator optical projection device. 2,641,160, June 9.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Tape-controlled camera shutter and release. 2,629,302, Feb. 24.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Combined range and view finder. 2,632,357, Mar. 24.

Mihalyi, Joseph, and H. A. Bing, assignors to Eastman Kodak Company, Rochester, N. Y. Range finder adjusting mechanism. 2,655,832, Oct. 20.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Insecticidal aerosol compositions comprising a 1,1,1-trichloro-2,2-bis (ethoxy methyl phenyl) ethane in a chloro-fluoro methane. 2,637,676, May 5.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Corrosion preventing agent. 2,659,705, Nov. 17.

Mikeska, Louis A., and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Synthetic lubricating oil. 2,642,452, June 16.

Mikeska, Louis A., Westfield, and L. T. Eby, Linden, N. J., assignors to Standard Oil Development Company. Synthetic lubricating oil. 2,651,657, Sept. 8.

Mikeska, Peter L., assignor to The Dole Valve Company, Chicago, Ill. Seat for rotary plug valve. 2,628,809, Feb. 17.

Miketta, C. A., assignee: *See*—
Fullerton, James B.

Miklos, Heinrich, Vienna, Austria, assignor to AVE Transportmittel Holding A. G., St. Moritz, Switzerland. Baby carriages or the like having individually rockably supported axles. 2,639,925, May 26.

Mikolas, Franz, Vienna, Austria. Sewing machine for making one-thread machine seams. 2,636,461, Apr. 28.

Mikoski, John M., Spokane, Wash. Clamp. 2,662,261, Dec. 15.

Miksch, Johannes: *See*—
Rambacher, Paul, and Miksch.

Mikuláček, Libor, and M. Strnad, Brunn, Czechoslovakia. Operation of combustion motors by hydrazine. 2,648,317, Aug. 11.

Milan, Horace R., and O. L. Bluege, Washington, D. C. Fish stringer. 2,662,257, Dec. 15.

Milander, John E., and J. W. Gaba, Oakland, Calif. Utility unit for electric appliances and the like. 2,654,056, Sept. 29.

Milazzo, Salvatore: *See*—
Sichak, William, and Milazzo.

Milberg, Jacques R., East Rockaway, N. Y. Garment structure with crotch. 2,651,048, Sept. 8.

Milberger, Ernest C.: *See*—
Hughes, Everett C., and Milberger.

Milbers, Arthur: *See*—
Untermann, Walter, Sondermann, and Milbers.

Milborn, Hans: *See*—
Van Bemmel, Pieter M., and Milborn.

Milburn, Walter F., Chicago, Ill. Hot top. 2,629,152, Feb. 24.

Milby, William R., Detroit, and A. U. Eslick, Grosse Pointe, assignors to The Detroit Edison Company, Detroit, Mich. Clothes drier. 2,651,113, Sept. 8.

Milchin, Jack, Montreal, Quebec, Canada. Bottle carrying carton. 2,653,749, Sept. 29.

Mildner, Raymond C., Shirley, Oxhey, and C. E. C. Lovelace, Blackheath, London, assignors to Telegraph Construction & Maintenance Company Limited, London, England. Manufacture of air spaced electric cables. 2,645,590, July 14.

Mildner, Raymond C., Oxhey, and C. E. C. Lovelace, Blackheath, London, assignors to Telegraph Construction & Maintenance Company, Limited, London, England. Joint for coaxial electrical cables. 2,657,252, Oct. 27.

Mildrum, Roy F.: *See*—
Novak, August W., and Mildrum.

Milentz, Charles A., St. Louis, Mo. Wrench having closed and lever-locked pivotal jaws. 2,643,568,

Miles, Ernest C., Dallas, Tex. Adjustable wea for windows. 2,642,636, June 23.

Miles, Frank D., West Kilbride, Scotland, ass Imperial Chemical Industries Limited. Liqu 2,630,010, Mar. 3.

Miles, John, & Partners (London) Limited, assign Hookham, George.

Miles, John R., Des Plaines, assignor to Chica Survey Company, Chicago, Ill. Optical system ular viewing devices. 2,058,422, Nov. 10.

Miles Laboratories, Inc., assignee: *See*—
Kamlet, Jonas.
Stauffer, Dale A., and Fancher.

Miles, Maebyn L., assignor to Nancy Garment Kent, Wash. Child's overall garment. 2,661,47

Miles Park Machine & Tool, Inc., assignee: *See* King, John W., and McNamee.

Miles, Robert C., Charlevoix, Mich. Ventilatin ment for automobiles. 2,640,408, June 2.

Miles, Selwyn P.: *See*—
Morse, John W., Miles, and Bell.

Miles, Sidney E.: *See*—
Garner, Philip J., and Miles.

Miles, William S., Hastings on Hudson, assignor Manville Corporation, New York, N. Y. Appa cutting sheet material. 2,643,720, June 30.

Milford Shoe Co., assignee: *See*—
Sherbrook, Victor A.

Milgrom, Hymen T.: *See*—
Heuboski, Walter J., and Milgrom.

Milhavet, André G., Bonneuil-sur-Marne, Franc bined pencil case and pointer. 2,636,476, Apr.

Milhizer, Edward W., Detroit, Mich. Caster swivel lock. 2,654,112, Oct. 6.

Milholland, Murray E., assignee: *See*—
Tucker, Jesse D.

Militano, Vincent, Levittown, assignor to The Fl brella Frame Company, Inc., New York, N. ing umbrella. 2,649,103, Aug. 18.

Militano, Vincent, Levittown, assignor to The Fl brella Frame Company, Inc., New York, N. Y. umbrella. 2,649,104, Aug. 18.

Militano, Vincent, Levittown, assignor to The Fl brella Frame Company, Inc., New York, N. Y. umbrella. 2,661,012, Dec. 1.

Milkow, Robert, New York, N. Y. Machine for glue to sheet material. 2,661,716, Dec. 8.

Milkwick, Clifford F.: *See*—
Eide, Ole J., Johnson, and Milkwick.

Mill Engineering & Supply Co., assignee: *See*— Sundbom, Carl S., and Winquist.

Millar, Ronald L., Chicago, Ill., assignor to The Company, Cleveland, Ohio. Alkyd modified coating compositions. 2,663,694, Dec. 22.

Millard, Harper, Freeport, Ill., assignor, by mesn ments, to Minneapolis-Honeywell Regulator Minneapolis, Minn. Overcenter snap device. Feb. 10.

Millard, Harper, Freeport, Ill., assignor, by mesn ments, to Minneapolis-Honeywell Regulator Minneapolis, Minn. Snap action mechanism. Mar. 10.

Millard, Lee P., Chicago, Ill., assignor to Inte Harvester Company. Cotton picker doffer 2,654,202, Oct. 6.

Millard, Lee P., and H. O. Vogel, Chicago, Ill., to International Harvester Company. Bal mechanism for forming vented bales. Oct. 6.

Millard, Mark F., assignor to Boeing Airplane Wichita, Kans. Fitting for flexible fu 2,640,493, June 2.

Millen, Hugh M., assignor to Vico Products Chicago, Ill. Riboflavin derivatives and same. 2,634,265, Apr. 7.

Millen, James R., assignor to National Product pany, Detroit, Mich. Resiliently suspende 2,631,650, Mar. 17.

Millendorf, Alfred J.: *See*—
Naragon, Ernest A., Vergilio, and Millendorf

Miller, Albert: *See*—
Miller, Carl F. and A.

Miller, Albert A., assignor to M. & W. Patents Coventry, England. Electrical control m change-speed gearing. 2,658,408, Nov. 10.

Miller, Alfred A., Cleveland, Ohio. Liquid leve ing instrument. 2,645,125, July 14.

Miller, Alfred A., Cleveland, Ohio. Reciprocati tool. 2,648,892, Aug. 18.

Miller, Allan C.: *See*—
Wengen, Henry R., Miller, and Schoonmaker,

Miller, Alton B., assignor to Bendix Aviation Cor South Bend, Ind. Power boost control 2,662,377, Dec. 15.

Miller, Alvin J., Bartlesville, Okla., assignor to Petroleum Company. Separating and recoveri carbons. 2,630,403, Mar. 3.

Miller, Alvin J., and J. L. Groebe, Bartlesville, signors to Phillips Petroleum Company. Se and recovering hydrocarbons. 2,630,402, Mar.

Miller, Andrew C., A. M. Kamper, and G. Berry, Coventry, assignors to Humber Limited, Stoke, Coventry, England. Motor vehicle power transmission system. 2,646,864, July 28.

Miller, Anthony P., Pleasantville, N. J. Electric shaver. 2,640,259, June 2.

Miller, Archie R., Easton, assignor, by mesne assignments, to Roller-Smith Corporation, Bethlehem, Pa. Air circuit breaker. 2,633,518, Mar. 31.

Miller, Archie R., Easton, assignor, by mesne assignments, to Roller-Smith Corporation, Bethlehem, Pa. Air circuit breaker. 2,644,875, July 7.

Miller, Arthur, Watertown, assignor to Sanborn Company, Cambridge, Mass. Electrical calibration system. 2,660,165, Nov. 24.

Miller, Arthur E.: *See*—
McKinney, James F., and Miller.

Miller, Arthur E., Kenmore, assignor to The Scott Aviation Corporation, Lancaster, N. Y. Master cylinder with fluid-volume compensating valve in piston. 2,638,748, May 19.

Miller, Arthur E., Milwaukee, Wis. Lawn trimmer and edger. 2,654,985, Oct. 13.

Miller, Arthur J., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Temperature measurement. 2,652,497, Sept. 15.

Miller, August E., Cliffside Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Hermetic variable gap crystal holder. 2,624,854, Jan. 6.

Miller, Benjamin, Ozone Park, N. Y., assignor to The Chemical Foundation, Incorporated. Transportation of natural gas. 2,658,360, Nov. 10.

Miller, Benjamin, assignor to Argo Lamp Company, Philadelphia, Pa. Smoking stand and article support. 2,636,632, Apr. 28.

Miller, Benjamin G., Santa Fe, N. Mex. Collapsible bucket. 2,664,131, Dec. 29.

Miller, Benjamin J., Alliance, Ohio. Fork attachment for springing bicycle wheels. 2,649,312, Aug. 18.

Miller, Bertrand J.: *See*—
Morris, George V., and Miller.

Miller, Brian E. M.: *See*—
Whigham, George H., and Miller.

Miller, Carl E., Columbus, Ohio, assignor, by mesne assignments, to Bituminous Coal Research, Inc., Pittsburgh, Pa. Boiler tube fly ash collector. 2,647,588, Aug. 4.

Miller, Carl F. and A., Orchard Park, N. Y. Apparatus for refining used lubricating oil. 2,626,229, Jan. 20.

Miller, Carl S., and B. L. Clark, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Heat-sensitive copying paper. 2,663,654, Dec. 22.

Miller, Carl S., and B. L. Clark, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Heat-sensitive copying paper. 2,663,655, Dec. 22.

Miller, Carl S., and B. L. Clark, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Heat-sensitive copying paper. 2,663,656, Dec. 22.

Miller, Carl S., and B. L. Clark, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Heat-sensitive copying paper. 2,663,657, Dec. 22.

Miller, Carlton C.: *See*—
Haeg, Robert J., and Miller.

Miller, Carroll T.: *See*—
Amos, James L., and Miller.

Miller, Casper J., Los Angeles, Calif. Vibratory massage device. 2,624,335, Jan. 6.

Miller, Catherine F., administratrix: *See*—
Miller, Charles J.

Miller, Cecil, Pomona, Calif. Swivel. 2,651,533, Sept. 8.

Miller, Charles A.: *See*—
Long, Loren M., and Miller.

Miller, Charles A., V. G. Dreier, and W. Gilchrist, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,629,234, Feb. 24.

Miller, Charles A., Detroit, and L. M. Long, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Substituted succinimides. 2,643,257, June 23.

Miller, Charles A., Detroit, and L. M. Long, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Substituted succinimides. 2,643,258, June 23.

Miller, Charles A., Detroit, and L. M. Long, Grosse Pointe Woods, assignors to Parke, Davis & Company, Detroit, Mich. Substituted succinimides. 2,643,259, June 23.

Miller, Charles B.: *See*—
Smith, Lee B., and Miller.

Miller, Charles B., Lynbrook, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of fluoroolefins. 2,628,989, Feb. 17.

Miller, Charles B., Lynbrook, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of fluoro organic compounds. 2,637,748, May 5.

Miller, Charles B., Lynbrook, N. Y., and J. D. Calfee, Dayton, Ohio, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Polymerization of vinylidene fluoride to waxy products. 2,635,093, Apr. 14.

Miller, Charles E., Westmont, N. J., assignor to Radio Corporation of America. Automatic selective and sequential tuner. 2,651,397, Sept. 8.

Miller, Charles H., Rochester, N. Y. Mold unit. 2,632,225, Mar. 24.

Miller, Charles J., deceased, Buffalo, N. Y., by C. F. Miller, administratrix, Buffalo, N. Y. Apparatus for powdering the interior of surgeons' gloves. 2,642,033, June 16.

Miller, Charles W., assignor to The E. Keeler Company, Williamsport, Pa. Steam generator. 2,630,790, Mar. 10.

Miller, Charles W., Sale, England, assignor to General Electric Company. Optical projection display system. 2,639,421, May 19.

Miller, Charles W., Sale, G. Saxon, Stockport, and M. C. Crowley-Milling, Colwyn Bay, England, assignors to General Electric Company. Wave guide elbow joint. 2,640,877, June 2.

Miller, Clarence E., assignor of one-half to H. V. Boggs, Chicago, Ill. Control valve. 2,630,827, Mar. 10.

Miller, Clarence H., assignor to Standard Pattern Works, Detroit, Mich. Core grinding machine. 2,629,209, Feb. 24.

Miller, Clarence R., Peoria, Ill. Tension testing device for the upper and lower threads of lock-stitch sewing machines. 2,625,819, Jan. 20.

Miller, Clarence W.: *See*—
Eklund, Henrik J., and Miller.

Miller, Claud T.: *See*—
Goodman, Clarence, and Miller.

Miller Company, The, assignee: *See*—
De Lancey, Ralph W.
Runge, Richard M., and Pascucci.

Miller, Cornell M., Philadelphia, Pa., and R. L. Woodbury, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Army. Body garment and cargo pocket therefor. 2,663,876, Dec. 29.

Miller, Daniel W.: *See*—
Brown, Edward G., and Miller.

Miller, Daniel W., assignor of one-half to E. G. Brown, Lakewood, Ohio. Garbage disposal device. 2,629,558, Feb. 24.

Miller, Dariel E., East Los Angeles, assignor to Kelite Products, Inc., Los Angeles, Calif. Process and composition for washing glass. 2,656,289, Oct. 20.

Miller, David M.: *See*—
Claggett, Albert D., and Miller.

Miller, De Mont G., San Marino, and J. C. Grant, Los Angeles, assignors to Byron Jackson Co., Vernon, Calif. Adjustable line wiping device. 2,657,414, Nov. 3.

Miller, Donald B., Wheaton, Ill. Gas leakage test box. 2,658,434, Nov. 10.

Miller, Donald F., assignee: *See*—
Pomagalski, Jean.

Miller, Donald F., Jr., assignee: *See*—
Pomagalski, Jean.

Miller, Donald H., assignor to Cooperative Grange League Federation Exchange, Inc., Ithaca, N. Y. Stable gutter cleaner. 2,630,907, Mar. 10.

Miller, Donald L., Horseheads, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,624,202, Jan. 6.

Miller, Donald L., Horseheads, N. Y., assignor to Bendix Aviation Corporation. Engine starter drive. 2,643,548, June 30.

Miller, Donald L., Horseheads, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,644,098, June 30.

Miller, Donald L., Horseheads, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,644,338, July 7.

Miller, Donald S.: *See*—
Carroll, Kenneth G, and Miller.

Miller, Durando, Jr., Pelham Manor, assignor to The Permutit Company, New York, N. Y. Filter bottom. 2,648,439, Aug. 11.

Miller, Earl M., Euclid, assignor to M. Freedman, Cleveland, Ohio. Coffee maker. 2,626,342, Jan. 20.

Miller, Earle C., assignor to Riley Stoker Corporation, Worcester, Mass. Spreader stoker. 2,643,782, June 30.

Miller, Edna B., Camp Lejeune, N. C. Educational shoelace. 2,646,630, July 28.

Miller, Edward M., assignor to The C. L. Gougler Machine Company, Kent, Ohio. Combination controlled night latch. 2,645,925, July 21.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Multiple spindle gear shaping machine. 2,628,537, Feb. 17.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear generating machine with rack type cutter. 2,628,538, Feb. 17.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Double-acting gear shaping machine. 2,638,036, May 12.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Reversing feed gear shaping machine. 2,640,397, June 2.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear shaping machine with displaceable apron. 2,641,968, June 16.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for cutting and finishing gears, etc., by form cutters. 2,643,583, June 30.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Multiple spindle planetary gear generating machine. 2,644,368, July 7.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for cutting or finishing gear teeth and analogous formations. 2,659,277, Nov. 17.

Miller Electric Manufacturing Co., assignee: *See*—
Mulder, Allan C.

Miller, Ellsworth S., Detroit, Mich. Motion-picture film reel case. 2,631,725, Mar. 17.

Miller, Ellsworth S., Detroit, Mich. Motion-picture film reel band. 2,633,983, Apr. 7.

Miller, Elmer: *See*—
Folkins, Hillis O., Miller, and Hennig.

Miller, Elmer P., Irvington, N. J. Viscosimeter. 2,638,778, May 19.

Miller, Elton W., Hampton, Va. Hanger. 2,652,998, Sept. 22.

Miller, Enoch M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Air conditioning control apparatus. 2,664,244, Dec. 29.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Method of and apparatus for making flake sulfur. 2,629,895, Mar. 3.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Cyclic adsorption process. 2,630,191, Mar. 3.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Recovery of elemental sulfur in liquid form from gases containing hydrogen sulfide and the conversion of the liquid sulfur into solidified flakes. 2,630,374, Mar. 3.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Catalytic desulfurization of gases. 2,630,375, Mar. 3.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Water heating system. 2,647,370, Aug. 4.

Miller, Ernest B., Houston, Tex., assignor to Jefferson Lake Sulphur Company, New Orleans, La. Carbon black furnaces. 2,649,360, Aug. 18.

Miller, Ernest C. C., Laurelton, N. Y. Broom machine. 2,638,277, May 12.

Miller, Ernest F., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine engine apparatus designed to burn wet pulverized fuel. 2,648,950, Aug. 18.

Miller, Floyd F.: *See*—
Gilbert, Harry, Miller, and Folt.
Gilbert, Harry, and Miller.

Miller, Francis B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Variable transformer for alternating current welders. 2,651,023, Sept. 1.

Miller, Francis C., Red Lion, Pa. Table game. 2,655,379, Oct. 13.

Miller, Frank A., assignor to Hi-Loy Company, Inc., Buffalo, N. Y. Composition and method for the production of alloys. 2,659,669, Nov. 17.

Miller, Frank G., Denville, N. J., assignor, by mesne assignments, to Diamond Crystal Salt Co., St. Clair, Mich. Salt composition. 2,664,357, Dec. 29.

Miller, Frank M.: *See*—
Hawes, Russell J., Miller, and Stephens.

Miller, Fred B., assignor to Goodman Manufacturing Company, Chicago, Ill. Gathering and loading machine. 2,664,185, Dec. 29.

Miller, Fred B., Hagerstown, Md. Truss head and mounting therefor. 2,654,366, Oct. 6.

Miller, George, Wellesley, and E. K. Renz, Dedham, assignors to Knight Leather Products, Inc., Boston, Mass. Toilet case. 2,640,520, June 2.

Miller, George E.: *See*—
Kirk, John B., and Miller.

Miller, George E., Sacramento, assignor to E. Clemens Horst Company, San Francisco, Calif. Hop picking machine. 2,647,521, Aug. 4.

Miller, George L.: *See*—
Hill, Irving, and Miller.

Miller, George R., Jr., East Hempfield Township, Lancaster County, and A. W. Weidner, York, assignors to Armstrong Cork Company, Lancaster, Pa. Venting closure and liner therefor. 2,626,073, Jan. 20.

Miller, George W.: *See*—
Reichenecker, William J., Miller, and Wolf.

Miller, Gerald F., Dallas, Tex. Garment construction. 2,661,472, Dec. 8.

Miller, Gladys D., assignee: *See*—
Harkenrider, Robert J.

Miller, Glen E., Marion, Iowa. Adjusting mechanism for the digging boom and scraper boom of endless type ditching machines. 2,649,792, Aug. 25.

Miller, Glenn C., Portland, Oreg. Vehicle mud flap. 2,652,266, Sept. 15.

Miller, Glennard E.: *See*—
Johnston, William R., Reich, and Miller.

Miller, Gordon H.: *See*—
Meadows, James L., Howell, Startz, and Miller.

Miller, Graeme R. M., Stepps, Glasgow, Scotland. Automatic machine for molding pie shells from dough. 2,656,798, Oct. 27.

Miller, Grant, Washington, D. C. Activated airplane weather vane. 2,633,746, Apr. 7.

Miller, Guy O.: *See*—
Hammond, Dale V., Shaw, and Miller.

Miller, H. B., Limited, assignee: *See*—
Miller, Peter S.

Miller, Hans R., Cross Lake, Minn. Earth m
vehicle propelling conveyor for self-loading
ing machines. 2,651,120, Sept. 8.

Miller, Harold L., Grosse Pointe Park, Mich.,
Robot Appliances, Inc. Torque transmitting
2,630,019, Mar. 3.

Miller, Harold M.: *See*—
Ransom, David H., and Miller.

Miller, Harry, Kansas City, Mo. Production of
centrates. 2,626,869, Jan. 27.

Miller, Harry C., assignee: *See*—
Eiffert, Otto H., and Thomas.

Miller, Harry E., Buffalo, W. Va. Valve ste
machine. 2,645,887, July 21.

Miller, Harry E., deceased, Madison, N. J.; J.
executor of said H. E. Miller, assignor to
Interests, Inc., Roselle Park, N. J. Child's
toy. 2,639,542, May 26.

Miller, Harry F.: *See*—
Calhoun, Samuel E., and Miller.

Miller, Harvey D., Youngstown, and J. C.
Cortland, assignors to The McKay Machine
Youngstown, Ohio. Apparatus for uncoil
metal. 2,653,643, Sept. 29.

Miller, Henry C., Claymont, and H. S. Rothrock
to E. I. du Pont de Nemours & Company, W
Del. Polymerization of acrolein. 2,657,192,

Miller, Henry E., Columbus, Ohio. Material
transferring apparatus. 2,644,593, July 7.

Miller, Henry J.: *See*—
Broussard, Robert F., Miller, Sollenbe
Christensen.

Miller, Henry L.: *See*—
Sinko, John, and Miller.

Miller, Herbert T., Houston, Tex. Removable d
back-pressure valve for drill strings. 2,656,15

Miller, Hercheal W., Davenport, Iowa, and B.
East Moline, Ill., assignors to American Ma
Metals, Inc., New York, N. Y. Counter t
the number of times a shaft is moved. 2,661,9

Miller, Herman, assignor to Miller Laundry
Co., Detroit, Mich. Swingable door for tun
clothes washing machines. Re. 23,727, Oct. 2

Miller, Herman, Detroit, Mich. Swingable door f
type clothes washing machines. 2,639,601, Ma

Miller, Herman C., Waterbury, Conn., assignor
States Rubber Company, New York, N. Y.
joint. 2,628,544, Feb. 17.

Miller, Herman, Furniture Company, assignee:
Eames, Charles.

Miller, Homer H., Bridgeport, Conn., assignor t
Electric Company. Electric waffle iron and he
ment therefor. 2,635,169, Apr. 14.

Miller, Homer H., Bridgeport, Conn., assignor t
Electric Company. Combined handle and
2,641,994, June 16.

Miller, Homer H., Bridgeport, Conn., assignor t
Electric Company. Waffle iron and improved
hinge therefor. 2,655,687, Oct. 20.

Miller, Howard J.: *See*—
Miller, Marie B. and H. J.

Miller, Howard L., Cleveland Heights, assignor t
Steel Corporation, Cleveland, Ohio. Firebox
tion. 2,631,574, Mar. 17.

Miller, Howard L., Lansdale, Pa. Variable volta
system. 2,645,725, July 14.

Miller, Ira A., assignor to Otis Engineering Co
Dallas, Tex. Apparatus for treating wells.
Aug. 25.

Miller, Ira H., Toledo, Ohio, assignor to Owe
Glass Company. Gluing apparatus with multi
plicator. 2,645,383, July 14.

Miller, Jack M., Carrollton, Va. Peanut vine
pole. 2,644,460, July 7.

Miller, Jacob P.: *See*—
Gelles, William H., and Miller.

Miller, Jacob C., assignor to Badger Meter Manu
Company, Milwaukee, Wis. Meter with interch
dial and register. 2,627,747, Feb. 10.

Miller, James B.: *See*—
Ainsworth, Arthur R., and Miller.

Miller, James E., Webster Groves, Mo., assigno
Manufacturing Company, Pittsburgh, Pa. I
system. 2,633,229, Mar. 31.

Miller, James F., and M. C. Jaskowski, Pittsbu
assignors to the United States of America as re
by the Secretary of the Army. Emulsifying a
2,662,752, Dec. 15.

Miller, James I., Castle Point, N. Y. Golf pract
device. 2,626,152, Jan. 20.

Miller, Joe W., Port Orange, Fla. Fishing reel.
June 9.

Miller, John A.: *See*—
Hugo, Victor J., Miller, and Ottinger.

Miller, John B., Lewiston, assignor to National L
pany, New York, N. Y. Zirconium oxide poli
terial. 2,624,661, Jan. 6.

Miller, John E.: *See*—
Wolfe, Charles M., and Miller.

Miller, John E., Maywood, Ill., assignor to Certain-teed Products Corporation, Ardmore, Pa. Method of and means for producing simulated-brick siding boards. 2,644,768, July 7.

Miller, John G.: *See*—
Smith, Horace L., Jr., and Miller.

Miller, John H., La Grange, Mo. Flexible mold for forming statues with spaced legs. 2,660,776, Dec. 1.

Miller, John H., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Direct-reading low range ohmmeter. 2,648,820, Aug. 11.

Miller, John M., Poughkeepsie, N. Y. Telescope gun sight mount. 2,624,946, Jan. 13.

Miller, John M., Summerdale, Ala. Portable power unit. 2,662,412, Dec. 15.

Miller, John M., and B. Salzberg, Washington, D. C. Filter. 2,629,049, Feb. 17.

Miller, John M., Jr., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Amplifier with positive and negative feedback. 2,652,458, Sept. 15.

Miller, John W.: *See*—
Knight, Elton G., and Miller.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Electrical fuel feed control. 2,660,196, Nov. 24.

Miller, John W., and A. J. Barrie, Toledo, Ohio, assignors to Oldberg Manufacturing Company, Grand Haven, Mich. Apparatus for forming tubes. 2,644,416, July 7.

Miller, John W., and V. H. Hill, assignors to Motor Wheel Corporation, Lansing, Mich. Electric ignition and control for vaporizing oil burners. 2,656,883, Oct. 27.

Miller, Joseph B., Mobile, Ala. Pharmaceutical preparations. 2,649,918, Aug. 25.

Miller, Joseph F. G., Plandome, N. Y. Closure plug for a tubular casing. 2,661,120, Dec. 1.

Miller, Joseph J., assignor to P. A. Sussman and E. H. Jacobs, San Francisco, Calif. Planer attachment for rotary saws. 2,649,872, Aug. 25.

Miller, Joseph R., Mesquite, Tex. Guide for flush tank valves. 2,644,166, July 7.

Miller, Julius, New York, N. Y. Container. 2,659,515, Nov. 17.

Miller, Julius, Valley Stream, and A. Deutscher, Jamaica, N. Y. Door locking mechanism. 2,648,969, Aug. 18.

Miller, Karl B., assignor to Firecraft Corporation, Chicago, Ill. Knockdown reversible hollow metal doorframe. 2,652,907, Sept. 22.

Miller, Kenneth L., assignee: *See*—
Miller, Roscoe L.

Miller, Kenneth W., Chicago, Ill., assignor, by mesne assignments, to C. M. Rifenbergh, Plymouth, Mich. Magnetic pickup unit and making same. 2,637,205, May 5.

Miller-Lauffer Printing Equipment Corp., assignee: *See*—
Lauffer, Jacob R.

Miller Laundry Machinery Co., assignee: *See*—
Miller, Herman.

Miller, Leo A., J. H. Dunn, and C. M. Neher, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Photochemical production of benzene hexachloride. 2,656,313, Oct. 20.

Miller, Leon B., Stamford, Conn. Ratchet structure for ring compressors. 2,626,530, Jan. 27.

Miller, Leonidas C., Los Angeles, Calif. Extrusion device. 2,643,620, June 30.

Miller, Leslie L., Inglewood, and H. S. Ryden, Redondo Beach, assignors to Interstate Aircraft and Engineering Corp., El Segundo, Calif. Tank type suction cleaner. 2,639,002, May 19.

Miller, Lester C., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Lining bearings with molded bushings. 2,644,199, July 7.

Miller, Lewis L., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Control mechanism for combination washers and driers. 2,656,695, Oct. 27.

Miller, Lloyd F.: *See*—
Clark, George R., and Miller.

Miller, Lloyd G.: *See*—
Eich, Frank A., and Miller.

Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,663,035, Dec. 22.

Miller, Louis, Akron, Ohio. Coupling for tubular members. 2,657,944, Nov. 3.

Miller, Louis, Wathena, Kans. Chinchilla cage. 2,655,129, Oct. 13.

Miller, Louis P., North Plainfield, N. J. Wool combing machine. 2,661,502, Dec. 8.

Miller, Louis P., Plainfield, assignor to Specialties Development Corporation, Belleville, N. J. Treating yarn. 2,637,658, May 5.

Miller, Louis P., Plainfield, assignor to Specialties Development Corporation, Belleville, N. J. Treating yarn. 2,637,659, May 5.

Miller, Luther F., Newburgh, N. Y. Blasting control device. 2,636,075, Apr. 21.

Miller Manufacturing Co., assignee: *See*—
Hare, Terence G.

Miller, Margaret E., New York, N. Y. Disposable diaper. 2,627,858, Feb. 10.

Miller, Marie B. and H. J., Pasadena, Calif. Cooking appliance. 2,658,643, Nov. 10.

Miller, Mary D., assignee: *See*—
Davis, Daniel E.

Miller, Mason F., Hampton, Va. Mercury type pressure transfer device. 2,633,744, Apr. 7.

Miller Meters, Inc., assignee: *See*—
Broussard, Robert F., Miller, Sollenberger, and Christensen.

Miller, Mike A., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Making a mechanical joint between electrical conductors. 2,632,237, Mar. 24.

Miller Motor Company, assignee: *See*—
Flick, Francis S.

Miller, Naomi L., Rochelle, Ill., assignor of 33⅓% to N. Showalter, Madison, and 33⅓% to J. D. Sammarco, Milwaukee, Wis. One-piece bathing suit. 2,651,780, Sept. 15.

Miller, Nicholas, Berwyn, Ill., assignor to General Electric Company. High-temperature bimetal thermostat. 2,644,874, July 7.

Miller, Nikoli, Manteo, N. C. Shrimp peeling and veining machine. 2,637,064, May 5.

Miller, Olen L., Grantsville, Md. Surface miller. 2,638,136, May 12.

Miller, Oliver C., Cincinnati, Ohio. Suction leaf pickup and pulverizing device. 2,658,318, Nov. 10.

Miller, Oram E., Willow Grove, Pa. Jewel setting tool for assembly of watch parts. 2,663,207, Dec. 22.

Miller, Patricia C.: *See*—
Conaway, Ernest A.

Miller, Paul J., Butte, Mont. Portable sink for campers' use. 2,663,392, Dec. 22.

Miller, Peter S., St. Laurent, Quebec, assignor to H. B. Miller Limited, Montreal, Quebec, Canada. Combination display device and mailing piece. 2,654,970, Oct. 13.

Miller, Philip, assignor to Alexander Smith, Incorporated, Yonkers, N. Y. Pile fabric. 2,662,559, Dec. 15.

Miller Pottery Engineering Company, assignee: *See*—
Ryckman, George E.
Wahl, Albert J.

Miller Printing Machinery Co., assignee: *See*—
Ross, Frank A.
Neuhart, Andrew.
Saul, August A.

Miller, Ralph: *See*—
Hixson, Arthur W., and Miller.

Miller, Ralph, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Control means for internal-combustion engines. 2,649,847, Aug. 25.

Miller, Ralph A., Dayton, Ohio, assignor, by mesne assignments, to The Dayton Taximeter Co. Taximeter. 2,629,548, Feb. 24.

Miller, Ralph L., assignor to Wingfoot Corporation, Akron, Ohio. Joint construction in a segmented inflatable fabric member. 2,663,659, Dec. 22.

Miller, Ralph L., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Determination of pitch frequency of complex wave. 2,627,541, Feb. 3.

Miller, Raymond E., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Control apparatus for starting, stopping, running, and reversing an internal-combustion engine. 2,640,312, June 2.

Miller, Raymond J., Detroit, assignor to Dearborn Motors Corporation, Birmingham, Mich. Hydraulic flow control device. 2,632,476, Mar. 24.

Miller, Raymond J., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Method and apparatus for fluid mixing and spraying. 2,649,333, Aug. 18.

Miller, Raymond J., Detroit, Mich. Centrifugal mold and core. 2,663,059, Dec. 22.

Miller, Raymond S., Hollywood, and G. W. Sinclair, Los Angeles, assignors to M. O. Johnston, Glendale, Calif. Hydraulic control valve and system. 2,639,693, May 26.

Miller, René H., Boston, Mass. Helicopter rotor. 2,642,143, June 16.

Miller, Robert E., East Lansdowne, Pa., assignor to The American Sugar Refining Company, New York, N. Y. Recovery of calcium magnesium aconitate from molasses. 2,640,851, June 2.

Miller, Robert J., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Production of aryl tetracarboxylic acid anhydrides. 2,625,555, Jan. 13.

Miller, Robert L., Berkeley, Calif. Weight proportioning means and method. 2,638,305, May 12.

Miller, Rosalie E., executrix: *See*—
Leverte, Robert J.
Miller, Samuel C.

Miller, Roscoe L., Fowler, assignor to K. L. Miller, Selma, Calif. Earth scraper. 2,637,123, May 5.

Miller, Roy L., Westwood, Colo. Guitar steel. 2,650,513, Sept. 1.

Miller, Russel R., Silver Spring, Md. Collapsible ballot receptacle. 2,649,244, Aug. 18.

Miller, Samuel, New York, and A. C. Emelin, Mamaroneck, assignors to Schenley Industries, Inc., New York, N. Y. Insufflator. 2,653,608, Sept. 29.

Miller, Samuel C., assignee: *See*—
Leverte, Robert J.

Miller, Samuel C., New York, N. Y. High-voltage electrode housing for gaseous discharge tubular lamps. 2,630,469, Mar. 3.

Miller, Samuel C., deceased, New York, N. Y.; R. E. Miller, executrix of said S. C. Miller. Cold cathode illuminating assembly and insulator housing therefor. 2,651,024, Sept. 1.

Miller, Samuel C., deceased, New York, N. Y.; R. E. Miller, executrix. High-voltage electrode housing and terminal assembly for gaseous discharge tubes. 2,654,870, Oct. 6.

Miller, Samuel C., deceased, New York, N. Y.; R. E. Miller, executrix. Electrode housing for elongated tubular lamps and terminal contact therefor. 2,662,218, Dec. 8.

Miller, Sidney E., Suffield, Conn., assignor to American Bosch Corporation, Springfield, Mass. Ignition system and generator therefor. 2,643,274, June 23.

Miller, Stuart C., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Torpedo launching device. 2,625,899, Jan. 20.

Miller, Stuart P.: *See*—
Coleman, Gordon A., Greene, Merriam, Miller, and Shannon.

Miller, Theadore, and R. H. Webb, Pittsburgh, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave-guide attenuator and modulator. 2,629,079, Feb. 17.

Miller, Victor F.: *See*—
Anderson, Fred A., Blattner, and Miller.

Miller, Walter A., Bloomfield, N. J., assignor to Union Carbide and Carbon Corporation. Casting expanded plastics. 2,649,620, Aug. 25.

Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Record changer head and tone arm assembly. 2,645,497, July 14.

Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Pickup arm having a rotatable cartridge with two needles. 2,645,498, July 14.

Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Record changer head. 2,651,524, Sept. 8.

Miller, Warren S., Houston, Tex., assignor to Mathieson Chemical Corporation. Producing sodium nitrate. 2,643,180, June 23.

Miller, Wayland R., Milwaukee, Wis. Time switch mechanism. 2,633,508, Mar. 31.

Miller, Wayland R., Milwaukee, Wis. Control device. 2,633,914, Apr. 7.

Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Self-closing valve. 2,625,953, Jan. 20.

Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Magnetically controlled packless valve. 2,629,401, Feb. 24.

Miller, William A.: *See*—
Keiser, George W., Jr., Muise, and Miller.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electronic locking circuit. 2,631,231, Mar. 10.

Miller, William C., Pittsburgh, Pa. Linked endless flexible conveyer. 2,653,699, Sept. 29.

Miller, William E., Los Angeles, Calif. Collapsible sawhorse. 2,644,726, July 7.

Miller, William F., and H. E. Kroll, assignors to Toro Manufacturing Corporation, Minneapolis, Minn. Combined grass mower and leaf mulcher. 2,659,191, Nov. 17.

Miller, William H., assignor to Cloverleaf-Freeland Corporation, Hazelton, Pa. Bobbin or spool. 2,626,113, Jan. 20.

Miller, William J.: *See*—
Anderson, Carl J., Miller, and Jansky.

Miller, William J., Youngstown, Ohio. Hot oil heater and circulator. 2,636,490, Apr. 28.

Miller, William M., North Hollywood, Calif. Lawn edge trimmer and cultivator. 2,625,871, Jan. 20.

Miller, William T., Ithaca, N. Y., and J. T. Maynard, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Polymerizing trifluorochloroethylene. 2,626,254, Jan. 20.

Miller, William T., Ithaca, N. Y., assignor to The M. W. Kellogg Company. Manufacture of halocarbon oils. 2,636,907, Apr. 28.

Miller, William T., Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Copolymerizing $CF2CF_2$ with CF2CFCL. 2,662,072, Dec. 8.

Miller, William T., Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pyrolysis of trifluorochloroethylene polymers. 2,664,449, Dec. 29.

Miller, Willis C., Sacramento, Calif. Two-part release trigger for guns. 2,626,476, Jan. 27.

Miller, Willis H., Irving, Tex. Boat trailer. 2,660,443, Nov. 24.

Miller Wrapping & Sealing Machine Co., assignee: *See*—
Corley, Mark H., Arvidson, and Barber.

Millermaster, Ralph A.: *See*—
Koenig, Martin F., and Millermaster.

Millers Falls Company, assignee: *See*—
Burkhardt, Harold H.

Millett, Lewis F., Detroit, Mich., assignor to Farnsworth Research Corporation. Miniature tube holder. 2,653,181, Sept. 22.

Millhiser, Frederick R., Richmond, Va., assign
du Pont de Nemours & Company, Wilmi
Soaking of rayon bucket cakes before centrif
ing. 2,647,039, July 28.

Millholland, William K., Jr., Indianapolis, In
mill. 2,640,377, June 2.

Millhuff, Gale E., assignor to Goodman Man
Company, Chicago, Ill. Apparatus for genera
2,649,716, Aug. 25.

Millidge, Alfred F.: *See*—
Gasson, Edward J., Millidge, and Webster.

Millier, William R., assignor to Cresswell Ro
Company, Limited, Montreal, Quebec, Canad
tural member. 2,633,945, Apr. 7.

Milligan, Charles L., San Fernando, Calif.,
Swaim, Waterloo, Iowa. Trailer supporting
ing dolly and weight equalizer. 2,639,159,

Milligan, Lowell H., Worcester, and O. J. Whitt
Princeton, assignors to Norton Company,
Mass. Refractory tube. 2,640,503, June

Milligan, Martin A., Washington County, Pa.
struction. 2,634,153, Apr. 7.

Milligan, Wilbur E., assignor to Walworth
Boston, Mass. Adjustable outer jaw pipe wre
pivoted housing type. 2,629,280, Feb. 24.

Milliken, Albert E., Kingston, N. Y. Slide file.
Oct. 20.

Milliken, Clair W., Brighton, Ill. Implement f
litter in poultry houses. 2,663,555, Dec. 22.

Milliken, Thomas H., Jr., Chester, assignor
Process Corporation, Philadelphia, Pa. Prep
siliceous catalyst beads containing free
2,631,983, Mar. 17.

Millington, Agnes G.: *See*—
Knaus, Nicholaus, and Millington.

Millington, John W., Beaumont, Tex., assign
Oil Company, Philadelphia, Pa. Apparatus f
ing viscosity. 2,633,016, Mar. 31.

Millman, Clinton, Greenville, Mich. Device for
ing different temperatures in refrigerators.
July 7.

Millman, Clinton, Greenville, Mich. Refrigerate
2,663,916, Dec. 29.

Millman, Jacob: *See*—
Allen, Richard C., and Millman.

Millman, Saul, Bronx, N. Y. Ironing board a
2,636,295, Apr. 28.

Millman, Sidney, Brooklyn, N. Y., assignor to t
States of America as represented by the Se
War. Magnetron. 2,635,210, Apr. 14.

Mills, Clarence A., assignor to Reflectotherm,
cinnati, Ohio. System of radiant heat e
2,651,503, Sept. 8.

Mills, Donald H., and A. L. Knox, assignors to
navox Company, Fort Wayne, Ind. Phonogr
changer. 2,661,216, Dec. 1.

Mills, Edward L., and D. A. Donahue, assigne
chanan Steel Products Corporation, Buchar
Sickle guard. 2,654,987, Oct. 13.

Mills, George A.: *See*—
Oblad, Alex G., and Mills.

Mills, George A., Ridley Park, Pa., assignor t
Process Corporation, Wilmington, Del. Pro
hydrogen-rich gases. 2,647,042, July 28.

Mills, George L., Auburn, Maine, assignor to Ba
facturing Company. Terry weave fabric.
Oct. 20.

Mills, Glenn E., Albion, Mich. Wire fastener
2,642,640, June 23.

Mills, Henry L., Minneapolis, Minn. Combined
soap holder. 2,642,603, June 23.

Mills, Herbert E., assignor to The Murray Corp
America, Detroit, Mich. Cabinet range co
2,650,586, Sept. 1.

Mills, Howard V., assignor to The Denison E
Company, Columbus, Ohio. Safety control
for hydraulic apparatus. 2,661,722, Dec. 8.

Mills Industries, Incorporated, assignee: *See*
Bendfelt, Herbert A.
Hehn, Louis F.
Lynxwiler, Thomas L. D.

Mills, Ivor W., Glenolden, and H. L. Johnso
assignors to Sun Oil Company, Philadelphia,
lybdenum disulfide on a spent cracking
2,635,081, Apr. 14.

Mills, Jack, assignor to Eli Lilly and Compan
apolis, Ind. 1-p-chlorophenyl-2-phenyl-4-(
dino)-butenes. 2,655,509, Oct. 13.

Mills, James E., Edgewood, Md., assignor to t
States of America as represented by the Se
War. Vesicant composition for and method
ing water hazardous. 2,643,966, June 30.

Mills, John: *See*—
Blevins, Walter G., Sr., Coleman, and Mill
Clifford, Thomas W., and Mills.

Mills, John, Drexel Hill, assignor to Hires,
Harris, Inc., Philadelphia, Pa. Apparatus
mining pressure in containers. 2,648,977, Au

Milmore, Oswald H., Berkeley, assignor to Shell
ment Company, Emeryville, Calif. Pneuma
sensing unit. 2,660,886, Dec. 1.

Milne, John N., Epsom Downs, D. Faulkner, Epsom, and C. E. Hollis, Ewell, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Polymeric material derived from N-methylol paravinyl benzamide. 2,650,210, Aug. 25.

Milne, John N., Epsom Downs, D. Faulkner, Epsom, and C. E. Hollis, Ewell, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. N-methylol-p-vinyl benzamide. 2,650,250, Aug. 25.

Mills, Lindley E., Kalamazoo, Mich. Measuring device. 2,624,120, Jan. 6.

Mills, Lindley E., Kalamazoo, Mich. Refrigeration using conjugate solutions. 2,638,760, May 19.

Millson, Henry E.: *See*—
Mooradian, Shannon, and Millson.

Millson, Henry E., Plainfield, H. L. Parsons, Highland Park, and M. J. Babey, Raritan, N. J., assignors to American Cyanamid Company, New York, N. Y. Compression tester for determination of fastness to perspiration of dyed textiles. 2,630,710, Mar. 10.

Millson, Henry E., Plainfield, and S. Mooradian, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Dyeing nitrogenous fibers with metallized azo dyes. 2,638,404, May 12.

Milne, Arthur C., Collingswood, N. J., assignor to Central Machine Works, Inc., Philadelphia, Pa. Automatic container-filling machine. 2,643,806, June 30.

Milne, Lorus J., Durham, N. H., A. J. Rawson, Rocky Springs, Md., and H. K. Hartline, Media, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Adjustable headrest. 2,647,438, Aug. 4.

Milne, Winford G., Hamilton, Ontario, and R. E. Jones, Toronto, Ontario, assignors to N. Slater Company Limited, Hamilton, Ontario, Canada. Drop out fuse switch. 2,655,576, Oct. 13.

Milner, Arthur E. P., Melbourne, and R. G. Tugen, Hawthorn, Victoria, Australia. Seamless cover tennis ball and manufacture. 2,639,920, May 26.

Miloche, Herman A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire connecting tool. 2,655,953, Oct. 20.

Milone, Louis J., Livingston, N. J., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Triple sliding window. 2,626,658, Jan. 27.

Milone, Louis J., Livingston, N. J., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Storm sash construction for casement type windows. 2,635,305, Apr. 21.

Milone, Louis J., Livingston, N. J., assignor to The Eagle-Picher Company. Triple sliding storm window unit. 2,640,535, June 2.

Milprint, Inc., assignee: *See*—
Hultkrans, Paul B.

Milroy Enterprises Inc., assignee: *See*—
Blatz, Valdan C., and Pomeroy.

Milsco Manufacturing Company, assignee: *See*—
Wing, William A.

Milsom, Frederick R., Boreham Wood, assignor to S. Smith and Sons (England) Limited, London, and Furzehill Laboratories Limited, Boreham Wood, England. Voltage regulator. 2,651,020, Sept. 1.

Milsom, Frederick R., Boreham Wood, assignor to S. Smith & Sons (England) Limited, London, and Furzehill Laboratories Limited, Boreham Wood, England. Liquid level indicating device. 2,657,579, Nov. 3.

Milstein, Victor, New York, N. Y. Girdle pad. 2,633,572, Apr. 7.

Miltenburg, Arthur W., Milwaukee, Wis. Razor blade plane. 2,636,529, Apr. 28.

Milton, Clare L., Jr., Akron, Ohio, and C. A. Nielson, Takoma Park, Md., assignors to the United States of America as represented by the Secretary of the Army. Cosmetic glove. 2,657,394, Nov. 3.

Milton, Robert H., La Jolla, Calif. Door controller. 2,646,590, July 28.

Milus, William, Detroit, Mich. Cam type of bench vise. 2,636,409, Apr. 28.

Milwaukee Gas Specialty Company, assignee: *See*—
Arvin, Martin J.
D'Amore, Michael J.
Karrer, Sebastian.
Matthews, Russell B.
Meusy, Eugene E.
Thornbery, John H.
Witzel, Ernst.

Milwaukee Stamping Company, assignee: *See*—
Dobrogowski, Daniel T., Roen, and Jones.
Roginson, Ralph.

Milz, Harold E., assignor to The Mercury Manufacturing Company, Chicago, Ill. Lifting mast assembly. 2,642,157, June 16.

Mine Safety Appliances Company, assignee: *See*—
Lewis, John M., and Bub.
Yant, William P.

Miner, Carl S., Jr., Winnetka, and B. Wolnak, Chicago, Ill., assignors to Sewerage Commission of the City of Milwaukee, Milwaukee, Wis. Preparing vitamin B_{12}-active product from sewage sludge. 2,646,386, July 21.

Miner, Floyd E., Lombard, and E. C. Murbach, assignors to Stewart-Warner Corporation, Chicago, Ill. Odometer resetting mechanism. 2,652,199, Sept. 15.

Miner, Frederic I., Warwick, R. I., assignor to Welsh Manufacturing Company. Nose pad for ophthalmic mountings. 2,650,519, Sept. 1.

Miner, Frederic I., and F. W. Lindblom, Warwick, R. I., assignors to Welsh Manufacturing Company. Ophthalmic mounting. 2,643,580, June 30.

Miner, Harry, assignee: *See*—
Chapman, Robert S., and Seibenhaar.

Miner, John D., Jr., B. O. Austin, and R. D. Jessee, Lima, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical power system for aircraft. 2,627,038, Jan. 27.

Miner, W. H., Inc., assignee: *See*—
Anderson, Carl A.
Danielson, Vernon S.
Danielson, Vernon S., and Anderson.
Danielson, Vernon S., and Tillou.
Danielson, Vernon S., and Wallace.
Dath, George E.
Dath, George E., and Lehman.
Dentler, Arnold E.
Gadbois, Lewis F.
Haseltine, Stacy B.
Mulcahy, Harry W.
Olander, Roland J.
Tillou, Richard G.
Tillou, Richard G., and Pawlak.
Withall, William E.

Mineral Pigments Corporation, assignee: *See*—
Marsh, Daniel W.

Mineral Wool Insulations Company, assignee: *See*—
Hawthorne, Charles W., Jr.
Hawthorne, Charles W., Jr., and Sauers.

Mines Domaniales de Potasse d'Alsace, assignee: *See*—
Colin, Jules, Burr, and Gafanesch.

Mingasson, Georges: *See*—
Lantz, Robert, and Mingasson.

Mingione, Carl, Detroit, Mich. Reel timer. 2,660,797, Dec. 1.

Mining Engineering Company Limited, The, assignee: *See*—
Duncan, Angus W.

Mining Process and Patent Company, assignee: *See*—
Daman, Arthur C.

Minister of National Defence for Canada, The, assignee: *See*—
Cowie, Wilbur E., and Blouin.

Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, The, assignee: *See*—
Bailey, Arthur E.
Barr, Guy.
Evans, Cyril G., and Baker.
Evans, Cyril G., and Bishop.
Gordon, James E., and Evans.
Harding, George N., and Thal.
Johnson, Eric A.
Johnson, William A.
Johnson, William A., and Cary.
Parker, Charles L. Y., Emery, and Smith.
Williams, Frederic C.
Williams, Frederic C., and Moody.

Ministry of Supply, The, assignee: *See*—
Carmichael, Hugh.

Minit-Man, Inc., assignee: *See*—
Rousseau, Leo J.

Minkoff, Jouval, Geneva, Switzerland. Binding for loose leaves. 2,648,338, Aug. 11.

Minkov, Israel: *See*—
Raphaeli, Chaim, and Minkov.

Minkowitz, George, New York, N. Y. Automatic bar tacking control mechanism for buttonhole sewing machines. 2,641,211, June 9.

Minlon, Huang, Metuchen, assignor to Merck & Co., Inc., Rahway, N. J. Reducing steroid ketones to their corresponding methylene analogs. 2,648,686, Aug. 11.

Minlon, Huang, Metuchen, assignor to Merck & Co., Inc., Rahway, N. J. Water-soluble esters of cortisone and related compounds. 2,656,366, Oct. 20.

Minlon, Huang, Metuchen, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Hydrolysis of 21-acyloxypregnenes. 2,634,277, Apr. 7.

Minlon, Huang, Metuchen, N. J., and J. C. Babcock, Cambridge, Mass., assignors to Merck & Co., Inc., Rahway, N. J. Preparing 21-alkyl ethers of cortisone. 2,648,688, Aug. 11.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Abdo, Joseph T.
Alderson, Ross C.
Allwein, Aloysius F.
Anderson, John W.
Anderson, John W., and Chapman.
Aske, Leonard E., and Thayer.
Barnes, George W., Jr.
Bodey, Charles E.
Bowar, Earl C.
Brion, Benjamin W.
Brown, Harry L.
Burdick, Edwin C.
Carpenter, Benjamin.
Chapman, Robert R.
Chudyk, Alex B.
Chudyk, Alex B., and Kutzler.

Minneapolis-Honeywell Regulator Company, assignee: *See*—Continued.
Condon, Raymond J.
Crum, Stephen.
Cummings, Kimball C.
Denny, Peter P.
Divette, Randolph E., Gille, and Huntington.
Dreyfuss, Henry, Winterbottom, and Maier.
Drow, Donald F.
Du Bois, Robert C.
Dyer, Clarence A.
Eckman, Donald P.
Ehret, Robert J., and Moore.
Enzler, Paul R.
Ergen, William K.
Frystak, Theodore K.
Gess, Louis.
Gille, Willis H.
Hagen, Jerry.
Hanson, Henry L.
Harrison, Thomas R.
Hart, John V., and Lakjer.
Hermanson, Henning S., and Joesting.
Horn, Joseph D.
Huntington, William L.
Jenkins, George F.
Joesting, Frederick D.
Knutson, James B.
Kutzler, Robert J.
Kutzler, Robert J., and Taylor.
Kwasniewski, George A.
Lester, John B.
Ludwig, Merle R.
Markusen, David L.
Martin, Wilbert A.
McGoldrick, William J.
Millard, Harper.
Moore, Warren, Jr.
Mouzon, James C.
Nickells, Stanley W.
Peterson, John E.
Priesmeyer, Charles H.
Reese, Harry, Jr.
Rivenburg, Douglas W.
Roetter, Robert P.
Ruhland, Roman C.
Rusler, George W.
Rusler, George W., Jr., and Burggren.
Saari, Oliver E.
Schmitt, Henry M.
Schuck, Oscar H.
Schuck, Oscar H., and Alderson.
Shivers, Paul F.
Side, Frederick W.
Smith, James W.
Smith, Myron R. and H. J.
Squier, Ralph T.
Thorsheim, Joseph O.
Voss, Walter W.
Wannamaker, William H., Jr., and Mouzon.
Whitehead, Robert C., Jr., and West.
Wild, Rudolf F.
Willis, Walter P.
Wilson, John M.
Wilson, Theodore J.
Wissmiller, Vernon D.

Minneapolis-Moline Company, assignee: *See*—
Davies, Walter R.
Korsmo, Alfred, and Ronning.
Swenson, William E.
Williamson, Louis W., and Runsberg.
Wuertz, Paul P.

Minneci, Salvatore, and E. J. De Noyers, Pittsfield, Mass., assignors to General Electric Company. Separable plug and socket connector. 2,662,222, Dec. 8.

Minneci, Samuel J.: *See*—
McClelland, Arthur J., Zambito, and Minneci.

Minneman, Milton J.: *See*—
Collar, Harlan W., Russo, and Minneman.

Minnesota Automotive, Inc., assignee: *See*—
Chandler, Irvin B.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Ahlbrecht, Arthur H., Reid, and Husted.
Boese, Alvin W.
Brink, Richard E.
Calabrese, Carl J.
Cross, Bert S., and Frigstad.
Cross, Bert S., and Netherly.
Douglas, Donald J., Palmquist, and Grove.
Dowdall, John F.
Engberg, Donald W., and Norton.
Frigstad, Rudolph S.
Hendricks, James O., and Schmelzle.
Johnson, Arnold E.
Kauck, Edward A., and Simons.
Kellgren, Waldo, and Marschall.
La Zerte, James D., Pearlson, and Kauck.
Lueck, Laurence B.
Mead, George H.
Miller, Carl S., and Clark.
Nestor, Leonard R.
Noponen, George E.

Minnesota Mining & Manufacturing Company, assignee: *See*—Continued.
Nuessle, Walter G.
Pearlson, Wilbur H., and Hals.
Persoon, Andrew H., and Stebbins.
Peterson, Robert J.
Reed, Ralph W.
Reid, Thomas S.
Simons, Joseph H., Brice, and Pearlson.
Simons, Joseph H., and Dunlap.
Stephens, Joseph F.
Tenge, William P.

Minnesota and Ontario Paper Company, assignee: *See*—
McCormack, Foster D.
Zesbaugh, Lawrence G.

Minnesota Wood Specialties, Inc., assignee: *See*—
Bjorklund, Warren, and Kartarik.

Minninger, Evelyn S.: *See*—
Minninger, Frank M. and E. S.

Minninger, Frank M. and E. S., Rochester, Mich. Educational device. 2,628,435, Feb. 17.

Minnis, Bradford R.: *See*—
Huntzicker, Harry N., Dailey, and Minnis.

Minnis, Harold F.: *See*—
Curtis, John C., and Minnis.

Minn-Kota Manufacturing Company, assignee: *See*—
Jochim, Anton M.

Minno-Life Corporation, assignee: *See*—
Sunday, James J.

Minor, Burt S.: *See*—
Van Stone, Clifford E., Lopker, and Minor.

Minor, Burt S., Whittier, and F. J. Lopker, Los Angeles, assignors to Regan Forge & Engineering Co., San Pedro, Calif. Apparatus for measuring pipe in or out of holes. 2,655,633, Oct. 13.

Minor, Charles G., deceased, Evanston, Ill., assignor of one-half to A. G. McCaleb, Evanston, Ill.; H. H. Gmelner, executor of said C. G. Minor, R. F. McCaleb, executrix of said A. G. McCaleb, deceased. Refrigerator cabinet. 2,649,699, Aug. 25.

Minor, Francis W.: *See*—
Brown, Alfred E., Sookne, and Minor.

Minor, James K., River Rouge, Mich. Tractor power take-off. 2,633,926, Apr. 7.

Minot, Herbert P.: *See*—
Dorne, Arthur, Lazarus, and Minot.

Minshall, Robert J., Shaker Heights, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Gear type pump with pressure loaded bushing and wear insert element. 2,654,325, Oct. 6.

Minshall, Robert J., Shaker Heights, and E. A. Rockwell, Cleveland, Ohio, assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pressure differential motor and pump. 2,636,701, Apr. 28.

Minsk, Louis M.: *See*—
Lowe, Wesley G., Minsk, and Kenyon.

Minsk, Louis M., and J. J. Chechak, assignors to Eastman Kodak Company, Rochester, N. Y. Resin azo dye. 2,632,004, Mar. 17.

Minster, Ernest J., Jr., Sharpsburg, and W. S. Schott, Etna, assignors to Fort Pitt Brewing Company, Pittsburgh, Pa. Multiple carton structure. 2,632,593, Mar. 24.

Minster Machine Company, The, assignee: *See*—
Bitler, John W.

Mintel, Walter O.: *See*—
Graham, Erwin W., and Mintel.

Minter, Clarke C., Washington, D. C., assignor to Foxboro Company, Foxboro, Mass. Linear response vapor pressure thermometer. 2,651,942, Sept. 15.

Minton, Eugene S.: *See*—
Harper, Wesley A., and Minton.

Minton, Leslie A., Portland, Oreg. Guide for ball flush valves. 2,630,578, Mar. 10.

Mintz, Jacob J., Somerville, and F. L. Muller, Westfield, N. J., assignors, by mesne assignments, to Klear-Vu Corporation, New York, N. Y. Garment bag having an extensible top support. 2,645,541, July 14.

Mintz, Samuel A., Miami, Fla. Lawn edge-trimmer machine. 2,630,747, Mar. 10.

Mintz, Victor W., Maplewood, N. J., assignor to Precious Metals Research Works, Inc., New York, N. Y. Dental paralleling instrument. 2,644,235, July 7.

Miollis, Raymond, Maywood, Ill., assignor to The Borden Company. Cheese making method. 2,657,994, Nov. 3.

Miollis, Raymond, Maywood, Ill., assignor to The Borden Company, New York, N. Y. Cheese making apparatus. 2,654,151, Oct. 6.

Mira, Karl E., Rego Park, N. Y. Adjustable fillerless stretched pillows. 2,663,881, Dec. 29.

Mirabella, Frank D., Staten Island, N. Y. Adapter for miniature tubes. 2,659,061, Nov. 10.

Miracle-Vac, Inc., assignee: *See*—
Bowen, Daniel W.

Miracol-R Ltd., assignee: *See*—
Schwerin, Andre K.

Miranda Brothers Trading Corporation, assignee: *See*—
Amozurrutia, Jesus M.

Mirkin, Sholem I., Johannesburg, Transvaal, Union of South Africa. Hotel guest mail and message box. 2,658,667, Nov. 10.

Miron, Jacques, St. Laurent, Quebec, Canada. Food container and heating means therefor. 2,643,650, June 30.

Mirrlees Watson Company Limited, The, assignee: *See*— Watson, Frederick W. H.
Mirus, Ferdinand: *See*— Zobel, Theodor W., and Mirus.
Misani, Fernanda: *See*— Reiner, Laszlo, and Fiordalisi.
Miscall, Jack, Pennington, N. J., assignor to Great Lakes Carbon Corporation, New York, N. Y. Asphalt building board. 2,626,872, Jan. 27.
Miscall, Jack, Pennington, N. J., and C. E. Rahr, assignors to Great Lakes Carbon Corporation, New York, N. Y. Building board of fiber and asphalt coated perlite. 2,626,864, Jan. 27.
Miscall, Jack, Pennington, N. J., and C. E. Rahr, assignors to Great Lakes Carbon Corporation, New York, N. Y. Building board. 2,634,207, Apr. 7.
Miscall, Jack, Pennington, N. J., and C. E. Rahr, assignors to Great Lakes Carbon Corporation, New York, N. Y. Building board. 2,634,208, Apr. 7.
Misch, Herbert L., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Brake for transmissions. 2,627,946, Feb. 10.
Misch, Herbert L., Royal Oak, and C. J. Lucia, Birmingham, assignors to Packard Motor Car Company, Detroit, Mich. Transmission. 2,630,893, Mar. 10.
Misch, Otto R., South Bend, Ind. Domed lock nut with contractable core. 2,643,696, June 30.
Misch, Otto R., South Bend, Ind. Making lock nuts. 2,651,060, Sept. 8.
Miscione, Robert B., Brooklyn, N. Y. Liquid dispenser. 2,643,033, June 23.
Misener, Richard E., J. W. Abbott, S. E. Clarke, and H. P. Woodruff, Vancouver, British Columbia, Canada. Cooking utensil splatter lid. 2,664,169, Dec. 29.
Miseo, Anthony, New York, N. Y. Obstetrical forceps. 2,639,712, May 26.
Misfeldt, Charles C., Phoenix, Ariz. Molded structure. 2,639,876, May 26.
Mishcon, Samuel, Belle Harbor, and H. Agulnek, assignors to Supreme Knitting Machine Co., Inc., Brooklyn, N. Y. Dial construction for circular rib-type knitting machines. 2,661,613, Dec. 8.
Mishey, Blake L., Lyndhurst, Ohio. Card sorting machine. 2,635,769, Apr. 21.
Mishkin, Charles, Brooklyn, N. Y. Machine for marking a pattern on cloth. 2,628,555, Feb. 17.
Mishkin, Sidney, and A. Kuber, New York, N. Y. Window buckle. 2,634,476, Apr. 14.
Mishkinis, Frank, Westwood, Calif. Golf club grip. 2,627,410, Feb. 3.
Miskimen, Madge B., Indianapolis, Ind. Bed attachment. 2,637,859, May 12.
Miskovsky, Anton: *See*— Zimic, Michael, and Miskovsky.
Mission Manufacturing Company, assignee: *See*— Liljestrand, Walter E.
Mississippi Valley Research Laboratories, Inc., assignee: *See*— Doelling, George L., and Adams.
Missouri Automatic Control Corporation, assignee: *See*— Cobb, Clifton A.
Mueller, Siegfried.
Wasser, Joseph A.
Watson, Robert A.
Wright, James A.
Mistler, Eldon C., assignee: *See*— Parry, Robert D.
Misz, Dorothy, assignee: *See*— Misz, Oliver B.
Misz, Oliver B., Phoenix, Ariz., assignor, by decree of distribution to D. Misz. Scope indicator. 2,635,344, Apr. 21.
Mitacek, Bill: *See*— Trimble, Harold M., McReynolds, and Mitacek.
Mitan, Edward F., Bellaire, Ohio. Spring lubricating apparatus. 2,628,518, Feb. 17.
Mitcham, Lawrence C., Savannah, Ga. Garden hose nozzle device. 2,628,868, Feb. 17.
Mitchell, Alice M., assignee: *See*— Mitchell, Paul M.
Mitchell, Amos M., Pueblo, Colo. Cigarette holder. 2,638,904, May 19.
Mitchell, Bernard A., Chicago, Ill. Cleaning and scrubbing device. 2,633,590, Apr. 7.
Mitchell Camera Corporation, assignee: *See*— Mitchell, George A.
Mitchell, Charles M.: *See*— Legg, George C. J., and Mitchell.
Mitchell, Clyde O.: *See*— Bogdanffy, George W., Mitchell, and Uhlig.
Mitchell, Colin C. assignor to Brown Brothers & Co Limited, Edinburgh, Scotland. Sealing means for slotted cylinders. 2,650,571, Sept. 1.
Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Operating manual for tuning apparatus. 2,634,528, Apr. 14.
Mitchell, Dugald, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Stripping of explosive cartridges. 2,663,441, Dec. 22.
Mitchell, Edmund G., Alton, Ill., and D. B. Timberman, New Haven, Conn., assignors to Olin Industries, Inc., East Alton, Ill. Manufacture of laminated structures. 2,662,270, Dec. 15.
Mitchell, Edward, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Compounded hydrocarbon oils and addition agents therefor. 2,654,708, Oct. 6.
Mitchell, Edward, Pittsburgh, Pa., and A. P. Cramp, Petaluma, Calif., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Stable fuel oil compositions. 2,654,660, Oct. 6.
Mitchell, Edward, Pittsburgh, and W. B. Morse, New Kensington, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Compounded hydrocarbon oils and addition agents therefor. 2,654,709, Oct. 6.
Mitchell, Frank K.: *See*— Sheehan, William M., and Mitchell.
Mitchell, Frederick G., London, England. Endless conveyor. 2,637,455, May 5.
Mitchell, Garland W., Butner, N. C. Cigarette lighter filling plug. 2,656,067, Oct. 20.
Mitchell, George A., Pasadena, assignor to Mitchell Camera Corporation, Glendale, Calif. Cam-actuated intermittent movement. 2,660,918, Dec. 1.
Mitchell, Harold R., assignee: *See*— Plough, Harold E.
Mitchell, Howard B., Larkspur, Calif. Multicolored electric flashlight. 2,662,224, Dec. 8.
Mitchell, Jack C.: *See*— Grizzard, Earle D., Collar, and Mitchell.
Mitchell, James I., River Edge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Indicating and recording navigational instrument. 2,633,401, Mar. 31.
Mitchell, John A., Mount Pleasant, Pa. Gauge for aligning a string of pipe with a grade line. 2,624,950, Jan. 13.
Mitchell, John D.: *See*— Harrington, Julian P., and Mitchell.
Mitchell, John E., Company, assignee: *See*— Mitchell, Orville.
Mitchell, John L., assignor to Mitchell Mobilhangar Corporation, New York, N. Y. Mobile airplane hangar structure. 2,652,906, Sept. 22.
Mitchell, Joseph E.: *See*— Gebhart, Arthur I., and Mitchell.
Mitchell, Joseph M.: *See*— Williams, Harry L., and Mitchell.
Mitchell, Keith B.: *See*— Moore, Lon R., and Mitchell.
Mitchell, Lawrence J., Miami, Fla. Protective panel for jalousie windows. 2,627,951, Feb. 10.
Mitchell, Lloyd I., New Brunswick, and A. W. Meyer, Matawan, N. J., assignors to National Lead Company, New York, N. Y. Dust collecting system. 2,636,573, Apr. 28.
Mitchell, Louis O., Arlington, assignor to Trans-Sonics, Inc., Bedford, Mass. Measuring device. 2,626,337, Jan. 20.
Mitchell, Louis O., Arlington, assignor to Trans-Sonics, Inc., Bedford, Mass. Measuring device. 2,626,338, Jan. 20.
Mitchell Manufacturing Company, assignee: *See*— Goebel, Herman L.
Mitchell, Merritt M., Rochester, N. Y. Safety speed alarm. 2,646,017, July 21.
Mitchell Mobilhangar Corporation, assignee: *See*— Mitchell, John L.
Mitchell, Oran, Los Angeles, Calif. Rotary price and name tag cabinet. 2,632,267, Mar. 24.
Mitchell, Orville, assignor to John E. Mitchell Company, Dallas, Tex. Pulley and making same. 2,656,730, Oct. 27.
Mitchell, Paul M., assignor of one-half to A. M. Mitchell, Chicago, Ill. Automobile bumper guard. 2,642,303, June 16.
Mitchell, Percival H., Toronto, Ontario, Canada. Reflecting surface for incandescent lamps. 2,636,143, Apr. 21.
Mitchell, Peter: *See*— Stokes, Philip H., Avenell, and Mitchell.
Mitchell, Robert C.: *See*— Christian, Raymond A., Williams, Ganger, Colley, Stracham, Paden, Crawford, Johnson, Geiger, and Mitchell.
Mitchell, Robert D., R. F. Pahl, and H. M. Hunter, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive wheel and bushing therefor and making same. 2,648,177, Aug. 11.
Mitchell, Robert L., and O. V. Luke, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Oxidation control. 2,653,902, Sept. 29.
Mitchell, Samuel, and A. Guidry, Vallejo, Calif. Portable shelter for automobiles. 2,627,865, Feb. 10.
Mitchell, Wallace F., Chicago, assignor to Ammco Tools, Inc., North Chicago, Ill. Ridge reamer. 2,637,224, May 5.
Mitchell, Wallace F., assignor to MBG Corporation, Chicago, Ill. Fluid coupling. 2,638,915, May 19.
Mitchell, Wallace F., assignor to M B G Corporation, Chicago, Ill. Fluid valve. 2,639,884, May 26.
Mitchell, Wallace F., assignor to M B G Corporation, Chicago, Ill. Fluid seal. 2,661,967, Dec. 8.
Mitchell, Walter G., assignor to Thor Power Tool Company, Aurora, Ill. Portable power-operated abrading machine. 2,654,190, Oct. 6.
Mitchell, Wayne T., Prospect Heights, assignor to Essex Wire Corporation, Chicago, Ill. Stripping insulated wire. 2,636,408, Apr. 28.

Mitchell, Wilfred M., Stockton, Calif. Inflatable head-covering hood. 2,632,176, Mar. 24.
Mitchell, William E., Altoona, Pa. Mold form. 2,650,410, Sept. 1.
Mitchell, William E., Altoona, Pa. Mold for head wall construction. 2,650,411, Sept. 1.
Mitchell, William E., Peoria, Ill. Multiple sheet feeder. 2,645,479, July 14.
Mitchell, William H.: *See*— Moyer, Gerald F., and Mitchell.
Mitcheltree, Walter F., Lincolnshire, Crete, assignor to Cardox Corporation, Chicago, Ill. Apparatus for making electrically ignited match heads. 2,630,734, Mar. 10.
Mitchhart, Albert W., Tiffin, Ohio. Drill bit forging machine. 2,645,138, July 14.
Mitchko, Michael, Irvington, N. J. Bag sealing device. 2,645,514, July 14.
Mithun, Noral B.: *See*— Stephenson, William E., and Mithun.
Mitkewich, Wladimir W., Hopewell, Va. Diamond-like composition of matter. 2,631,106, Mar. 10.
Mitnick, Albert M.: *See*— Fogal, Gordon L., and Mitnick.
Mitnick, Jacob J., Chicago, Ill. Fruit juice extractor. 2,655,862, Oct. 20.
Mittelmann Electronics Corporation, assignee: *See*— Mittelmann, Eugene.
Mittelmann, Eugene, assignor to Mittelmann Electronics Corporation, Chicago, Ill. Impedance matching generator. 2,661,425, Dec. 1.
Mittelstadt, Roy L.: *See*— Albertson, Walter H., and Mittelstadt.
Mitten, Frank P.: *See*— Smithson, Harry A., and Mitten.
Mitten, Frank P., Redlands, Calif. Chest of drawers. 2,625,455, Jan. 13.
Mittleman, Myron B.: *See*— Goodstein, Charles B., and Mittleman.
Mittomme, Peter: *See*— Bunch, Peter, Mittomme, and Jennings.
Mitts, Hermon L., Washington, D. C. Support for storm windows. 2,644,659, July 7.
Mitzelfeld, Thomas H.: *See*— Zmuda, Andrew W., and Mitzelfeld.
Mitzenmacher, Lewis E., assignor to D. Erenberg, Los Angeles, Calif. Couch construction. 2,627,076, Feb. 3.
Mixer, Harold P., Rockville Centre, assignor to Remington Rand Inc., New York, N. Y. Sprocket type paper feed device. 2,633,354, Mar. 31.
Mixer, Robert Y.: *See*— Barusch, Maurice R., and Mixer.
Mixing Equipment Co., Inc., assignee: *See*— Boutros, Richard D., Donahoe, and Dykman.
Mize, Pete, and C R Buddy Brock, O'Donnell, Tex. Slidable jaw ratchet-type wrench. 2,635,498, Apr. 21.
Mizen, Walter, Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Valve actuating mechanism. 2,638,926, May 19.
Mizutani, Kinichi, Yokohama, Japan. Thermal responsive automatic switch. 2,647,971, Aug. 4.
Mizzoni, Renat H.: *See*— Huebner, Charles F., Mizzoni, Mull, and Scholz.
Mizzy, Inc., assignee: *See*— Reasenberg, Jullian R. Rubin, Louis B.
Mjellem, Frantz O., assignor to American Pipe & Steel Corporation, Alhambra, Calif. Tank with floating roof. 2,651,433, Sept. 8.
Mo Och Domsjo Aktiebolag, assignee: *See*— Stelling, Per O., and Flemmert.
Moak, Ottis W., and W. E. Spicer, Baton Rouge, La., assignors to Standard Oil Development Company. Water gas shift catalyst preparation and water gas shift process. 2,631,086, Mar. 10.
Moberg, Ivar O., Spray, N. C., assignor to Marshall Field and Company, Chicago, Ill. Pattern controlled variable beat-up and pile warp feed mechanisms. 2,645,250, July 14.
Moberg, Sigurd M., Pompton Plains, assignor to E. J. Brooks Company, Newark, N. J. Bag seal. 2,639,181, May 19.
Mobley, Shelton L., Waycross, Ga. Signaling device for motor vehicles. 2,655,123, Oct. 13.
Mock, Flora C.: *See*— Trope, Davida R., Mock, and Levinson.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge-forming device. 2,626,789, Jan. 27.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Air density compensating fuel feeding system for gas turbines. 2,627,305, Feb. 3.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Gas turbine fuel feed and power control device responsive to speed and air density. 2,644,513, July 7.
Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Density responsive device. 2,662,757, Dec. 15.
Mock, John E., Altoona, Pa. Adjustable grip developer. 2,634,976, Apr. 14.
Mockil, Rene, Upper Darby, Pa. Combined automobile tray and passenger safety guard. 2,654,616, Oct. 6.
Mockrin, Isadore: *See*— La Lande, William A., Jr., and Mockrin.
Model Crafter's, Inc., assignee: *See*— Allen, William M.
Modern Equipment Company, assignee: *See*— Goldberg, Max W. Richardson, John N.
Modern Limb Supply Co., Inc., The, assignee: *See*— Bennington, Charles H.
Modern Plastic Machinery Corp., assignee: *See*— Tornberg, Henning T.
Modern Record Albums, Inc., assignee: *See*— Froehlig, Rudolph A.
Modern Telephone Corporation, assignee: *See*— Wall, Harry G.
Modglin Company, Inc., assignee: *See*— Montero, Bruno, and Palmer.
Modine, Arthur B., Racine, Wis. Smoking pipe. 2,642,069, June 16.
Modine Manufacturing Company, assignee: *See*— Simpelaar, Clyde S. Spieth, Benjamin. Truran, George H.
Modrey, Henry J., Philadelphia, Pa. Self-locking electrical connector. 2,632,789, Mar. 24.
Modrovsky, Joseph: *See*— Ambrose, John J., and Modrovsky.
Moe, Halfdan N., assignor to I/S Interply, Oslo, Norway. Means for producing tubular bodies from wood by coiling up veneer sheets. 2,655,187, Oct. 13.
Moe, Herman A., Warwick, R. I., assignor to Better Products, Inc. Buttonhole and making buttonholes. 2,633,618, Apr. 7.
Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Gum ethers and process therefor. 2,650,917, Sept. 1.
Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Beta-phenyl-gamma-nitroaldehydes. 2,628,980, Feb. 17.
Moe, Valerie T., Anaconda, Mont. Shortening measuring cup. 2,625,824, Jan. 20.
Moebius, Frederick C., Wheaton, assignor to Teletype Corporation, Chicago, Ill. Motor control device. 2,640,873, June 2.
Moehring, Wilbur E.: *See*— Spice, Stuart M., Williams, and Moehring.
Moehring, William D., Charlotte, and L. V. Wells, Kalamazoo, assignors to Wilcox-Gay Corporation, Charlotte, Mich. Preamplifier. 2,664,469, Dec. 29.
Moeller, Bernhard V.: *See*— Anderson, Arthur W., and Moeller.
Moeller, Carl A.: *See*— Claff, Chester E., and Moeller. Claff, Clarence L., and Moeller.
Moeller, Edward G., Davenport, Iowa. Metal slat awning. 2,629,144, Feb. 24.
Moeller, Jacob F., Cincinnati, Ohio. Toy drinking animal with capillary tube. 2,648,162, Aug. 11.
Moeller, Lowell J., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for measuring the surface resistivity of materials. 2,643,287, June 23.
Moeller, William C., assignor to Parmelee Plastics Company, Kansas City, Mo. Goggle assembly. 2,625,685, Jan. 20.
Moeller, William C., assignor to Parmelee Plastic Company, Kansas City, Mo. Vented face shield for welders. 2,655,656, Oct. 20.
Moeller, William P.: *See*— Piperoux, Rene P., Hertz, and Moeller.
Moeri, John C., New Orleans, La., assignor to Farm Fresh Milk Corporation, Miami, Fla. Canning whole fresh milk. 2,642,363, June 16.
Moerk, Frank N.: *See*— Harper, Charles S., and Moerk.
Moerman, Nathan A., Jackson Heights, assignor to Potter Instrument Co., Inc., Great Neck, N. Y. Electronic pulse generator. 2,637,810, May 5.
Moerman, Nathan A., Jackson Heights, assignor to Potter Instrument Co., Inc., Great Neck, N. Y. Electronic pulse generator. 2,639,378, May 19.
Moessinger, Albert, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Weaving machinery and control. 2,639,732, May 26.
Mofenson, Jack, Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge circuits. 2,642,532, June 16.
Moffats Limited, assignee: *See*— Smith, Elmore S.
Moffet, Howard J., and J. C. McFarland, Oakland, Calif. Sealed cooking container for comestibles. 2,633,284, Mar. 31.
Moffett, Archibald R., Orinda, Calif. Tire inflator valve device with pressure gauge. 2,635,623, Apr. 21.
Moffett, Archibald R., Orinda, Calif. Fluid pressure gauge. 2,661,626, Dec. 8.
Moffett, Frank W., Jr., Chili, N. Y. Apparatus for converting frozen beverages from a hard state into a liquid state. 2,662,489, Dec. 15.
Moffett, Fred P., assignee: *See*— Cathcart, Jack F.
Moffitt, Alva V., Arkansas City, Kans. Attachment for converting sleds to wheeled vehicles. 2,647,759, Aug. 4.

Mogler, John H., Denville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar switch. 2,657,275, Oct. 27.

Mogliotti, Domenic: *See*—
Armstrong, Robert S., and D. and F. S. Mogliotti.

Mogliotti, Frank S.: *See*—
Armstrong, Robert S., and D. and F. S. Mogliotti.

Mohaupt, Henry H., Washington, D. C. Underwater firing mechanism. 2,660,952, Dec. 1.

Mohawk Carpet Mills, Inc., assignee: *See*—
Crawford, John.

Moheiser, Joseph D.: *See*—
Voss, Henry H., and Moheiser.

Mohling, Gunther, Loudonville, and W. W. Dyrkacz, Newtonville, N. Y., assignors to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Ferrous base chromium-nickel-titanium alloy. 2,641,540, June 9.

Mohn, Donald R., Troutdale, and M. E. Mohn, Portland, Oreg. Tractor attached grub hoe. 2,656,777, Oct. 27.

Mohn, Heinrich, Hailer, Kreis Gelnhausen, assignor to Heraeus Quarzschmelze G. m. b. H., Hanau (Main), Germany. Optical radiator. 2,658,984, Nov. 10.

Mohn, Henry L., assignor to York-Shipley, Inc., York, Pa. Water heater assembly. 2,627,252, Feb. 3.

Mohn, Henry L., assignor to York-Shipley, Inc., York, Pa. Combustion chamber. 2,628,670, Feb. 17.

Mohn, Milburne E.: *See*—
Mohn, Donald R. and M. E.

Mohns, David F., assignor to The Parker Pen Company, Janesville, Wis. Writing pen. 2,645,206, July 14.

Mohr, John E., Springfield, Ill., and M. A. Stickelber, Kansas City, Mo., assignors to Stickelber & Sons, Inc. Deflecting, guiding, and sizing means for loaf molding mechanisms. 2,655,875, Oct. 20.

Mohr, Milton E., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave transforming system. 2,663,795, Dec. 22.

Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system employing pulse code modulation. 2,632,147, Mar. 17.

Mohring, Herman H., Omaha, Nebr. Combined fuse and indicator. 2,652,466, Sept. 15.

Mohundro, George D., East Alton, Ill. Memorandum attachment for telephones. 2,661,961, Dec. 8.

Mohylowski, Michal, Kansas City, Mo. Electric circuit testing device. 2,653,297, Sept. 22.

Moir, Alfred J., Toronto, Ontario, Canada. Easel. 2,627,695, Feb. 10.

Mojonnier Bros. Co., assignee: *See*—
Mojonnier, Harry G.

Mojonnier Bros. Co. Inc., assignee: *See*—
Cross, Joseph A.

Mojonnier, Harry G., Oak Park, assignor Mojonnier Bros. Co., Chicago, Ill. Liquid cooling apparatus. 2,639,591, May 26.

Mokin, Max, Brooklyn, N. Y. Adjustable partition member for drawers and the like. 2,640,621, June 2.

Mokros, Elmer R.: *See*—
Rowe, Carl H., and Mokros.

Moldowan, Dionis E., Detroit, Mich. Sod cutter. 2,650,532, Sept. 1.

Moldt, Verne G., Trenton, N. J., assignor to St. Regis Paper Company, New York, N. Y. Box construction. 2,655,283, Oct. 13.

Molenaar, Lester V., Lake Lillian, Minn. Grain drier. 2,654,590, Oct. 6.

Moler, Charles C., assignor to Overhead Door Corporation, Hartford City, Ind. Adjustable roller supporting bracket for vertically movable doors. 2,624,065, Jan. 6.

Moler, Charles C., assignor to Overhead Door Corporation, Hartford City, Ind. Safety catch for vertically sliding doors. 2,651,817, Sept. 15.

Moler, Charles C., assignor to Overhead Door Corporation, Hartford City, Ind. Counterbalance for vertically sliding doors. 2,660,753, Dec. 1.

Moler, Charles C., assignor to Overhead Door Corporation, Hartford City, Ind. Reversible motor and control mechanism therefor. 2,661,450, Dec. 1.

Moler, Garland W., Falls Church, Va., and H. Nassau, Philadelphia, Pa., assignors, by mesne assignments, to O. E. Szekely & Associates, Inc., Philadelphia, Pa. Illuminable structure. 2,663,107, Dec. 22.

Moler, Maurice T., Homewood, assignor to United Specialties Company, Chicago, Ill. Combination air cleaner and chaff screen. 2,652,901, Sept. 22.

Molinar, Alfonso, Mexico City, Mexico. Golf indicator apparatus. 2,652,251, Sept. 15.

Molinar, Ruth F., Mexico City, Mexico. Interlocking card tray and card holder. 2,624,582, Jan. 6.

Molinaro, Peter B., assignee: *See*—
Infante, Samuel J.

Molinaro, Peter B., Verona, N. J. Tonneau cover for motor vehicles. 2,638,378, May 12.

Molins, Desmond W., Deptford, London, assignor to Molins Machine Company Limited, London, England. Mouthpiece cigarette. 2,639,715, May 26.

Molins, Desmond W., assignor to Molins Machine Company Limited, Deptford, London, England. Method of and apparatus for making mouthpiece cigarettes. 2,646,048, July 21.

Molins, Desmond W., and C. Best, London, England, and E. A. Chandler, Montreal, Quebec, Canada, assignors to Molins Machine Company Limited, London, England. Photoelectric weighing mechanism. Re. 23,738, Nov. 17.

Molins, Desmond W., F. F. Ruau, V. P. Harvey, and S. A. Nichols, Deptford, London, assignors to Molins Machine Company, London, England. Magnetic separator with stationary magnet. 2,646,883, July 28.

Molins Machine Company Limited, assignee: *See*—
Best, Cyril.
Hall, Charles T.
Harvey, Valentine P.
Jackson, Donald R. P.
Molins, Desmond W.
Molins, Desmond W., Best, and Chandler.
Molins, Desmond W., Ruau, Harvey, and Nichols.
Williams, Alfred V.

Molitor, Robert P., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Manufacturing articles from vinyl resins. 2,629,134, Feb. 24.

Moll, Harold W.: *See*—
Le Fevre, Walter J., and Moll.

Moll, Harold W., assignor to The Dow Chemical Company, Midland, Mich. Coagulation and washing of normally crystalline vinylidene chloride polymer emulsions. 2,654,730, Oct. 6.

Moll, Simon, Pittsburgh, Pa. Dental floss holder. 2,648,341, Aug. 11.

Molla, Charles P., New Hyde Park, assignor to Molla Incorporated, New York, N. Y. Barbecue device. 2,638,888, May 19.

Molla, Charles P., New Hyde Park, assignor to Molla Incorporated, Westbury, N. Y. Bracket coupling for knockdown table-type furniture. 2,643,927, June 30.

Molla, Charles P., New Hyde Park, N. Y. Combination table leg and table top retainer. 2,660,501, Nov. 24.

Molla Incorporated, assignee: *See*—
Molla, Charles P.

Molla, Pietro, Mesero, assignor to S. A. F. F. A. Società Anonima Fabbriche Fiammiferi ed Affini, Milano, Italy. Printing and molding press for soap cakes. 2,629,158, Feb. 24.

Mollenauer, William E., Short Hills, N. J. Thermal control means for house heating systems. 2,635,814, Apr. 21.

Moller, Clifford B., Boston, Mass. Water purification unit. 2,648,291, Aug. 11.

Moller, Marie, assignee: *See*—
Marks, Robert V.

Möller, Ragnar O. J.: *See*—
Lange, Per G., and Möller.

Möller, Reinhold, Herford, Germany. Mixing and kneading machine. 2,640,688, June 2.

Mollner, William J., Pittsburgh, Pa. Combination lighting fixture and curtain holder. 2,662,163, Dec. 8.

Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Space reservation system. 2,647,249, July 28.

Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Arrival and departure transportation indicator system. 2,661,465, Dec. 1.

Molnar, Nicholas M., New York, N. Y., and E. Segessemann, Woodridge, N. J. Aquatic herbicide. 2,636,815, Apr. 28.

Molnau, Erwin P., Chaska, Minn. Cleaner for sugar beets and the like. 2,624,458, Jan. 6.

Moloney, Raymond T., assignee: *See*—
Benak, George R.
Burnside, Walter M.
Henry, Earle G.
Hooker, Donald E.
Hooker, Donald E., and Moloney.
May, Sam.
Nicolaus, Frank G.
Russell, Obed M.

Moloney, Raymond T., and H. L. Selden, Chicago, Ill.; said Selden assignor to said Moloney. Angularly adjustable ball bumper. 2,642,290, June 16.

Molstedt, Byron V.: *See*—
Nicolai, Lloyd A., and Molstedt.

Molteni, Henry A., Dover, N. H. Masarky, Teaneck, N. J., and G. Barsky, assignors to E. F. Drew & Co., Inc., New York, N. Y. Detergent and making the same. 2,635,103, Apr. 14.

Molybdenum Corporation of America, assignee: *See*—
Tisdale, Norman F., and N. F. Tisdale, Jr.

Molyneux, Cecil P., Southampton, assignor to Filtors, Incorporated, Long Island City, N. Y. Lubricating system for internal-combustion engines and filter structure for use therein. 2,624,422, Jan. 6.

Monaco, Gabriel R.: *See*—
Smith, William R., and Monaco.

Monaghan, Frank P., New York, N. Y. Doll or manikin joint. 2,649,806, Aug. 25.

Monaghan, Ralph: *See*—
Youmans, Arthur H., and Monaghan.

Monahan, John A., Pittsford, assignor of fifty percent to M. J. Delliveneri, Rutland, Vt. Ice fishing jack. 2,653,405, Sept. 29.

Monahan, John C., Detroit, Mich. Seal guard. 2,634,145, Apr. 7.

Monahan, Joseph R., Myrtle Creek, Oreg. Card ball. 2,645,486, July 14.

Monahan, Thomas P., assignor to Utah Oil Refining Company, Salt Lake City, Utah. Helical spring valve. 2,638,925, May 19.

Monarch Bracket Company, assignee: *See*—
Budreck, Frances.
Carlson, Louis W.

Monarch Equipment Co., assignee: *See*—
Snarl, Frank E., and Roth.

Monarch Forge & Machine Works, assignee: *See*—
Andrus, Budd W.

Monarch Machine Tool Company, The, assignee: *See*—
De Haas, Max.
Greene, Claude E., and Lesher.
Wilhelm, Walter F., and De Haas.

Monarch Manufacturing Works, Inc., The, assignee: *See*—
Carroll, James M., and Murphy.

Monarch Marking Machine Company, The, assignee: *See*—
Geller, Frederick C.

Monarch Marking System Company, The, assignee: *See*—
Johnson, Floyd K.

Monarch Tool & Machinery Co., assignee: *See*—
Budreck, Frances.

Monchamp, George E.: *See*—
Packer, Lewis C., Cross, and Monchamp.

Monckmeier, Gustav C., Davenport, Iowa. Pawl actuated cable lift. 2,632,629, Mar. 24.

Moncrieff, Alexander D. F., assignor to Michigan Tool Company, Detroit, Mich. Device for gravity feed of gears to gear shaving tools. 2,649,032, Aug. 18.

Mondino Fravega, Luis A. J.: *See*—
Viera Rios, Lionel I.

Mone, Frank S.: *See*—
Hutten, Maxwell W., and Mone.

Monette, Mark L., assignor to Bendix Aviation Corporation, South Bend, Ind. Wheel rim construction. 2,651,348, Sept. 8.

Money, Benjamin F.: *See*—
MacLean, John A., Jr., and Money.

Money, Roland H., Mount Healthy, assignor to Artkraft Manufacturing Corporation, Lima, Ohio. Evaporator. 2,658,359, Nov. 10.

Monforts, A., assignee: *See*—
Kohl, Peter.

Mong, Edgar W., Los Angeles, Calif. Well pumping apparatus. 2,632,401, Mar. 24.

Mongar, George, Missoula, Mont. Adjustable ironing board. 2,646,634, July 28.

Monger, James F., Chicago, Ill. Railway car diaphragm face plate mounting. 2,638,055, May 12.

Mongin, Georges P.: *See*—
Lambert, Henri J. M., and Mongin.

Monitor Process Corporation, assignee: *See*—
Coates, Henry T.
Hopwood, John A.

Monk, John C., San Francisco, and P. F. Sharp, Piedmont, assignors to Golden State Company, Ltd., San Francisco, Calif. Centrifugally mixing substances and apparatus therefor. 2,631,101, Mar. 10.

Monnet, Georges H. J., Moirans, assignor to Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Surfacing solid bodies. 2,630,659, Mar. 10.

Monney, Charles R., Paris, France. Wind engine. 2,633,921, Apr. 7.

Monnich, Carl E., assignor to Hydraulic Research & Mfg. Co. Inc., Burbank, Calif. Valve. 2,645,242, July 14.

Monnig, George O., Hampton, Va. Stabilizing device for vehicles and other purposes. 2,650,107, Aug. 25.

Mono Products Inc., assignee: *See*—
Pezzillo, Rinaldo F. and A. H., and Tatem.

Monorail Engineering and Construction Corporation, assignee: *See*—
Omsted, Harald.

Monowatt, Inc., assignee: *See*—
Sheldon, Luther M.

Monroe Auto Equipment Company, assignee: *See*—
McIntyre, Brouwer D.
Read, Charles E., and Whisler.
Redding, George L.
Stoner, Frank H.
Thompson, Keith R.

Monroe, Benjamin F., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Reversible and berthable seat. 2,642,922, June 23.

Monroe Calculating Machine Company, assignee: *See*—
Blake, Edward S.
Buckley, Francis T.
Burkhart, William H.
Chase, George C.
Claver, George C., Jr.
Duke, Harvie J.
Fleming, Howard M.
Fleming, Howard M., and Overbury.
Fleming, Howard M., Jr.
Gang, Herman.
Hardy, Edgar E.
James, William R.
Kyrides, Lucas P.
Mowry, David T.
Mowry, David T., and Plesbergen.
Mowry, David T., and Schlesinger.
Oliwa, Walter S.
Patrick, Tracy M., Jr.

Monroe Calculating Machine Company, assignee: *See*—Continued.
Pfleger, Frederick W.
Quinby, Edwin J., and Oliwa.
Quinby, Edwin J., Bender, and Oliwa.
Wilson, William S., and Bump.

Monroe, Charles Z., assignor to The Ex-Cell-O Corporation, Detroit, Mich. Wire feed for stapling machines. 2,661,032, Dec. 1.

Monroe, Kenneth P., Boston, assignor to Standard Dyewood Company, Medford, Mass. Tanning materials and preparing the same. 2,653,967, Sept. 29.

Monroe, Mary P., Kansas City, Mo. Composition for treating cloth materials. 2,643,195, June 23.

Monsanto Chemical Company, assignee: *See*—
Adams, Charles H.
Adams, James F., Bauer, and Taylor.
Barrett, Gerald R.
Basdekis, Costas H.
Beaver, David J.
Benignus, Paul G.
Bennett, George E., and Ott.
Bjorksten, Johan A., and Eisen.
Blake, Edward S.
Bland, Marshall R., and Young.
Bonzagni, Francis A.
Boyd, Thomas.
Boyd, Thomas, and Walter.
Butler, John M.
Cohen, Oscar P.
Cohen, Oscar P., and Rossin.
Compton, Ell D.
Cook, Robert R., and Hatch.
Craver, John K.
Daley, Edward M.
Daniloff, Karl B.
Darby, Joseph R.
Darby, Joseph R., and Wells.
Davis, Walter M.
Dazzi, Joachim.
De Garmo, Oliver, and Guthrie.
De Garmo, Oliver, and Zienty.
Doerr, Edward L.
Downey, Paul M.
Dvornikoff, Michael N., and Young.
Emerson, William S., and Heimsch.
Emerson, William S., and Longley.
Erickson, Floyd B.
Erickson, Floyd B., and Schlesinger.
Fields, Joseph E.
Fields, Joseph E., and Patrick.
Fike, Elmer A., and Bruner.
Fincke, John K.
Folkers, Kern E.
Fordyce, Reid G., and Baer.
Gamrath, Harry R.
Gamrath, Harry R., and Hatton.
Gamrath, Harry R., and Knowles.
Gamrath, Harry R., and Weesner.
Gluesenkamp, Earl W.
Gluesenkamp, Earl W., and Patrick.
Hahn, Frank J.
Ham, George E.
Harman, Marion W.
Harris, Jay C.
Hedrick, Ross M.
Hedrick, Ross M., and Mowry.
High, Donald A.
Hubbard, Findley E., and Metcalf.
Hubbard, Findley E., and Wright.
Hurley, Forrest R.
Ingram, Joseph R.
Jenkins, Russell L.
Johnsen, Sherman E. J.
Klein, Louis E., and Hempel.
Klugh, Bethune G., and Perrine.
Kosmin, Milton.
Kosmin, Milton, and Schlesinger.
Kosolapoff, Gennady M.
Kyrides, Lucas P.
Kyrides, Lucas P., and Zienty.
Lesslie, Thomas E.
Loewen, Roland P., and Starr.
Lovett, Gordon H.
Malowan, John E.
Marling, Paul E., and Hempel.
McKone, Charles J.
Morris, Herbert E.
Mowry, David T., and Hedrick.
Mowry, David T., and Ringwald.
Mowry, David T., and Schlesinger.
Nason, Howard K., and Nielsen.
Nickerson, Ralph F.
Nielsen, Morris L.
Niles, George E.
Norris, Forrest H.
Ott, John B.
Park, Harold F.
Patrick, Tracy M., Jr.
Patrick, Tracy M., Jr., and Gluesenkamp.
Powers, Donald H.
Richardson, George A.
Rossin, Elmer H.
Rudick, Lawrence.

Monsanto Chemical Company, assignee: *See*—Continued.
Schlesinger, Arthur H.
Schlesinger, Arthur H., and Kosmin.
Schlesinger, Arthur H., and Mowry.
Schnelle, Philip D.
Seymour, Raymond B.
Seymour, Raymond B., and Mowry.
Shand, Lloyd D.
Shusman, Tevis.
Sibley, Robert L.
Slocombe, Robert J., and Wesp.
Stehman, Carlyle J.
Taylor, George E., and Russe.
Taylor, Keith M., and Walker.
Terpstra, Marrine A.
Walter, Henry A.
Weinkauff, Oliver J.
Wesp, George L., and Slocombe.
Wildish, Myron F.
Wilson, Ivan V.
Wright, Felix H., Jr.
Young, Evan J.
Zerbe, Richard O.
Zienty, Ferdinand B.

Monsanto Chemicals Limited, assignee: *See*—
Morgan, William M.
Roebuck, David S. P.

Monson, Hugh T., Euclid, Ohio. Turret type boring and drilling machine. 2,630,026, Mar. 3.

Monson, Martin B., near Henderson, Colo. Weighing and packaging machine. 2,642,276, June 16.

Montagna, Christopher, Ocean City, N. J. Sand sluicer adapted for removal of sand bars by ocean tides. 2,634,588, Apr. 14.

Montague, Harley H., assignor to American Clay Works & Supply Co., Denver, Colo. Method and means for preparing ceramic clays. 2,642,643, June 23.

Montague, William E., Inglewood, Calif. Multiple socket flexible lamp fixture. 2,632,843, Mar. 24.

Montalbano, Michael J., Jersey City, N. J. Sash fastening means. 2,639,176, May 19.

Montalto, George J., assignor to Telephonics Corporation, Huntington, N. Y. Impulse switch silencer. 2,655,052, Oct. 13.

Montanari, Vittorio: *See*—
Mosso, Angelo, and Montanari.

Montano, Ciriaco, assignee: *See*—
Varona, Eulalio M., Oscar B., and Olivio B.

Montanus, Paul A., and C. E. Kraus, assignors to The Springfield Machine Tool Co., Springfield, Ohio. Step turner. 2,632,353, Mar. 24.

Montchausse, André J., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Commutating mechanism for crossbar switches. 2,664,468, Dec. 29.

Montclair Research Corporation, assignee: *See*—
Hammer, Irving P., and Rust.
MacKenzie, Charles A., and Rust.
Rust, John B.
Rust, John B., and Canfield.
Rust, John B., and Joy.
Rust, John B., and MacKenzie.
Rust, John B., and Spialter.

Montefusco, Michael T., Brooklyn, N. Y. Window guard. 2,642,134, June 16.

Montelius, George A., Minneapolis, Minn. Scalpel. 2,650,426, Sept. 1.

Montemare, Anthony, Reading, Pa. Keyboard steadying device for accordions and similar instruments. 2,663,210, Dec. 22.

Montenier, Jules B., Chicago, Ill. Unitary container and atomizer for liquids. 2,642,313, June 16.

Montenier, Jules B., Chicago, Ill. Unitary container for atomizing. 2,658,797, Nov. 10.

Montero, Bruno, Los Angeles, and R. J. Palmer, Long Beach, assignors to Modglin Company, Inc., Los Angeles, Calif. Making brooms. 2,653,056, Sept. 22.

Montero, Tony O., Loomis, Calif. Cow stanchion. 2,625,907, Jan. 20.

Montes, Joseph, Brooklyn, N. Y., and S. L. Presti, Hollywood, Calif. Straight and slant bottom ruler or gauge for trousers. 2,630,629, Mar. 10.

Montgomery, Carroll W., Clarence Center, N. Y. Water heater. 2,636,482, Apr. 28.

Montgomery, Charles W.: *See*—
Gilbert, William I., and Montgomery.

Montgomery, Charles W., and W. A. Horne, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydrocarbon synthesis. 2,638,477, May 12.

Montgomery, Charles W., Oakmont, and C. S. Brown, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Treatment of hydrocarbons with hydrogen. 2,640,009, May 26.

Montgomery, Charles W., and W. A. Horne, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydrogen treatment of heavy hydrocarbons. 2,662,846, Dec. 15.

Montgomery, Delray, administratrix: *See*—
Montgomery, Julius.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Stock-feed mechanism. 2,626,449, Jan. 27.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Automatic machine tool. 2,628,414, Feb. 17.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Spindle bearing. 2,631,072, Mar. 10.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Recessing attachment. 2,637,237, May 5.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Machine tool. 2,650,416, Sept. 1.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Machine tool. 2,656,587, Oct. 27.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Tool-carrier stop. 2,656,753, Oct. 27.

Montgomery, Grace M., Inglewood, Calif. Illuminated mirror. 2,640,909, June 2.

Montgomery, Gustaf A., Buenos Aires, Argentina. Reinforced concrete conduit. 2,660,199, Nov. 24.

Montgomery, H. A., Company, The, assignee: *See*—
Montgomery, Harley A., and Wojtowicz.

Montgomery, Harley A., Highland Park, and W. J. Wojtowicz, Detroit, Mich.; said Wojtowicz assignor to The H. A. Montgomery Company, Detroit, Mich. Preparing metal surfaces for drawing operations. 2,662,836, Dec. 15.

Montgomery, Harry E.: *See*—
Jack, Robert W., and Montgomery.

Montgomery, Harold C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor transducer. 2,632,062, Mar. 17.

Montgomery, James L., Indianapolis, Ind. Variable voltage device. 2,653,206, Sept. 22.

Montgomery, James M., Los Angeles, Calif. Brake pipe and signal hose coupling gasket groove reconditioning device. 2,651,066, Sept. 8.

Montgomery, James P., Buffalo, and W. T. Hunt, Jr., Williamsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive control system. 2,629,846, Feb. 24.

Montgomery, John E., Baton Rouge, La., assignor to Kaiser Aluminum & Chemical Corporation. Method and apparatus for treating solids. 2,629,938, Mar. 3.

Montgomery, John E., and W. H. Cundiff, Baton Rouge, La., assignors to Kaiser Aluminum & Chemical Corporation. Method and apparatus for treating solids. 2,657,473, Nov. 3.

Montgomery, Julius, deceased, Dalton, Ga., by D. Montgomery, administratrix, assignor to Lawtex Corporation, Dalton, Ga. Tufting machine for producing ornamental designs. 2,656,803, Oct. 27.

Montgomery, Kenneth R., Coos Bay, Oreg. Belt adjuster. 2,650,506, Sept. 1.

Montgomery, Martha O., Independence, Mo. Hair curling device. 2,634,733, Apr. 14.

Montgomery, Paul S., Oklahoma City, assignor to Lloyd-Avon, Ltd., Oklahoma County, Okla. Tailless airplane. 2,628,043, Feb. 10.

Montgomery, Robert L., Jr., Bala-Cynwyd, assignor to Wm. Montgomery Company, Philadelphia, Pa. Roasting coffee. 2,632,706, Mar. 24.

Montgomery, Seton J., and I. P. Macnab, Halifax, Nova Scotia, assignors to Wave Power Development Limited, Truro, Nova Scotia, Canada. Means for harnessing wave power. 2,641,108, June 9.

Montgomery, Walter J.: *See*—
De Piccolellis, John, and Montgomery.

Montgomery Ward & Co., Incorporated, assignee: *See*—
Frisk, Walter E.

Montgomery, Wm., Company, assignee: *See*—
Montgomery, Robert L., Jr.

Montgomery, William E.: *See*—
Sampson, Robert W., and Montgomery.

Montgomery, William G., Birmingham, Ala., assignor to United States Steel Corporation. Sheet pickup and feeder. 2,661,948, Dec. 8.

Montgomery, William J., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Coating paper. Re. 23,637, Mar. 24.

Montmartin, Guy H., assignee: *See*—
De Vecchis, Ineo, and Ramuz.

Montooth, George A., Long Beach, Calif., assignor to The Brunswick-Balke-Collender Company. Spring clutch and brake. 2,652,134, Sept. 15.

Montres Rolex S. A. (Rolex Watch Co. Ltd.), assignee: *See*—
Huguenin, Marc.
Huguenin, Marc P.

Montross, Charles F.: *See*—
Davis, Hyman R., and Montross.

Montross, Eugene E., and P. L. Shurr, assignors to The Polymer Corporation, Reading, Pa. Mechanism for forming strip stock from polyamides. 2,624,913, Jan. 13.

Moody, Alvin S., assignee: *See*—
Cunningham, Marcus M.

Moody, Charles W., Pittsfield, Mass., assignor to General Electric Company. Making joints in wound cores. 2,657,456, Nov. 3.

Moody, John L., Oakland, and E. A. Davis, Hayward, Calif., assignors to Friden Calculating Machine Co., Inc. Overload relief for electric motors. 2,652,527, Sept. 15.

Moody, Leonard E.: *See*—
Jones, Robert H., and Moody.

Moody, Norman F.: *See*—
Williams, Frederic G., and Moody.

Moody, Taft, assignee: *See*—
Tarr, Robert G.

Moog, William C., Jr., East Aurora, assignor, by mesne assignments, to Research Corporation, New York, N. Y. Electrohydraulic servo mechanism. 2,625,136, Jan. 13.

Moolten, Sylvan E., Highland Park, N. J., assignor to American Cholesterol Products, Inc. Extracting biologically active material. 2,658,019, Nov. 3.

Moomaw, John C., La Verne, assignor to A. M. Mellen, Whittier, Calif. Two-way plow. 2,626,546, Jan. 27.

Moon, Charles R., assignor to Ontario Manufacturing Company, Muncie, Ind. Arc welding machine. 2,646,493, July 21.

Moon, Clifford G.: *See*—
Jackson, Joseph B., and Moon.

Moon, James, Altadena, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Method and apparatus for drilling boreholes. 2,641,444, June 9.

Moon, James, Altadena, assignor to Western Oil Tool & Engineering Co. Inc., Hollydale, Calif. Platform for portable drilling masts. 2,662,797, Dec. 15.

Moon, Robert J.: *See*—
Shaw, Albert E., and Moon.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Mining and loading machine. 2,630,308, Mar. 3.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Underground loading machine. 2,633,973, Apr. 7.

Moon, Sterling C., Worthington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Loading machine. 2,653,696, Sept. 29.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Kerf cutting mining machine, including mechanism for removing kerf cuttings therefrom. 2,653,807, Sept. 29.

Moon, Sterling C., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Truck for drill and mining machines. 2,656,152, Oct. 20.

Mooney, Ronald B.: *See*—
Ellis, Amy S., and Mooney.

Mooradian, Leon, assignor to Baker Manufacturing Company, Los Angeles, Calif. Pouring attachment for containers having means for cutting a discharge opening. 2,630,943, Mar. 10.

Mooradian, Shannon: *See*—
Millison, Henry E., and Mooradian.

Mooradian, Shannon, Somerville, and H. E. Millison, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Universal pH indicator. 2,643,230, June 23.

Mooradian, Victor G., East Orange, assignor to The H. A. Wilson Company, Newark, N. J. Gold base alloy. 2,654,146, Oct. 6.

Moore, Alberta B., Valley Park, and A. B. Sloofman, Webster Groves, assignors to Harber Products Incorporated, St. Louis, Mo. Cover for playpen pads. 2,629,112, Feb. 24.

Moore, Arthur H., Fairfield, assignor to the Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Hand flashlight having improved means for mounting the light bulb. 2,649,534, Aug. 18.

Moore Business Forms, Inc., assignee: *See*—
Manuel, Charles J.

Moore, Charles D., Malden, assignor to Thomson Electric Welder Company, Lynn, Mass. Platen control mechanism for welding machines. 2,647,980, Aug. 4.

Moore, Clay C., Jr., Corpus Christi, Tex. Clamping fixture for the application of webbing to furniture and the like. 2,635,656, Apr. 21.

Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Flow controller. 2,627,281, Feb. 3.

Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic control apparatus. 2,635,618, Apr. 21.

Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Positioner for fluid operated motors. 2,653,578, Sept. 29.

Moore, David P., Roslyn, assignor of one-half to P. N. Yontz, Yorktown Heights, N. Y. Molding reinforced hollow concrete walls. 2,630,615, Mar. 10.

Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Pneumatic density-responsive apparatus. 2,635,460, Apr. 21.

Moore, Donald G.: *See*—
Bond, Donald S., and Moore.

Moore, Donald W., Lancaster, and A. H. Searl, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Mastic tile. 2,649,428, Aug. 18.

Moore, Dorothy S.: *See*—
Moore, Leroy and D. S.

Moore, Edward E., Yonkers, assignor to Stein
Company, Inc., New York, N. Y. Modified sta
formaldehyde water resistant adhesive. 2
Feb. 24.

Moore Electronic Laboratories, Incorporated,
See—
Bordewieck, Robert W.

Moore, Emanuel M., Pine Bluff, Ark. Earth m
paratus. 2,624,415, Jan. 6.

Moore, Francis K.: *See*—
Heyer, Arthur J., and Moore.

Moore, Frank C., Louisville, Ky., and W. E.
Indianapolis, Ind. Dispensing gun. 2,624,338

Moore, Frank J., and H. V. Hess, Beacon, assi
The Texas Company, New York, N. Y. Re
oxygenated organic compounds. 2,653,959, Se

Moore, Frank L., Hartford, and W. A. Roberts,
field, assignors to The Gray Manufacturing C
Hartford, Conn. Portable sound recording a
ducing machine. 2,628,842, Feb. 17.

Moore, Fred E., Los Angeles, Calif. Ball
2,664,077, Dec. 29.

Moore, Frederic H., Long Beach, Calif., assigno
Texas Company, New York, N. Y. Synthesis
eration. 2,655,443, Oct. 13.

Moore, George A., assignor to National Biscuit C
New York, N. Y. Packaging machine. 2,650,0
25.

Moore, George C., Company, assignee: *See*—
Siciliano, Samuel F.

Moore, George E., Detroit, Mich. Fishing tac
2,641,520, June 9.

Moore, George K., Detroit, Mich. Check valve. 2
Feb. 17.

Moore, Gerald: *See*—
Force, Leonard T., Moore, and Hincks.

Moore, Harry W., assignee: *See*—
Biddison, John M.
Moore, Kenneth A.

Moore, Harry W., Dayton, Ohio. Automatic
winding machine. 2,627,379, Feb. 3.

Moore, Henry S., assignor of one-half to F. M
Clarksdale, Miss. Lure with improved weed
2,641,081, June 9.

Moore, Henry T., Greenfield, Mass. Auxiliary
2,624,382, Jan. 6.

Moore, Howard H., Jr.: *See*—
Howard, Kenneth C., McGowen, and Moore.

Moore, Inc., assignee: *See*—
Mercier, Ernest.
Mercier, Ernest, and Ehlinger.

Moore, James A.: *See*—
Snell, Esmond E., Wittle, and Moore.

Moore, James B., Chicago, and R. R. Trexler, E
assignors to J. B. Moore, Chicago, Ill., as
Control system for plurality of liquid disper
vices. 2,652,948, Sept. 22.

Moore, James B., Jr., Lexington, Ky. Air dis
means for pot type burners. 2,627,909, Feb. 10

Moore, James C., assignor to The Oak Rubber C
Ravenna, Ohio. Plaster molding rubber
2,660,760, Dec. 1.

Moore, James H., Swampscott, assignor to Nati
search Corporation, Middlesex County, Mass.
casting apparatus. 2,625,719, Jan. 20.

Moore, James R., Rumson, N. J., assignor to th
States of America as represented by the Secr
War. Gating system for cathode-ray oscil
2,633,569, Mar. 31.

Moore, James R., Washington, D. C., assignor
Corporation of America. Relaxation o
2,627,031, Jan. 27.

Moore, Jay C., Fredonia, Pa. Grinding machine. 2
Jan. 20.

Moore, John C.: *See*—
Huscher, Myron E., Long, and Moore.

Moore, John D., Long Branch, Ontario, and B.
Toronto, Ontario, assignors to A. V. Roe Can
ited, Malton, Ontario, Canada. Aircraft contro
2,652,526, Sept. 15.

Moore, John D., Montreal, Quebec, Canada. Ru
chine. 2,661,538, Dec. 8.

Moore, John E.: *See*—
Hecker, John C., and Moore.
Rety, Stephen P., and Moore.

Moore, John R.: *See*—
Denker, Charles T., and Moore.

Moore, Joseph B., Edina, assignor to McLaughlin
King Company, Minneapolis, Minn. Insecticid
position comprising a glycol and an insecticid
phate. 2,631,962, Mar. 17.

Moore, Joseph B., Edina, assignor to McLaughlin
King Company, Minneapolis, Minn. Insectici
acaricidal composition comprising propylene gl
alkali ammonium sulfo sulfide. 2,641,563, Jun

Moore, Joseph M., Bremerton, Wash. Telescope m
2,641,057, June 9.

Moore, Kenneth A., assignor to H. W. Moore, Dayt
Wire unreeling device. 2,643,075, June 23.

Moore, Kenneth N., West Middletown, assignor
Raymond Bag Company, Middletown, Ohio. A
for automatically controlling the operation of
ing machines. 2,651,275, Sept. 8.

Moore, Lee C., Corporation, assignee: *See*—
Campbell, Erwin A.
Iddings, Charles D., Bechtold, and Borg.
Woolslayer, Homer J., and Iddings.
Woolslayer, Homer J., Iddings, and Eaton.

Moore, Leonard D., Ogden, Utah. Machine for cleaning and scraping pallets of block molds. 2,637,057, May 5.

Moore, Leonard O., Holdenville, Okla. Refrigerator having door operated valve means. 2,660,036, Nov. 24.

Moore, Leroy and D. S., Jackson, Miss. Infant restraining device. 2,650,590, Sept. 1.

Moore, Lon R., and K. B. Mitchell, Wichita, Kans., assignors to Forester Chemical Co., Inc. Feeding and measuring device. 2,633,272, Mar. 31.

Moore, Maher, Los Angeles, Calif. Locking mechanism for restraining movement of an operating member from a preestaablished position. 2,664,015, Dec. 29.

Moore, Marlin C., Elm Grove, Wis. Lubricating device. 2,624,423, Jan. 6.

Moore, Milford B.: *See*—
Jacobson, Irving, Brundage, and Moore.

Moore, Minerva B. T., Kansas City, Mo. Floor covering. 2,659,687, Nov. 17.

Moore Products Co., assignee: *See*—
Moore, Coleman B.

Moore, Ralph G. D.: *See*—
Comer, Ann P., and Moore.

Moore, Raymond E.: *See*—
Musgrove, Edward H., and Moore.

Moore, Raymond P., Jr.: *See*—
Lo, Arthur W., and Moore.

Moore, Raymond W.: *See*—
Harder, Edwin L., Greenwood, Moore, and Stringer.
Harris, Walter R., Moore, and Schaelchlin.

Moore, Richard E., Dayton, Ohio, and J. F. Mack, El Monte, Calif., assignors to General Motors Corporation, Detroit, Mich. Propeller control. 2,626,669, Jan. 27.

Moore, Richard E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller control. 2,626,670, Jan. 27.

Moore, Richard E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Variable pressure system. 2,648,389, Aug. 11.

Moore, Richard E., Dayton, E. W. Lape, Piqua, and O. F. Flaugh, West Milton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Accumulator feathering system for variable pitch propeller control. 2,653,669, Sept. 29.

Moore, Robert B., Evansville, Ind. Shoe squeak eliminator. 2,638,611, May 19.

Moore, Robert C., Erdenheim, assignor to Philco Corporation, Philadelphia, Pa. Color television sampling system. 2,644,030, June 30.

Moore, Robert E., Whittier, Calif., assignor to Amana Refrigeration, Inc., Amana, Iowa. Refrigerator construction. 2,625,291, Jan. 13.

Moore, Robert E., Winnetka, assignor to Bell & Gossett Company, Morton Grove, Ill. Flow control valve. 2,642,260, June 16.

Moore, Robert J., Oakland, assignor to Shell Development Company, Emeryville, Calif. Lubricating grease composition. 2,625,510, Jan. 13.

Moore, Robert J., Oakland, assignor to Shell Development Company, San Francisco, Calif. Preparing lubricating grease compositions. 2,648,634, Aug. 11.

Moore, Robert J., Oakland, and J. S. Wilson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Manufacture of grease compositions. 2,652,365, Sept. 15.

Moore, Robert L., and S. L. Pastor, assignors to Revere Camera Company, Chicago, Ill. Film driving means in sound projectors. 2,645,478, July 14.

Moore, Robert P., Hampden-Sydney, Va. Erythrocytometer. 2,642,769, June 23.

Moore, Stanely C.: *See*—
Lewis, Russel W., and Moore.

Moore, Stuart G.: *See*—
Amsbary, Frank C., Jr., and Moore.

Moore, Thomas, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Timing device. 2,641,701, June 9.

Moore, Thomas E., Austin, Tex., K. R. Spangenberg, and H. M. Zeidler, Palo Alto, Calif., assignors to the United States of America as represented by the Secretary of War. Coaxial resonant line coupling means. 2,633,301, Sept. 22.

Moore, Thomas G., Takoma Park, assignor to American Instrument Company, Inc., Silver Spring, Md. Fluid pressure intensifier. 2,628,872, Feb. 17.

Moore, Thomas W., Dayton, Ohio, assignor, by mesne assignments, to American Machine & Foundry Company, New York, N. Y. Dynamoelectric machine. 2,637,825, May 5.

Moore, Vincent, Ridgewood, N. J., assignor to Curtiss-Wright Corporation. Shrouded impeller. 2,625,365, Jan. 13.

Moore, Walter E.: *See*—
McFarland, Donald L., and Moore.

Moore, Walter E., Bel Nor, assignor to Swing-A-Way Manufacturing Company, St. Louis, Mo. Cabinet model can opener. 2,649,347, Aug. 18.

Moore, Walter G.: *See*—
Morley, William E., Moore, and Rouse.

Moore, Walter G., West Palm Beach, Fla. Wall ventilator. 2,657,570, Nov. 3.

Moore, Walter W., and C. A. McCormick, Connellsville, Pa. Clothesline hanger. 2,645,358, July 14.

Moore, Warren, Jr.: *See*—
Ehret, Robert J., and Moore.

Moore, Warren, Jr., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,647,252, July 28.

Moore, Wayne B., San Diego, Calif. Electrically controlled follow-up system. 2,644,426, July 7.

Moore, William D., assignor to Brunson Instrument Co., Kansas City, Mo. Apparatus for measuring relative angular movements. 2,656,818, Oct. 27.

Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Electrode clamp. 2,647,936, Aug. 4.

Moore, William F.: *See*—
Schmidt, Frederick W., Moore, and Edberg.

Moore, William H., Buffalo, N. Y. Spring mounted chair seat. 2,633,897, Apr. 7.

Moore, William H., Larchmont, N. Y., assignor to Meehanite Metal Corporation. Optimum temper moisture determination in foundry sand. 2,637,212, May 5.

Moore, William R., Jr., deceased, Hagerstown, Md.; W. R. Moore, III, administrator. Fluid control system and valve. 2,653,580, Sept. 29.

Moore, William R., III, administrator: *See*—
Moore, William R., Jr.

Moore, William S., Batavia, Ohio. Embalming apparatus. 2,626,446, Jan. 27.

Moore, William T., Elmhurst, Ill., assignor to The Babcock & Wilcox Company, New York, N. Y. Vapor generator. 2,647,495, Aug. 4.

Moore, William W.: *See*—
Dames, Trent R., Moore, and Maloney.

Moores, Urban A., Rutland Heights, Mass. Rotary ram jet propelled motor. 2,633,701, Apr. 7.

Moorhead, John P., Dearborn Township, Wayne County, assignor to Wall Wire Products Company, Plymouth, Mich. Stacking stock basket. 2,662,662, Dec. 15.

Moorhouse, Courtney E.: *See*—
Thomas, John B., and Moorhouse.

Moorman, Joseph W., Alpine, and L. J. Kelly, Tenafly, assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of hydrocarbons. 2,662,050, Dec. 8.

Moos, Anthony M., Hillsdale, N. J., assignor to Patterson, Moos & Company, Inc., Long Island City, N. Y. Dosimeter. 2,664,511, Dec. 29.

Moose, Charles E., assignee: *See*—
Fuehring, Karl T.

Moot, Samuel K., Pampa, Tex. Low tire indicator switch. 2,647,967, Aug. 4.

Moragne, Edward L., assignor of one-third to M. J. Gulberteau, and one-third to H. L. Reynolds, Houston, Tex. Rotating bed adsorber. 2,662,607, Dec. 15.

Morain, Clifford F., Youngstown, Ohio. Pipe brushing apparatus. 2,637,056, May 5.

Moran, Archibald A., Mendham, N. J. Transom plate for outboard motorboats. 2,660,385, Nov. 24.

Moran, Harold J., West Pittston, Pa., assignor to Mead Aviation Equipment Company, Trenton, N. J. Variable diameter parachute canopy. 2,641,424, June 9.

Moran, Ralph V., Bradford, Pa. Joint. 2,663,584, Dec. 22.

Moran, William O., Tulsa, Okla. Support for lines and the like. 2,625,342, Jan. 13.

Moran, William O., Tulsa, Okla. Gas heater. 2,656,833, Oct. 27.

Moran, William O., Tulsa, Okla. Flash arrester for draft intake of furnace fireboxes. 2,664,081, Dec. 29.

Moravcik, Carl W., East St. Louis, Ill. Automatic cleaver. 2,629,928, Mar. 3.

Morawski, London T.: *See*—
Parker, John J., and Morawski.

Moray, Jerome I., West Orange, N. J. Dental inlay clamp. 2,627,113, Feb. 3.

Mörch, Ernst T., Kansas City, Kans. Laryngoscope. 2,648,329, Aug. 11.

Morck, Charles W., Jr., Philadelphia, and T. Koch, Lansdowne, assignors to Selas Corporation of America, Philadelphia, Pa. Internally fired gas burner. 2,652,890, Sept. 22.

Morde, Albert, New Bedford, Mass. Priming device. 2,639,702, May 26.

Morden, Charles W., assignor to Morden Machines Company, Portland, Oreg. Pulp shredding and treating machine. 2,654,294, Oct. 6.

Morden Machines Company, assignee: *See*—
Morden, Charles W.

More, Arthur R., Caterham, assignor to H. W. Wallace & Company Limited, Croyden, England. Apparatus for measuring the hardness of materials. 2,643,545, June 30.

More, Arthur R., Caterham, assignor to H. W. Wallace & Company Limited, Croydon, England. Apparatus for measuring the hardness of materials. 2,645,934, July 21.

More, David: *See*—
Fulton, Hugh W., Stead, and More.

More, Kenneth R.: *See*—
Middleton, Walter G., and More.

More, Kenneth R., Vancouver, British Columbia, Canada, and W. G. Middleton, Jr., Bartlesville, Okla., assignors to Phillips Petroleum Company. Well bore measuring and fluid metering device. 2,636,383, Apr. 28.

More, Phillip J.: *See*—
Sparklin, Charles H., and More.

Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co. Incorporated. Chain slide. 2,637,884, May 12.

Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Incorporated. Safety catch. 2,645,834, July 21.

Morehouse, Glenn H., Glendale, assignor to Morehouse Industries, Los Angeles, Calif. Deaerating apparatus. 2,660,259, Nov. 24.

Morehouse Industries, assignee: *See*—
Morehouse, Glenn H.

Morehouse, Neal F., and W. C. McGuire, Charles City, Iowa, assignors to Dr. Salsbury's Laboratories. Paranitro-phenyl-arsonic acid blackhead control composition. 2,638,432, May 12.

Morel, Roger, assignor to Societe Anonyme des Machines Electrostatiques, Grenoble, and Centre National de la Recherche Scientifique, Paris, France. Polarity reversal device for electrostatic machines. 2,649,566, Aug. 18.

Moreland, Stephen T., Indianapolis, Ind. Machine for injecting bacon slabs or the like. 2,645,171, July 14.

Moreland, William J.: *See*—
Foote, Harold G., and Moreland.

Morelock, Oliver J., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Moisture testing apparatus. 2,654,054, Sept. 29.

Morelock, Oliver J., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Hermetically sealed electrical unit. 2,662,930, Dec. 15.

Moren, Walter J.: *See*—
Magnuson, Harry E., and Moren.

Moreno, José H., San Pedro, Calif. Cooking pan. 2,652,768, Sept. 22.

Moreton, Neal S., Staten Island, N. Y. Permanent magnet assembly. 2,645,745, July 14.

Moretti, John, Cranston, R. I. End member for box type link chains. 2,634,593, Apr. 14.

Morey, Carl, Hamilton, Ohio, assignor, by mesne assignments, to Clearing Machine Corporation. Planer head. 2,624,244, Jan. 6.

Morey, Carl, assignor to Economy Pumps, Inc., Hamilton, Ohio. Lockable valve operating mechanism. 2,636,515, Apr. 28.

Morey, Carl, assignor to Economy Pumps, Inc., Hamilton, Ohio. Rotary pump and motor hydraulic transmission system. 2,656,679, Oct. 27.

Morey, Donald R., and W. R. White, assignors to Eastman Kodak Company, Rochester, N. Y. Antistatic photographic film. 2,639,234, May 19.

Morey, Earl L.: *See*—
Gillespie, Michael A., and Morey.

Morey Food Machinery Co., Inc., assignee: *See*—
Casella, Secondo L., and Morey.
Morey, Sigmund, and Casella.

Morey, Glen H., assignor to Glas-Col Apparatus Co., Inc., Terre Haute, Ind. Warming device. 2,640,907, June 2.

Morey, Leon K., Gloversville, N. Y. Sheave. 2,637,214, May 5.

Morey Machinery Co. Inc., assignee: *See*—
Kurzweil, Robert.

Morey Paper Mill Supply Co., assignee: *See*—
Hall, George B.

Morey, Sigmund: *See*—
Casella, Secondo L., and Morey.

Morey, Sigmund, and S. L. Casella, assignors to Morey Food Machinery Co. Inc., Astoria, N. Y. Device for extracting juice. 2,630,753, Mar. 10.

Morey, Sigmund, and S. L. Casella, assignors to Morey Food Machinery Co. Inc., Astoria, N. Y. Driving arrangement for juice extracting devices. 2,630,754, Mar. 10.

Morey, Woodruff A.: *See*—
Vokac, Charles W., Rothenberger, and Morey.

Morf, Ernest, La Chaux-de-Fonds, Switzerland. Flexible balance staff. 2,646,662, July 28.

Mor-Film Company, assignee: *See*—
Kluender, Arnold F.

Morfit, Oliver, Hartsdale, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Recovery of phenol from extracts. 2,655,462, Oct. 13.

Morgan, A. A., assignee: *See*—
Shaw, George E.

Morgan, Albert M. and A. G., Bozeman, Mont. Combination seat and rack support. 2,625,985, Jan. 20.

Morgan, Alpha G.: *See*—
Morgan, Albert M. and A. G.

Morgan, Burton D., Fords, N. J., assignor to Johnson & Johnson. Aspetic package with steam permeable seal. 2,627,341, Feb. 3.

Morgan, Burton D., Loudonville, N. Y. Toe pledget. 2,663,296, Dec. 22.

Morgan, Carl E., Grants Pass, Oreg., assignor of twenty-five percent to O. F. Crenshaw, and twenty-five percent to L. A. Davis, Dunsmuir, Calif. Car tow mechanism. 2,661,106, Dec. 1.

Morgan, Charles, assignor to Copperweld Steel Warren, Ohio. Bottom-dump charging bucket closing mechanism therefor. 2,626,828, Jan.

Morgan, Charles E., West Hempstead, N. Y. holding slides. 2,636,614, Apr. 28.

Morgan, Charles F.: *See*—
Kelly, Joseph J., Morgan, and Smith.

Morgan, Chester S., Jr., Corpus Christi, Tex., Robertson, Cambridge, Mass., assignors t Corporation of America, New York, N. Y. process. 2,659,746, Nov. 17.

Morgan, Clarence A., Albany, Calif. Clothespin. June 16.

Morgan, Clarence R., Marblehead, Mass., a mesne assignments, to California Research C San Francisco, Calif. Higher secondary-a silicates. 2,643,263, June 23.

Morgan Construction Company, assignee: *See*
Beaman, Phineas A.
Morgan, Myles, and O'Malley.
Young, Richard W., and Kinnicutt.

Morgan, Donald C., Orange, N. J., assignor t house Electric Corporation, East Pittsburgh tallic heat shield for incandescent lamps. Dec. 29.

Morgan, Doris E., administratrix: *See*—
Buser, Joseph S.

Morgan, Ernest S., El Cerrito, Calif. Lead c cline. 2,635,310, Apr. 21.

Morgan, Frank A., Anderson, Ind. Nut actu type tire bead loosener. 2,650,659, Sept.

Morgan, George P., West Asheville, N. C. for supporting and displaying articles. July 28.

Morgan, Harry R., assignee: *See*—
Dutcher, Harold W.

Morgan, Herbert T., Santa Ana, Calif. Butt-g 2,655,732, Oct. 20.

Morgan, Hillen J., La Plata, Md. Plant bed 2,625,123, Jan. 13.

Morgan, J. R., Barryton, Mich. Fastener for gates. 2,645,520, July 14.

Morgan, Jack F.: *See*—
Bestehorn, Heinrich H., and Morgan.

Morgan, John D.: *See*—
Levitt, Percy B., and Morgan.

Morgan, John F., assignor to Fullerform, Inc Ariz. Ditch forming plow. 2,625,754, Jan.

Morgan, John L. and W. J., Pennsauken, N. J to Perfection Plastic Engineering Corporat delphia, Pa. Automatic door actuator. May 19.

Morgan, John M., Jr.: *See*—
Kirby, Roy G., Morgan, and Decker.

Morgan, Joseph P., Wampum, assignor of 4 , to H. Crisci, New Castle, Pa. Auomatic mag for band saws. 2,661,780, Dec. 8.

Morgan, Lemuel J.: *See*—
Fischer, John J., and Morgan.

Morgan, M. L., assignee: *See*—
McLean, Paul L.

Morgan, Milton F.: *See*—
Craig, John J., Dunasky, Morgan, and Foe

Morgan, Myles, and J. M. O'Malley, assignors Construction Company, Worcester, Mass 2,654,642, Oct. 6.

Morgan, Paul W., Kenmore, N. Y., assignor du Pont de Nemours & Company, Wilmi Preparation and hydrolysis of esters. 2,62 24.

Morgan, Paul W., Kenmore, N. Y., assignor to E de Nemours & Company, Wilmington, Del. I tion of polycarbonamides containing tertia in the chains. 2,631,993, Mar. 17.

Morgan, Paul W., Kenmore, N. Y., assignor Pont de Nemours and Company, Wilmington, thetic linear condensation polymers contai phorus. 2,646,420, July 21.

Morgan, Ralph E., assignor to The Timken R ing Company, Canton, Ohio. Removable sembly. 2,661,255, Dec. 1.

Morgan, Richard M.: *See*—
Houck, Hooper J., and Morgan.

Morgan, Robert L., assignee: *See*—
Thomas, Lawrence E.

Morgan, Roland J.: *See*—
Carvelo, William, and Morgan.

Morgan, Ruble F., assignor of twenty-five per Vann, Trussville, Ala. Jet action carburetor. Jan. 13.

Morgan, Sam D., Wellington, Tex., and D. D. Atwood, Okla. Tablet crusher. 2,631,786,

Morgan, Thomas D., Oak Ridge, Tenn., assignor Petroleum Company. Process and means f ing the gas pressure in containers. 2,653,62

Morgan, Willard L.: *See*—
Colbert, William H., Weinrich, and Morgan.

Morgan, Willard L., Pittsburgh, Pa., assignor Owens-Ford Glass Company, Toledo, Ohio. glass. 2,658,317, Nov. 10.

Morgan, William H., Glendale, and J. P. Etche bank, Calif. Casting reel. 2,633,307, Mar.

Morgan, William J.: *See*—
Morgan, John L. and W. J.

Morgan, William McG., Amersham, assignor to Monsanto Chemicals Limited, London, England. Treatment of rubber. 2,644,850, July 7.

Morgantown Glassware Guild, Inc., assignee: *See*— Haden, Joseph R.

Morgen, André L. A., Reims, France. Hydraulically operated device for controlling the position of implements carried by tractors. 2,642,846, June 23.

Morgen, André L. A., Reims, France. Power operated implement attachment for tractors. 2,650,528, Sept. 1.

Morgenroth, Henri, Santa Barbara, Calif. Carburetor. 2,638,330, May 12.

Morgenstern, Charles E., assignor to Whirlpool Corporation, St. Joseph, Mich. Electrically controlled clutch. 2,630,197, Mar. 3.

Morgenstern, David, assignor to W. M. Berliner, New York, N. Y. Shoulder pad and construction thereof. 2,646,573, July 28.

Morgenstern, Elliott: *See*— Morgenstern, Joseph and E.

Morgenstern, Joseph, University Heights, and E. Morgenstern, assignors to Electroline Manufacturing Company, Cleveland, Ohio. Holder and in combination with portable electric spotlight and cords. 2,658,136, Nov. 3.

Morgester, Ridgway P., Ridgway, Pa. Fly tier's bobbin. 2,659,548, Nov. 17.

Morhard, Josef K. Heroldsberg, near Nurnberg, assignor to Vereinigte Papierwerke Schickedanz & Co., Nurnberg, Germany. Sanitary towel or lady's band. 2,644,454, July 7.

Moriarty, Benedict E., Kenosha, Wis. Toilet paper holder. 2,641,415, June 9.

Moriarty, Benedict E., Kenosha, Wis. Storm window latch. 2,661,509, Dec. 8.

Morikawa, Minoru, Honolulu, Territory of Hawaii. Toilet seat operator. 2,632,896, Mar. 31.

Morin, Alexandre H., Montlucon, France. Elastic diaphragm. 2,642,091, June 16.

Morin, Francis J., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor of mixed nickel, manganese, and iron oxides. 2,645,700, July 14.

Morin, Louis H., Bronx, N. Y. Spring pin lock slider for separable fastener stringers. 2,634,486, Apr. 14.

Morin, Louis H., Bronx, N. Y. Low permeability separable fastener. 2,638,651, May 19.

Morin, Louis H., Bronx, N. Y. Blunt nose double-acting scoop for separable fasteners. 2,644,995, July 14.

Morin, Louis H., Bronx, N. Y., assignor to Coats & Clark Inc. Producing plastic rimmed spools. 2,646,378, July 21.

Morin, Louis H., Bronx, N. Y. Safety automatic lock slider. 2,646,605, July 28.

Morin, Louis H., Bronx, N. Y. Machine for racking channellike devices. 2,649,200, Aug. 18.

Morin, Louis H., Bronx, N. Y. Two-way separable fastener stringer. 2,649,638, Aug. 25.

Morin, Louis H., Bronx, N. Y., assignor to Coats & Clark Inc. Plastic shrouded spool. 2,651,476, Sept. 8.

Morin, Louis H., Bronx, N. Y. Apparatus for automatically stopping die casting machines in the event of shot failure. 2,655,699, Oct. 20.

Morin, Louis H., assignor, by mesne assignments, to M. Drexler, New York, N. Y. Ash tray with spinning closure. 2,659,513, Nov. 17.

Morine, Charles V., Wahiawa, Oahu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Transplanting machine. 2,626,578, Jan. 27.

Moritz, Adrian J. L., Jensen Beach, Fla. Trolling line sinker. 2,645,053, July 14.

Mork, George W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Landside end connection for bulldozer blades. 2,651,860, Sept. 15.

Mork, George W., South Milwaukee, and J. E. Marson and T. G. Paulsen, Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Fluid filter. 2,660,317, Nov. 24.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Windrowing device for beet harvesters. 2,630,666, Mar. 10.

Morkoski, James, Memphis, Tenn., assignor to International Harvester Company. Beet harvester. 2,637,963, May 12.

Morkoski, James, Memphis, Tenn., assignor to International Harvester Company. Tractor mounted tree embracing rotary cultivator. 2,651,249, Sept. 8.

Morkoski, James, and W. G. Toland, Canton, Ill., assignors to International Harvester Company. Scoop attachment for tractors. 2,634,516, Apr. 14.

Morlani, Asturio: *See*— Villa, Carlo, and Morlani.

Morley, Charles E., Detroit, Mich. Rearview mirror construction. 2,652,648, Sept. 22.

Morley, Earle V., Oakland, Calif. High-powered lock nut. 2,641,293, June 9.

Morley, Frederick W. W.: *See*— Lombard, Adrian A., Morley, Davis, and Wilkinson.

Morley, Frederick W. W., Aston-on-Trent, and W. H. Wilkinson, Old Normanton, assignors to Rolls-Royce Limited, Derby, England. Stator for multistage axial compressors. 2,645,413, July 14.

Morley, William E., Gillingham, W. G. Moore, Birkdale, and W. C. Rouse, Liverpool, England. Launching gear for boats. 2,635,259, Apr. 21.

Morlock, William J.: *See*— Rich, Theodore A., and Morlock.

Morningstar, Alvie S., assignee: *See*— Loyd, Jack.

Morningstar, Marion G., C. S. Schollenberger, and G. E. Stueber, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of polyisocyanates. 2,642,449, June 16.

Morningstar, Ralph E., Columbus, Ohio, and G. H. Whipple, Wilmington, Del., assignors to Mathieson Chemical Corporation. Noncaking finely ground sulfur. Production of. 2,629,133, Feb. 24.

Morosoff, Dimitrij A.: *See*— Nordström, Vilhelm F. A., and Morosoff.

Morphy, Donal W., Chislehurst, and W. M. Russell, Slough, assignors to Morphy-Richards Limited, St. Mary Cray, England. Electric toaster. 2,641,993, June 16.

Morphy, Donal W., Chislehurst, and W. M. Russell, Bromley, assignors to Morphy-Richards Limited, St. Mary Cray, England. Electric toaster. 2,659,297, Nov. 17.

Morphy-Richards Limited, assignee: *See*— Morphy, Donal W., and Russell.

Morreall, Herbert W., Jr.: *See*— Duerr, Herman H., Morreall, and Harsh.

Morrel, Victor M., West Chester, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Continuous heat-sealing apparatus. 2,641,166, June 9.

Morrell, Charles E.: *See*— Odell, William W., Morrell, and Scheeline.

Morrell, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Production of compounds for fuel mixtures. 2,626,209, Jan. 20.

Morrell, Clyde E., Southbridge, assignor to Buxton, Incorporated, Springfield, Mass. Key hanger support for key cases. 2,657,568, Nov. 3.

Morrell, Leon A., deceased, Mount Vernon, N. Y., by L. M. Morrell, executrix, assignor of one-half to E. H. Erickson, Teaneck, and one-half to E. Rosen, Newark, N. J. Ocular prosthesis. 2,637,043, May 5.

Morrell, Lillian M., executrix: *See*— Morrell, Leon A.

Morrell, Jacque C., assignee: *See*— Grosse, Aristid V.

Morren, Henri, Forest-Brussels, Belgium. Preparing monomethylpiperazines. 2,639,284, May 19.

Morren, Henri G. P. J., Forest, Brussels, assignor to Union Chimique Belge, S. A., Brussels, Belgium. Piperazine compounds and making same. 2,643,254, June 23.

Morren, Henri G. P. J., Forest, Brussels, assignor to Union Chimique Belge, S. A., Brussels, Belgium. Preparing piperazine compounds and a new type of compound produced thereby. 2,643,255, June 23.

Morrill, Alfred R., deceased, by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,625,124, Jan. 13.

Morrill, Alfred R., deceased, Woodstock, Vt.; by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe-feeding and positioning mechanism. 2,630,589, Mar. 10.

Morrill, Alfred R., deceased, by R. W. Morrill, administratrix, Woodstock, Vt., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine frame. 2,643,626, June 30.

Morrill, Lyall D., Fort Wayne, Ind., assignor to O. B. Morrill. Fan blade mounting. 2,653,459, Sept. 29.

Morrill, Olga B., assignee: *See*— Morrill, Lyall D.

Morrill, Ruth W., administratrix: *See*— Morrill, Alfred R.

Morrill, Vaughan, Jr., St. Louis, Mo., assignor to Magic Chef, Inc. Producing oxychlorides of silicon by thermal conversion of alkoxy trichlorosilanes. 2,633,408, Mar. 31.

Morrill, Wayne J., Fort Wayne, Ind. Fan support housing. 2,650,020, Aug. 25.

Morrill, Wayne J., Garrett, Ind. Housing for fan support. 2,650,021, Aug. 25.

Morris, Alberto J., assignor to R. A. Lister & Company Limited, Dursley, England. Control device for fuel systems. 2,654,994, Oct. 13.

Morris, Charles A., and J. D. Exner, Wichita Falls, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Dual production zone pump. 2,642,803, June 23.

Morris, Charles L., Greenwich, Conn. Rake. 2,652,279, Sept. 15.

Morris, Charles W., Los Angeles, and L. A. Kent, Redondo Beach, Calif.; said Kent assignor to Doak Aircraft Company, Incorporated, Torrance, Calif. Adjustable chair. 2,628,662, Feb. 17.

Morris, Edgar L., Chicago, Ill. Waste treating and disposal unit. 2,630,577, Mar. 10.

Morris, Francis C.: *See*— Leggett, Joseph H., and Morris.

Morris, Frank A., assignor to Stromberg-Carlson Company, Rochester, N. Y. Reverting call circuit. 2,628,281, Feb. 10.

Morris, Frank A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Revertive call circuits. 2,641,652, June 9.

Morris, George V., Melrose Park, and B. J. Miller, Oak Park, Ill., assignors to Zenith Radio Corporation. Subscriber signaling system. 2,656,409, Oct. 20.

Morris, George V., Melrose Park, and B. J. Miller, Oak Park, Ill., assignors to Zenith Radio Corporation. Television subscriber signaling system. 2,656,411, Oct. 20.

Morris, Gordon: *See*— Hennike, Anthony J., Morris, and Broady.

Morris, Harold B., and C. B. Meuser, Ashland, Ohio. Sterilizing air. 2,640,753, June 2.

Morris, Harry A., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerated display case. 2,660,864, Dec. 1.

Morris, Herbert E., Lamarque, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Corrosion inhibitor. 2,657,217, Oct. 27.

Morris, Hubert C., Portland, Oreg. Drainboard and splash back. 2,626,846, Jan. 27.

Morris, James H., Long Beach, Calif. Pipe sighting device and contour marker. 2,636,273, Apr. 28.

Morris, John N., assignor to The S. U. Carburetter Company Limited, Birmingham, England. Self-feeding carburetor for internal-combustion engines. 2,646,264, July 21.

Morris, John R., Fishkill, and J. R. Roach, Beacon, assignors to The Texas Company, New York, N. Y. Lubricating oils containing metal derivatives of cyclic imides. 2,628,942, Feb. 17.

Morris, John P., Hinsdale, Ill. Packing keeper. 2,631,903, Mar. 17.

Morris, John V., Plymouth, Pa. Floral display attachment for vehicles. 2,657,087, Oct. 27.

Morris, Melvin P., Okmulgee, Okla. Valve for leak patching device for pipe lines. 2,655,946, Oct. 20.

Morris, Merchant U., Indianapolis, Ind. Flower shipping case. 2,661,144, Dec. 1.

Morris, Myron J., Yonkers, N. Y., assignor to Tele King Corporation. Mounting of cathode-ray tubes for television reception. 2,643,373, June 23.

Morris Paper Mills, assignee: *See*— Arneson, Edwin L.

Morris, Paul, Chattanooga, Tenn., assignor to the Tennessee Valley Authority. Plotting device. 2,624,951, Jan. 13.

Morris, Pickens, assignee: *See*— Johnson J. B.

Morris, Reginald, Manchester, England. Sound reproducing machine. 2,658,761, Nov. 10.

Morris, Rupert C.: *See*— Ballard, Seaver A., Morris, and Van Winkle. Van Winkle, John L., and Morris.

Morris, Rupert C., Berkeley, J. L. Van Winkle, San Lorenzo, and D. E. Winkler, Orinda, assignors to Shell Development Company, San Francisco, Calif. Esters of tertiary alkyl-substituted aromatic acids. 2,624,752, Jan. 6.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Production of beta monoethers of glycerols. 2,634,296, Apr. 7.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, Emeryville, Calif. Organo diphosphine oxides and sulfides. 2,642,461, June 16.

Morris, Rupert C., and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Sulfur-containing ethers of polyhydric alcohols and derivatives thereof. 2,645,659, July 14.

Morris, Rupert C., Berkeley, and G. W. Conklin, Oakland, assignors to Shell Development Company, Emeryville, Calif. Monomers and polymers of unsaturated thioethers. 2,664,414, Dec. 29.

Morris, Thomas C., Lexington, and E. C. Johnson, Somerville, assignors to B. B. Chemical Co., Boston, Mass. Curing of rubber cements. 2,644,019, June 30.

Morris, Thomas L., Canoga Park, assignor of one-half to Floyd M. Boes, North Hollywood, Calif. Automatic transmission. 2,651,218, Sept. 8.

Morris, William B., Fort Worth, Tex. Lever operated gun with vertically slidable breech block. 2,638,694, May 19.

Morris, William E.: *See*— Lifson, William E., and Morris.

Morris, William L.: *See*— Halderson, Maxwell H., and Morris.

Morris, William L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Control circuit. 2,627,392, Feb. 3.

Morris, William L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Portable permeameter. 2,633,015, Mar. 31.

Morrison, Albert R., Newark, and R. F. Shannon, Lancaster, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Coated fabrics. 2,662,044, Dec. 8.

Morrison, Alexander L., and F. R. Atherton, Welwyn Garden City, England, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Phosphorus-containing derivatives of M-aminophenols. 2,638,478, May 12.

Morrison, Alexander L., and K. J. M. Andrews, Welwyn Garden City, England, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Bis-quaternary salts of 1:10-bis-(dialkylamino)-5:6-dithia-decane. 2,648,710, Aug. 11.

Morrison, Arnold G., Mineapolis, Minn. Attachment for fishing reels. 2,631,792, Mar. 17.

Morrison, Bernard H.: *See*— Clark, Charles W., and Morrison.

Morrison, Burton W., Boxboro, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Pressing apparatus for footwear and the like. 2,654,901, Oct. 13.

Morrison, Charles A., Rochester, and F. M. Brown, Huntington Station, assignors to Eastman Kodak Company, Rochester, N. Y. Film-perforation pitch gauge. 2,641,956, June 16.

Morrison, Charles S., assignor to Deere & Company, Moline, Ill. Pressure regulator valve. 2,634,748, Apr. 14.

Morrison, Charles S., assignor to Deere & Company, Moline, Ill. Towed sprayer. 2,657,949, Nov. 3.

Morrison, Edward B., Franklin, La., assignor of one-half to R. C. Morrison, El Dorado, Ark. Vacuum controlled auxiliary ignition switch for internal-combustion engines. 2,650,965, Sept. 1.

Morrison, David, assignor to Paragon Electric Company, Two Rivers, Wis. Time switch. 2,662,943, Dec. 15.

Morrison, Elizabeth M., Pontiac, Ill. Glove. 2,653,601, Sept. 29.

Morrison, Ella P., executrix: *See*— Morrison, Samuel O.

Morrison, George L., Evanston, Ill. Preparation of printing surfaces for photographing. 2,624,700, Jan. 6.

Morrison, Harold E.: *See*— Geldhof, Peter E., and Morrison.

Morrison, Harold E., St. Joseph, Mich., assignor to Whirlpool Corporation. Safety switch cutout for automatic laundry machines. 2,624,464, Jan. 6.

Morrison, Harold E., assignor to Whirlpool Corporation, St. Joseph, Mich. Delicate goods drier. 2,628,432, Feb. 17.

Morrison, Harold E., P. E. Geldhof, and L. Ringer, St. Joseph, Mich., assignors to Whirlpool Corporation. Washing machine control mechanism. 2,662,384, Dec. 15.

Morrison, James, Seattle, Wash. Ash tray. 2,638,905, May 19.

Morrison, James D., Medicine Hat, Alberta, Canada. Dental plugger. 2,641,836, June 16.

Morrison, James J., Worcester, Mass., assignor to United States Steel Corporation. Making electrical cable. 2,658,014, Nov. 3.

Morrison, James, Jr., Fair Lawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode and preparing same. 2,631,945, Mar. 17.

Morrison, James L. D.: *See*— Miller, Walter, and Morrison.

Morrison, James L. D., asignor to V-M Corporation, Benton Harbor, Mich. Driving mechanism for phonographs. 2,655,812, Oct. 20.

Morrison, John F., Boonton, assignor to Rowe Manufacturing Co., Inc., Whippany, N. J. Electronic coin totalizer. 2,652,136, Sept. 15.

Morrison, John W., Galena Park, Tex. Cotton tie buckling machine. 2,627,889, Feb. 10.

Morrison, Lester G., Chattanooga, Tenn. Masking device for automobile tires. 2,634,704, Apr. 14.

Morrison, Louis M., Denver, Colo. Garment hanger support. 2,643,000, June 23.

Morrison, Montford, Upper Montclair, N. J. Heat-sensitive recording element. 2,625,494, Jan. 13.

Morrison, Montford, Upper Montclair, N. J. Time keeping device motor. 2,640,175, May 26.

Morrison, Montford, Upper Montclair, N. J. Electric impulse motor device. 2,659,853, Nov. 17.

Morrison, Nathan H., Lowell, Mass., assignor, by mesne assignments, to R. R. Heywood Co., Inc., New York, N. Y. Machine for inserting cards or the like under envelope flaps. 2,625,392, Jan. 13.

Morrison, Nathan H., Lowell, Mass., assignor, by mesne assignments, to R. R. Heywood Co., Inc., New York, N. Y. Machine for handling greeting cards or other sheet-like articles. 2,643,119, June 23.

Morrison, Ralph P., Callaway, Nebr. Vacuum corn husking unit. 2,664,090, Dec. 29.

Morrison, Robert C., assignee: *See*— Morrison, Edward B.

Morrison, Robert F., Oak Park, assignor to Mars, Incorporated, Chicago, Ill. Candymaking apparatus. 2,640,446, June 2.

Morrison, Samuel O., deceased, Media, Pa.; E. P. Morrison, executrix, assignor to Sunroc Refrigeration Company, Dover, Del. Filter control. 2,632,566, Mar. 24.

Morrison, Samuel O., deceased, Media, Pa.; E. P. Morrison executrix of said S. O. Morrison, assignor to Sunroc Refrigeration Company, Dover, Del. Valve. 2,652,071, Sept. 15.

Morrison, Simon, assignor to S. Schwartzman, New York, N. Y. Sifter cap device for dispensing containers. 2,663,468, Dec. 22.

Morrison Warp Company, assignee: *See*— Eddy, Robert F., Stocker, and Carney.

Morrison, Wendell C.: *See*— Brown, George H., Morrison, and Flosdorf.

Morrison, Wendell C., Princeton, N. J., assignor to Radio Corporation of America. Signal amplifier. 2,631,201, Mar. 10.

Morrison, Willard L., Lake Forest, Ill. Evaporator structure. 2,624,554, Jan. 6.

Morrison, Willard L., Lake Forest, Ill. High-humidity refrigerator. 2,626,509, Jan. 27.
Morrison, Willard L., Lake Forest, Ill. Clothes drier. 2,645,863, July 21.
Morrison, Willard L., Lake Forest, assignor to Union Stock Yards & Transit Company, Chicago, Ill. Apparatus for compositing animal manure. 2,660,809, Dec. 1.
Morrissette, Roger, Rouyn, Quebec, Canada. Starting-generating and ignition system for vehicles with automatic cutoff switches. 2,627,037, Jan. 27.
Morrissey, Richard T.: *See*—
Crawford, Richard A., and Morrissey.
Morrogh, Henton, Alvechurch, assignor to The British Cast Iron Research Association, Birmingham, England. Production of cast iron. 2,661,281, Dec. 1.
Morrone Manufacturing Co., Inc., assignee: *See*—
Crory, Frederick J.
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Hot water tank flue baffle. 2,660,198, Nov. 24.
Morrow, Frederick L., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Separating end fitting for slide fasteners. 2,640,255, June 2.
Morrow, Harry S., assignor to E. H. Sheldon & Co., Muskegon, Mich. Fume hood. 2,627,220, Feb. 3.
Morrow, Horrell R.: *See*—
Lipic, Sylvester G., and Morrow.
Morrow, James E., and M. T. Edwards, Portland, Oreg. Control device. 2,633,913, Apr. 7.
Morrow, James R., Meadow, Tex. Cotton cleaner attachment for cotton gins. 2,634,460, Apr. 14.
Morrow, John H., and S. J. Fenyvessy, Chicago, Ill., said S. J. Fenyvessy, now by change of name S. J. Fenvessy, assignors of one-third to E. A. Johnson, Park, Ridge, Ill. Fluid applicator, including movable wick and roller. 2,625,701, Jan. 20.
Morrow, Marvin E., Tulsa, Okla. Galvanometer having balanced coil assembly. 2,646,546, July 21.
Morrow, Marvin E., assignor to Midwestern Geophysical Laboratory, Tulsa, Okla. Oscillograph galvanometer. 2,651,756, Sept. 8.
Morrow, Morris R., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Aviation fuel blending agent and producing same. 2,626,893, Jan. 27.
Morrow, Morris R., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Separation and recovery of naphthenic hydrocarbons from mixtures thereof. 2,628,990, Feb. 17.
Morrow, Stephen L., assignee: *See*—
Langdon, Samuel W.
Morrow, Stephen L., Webster, N. Y. Vehicle train lock. 2,630,698, Mar. 10.
Morrow, Walker C., Dearborn, Mich. Timing device. 2,628,469, Feb. 17.
Morrow, William J., Dayton, Ohio. Optical apparatus for measuring temperature. 2,652,743, Sept. 22.
Morsch, Jesse J., Douglas, Wyo. Balloon-inflating push toy. 2,636,315, Apr. 28.
Morse, Angus J.: *See*—
Carlson, John A., Bathrick, and Morse.
Morse Boulger Destructor Company, assignee: *See*—
Hennig, Charles.
Morse Chain Company, assignee: *See*—
Cherry, Ralph E.
Riopelle, Earl F.
Riopelle, Earl F., and Hein.
Morse, Earl P., Wollaston, and F. Fornaro, North Quincy, Mass. Pivoted sheet metal flanging hand tool. 2,660,909, Dec. 1.
Morse, John F., Hudson, Ohio. End connection for push-pull cables. 2,643,146, June 23.
Morse, John W., Glastonbury, S. P. Miles, Wethersfield, and R. A. Bell, Yalesville, Conn., assignors, by mesne assignments, to Titeflex, Inc., Newark, N. J. Engine control system for automotive vehicles. 2,649,908, Aug. 25.
Morse, Philip W.: *See*—
Hiehle, Michael E., and Morse.
Revercomb, Henry E., and Morse.
Morse, Ted B., Evanston, Ill., and J. F. Yeager, Cochituate, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna sector scan control. 2,648,038, Aug. 4.
Morse, Willard B.: *See*—
Mitchell, Edward, and Morse.
Morser, Welton L., Merced, Calif. Reflective marker. 2,625,130, Jan. 13.
Morseth, Harry, Everett, Wash. Scabbard. 2,650,008, Aug. 25.
Mortensen, Dale E.: *See*—
Matson, Theodore C., Riewerts, and Mortensen.
Mortensen, Robert N.: *See*—
Serley, Olaf R., and Mortensen.
Mortensen, Svend O., assignor to The Cromna Company, Copenhagen, Denmark. Self-adjusting wrench for nuts and like polygonal objects. 2,647,425, Aug. 4.
Mortenson, Everett N., assignor to Swift & Company, Chicago, Ill. Recovery of fatty acids. 2,645,651, July 14.
Mortenson, Everett N., assignor to Swift & Company, Chicago, Ill. Sewage treatment. 2,661,332, Dec. 1.
Mortimer, Edmund W.: *See*—
Fortune, Henry J., and Mortimer.
Mortimer, Edmund W., assignor to The Garrard Engineering & Manufacturing Company Limited, Swindon, England. Control means for phonographs. 2,640,705, June 2.
Mortimer, Edmund W., and E. W. Wilkins, assignors to The Garrard Engineering and Manufacturing Company Limited, Swindon, England. Phonographs and the like. 2,640,700, June 2.
Mortimer, Frank A., assignee: *See*—
Brown, Newman T.
Mortka, John, Brooklyn, N. Y. Wing mounting for helicopter-airplane. 2,661,168, Dec. 1.
Mortley, Wilfrid S., Great Baddow, Chelmsford, assignor to Marconi's Wireless Telegraph Company Limited, London, England. Piezoelectric crystal oscillator. 2,646,509, July 21.
Morton, Cecil J., Coventry, R. G. Riddle, Rugby, and T. H. Woodfield, Birmingham, England, assignors to General Electric Company. Frame structure for dynamoelectric machines. 2,632,861, Mar. 24.
Morton, Dudley J., assignor to Professional Research Products, Inc., New York, N. Y. Adjustable orthopedic insole. 2,662,309, Dec. 15.
Morton, E. L., assignee: *See*—
Martin, William F.
Morton, Evans T., assignor to Admiral Corporation, Chicago, Ill. Refrigerator door gasket. 2,636,228, Apr. 28.
Morton, Evans T., assignor to Admiral Corporation, Chicago, Ill. Refrigerator cabinet construction. 2,648,584, Aug. 11.
Morton, George A., and L. E. Flory, Princeton, and R. L. Snyder, Jr., Glassboro, N. J., assignors to Radio Corporation of America. Rate determining device. 2,658,670, Nov. 10.
Morton, George E., Wilkinsburg, Pa. Installation for reclaiming flue dust. 2,631,178, Mar. 10.
Morton, George E., North Royalton, assignor to Designers for Industry, Inc., Cleveland, Ohio. Circuit tuning device. 2,654,034, Sept. 29.
Morton, Henry E., assignor to Morton Manufacturing Company, Muskegon Heights, Mich. Portable milling machine. 2,660,096, Nov. 24.
Morton Manufacturing Company, assignee: *See*—
Morton, Henry E.
Motter, Charles S.
Morton, Robert B., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,659,097, Nov. 17.
Morton, Robert E.: *See*—
Goodhue, William V., and Morton.
Morton, Robert L., Jr., Clayton, and F. W. Bubb, Webster Groves, Mo. Amusement device. 2,638,967, May 19.
Morton, Rose H., New York, N. Y. Umbrella tip. 2,644,475, July 7.
Morton Salt Company, assignee: *See*—
Bowes, Leslie H.
Farnsworth, William H.
Reeves, Howard F., Jr.
Robison, Clinton S.
Morton, William P., assignor to Key Company, East St. Louis, Ill. Blow plate for core blowing machines. 2,636,230, Apr. 28.
Morway, Arnold J.: *See*—
Sparks, William J., Morway, and Young.
Morway, Arnold J., Clark Township, Union County, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Rust preventative composition. 2,629,666, Feb. 24.
Morway, Arnold J., Rahway, D. W. Young, Roselle, and D. L. Cottle, Highland Park, N. J., assignors to Standard Oil Development Company. Lubricating grease compositions. 2,642,397, June 16.
Morway, Arnold J., Rahway, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Oxo-bottoms base lubricating grease. 2,653,132, Sept. 22.
Mosca, Nestor T., Oakland, Calif. Centering gauge. 2,632,255, Mar. 24.
Mosch, Alfred, New York, N. Y. General utility compact. 2,630,212, Mar. 3.
Moseley, Alexander T., Dallas, Tex. Bur extractor for unginned or seed cotton. 2,639,467, May 26.
Moseley, Francis L., Osborn, Ohio, assignor to Collins Radio Company, Cedar Rapids, Iowa. Glide path control system. 2,663,520, Dec. 22.
Moseley, James T. W.: *See*—
Armstrong, James F., and Moseley.
Carlson, Harold A., and Moseley.
Moseley, James T. W., Richmond Heights, Mc Weed puller. 2,663,543, Dec. 22.
Moseley, James T. W., Clayton, and H. A. Carlson, University City, assignors to Carter Carburetor Corporation, St. Louis, Mo. Fuel supply device. 2,635,625, Apr. 21.
Moser, Eduard: *See*—
Schmid, Max, and Moser.
Moser, Eduard, Basel, Switzerland, assignor to Ciba Limited. Azo dyestuffs. 2,657,202, Oct. 27.
Moser, Edward F., Kane, Pa. Measuring apparatus. 2,654,955, Oct. 13.
Moseley, Ernst H., Detroit, Mich. Eyeglass mounting. 2,640,391, June 2.

Moser, Frank B., assignor to The National Cash Register Company, Dayton, Ohio. Transaction counter selection and control. 2,625,322, Jan. 13.
Moser, Frank T., Easton, Pa., assignor to Limpert Brothers, Incorporated, New York, N. Y. Dispensing nozzle. 2,651,270, Sept. 8.
Moser, Frank T., Easton, Pa. Nozzle for making packaged sundaes. 2,660,964, Dec. 1.
Moser, George H., assignor to O. J. Fry, Portland, Oreg. Sponge rubber brush. 2,637,871, May 12.
Moser, Otto, Bern, Switzerland, assignor to Autelca A. G., Guemligen. Device in prepayment coin boxes for generating coin-released electrical impulses. 2,646,866, July 28.
Moser, Otto, Berne, Switzerland. Electric current impulse transmitter. 2,651,676, Sept. 8.
Moser, Otto, Bern, Switzerland. Apparatus for the transmission of current pulse combinations, particularly for teletyping. 2,657,260, Oct. 27.
Moser, Paul, Clifton, N. J. Ventilated awning. 2,657,437, Nov. 3.
Moser, Robert C., assignor to B. C. Skinner, J. B. Skinner, R. C. Moser, B. L. Skinner, and A. E. Byrne, copartners doing business as Skinner-Moser Manufacturers, Dunedin, Fla. Hydraulic tappet. 2,645,215, July 14.
Moser, Rudolph J.: *See*—
Spurlino, Pascal, Kibler, Moser, and Wolf.
Moses, Edmund O., and J. H. Scarborough, N. Y. Hair curler. 2,645,232, July 14.
Moses, Josephine H.: *See*—
Moses, Edmund Q. and J. H.
Moses, Monte, Beverly Hills, and R. L. Peach, assignors to Rancho Granada Co., Inc., Los Angeles, Calif. Vacuum sealing machine for packages. 2,630,955, Mar. 10.
Moses, Robert C., Swampscott, Mass., assignor to Sylvania Electric Products Inc. Ratio detector. 2,653,230, Sept. 22.
Mosher, Edward, Detroit, Mich. Tube shield for spray guns. 2,647,793, Aug. 4.
Mosher, Edward G., Denver, Colo. Line making attachment for typewriters. 2,642,977, June 23.
Mosher, Ezra D.: *See*—
Johnson, Lloyd A., Mosher, and Stephens.
Mosher, Roland R., Jackson, Mich. Reversible turbine type fluid coupling. 2,658,345, Nov. 10.
Moshier, Edson G., and E. G. Hoysak, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Page end indicator for typewriters. 2,662,629, Dec. 15.
Mosier, Kenneth C.: *See*—
Norgren, Carl A., Mosier, Bowdey, and Metzger.
Mosier, Kenneth C., and G. K. Mead, assignors to C. A. Norgren Co., Denver, Colo. Pressure regulating valve. 2,650,456, Sept. 1.
Mosinee Paper Mills Company, assignee: *See*—
Crandall, Henry C.
Mosinskis, Vytautas S., Philadelphia, Pa., assignor to Piasecki Helicopter Corporation, Morton, Del. Blade pitch control mechanism. 2,658,576, Nov. 10.
Moskoff, Morris, New York, N. Y. Saw blade lubricator for handsaws. 2,625,188, Jan. 13.
Moskoff, Morris, Bronx, N. Y. Springless self-closing hinge for doors. 2,630,595, Mar. 10.
Mosley, John H.: *See*—
Rideout, Arthur E., Ardell, and Mosley.
Mosley, William D., El Paso, Tex. Trailer hitch structure. 2,643,891, June 30.
Moslo, Ernest P., Cleveland Heights, Ohio. Molding machine. 2,649,621, Aug. 25.
Moss, Abraham Z., Santa Monica, Calif. Shower bath utility. 2,647,797, Aug. 4.
Moss Bros., Ltd., assignee: *See*—
Moss, Donald.
Moss, Donald, assignor to Moss Bros., Ltd., Los Angeles, Calif. Character blocks for illuminated signs. 2,632,270, Mar. 24.
Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for checking parts in cylindrical articles. 2,627,664, Feb. 10.
Moss, Edna B., executrix: *See*—
Moss, Raymond H.
Moss, Henry V.: *See*—
Watts, Betty M., and Moss.
Moss, Jack N.: *See*—
Martin, Gustav J., Beiler, Avakian, and Moss.
Moss, Jacob S., assignor to Scott & Williams, Inc., Laconia, N. H. Take-up means for knitting machines. 2,636,364, Apr. 28.
Moss, Jacques L., Detroit, Mich. Side extension for cribs and the like. 2,625,694, Jan. 20.
Moss, John: *See*—
Britten, Leslie F., Jenkins, and Moss.
Moss, Raymond H., deceased, Freeport, Ill.; E. B. Moss, executrix. Material disintegrating and distributing machine. 2,645,500, July 14.
Moss, Samuel, and J. Dorski, Los Angeles, Calif. Mirror cleaning machine. 2,632,197, Mar. 24.
Moss, Sol, assignee: *See*—
Malnick, Mauray G.
Moss, T. J., Tie Company, assignee: *See*—
Pershall, Estes E.
Moss, William G., Gordon, Nebr. Building construction. 2,633,621, Apr. 7.
Mossberg, Ernest O.: *See*—
Swanson, Oscar W., and Mossberg.
Mossberg Pressed Steel Corporation, assignee: *See*—
Olson, Robert V.
Mosser, James K., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deicing apparatus. 2,663,993, Dec. 29.
Mosshart, Donald J., Ardmore, Pa., assignor, by mesne assignments, to Detroit Stoker Company. Stoker apparatus. 2,654,331, Oct. 6.
Mossman, Donald P., Sr., Joliet, Ill. Rural mailbox signal and nameplate attachment. 2,636,669, Apr. 28.
Mossman, William K.: *See*—
Dos Santos, Alfred, and Mossman.
Mosso, Angelo, and Vittorio Montanari, assignors to Fiat S. p. A., Turin, Italy. Resilient joint for transmission shafts of motor vehicles. 2,659,219, Nov. 17.
Mostertz, Franz C., Philadelphia, Pa. Thread cutting mechanism. 2,648,355, Aug. 11.
Mostertz, Franz C., Philadelphia, Pa. Device and method for weaving a spiral slide fastener to a narrow fabric simultaneously with the weaving of the fabric. 2,651,330, Sept. 8.
Motch, Edwin R., Jr.: *See*—
Romans, John F.
Rose, Howard E., Motch, and Baus.
Motch, Edwin R., Jr., Shaker Heights, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Stock feeding mechanism. 2,641,046, June 9.
Motch & Merryweather Machinery Company, The, assignee: *See*—
Motch, Edwin R., Jr.
Romans, John F., and Pockar.
Rose, Howard E., Motch, and Baus.
Rose, Howard E., and Sampson.
Moth-King Corporation, assignee: *See*—
Slatkin, Alfred D.
Moths, Raymond J., assignee: *See*—
Simpson, Eugene H.
Motis, Gilbert M., Northridge, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Artificial arm with stepped-up wrist drive and automatic wrist lock. 2,638,604, May 19.
Motley, Robert L., Dayton, Ohio. Ear protecting device. 2,624,051, Jan. 6.
Moto-Mower Company, The, assignee: *See*—
Blydenburgh, Harold L.
O'Maley, Claude V.
Motorola, Inc, assignee: *See*—
Anthony, Myron L., and Virkus.
Beck, Charles E.
Becwar, Rudolph A.
Budlane, Stanley J.
Doremus, John A., and Waterman.
Dyke, Edwin, and Hoffman.
Foringer, Edgar C.
Fyler, George W.
Fyler, George W., and Goldsmith.
Fyler, George W., and Kongable.
Fyler, George W., and Mattingly.
Horn, Harry J.
Hunt, J. Harold.
Larocco, Michael J.
Magnuski, Henry.
Massman, Albert W.
Mattingly, Lawrence J.
Mitchell, Donald H.
Parker, Norman W.
Race, William J.
Schlesinger, Kurt.
Taylor, Neil B.
Wallin, Gus W.
Winkler, Marion R.
Zarky, Bert.
Motor Products Corporation, assignee: *See*—
Eck, Floyd R.
Eck, Floyd R., and Chambers.
Kellogg, Homer G.
Mues, Harold S.
Robbins, Carl G.
Thomson, Robert W.
Whitmore, Harland W.
Motor Wheel Corporation, assignee: *See*—
Horn, Harry J.
Hunt, J. Harold.
Jones, Don F.
Miller, John W.
Miller, John W., and Hill.
Muench, Walter.
Mott, Carl W., La Grange Park, assignor to Elgin Sweeper Company, Elgin, Ill. Power sweeper broom assembly and weight compensating means therefor. 2,637,055, May 5.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Vehicle mounted hydraulic type power transmitting unit. 2,661,674, Dec. 8.
Mott, Lawrence F., Walton, Stone, assignor to H. M. Hobson Limited, London, England. Hydraulic pump. 2,653,543, Sept. 29.
Mott, Norman S., Westfield, assignor to The Cooper Alloy Foundry Co., Hillside, N. J. Hardenable stainless steel alloy. 2,635,044, Apr. 14.
Mott, Raymond A., Mead, Wash. Rotatable tool support having positive latch means. 2,653,634, Sept. 29.

Mott, Vernon L., Clinton, Mo. Coin-operated table tennis game apparatus. 2,632,546, Mar. 24.

Motta, Dominic P.: *See*—
Gillespie, Forest H., Franzen, and Motta.

Motter, Charles S., assignor to Morton Manufacturing Company, Chicago, Ill. Kitchen cabinet for corner use. 2,637,613, May 5.

Mottern, Henry O., Bloomfield, N. J., assignor to Standard Oil Development Company. Catalytic dehydrogenation of secondary alcohols to ketones. 2,633,475, Mar. 31.

Mottern, Henry O., Bloomfield, and W. N. Philo, Cranford, N. J., assignors to Standard Oil Development Company. Shaped catalyst for packed catalytic reactor. 2,644,800, July 7.

Mottet, Fernand M., Park, W. Va. Diamond holder attachment. 2,629,173, Feb. 24.

Mottu, André, Genthod-Bellevue, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Device for truing the grinding wheels of grinding machines. 2,663,292, Dec. 22.

Moubis, Gerard C. A. M.: *See*—
Klinkert, Leonard, Moubis, and Jonker.

Mougey, Wilbur E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Spirally applied, conductively-contacting cable armor. 2,662,931, Dec. 15.

Mougin, Robert A. P., Paris, France. Self-adjusting wheel brake. 2,662,617, Dec. 15.

Moulded Products, Inc., assignee: *See*—
Wenkstern, Russell L.

Moulden, John A.: *See*—
Johnston, Joseph M., Olsen, and Moulden.

Moulding, Thomas G., Toledo, Ohio. Casing and sealing means for horns or the like. 2,640,981, June 2.

Moule, Rex E., Holden, assignor to Norton Company, Worcester, Mass. Valve and pump for metering out material for capsulating machines and the like. 2,638,052, May 12.

Moule, Rex E., Holden, assignor to Norton Company, Worcester, Mass. Apparatus for casting ribbons of gelatin and the like. 2,643,416, June 30.

Moullec, Jean, Penhars près Quimper, France. Counter-beating device for threshing machines. 2,639,714, May 26.

Moult, Eric S.: *See*—
Halford, Frank B., and Moult.

Moulthrop, Benjamin L., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Treating hydrocarbons. 2,651,595, Sept. 8.

Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Solutions of tetraalkylsilicates. 2,634,215, Apr. 7.

Moulton, Joseph D., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Primary battery. 2,624,767, Jan. 6.

Moulton, Joseph D., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Storage battery. 2,634,303, Apr. 7.

Moulton, Joseph D., West Orange, E. F. Schweitzer, Bloomfield, N. J., and T. R. Briggs, Ithaca, N. Y., assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Alkaline storage battery with negative iron electrode. 2,644,022, June 30.

Moulton, Lloyd J., Mentor, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Spring clutch type coupling. 2,643,750, June 30.

Moulton, Lloyd J., Mentor, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Control mechanism. 2,650,580, Sept. 1.

Moulton, Lloyd J., Mentor, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Electromagnetically actuated control for servomechanisms. 2,653,579, Sept. 29.

Mounce, Henry C.: *See*—
Kruse, Harry J., and Mounce.

Mounce, Whitman D., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pulsed sound system. 2,648,837, Aug. 11.

Mount, Donald L., Memphis, Mo. Power transmission. 2,634,628, Apr. 14.

Mount, George W., Greenfield, Mass. Expanding jaw pliers for removing clips from coil spring assemblies and the like. 2,643,565, June 30.

Mount Sinai Hospital Research Foundation, Inc., assignee: *See*—
Sobotka, Harry.

Mount Vernon Implement Co., Inc., assignee: *See*—
Schafer, Norman I., and Lesk.

Mountjoy, Garrard, Canandaigua, N. Y., assignor to Stromberg-Carlson Company. Dual purpose carrier wave receiver. 2,650,265, Aug. 25.

Mountjoy, Garrard, Canandaigua, and C. R. Schafer, Walworth, N. Y., assignors to Stromberg-Carlson Company. Tone control system. 2,626,991, Jan. 27.

Mouron, B. Deleray, assignee: *See*—
Sherwood, Robert C., Cunningham, Walgamott, and Urban.

Moussalli, Alexis J. M., A. Soubiran, and P. Chabrier, Paris, France. Iodomethylate compounds of the dimethyl xanthine series. 2,641,598, June 9.

Mousset, André, La Chaux-de-Fonds, Switzerland. Lubricating device for the loopers of sewing machines. 2,659,331, Nov. 17.

Mouton, René-Jacques F. D. R., Uccle, assignor to Soudometal Societe Anonyme, Forest-lez-Bruxelles, Belgium. Arc welding electrode. 2,664,488, Dec. 29.

Mouw, Andrew, Huntington Woods, assignor to No-Sag Spring Company, Warren Township, Mich. Jack spring having spaced loops of different diameters. 2,633,902, Apr. 7.

Mouzon, James C.: *See*—
Wannamaker, William H., Jr., and Mouzon.

Mouzon, James C., Chevy Chase, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring apparatus. 2,659,848, Nov. 17.

Mouzon, James C., Wyndmoor, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,642,530, June 16.

Mover, Hyman, deceased, Marblehead, Mass., R. C. Mover, M. Kahn, and S. H. Rubin, executors, assignors to Bunny Bear, Inc., Everett, Mass. Baby's bath seat. 2,645,781, July 21.

Mowbray, Douglas T., Waterloo, Iowa. Liquid soap dispenser. 2,628,744, Feb. 17.

Mowbray, Douglas T., Waterloo, Iowa. Liquid soap dispenser. 2,652,952, Sept. 22.

Mowe, Lester M., M. V., and M. L., Astoria, Oreg. Dirt leveler attachment for dump trucks. 2,662,313, Dec. 15.

Mowe, Melvin L.: *See*—
Mowe, Lester M., M. V., and M. L.

Mowe, Mildred V.: *See*—
Mowe, Lester M., M. V., and M. L.

Mower, William W., Los Altos, Calif., assignor, by mesne assignments, to Merck & Co., Inc., Rahway, N. J. Manufacture of magnesium products. 2,630,371, Mar. 3.

Mowers, Guilford H., Fargo, N. Dak. Clamp retainer. 2,657,372, Oct. 27.

Mowry, David T.: *See*—
Hedrick, Ross M., and Mowry.
Schlesinger, Arthur H., and Mowry.
Seymour, Raymond B., and Mowry.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Treating plants with 4,5 dichloro-3-pyridazones. 2,628,181, Feb. 10.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,624,664, Jan. 6.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Trichloroethylidene cyanoacetic acid allyl ester and process. 2,624,751, Jan. 6.

Mowry, David T., and R. M. Hedrick, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Fertilizing compositions. 2,625,471, Jan. 13.

Mowry, David T., Dayton, Ohio, and N. R. Piesbergen, Collinsville, Ill., assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal compositions. 2,628,163, Feb. 10.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Polyhalogenated esters. 2,628,164, Feb. 10.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal compositions. 2,634,201, Apr. 7.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal composition. 2,634,203, Apr. 7.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Organic thiocyanate herbicides. 2,642,353, June 16

Mowry, David T., and R. M. Hedrick, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Conditioning agricultural soil and growing plants therein. 2,651,886, Sept. 15.

Mowry, David T., and R. M. Hedrick, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,652,323, Sept. 15.

Mowry, David T., and E. L. Ringwald, Dayton, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Quaternary salts. 2,653,166, Sept. 22.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Allyl furfurylidenecyanoacetate herbicide. 2,653,866, Sept. 29.

Mowry, David T., and E. L. Ringwald, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. N-exo-dihydrodicyclopentadienylacrylamide. 2,653,975, Sept. 29.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicidal composition. 2,661,275, Dec. 1.

Mowry, David T., and A. H. Schlesinger, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Herbicides. 2,661,277, Dec. 1.

Moye, James H., Waycross, Ga. Gasoline cap signal. 2,642,831, June 23.

Moyer, C. L., Company, assignee: *See*—
Moyer, Charles L.
Roessl, Carl A., and Fendius.

Moyer, Charles L., deceased, Chicago, Ill., by C. S. Bassett, executor, assignor to C. L. Moyer Company, Chicago, Ill. Feed mechanism for book trimming machines. 2,627,966, Feb. 10.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge and Iron Company. Ladder for floating roof tanks. 2,625,314, Jan. 13.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Sealing member. 2,634,017, Apr. 7.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Hose drain for floating roof tanks. 2,643,023, June 23.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Floating roof. 2,648,457, Aug. 11.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal hanger for floating roof tanks. 2,649,985, Aug. 25.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Drain. 2,657,821, Nov. 3.

Moyer, Gerald F., and W. H. Mitchell, Marshalltown, Iowa. Machine for splitting hogs, beef, and the like. 2,634,457, Apr. 14.

Moyer, Joseph, assignor to The Hoover Company, North Canton, Ohio. Illuminated electric iron. 2,624,832, Jan. 6.

Moyer, Maurice L., Akron, Ohio. Poultry feeder. 2,636,475, Apr. 28.

Moyer, Oscar E., assignor to Universal Manufacturing Corp., Zelienople, Pa. Elevator safety device. 2,629,461, Feb. 24.

Moyer, Ralph A.: *See*—
Moyer, William G. and R. A.

Moyer, Richard C.: *See*—
Rysdon, Max L., and Moyer.

Moyer, Robert M.: *See*—
Leggett, Joseph H., and Moyer.

Moyer, Stanley H.: *See*—
Osborne, Russell E., and Moyer.

Moyer, W. A., & Sons, assignee: *See*—
Moyer, William G. and R. A.

Moyer, William G. and R. A., assignors to W. A. Moyer & Sons, Parkers Landing, Pa. Level vial. 2,627,121, Feb. 3.

Moyer, William G. and R. A., assignors to W. A. Moyer & Sons, Parkers Landings, Pa. Level vial. 2,627,122, Feb. 3.

Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. Bis(2-hydroxy-d-methylbenzyl)benzenes. 2,634,297, Apr. 7.

Moyle, Clarence L., Clare, and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. 3-alkyl-2,2′-dihydroxy-3′, 5, 5′-trihalodiphenylmethanes. 2,630,458, Mar. 3.

Moynahan Bronze Co., assignee: *See*—
Cudini, Roger G.
Patton, John W., and Cudini.

Moynihan, John J., Chicago, Ill., assignor to Stavineer Corporation. Conveyer belt. 2,658,607, Nov. 10.

Moyroud, Louis: *See*—
Higonnet, René, and Moyroud.

Moyroud, Louis M.: *See*—
Gréa, René, Higonnet, and Moyroud.

Mozal, William H.: *See*—
Nardulli, Michael J.

Mozel, Joe, Portland, Oreg. Coin controlled ball teeing machine. 2,639,919, May 26.

Mucher, George J., Rochester, assignor to Clarostat Mfg. Co., Inc., Dover, N. H. Switch. 2,642,506, June 16.

Mucher, George J., Rochester, assignor to Clarostat Mfg. Co., Inc., Dover, N. H. Control. 2,650,270, Aug. 25.

Mucher, George J., Rochester, assignor to Clarostat Mfg. Co., Inc., Dover, N. H. Ion trap. 2,663,815, Dec. 22.

Muchmore, Richard W.: *See*—
Fowle, John M., and Muchmore.

Muchmore, Robert B., Hawthorne, Calif., assignor to The Sperry Corporation. Coaxial line connector. 2,652,544, Sept. 15.

Muchmore, Robert B., Hempstead, N. Y., assignor to The Sperry Corporation. High-frequency phase shifting apparatus. 2,630,492, Mar. 3.

Muchy, Louis, assignor to General Motors Corporation, Detroit, Mich. Method of and apparatus for attaching clinch nuts to sheet metal members. 2,652,942, Sept. 22

Muckle, Dean G., Portland, Oreg. Rain shield and drain device. 2,635,918, Apr. 21.

Mudd, Ralph L., Jr., Maplewood Park, Ill. Electric swivel plug. 2,654,869, Oct. 6.

Mudersbach, Ernst H., Heidelberg, Germany, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., trustees. Oil circulation device. 2,658,584, Nov. 10.

Mudie, Charles E.: *See*—
Thomson, Hugh M., and Mudie.

Muecke, Edward, Linden, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper throwout mechanism. 2,630,088, Mar. 3.

Muehlbauer, Fritz, Ludwigshafen (Rhine), Germany. Production of dyestuffs of the phthalocyanine series. 2,648,672, Aug. 11.

Muehlbauer, Fritz, Ludwigshafen (Rhine), Germany. Cobalt phthalocyanine-acetic acid and chlorinated derivatives thereof. 2,648,674, Aug. 11.

Muehling, Anthony A., Detroit, assignor to Mid-West Abrasive Company, Owosso, Mich. Honing tool with gauge. 2,631,414, Mar. 17.

Muehling, Anthony A., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Web pleating and cutting machine. 2,631,508, Mar. 17.

Mueller, Arthur C., Des Plaines, assignor to Bell & Howell Company, Chicago, Ill. Photographic and view finder lens turret coupling for photographic cameras. 2,653,528, Sept. 29.

Mueller Brass Company, assignee: *See*—
Gifford, Charles E., and Howse.

Mueller, C. F., Co., assignee: *See*—
Autenrieth, Ferdinand.
Birdsall, James E.

Mueller, Carl H.: *See*—
Fox, Alexander P., and Mueller.

Mueller, Charles W., St. Louis, and T. D. Taylor, University City, Mo., assignors to Lewis Invisible Stitch Machine Company. Node former adjusting means for blind stitch sewing machines. 2,632,416, Mar. 24.

Mueller Co., assignee: *See*—
Bowan, Walter J., and Gould.
Mueller, Frank H.
Mueller, Frank H., and Bowan.
Mueller, Frank H., and Lowe.
Mueller, Frank H., and Smith.
Mueller, Frank H., and Tinker.
Mueller, Lucien W. and F. H., and Cline.
Mueller, Lucien W., and Tratzik.
Mueller, Robert H., and Cline.
Smith, John J.
Tinker, Earl E.
Tratzik, Frederick.

Mueller, Delbert L.: *See*—
Tschabold, Gottfried L., and Mueller.

Mueller, Edward C., Spencerville, Ohio. Storm window. 2,637,879, May 12.

Mueller, Emil G., Churchill Borough, assignor to The American Brake Company, Swissvale, Pa. Brake mechanism. 2,633,935, Apr. 7.

Mueller, Emil G., Churchill, assignor to The American Brake Company, Swissvale, Pa. Brake mechanism. 2,659,456, Nov. 17.

Mueller, Ervin H., Grosse Pointe, Mich. Valve for controlling gas. 2,627,417, Feb. 3.

Mueller, Ervin H., Grosse Pointe, Mich. Valve for controlling flow of gas for a burner and its pilot. 2,633,933, Apr. 7.

Mueller, Frank H.: *See*—
Mueller, Lucien W., F. H., and Cline.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Fluid pressure regulator. 2,628,454, Feb. 17.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Angle valve with diagonal O-ring seal. 2,631,002, Mar. 10.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Valve. 2,653,791, Sept. 29.

Mueller, Frank H., assignor to Mueller Co., Decatur, Ill. Line stopper shell cutter. 2,662,428, Dec. 15.

Mueller, Frank H., and E. W. Lowe, assignors to Mueller Co., Decatur, Ill. Lubricated valve plunger. 2,631,812, Mar. 17.

Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Replacement T or fitting. 2,641,491, June 9.

Mueller, Frank H., and E. E. Tinker, assignors to Mueller Co., Decatur, Ill. Temperature responsive relief valve for fluid heating systems. 2,642,229, June 16.

Mueller, Frank H., and W. J. Bowan, assignors to Mueller Co., Decatur, Ill. Valve structure. 2,642,257, June 16.

Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Drilling machine. 2,646,699, July 28.

Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Pipe line stopper. 2,650,620, Sept. 1.

Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Drilling machine. 2,651,222, Sept. 8.

Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Stopper for large pipe lines. 2,664,262, Dec. 29.

Mueller, Frederick W., assignor to West Bend Aluminum Co., West Bend, Wis. Teakettle having toggle acting spout cap. 2,638,253, May 12.

Mueller, Fritz W. H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Process of hardening gelatino silver halide emulsions. 2,629,659, Feb. 24.

Mueller, George E., Columbus, Ohio, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency amplifier. 2,661,441, Dec. 1.

Mueller, Henry J.: *See*—
Daley, Edward A., Mueller, and Bracy.

Mueller, Herman G., Erie, assignor, by mesne assignments, to Skinner Engine Co., Pittsburgh, Pa. Valve operating mechanism for controlling the steam events in steam engines. 2,630 788, Mar. 10.

Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Bicycle handle bar fork. 2,656,202, Oct. 20.

Mueller, John H., Kansas City, Mo. Packaged power sprayer. 2,625,431, Jan. 13.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,629,583, Feb. 24.

Mueller, Lucien W., and F. H., Decatur, Ill., and E. E. Cline, Chattanooga, Tenn., assignors to Mueller Co., Decatur, Ill. Chatter preventing device for valves. 2,626,629, Jan. 27.

Mueller, Lucien W., and F. Tratzik, assignors to Mueller Co., Decatur, Ill. Axially movable valve plug. 2,634,946, Apr. 14.

Mueller, Lucien W., and F. Tratzik, assignors to Mueller Co., Decatur, Ill. Unseating structure for rotary plug valves. 2,643,089, June 23.

Mueller, Otto, Dearborn, Mich. Force applying tool. 2,641,942, June 16.

Mueller, Paul M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Speed control for rotary motors. 2,646,813, July 28.

Mueller, Paul M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Speed governor for fluid operated rotary motors. 2,646,814, July 28.

Mueller, Robert A., and R. L. Crain, assignors to Gray Tool Company, Houston, Tex. Oil well hanger. 2,624,413, Jan. 6.

Mueller, Robert A., and R. L. Crain, assignors to Gray Tool Company, Houston, Tex. Valve with removable seat. 2,654,563, Oct. 6.

Mueller, Robert H., and E. E. Cline, assignors to Mueller Co., Decatur, Ill. Main valve for fire hydrants. 2,630,823, Mar. 10.

Mueller, Robert K., Newton, Mass., assignor to Research Corporation, New York, N. Y. Dynamo transformer. 2,630,561, Mar. 3.

Mueller, Siegfried, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Device for inserting pliable grommets. 2,657,818, Nov. 3.

Mueller, Vern, assignee: *See*—
Herrman, Harry W.

Mueller, Walter, Clifton, N. J. Hosiery. 2,629,241, Feb. 24.

Mueller, Walter W., Douglaston, N. Y. Ligature for musical instruments. 2,648,246, Aug. 11.

Mueller, Wesley J., and I. R. Smith, assignors to Sterling Wheelbarrow Company, Milwaukee, Wis. Dump cart. 2,664,310, Dec. 29.

Mueller, William A., and A. R. and R. B. West, Decatur, Ill. Spray rig supporting frame for farm tractors. 2,647,794, Aug. 4.

Mueller, William G., F. H. Cherepow, and A. Bartes, Jr., Neenah, and K. Klause, Appleton, assignors to Marathon Corporation, Rothschild, Wis. Evacuating and heat-sealing packages. 2,634,562, Apr. 14.

Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Fiber preparation device. 2,662,821, Dec. 15.

Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Fountain pen construction. 2,629,362, Feb. 24.

Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Diamond holder with gauging means. 2,632,433, Mar. 24.

Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Sine-bar construction. 2,635,346, Apr. 21.

Muench, Walter, assignor to Walter Muench, Incorporated, Newark, N. J. Dressing fixture for contouring grinding wheels. 2,642,059, June 16.

Muench, Walter, Incorporated, assignee: *See*—
Muench, Walter.

Mues, Harold S., assignor to Motor Products Corporation, Detroit, Mich. Filling equipment for identification badges. 2,664,195, Dec. 29.

Muessig, Clifford W.: *See*—
Cohen, Charles A., and Muessig.

Muffley, Leo W., Palmyra, assignor of one-third to C. L. Davis, Perry, Mo. Watch balance and staff. 2,648,188, Aug. 11.

Muffly, Glenn, Springfield, Ohio. Multitemperature refrigerating system. 2,641,109, June 9.

Muffly, Glenn, Springfield, Ohio. Refrigerator-cabinet defrosting. 2,641,112, June 9.

Muffly, Glenn, Springfield, Ohio. Room cooling and heating system. 2,654,227, Oct. 6.

Muffly, Glenn, Springfield, Ohio. Method of and apparatus for automatic ice-making. 2,656,689, Oct. 27.

Muffly, Glenn, Springfield, Ohio. Aircraft control. 2,663,518, Dec. 22.

Mugford, Ronald, Hartford, Conn. Snap-on split nut. 2,664,023, Dec. 29.

Muggleton, Gerald D., Appleton, assignor to Combined Locks Paper Co., Combined Locks, Wis. Apparatus for coating paper. 2,645,201, July 14.

Mugler, Charles M., North Hollywood, Calif. Folding table and means for detachably connecting the same to a support. 2,650,146, Aug. 25.

Muirhead, Alan G., Pittsworth, Queensland, Australia. Basin-forming attachment for disk plows. 2,632,986, Mar. 31.

Muise, Herbert D.: *See*—
Keiser, George W., Jr., Muise, and Miller.

Mulavey, James E., assignor to The Detroit Edison Company, Detroit, Mich. Instrument for determining ratio and polarity of transformers. 2,657,356, Oct. 27.

Mulcahy, Harry W., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway draft riggings. 2,639,044, May 19.

Mulcahy, Harry W., assignor to W. H. Miner, Inc., Chicago, Ill. Friction snubber for railway car truck springs. 2,641,463, June 9.

Mulcahy, Harry W., assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorbing mechanism. 2,664,288, Dec. 29.

Mulcahy, Hugh, Beaver, Pa. Pitcher's control target with automatic ball return. 2,657,058, Oct. 27.

Mulcey, Paul A., Dallas, J. W. Eckerd, Shavertown, and E. I. Small, Scranton, assignors to Anthracite Equipment Corporation, Wilkes-Barre, Pa. Crossfeed mechanism. 2,641,369, June 9.

Mulder, Allan C., assignor to Miller Electric Manufacturing Co., Appleton, Wis. Variable current welding transformer. 2,644,109, June 30.

Mulder, Raymond G., Chicago, Ill. Game scoring device and ash tray. 2,627,374, Feb. 3.

Muldoon, James N., assignee: *See*—
Harris, George S., Jr.

Muldoon, William J., Garden City, N. Y., assignor to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Vibratory reed signaling device. 2,634,378, Apr. 7.

Muldowney, Joseph P.: *See*—
Stone, Eliot, Sparke, and Muldowney.

Mulfinger, Rudolph C., Sioux City, Iowa, assignor to Andis Clipper Company, Racine, Wis. Lather mixing machine. 2,624,617, Jan. 6.

Mulhern, Marvin J., and C. E. Rettig, Schenectady, N. Y., assignor to General Electric Company. Electric valve excitation and control circuit. 2,657,337, Oct. 27.

Mulholland, Frank J., Newburgh, N. Y. Antiskid device. 2,638,953, May 19.

Mulkey, Loyd, assignee: *See*—
Cohun, Homer H.

Mulkey, Nora L., assignee: *See*—
Cohun, Homer H.

Mull, Arthur B.: *See*—
Fisher, Norman A., and Mull.

Mull, Robert P.: *See*—
Huebner, Charles F., Mizzoni, Mull, and Scholz.
Marsh, William S., Mayer, Mull, Scholz, and Townley.

Mullan, Daniel, Hillside, and H. Bauer, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Machine for turning fluorescent lamps and other elongated devices end for end. 2,661,101, Dec. 1.

Mullan, Joseph, Baltimore, Md. Ejecting key container. 2,625,814, Jan. 20.

Mullaney, Ralph A., Chicago, Ill., assignor to Zenith Radio Corporation. Record storing and ejecting mechanism for phonographs. 2,652,257, Sept. 15.

Mullarkey, Alfred J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Gas discharge tube counting arrangement. 2,626,751, Jan. 27.

Mullen, Edward, assignor to Mechanical Handling Systems Inc., Detroit, Mich. Tank trailer. 2,626,813, Jan. 27.

Mullen, Edward, assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Automatically adjusting power-operated tire and rim assembling apparatus. 2,661,053, Dec. 1.

Mullen, Florence, Mount Vernon, N. Y. Hairline protector. 2,640,198, June 2.

Mullen, James W., II, and J. B. Fenn, assignors to Experiment Incorporated, Richmond, Va. Ram jet burner with aqueous injection to promote smooth burning. 2,648,196, Aug. 11.

Muller, Alfred: *See*—
Bowden, Andrew T., Muller, Kolb, Hryniszak, and Zadnick.

Muller, Caroline A., Minneapolis, Minn. Chest binder. 2,662,522, Dec. 15.

Muller, Egon N., Esch/Alzette, Luxemburg. Cathode-ray system. 2,630,548, Mar. 3.

Müller, Ferdinand H., Roseland, and P. E. Johnson, Verona, assignors to Specialties Development Corporation, Belleville, N. J. Reinforced rubber structure and method of treating nylon yarn for use in making same. 2,645,266, July 14.

Muller, Frank G., La Porte, Tex. Butterfly valve assembly with continuous annular sealing means. 2,657,896, Nov. 3.

Muller, Frans G. D., La Porte, Tex. Gauge hatch. 2,630,242, Mar. 3.

Müller, Franz, Bensberg-Refrath, assignor to Klöckner-Humboldt-Deutz A. G., Koln (Rhine), Germany. Apparatus for heating fine-grained material, particularly cement raw material. 2,663,561, Dec. 22.

Müller, Franz, Refrath, and L. H. Winners, Koln-Kalk, assignors to Klockner-Humboldt-Deutz Aktiengesellschaft, Koln, Germany. Heating apparatus for processing fine-granular material. 2,648,532, Aug. 11.

Müller, Franz, Bensberg-Refrath, and L. H. Winners, Koln-Kalk, assignors to Klöckner-Humboldt-Deutz A. G., Koln (Rhine), Germany. Heat processing of fine-grained material, particularly cement raw material. 2,663,560, Dec. 22.

Muller, Frederic A., Coppet, Switzerland, and R. Saffores, Paris, France, assignors to Carbonisation et Exploitations Forestières S. A. (C. E. F.), Geneva, Switzerland. Preparation of white zinc oxide, starting from carbonated zinc ores. 2,639,975, May 26.

Muller, Frederick L.: *See*—
Mintz, Jacob J., and Muller.

Müller, Heinrich, Nurnberg, Germany. Toy vehicle. 2,659,179, Nov. 17.

Muller, Hendrik L., Eindhoven, Netherlands, and W. K. Bouwman, Harmon-on-Hudson, assignors to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Hot-gas engine fuel control. 2,657,527, Nov. 3.

Muller, Herman E., Sr., Swissvale, Pa., assignor to United States Steel Corporation. Control system for billet marking. 2,646,746, July 28.

Muller, Johan A., Cuyahoga Falls, assignor to Adamson United Company, Akron, Ohio. Curved side plate hydraulic press. 2,654,310, Oct. 6.

Müller, Josef, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Arrangement and construction of gasoline tanks. 2,660,348, Nov. 24.

Muller, Jules, assignor to E. W. Bliss Company, Detroit, Mich. Power-operated press device. 2,633,094, Mar. 31.

Muller, Julius F.: *See*—
Howard, Hartley W., and Muller.

Muller Machinery Company, Inc., assignee: *See*—
Bjornstad, Thor.

Muller, Martha: *See*—
Lindner, Edward, and Muller.

Muller, Otto, Bronx, N. Y. Radiant heater. 2,636,973, Apr. 28.

Muller, Otto, Southbridge, Mass. Rotary cutter with variable spacing means. 2,637,395, May 5.

Muller, Robert M.: *See*—
Osterberg, Harold, Muller, and Luneburg.

Muller, Robert M., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Telecentric objective. 2,625,856, Jan. 20.

Muller, Siegfried A.: *See*—
McCormick, Jerry R. D., and Muller.

Müller, Theodor, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Rotary pump and motor hydraulic transmission. 2,639,586, May 26.

Müller, Werner, Bernau-Sud, Germany, assignor to Siemens & Halske, Aktiengesellschaft. Electronic discharge tube with current-traversed grid supports. 2,644,086, June 30.

Müller-Strobel, Josef, Zurich, Switzerland, assignor to The West Company, Inc., Phoenixville, Pa. Capping head. 2,643,805, June 30.

Müller-Strobel, Joseph: *See*—
De Stadelhofen, Jean M., Müller-Strobel, Patry, and Strub.

Mullgardt, Alexander S.: *See*—
Sherman, Roger M., Mullgardt, and Gray.

Mullgardt, Alexander S., Altadena, Calif. Propeller. 2,627,928, Feb. 10.

Mulligan, Lily: *See*—
Coppock, Philip D., Mulligan, McComble and White.

Mullin, David W., Valley Stream, assignor to Sun Chemical Corporation, Long Island City, N. Y. Textile coloring emulsions. 2,631,985, Mar. 17.

Mullinax, Charles F.: *See*—
Bates, Arthur H., Jr., Bobo, Mullinax, and Macomson.

Mullinix, Gird E., South Gate, assignor to Byron Jackson Co., Los Angeles, Calif. Power unit for a well pipe slip assembly. 2,638,316, May 12.

Mullins, Elwood H., Washington, D. C. Ultrahigh impedance electrometer tube voltmeter. 2,644,136, June 30.

Mullins, Herbert G., Park Ridge, Ill. Knife cradle. 2,651,927, Sept. 15.

Mullins, James H., assignor of one-third to S. A. Budner and one-third to R. Hauser, Westport, Conn. Wheel stopping device. 2,661,817, Dec. 8.

Mullins, Joseph F.: *See*—
Stevens, Rollin E., Lakin, and Mullins.

Mullins Manufacturing Corporation, assignee: *See*—
Benson, John H.
Smith, Harold O.
Stanitz, Jacques.

Mullins, William D., Jr.: *See*—
Tauscher, Vernon A., Mullins, Jackson, and Lyon.

Mullins, William D., Jr., Downey, C. K. West, Santa Monica, J. M. Slater, Inglewood, and G. S. Perkins, Altadena, Calif., assignors to North American Aviation, Inc. Antenna mount. 2,654,031, Sept. 29.

Mullins, William O., Montgomery, Ala., assignor to Wittichen Chemical Company. Cleaning filter sand beds. 2,648,440, Aug. 11.

Mullis, Maxwell H.: *See*—
Loy, Cyril W., and Mullis.

Mullison, Wendell R., assignor to The Dow Chemical Company, Midland, Mich. Method and composition for the control of undesired vegetation. 2,656,265, Oct. 20.

Mulnix, Ersel C., Highland Park, Ill. Carton. 2,638,262, May 12.

Mulno, Lester F., assignor to Harrington & Richardson Arms Co., Worcester, Mass. Magazine release and extractor. 2,636,302, Apr. 28.

Mulrane, Thomas J., Jersey City, N. J. Color chart. 2,629,185, Feb. 24.

Multhauf, Hugo J.: *See*—
Hagen, Otto B., and Multhauf.

Multicolor Gravure Corp., assignee: *See*—
King, William H.

Multi-Meter Corporation, assignee: *See*—
Williams, William D., and Binley.

Multi Ring Brake Drum Corporation, assignee:
De Yo, Arthur C.
Strohm, Oscar W.

Multiscope, Inc., assignee: *See*—
Masek, Walter F.

Multi-Shingle Corporation, assignee: *See*—
Patterson, Robert.

Mul-T-Typer Corporation, assignee: *See*—
McEwen, Norman S.

Mulvany, Harry A. and R. B., Berkeley, Calif
stat. 2,649,523, Aug. 18.

Mulvany, Richard B.: *See*—
Mulvany, Harry A., and R. B.

Mulvihill, James G., assignor to David A. Freer
ration, Chicago, Ill. Flatwork feeder truck.
Apr. 21.

Mumma, Harold J., Riverside, Calif., assigno
Machinery and Chemical Corporation.
2,625,885, Jan. 20.

Mumma, Harold J., Riverside, Calif., assigno
Machinery and Chemical Corporation. Frui
rotor. 2,631,535, Mar. 17.

Mumma, Jerry R., Mineral Wells, Tex. Water
2,637,819, May 5.

Mumma, Robert E., assignor to The National Ca
Company, Dayton, Ohio. Electronic ac
2,625,326, Jan. 13.

Mumper, James E., assignor, by mesne assig
Clevite Corporation, Cleveland, Ohio. Piezo
vice. 2,661,432, Dec. 1.

Munch, Carsten J., Bronx, N. Y. Burglary and
2,661,394, Dec. 1.

Munch, Louis E., Reisterstown, Md., assigno
Saffell. Condiment drier. 2,645,542, July 1

Munck af Rosenschöld, John R., Saltsjobaden,
Aktiebolaget Atlas Diesel, Sickla, near
Sweden. Compressor plant. 2,646,204, Jul

Munck af Rosenschöld, John R., Saltsjobaden,
Aktiebolaget Atlas Diesel, Sickla, near
Sweden. Compressor plant. 2,646,205, July

Munck, Leslie S., assignor to Creed and Compar
Croydon, England. Control of driving moto
printers. 2,649,497, Aug. 18.

Muncy, William S., Providence, R. I. Ophthal
ing. 2,640,390, June 2.

Mund, Arthur: *See*—
Forman, Sol, Ramer and Mund.

Munday, John C., Cranford, and D. T. Roger
N. J., assignors to Standard Oil Development
Polyester pour depressants. 2,655,479, Oct

Munday, Kenneth J. D., Boston, Mass.
2,640,937, June 2.

Munday, Richard B., Altadena, and R. D. Con
Calif. Apparatus for irrigation. 2,626,482,

Mundell, Clyde S., Carmichaels, Pa. Average
device. 2,656,100, Oct. 20.

Munden, Alick R.: *See*—
Alckin, Robert G., and Munden.

Mundo, Louis J., Chicago, Ill. Sectional brush
2,645,802, July 21.

Mundy, Michael L., North Bend, Nebr. Level
device for house trailers. 2,660,804, Dec. 1

Mundy, Otto S.: *See*—
Fielding, Melvin, and Mundy.

Munford, Theodore W., Ottawa Hills, assignor
Combustion Corporation, Toledo, Ohio. C
heat-treating furnace and gas generator.
Mar. 3.

Mungall, William: *See*—
Nierenberg, Richard N., and Mungall.

Muniz, James, Key West, Fla. Bottle holder
carts. 2,633,278, Mar. 31.

Munro, George R., Massapequa, assignor to Wa
ment Company, New York, N. Y. Vibration
isolator. 2,660,386, Nov. 24.

Munro, Gordon, Boston, assignor to Murray &
Inc., Quincy, Mass. Cargo carrier. 2,627,3

Munro, Robert, Sunningdale, England. Hermetic
shaft coupling. 2,627,753, Feb. 10.

Munro-Van Helms Company, assignee: *See*—
Boosey, Lawrence N.

Munschauer, Frederick E., assignor to Niagara
Tool Works, Buffalo, N. Y. Fluid and sprin
clutch. 2,639,014, May 19.

Munschauer, Frederick E., assignor to Niagara
Tool Works, Buffalo, N. Y. Fluid operat
2,639,795, May 26.

Munschauer, Frederick E., assignor to Niagar
& Tool Works, Buffalo, N. Y. Adjustable guid
knives. 2,645,287, July 14.

Munsingwear, Inc., assignee: *See*—
Anderson, Carroll R.
Chatfield, Franklin.
Rutledge, George E.

Munson, Alma D., Austin, Tex. Combination
table. 2,636,647, Apr. 28.

Munson, Donald J., Anderson, Ind. Valve con
2,630,138, Mar. 3.

Munson, Donald J., Anderson, Ind. Accelerator holding means. 2,638,016, May 12.
Munson, Ralph H., St. Paul, Minn. Spray nozzle. 2,629,632, Feb. 24.
Munson, Richard G., and G. M. La Pointe, assignors to W. M. Steele Company, Incorporated, Worcester, Mass. Method of and apparatus for heat treatment of filamentary material. 2,624,934, Jan. 13.
Munson, Whitney K., assignee: *See*—
Condon, John C.
Munster, Allen C.: *See*—
Sunstein, David E., and Munster.
Munster, Allen C., assignor to Philco Corporation, Philadelphia, Pa. Delay controlled pulse generator. 2,650,357, Aug. 25.
Muntz, Clarence L.: *See*—
Merritt, Glenn W., and Muntz.
Muntz, George, Jr., Port Washington, N. Y. High-frequency dielectric heating apparatus. 2,624,830, Jan. 6.
Munz, Jarosiav, and J. Tichopad, Toronto, Ontario, Canada. Automatic vending machine. 2,650,149, Aug. 25.
Munz, Jarosiav, and J. Tichopad, assignors to Vend-O-Matic Limited, Toronto, Ontario, Canada. Automatic vending machine. 2,661,827, Dec. 8.
Mural, Frank, Drexel Hill, Pa., assignor to Radio Corporation of America. Simplified electrically steerable antenna. 2,664,507, Dec. 29.
Muraszew, Alexander, assignor to C. A. V. Limited, London, England. Liquid fuel injection pump for internal-combustion engines. 2,640,420, June 2.
Murbach, Edward C.: *See*—
Miner, Floyd E., and Murbach.
Murch, Charles S., Augusta, Maine. Adjustable door jamb for storm and screen doors. 2,626,433, Jan. 27.
Murchison, Bessie F., assignee: *See*—
Murchison, Blackwell K.
Murchison, Blackwell K., assignor, by mesne assignments, to B. F. Murchison, Brooklyn, N. Y. Grinder with meshing teeth for knives, etc. 2,646,653, July 28.
Murdoch, Charles A., New York, N. Y. Spray manifold for washing machines. 2,630,813 Mar. 10.
Murdoch, John P., Ardmore, Pa. Method and apparatus for husking corn employing an air blast. 2,628,621, Feb. 17.
Murdoch, John P., and A. J. Faulhaber, Ardmore, Pa. Universal packaging machine. 2,639,567, May 26.
Murdoch, John P., and A. J. Faulhaber, Ardmore, Pa. Article handling machine. 2,656,656, Oct. 27.
Murdoch, Louis R., and B. E. Cueny, Grand Rapids, Mich. Partition system. 2,636,224, Apr. 28.
Murdock, Benjamin, Brooklyn, N. Y. Girdle construction. 2,632,165, Mar. 24.
Murdock, Joseph K., Cincinnati, and E. Le Roy, St. Bernard, assignors to The Murdock Mfg. & Supply Company, Cincinnati, Ohio. Water service fixture. 2,630,130, Mar. 3.
Murdock, Joseph K., Cincinnati, and E. Le Roy, St. Bernard, Ohio, and H. F. Oswald, Dayton, Ky., assignors to The Murdock Mfg. & Supply Company, Cincinnati, Ohio. Water service fixture. 2,664,096, Dec. 29.
Murdock, Lawrence C., Liverpool, N. Y., assignor to General Electric Company. Sweep linearity control circuit. 2,659,837, Nov. 17.
Murdock Mfg. & Supply Company, The, assignee: *See*—
Murdock, Joseph K., and Le Roy.
Murdock, Joseph K., Le Roy and Oswald.
Murdock, Orrice L., Kensington, Md. Cleaning device. 2,657,413, Nov. 3.
Murdock, Paul F., Clinton, assignor to Pratt Read & Co., Inc., Ivoryton, Conn. Piano action. 2,637,238, May 5.
Mureau, Charles A., Van Nuys, Calif. Make-up applicator. 2,631,321, Mar. 17.
Mureau, Charles A., Van Nuys, Calif. Make-up holder and applicator. 2,653,339, Sept 29.
Murino, Matthew, New York, N. Y. Presser foot gauge. 2,647,480, Aug. 4.
Muris, Franz: *See*—
Seidenfaden, Wilhelm, and Muris.
Murlin Manufacturing Co., assignee: *See*—
Lindsay, Donald E.
Muros, Joseph, Cambridge, Mass., assignor to The Gillette Company. Refill unit for blade magazines. 2,639,030, May 19.
Muros, Joseph, Newtonville, Mass., assignor to The Gillette Company. Blade dispensing magazine with feed slide. 2,624,453, Jan. 6.
Muros, Joseph, Newtonville, assignor to The Gillette Company, Boston, Mass. Blade-dispensing magazine. 2,625,260, Jan. 13.
Muros, Joseph, Newtonville, assignor to The Gillette Company, Boston, Mass. Quick-opening razor. 2,644,229, July 7.
Muros, Joseph, Newtonville, Mass., assignor to The Gillette Company. Blade dispensing package. 2,664,192, Dec. 29.
Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Electrical resistivity dip meter. 2,655,632, Oct. 13.
Murphy, Arthur J., assignor of one-half to S. L. Atkins, New York, N. Y. Ice cream dispensing machine. 2,638,064, May 12.
Murphy Automatic Pinsetter Company, Inc., assignee: *See*—
Anderson, Frank W.
Murphy, Bernard J., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Resilient vehicle suspension. 2,654,614, Oct. 6.
Murphy, Charles E. M., Bellerose, N. Y. Foot exerciser. 2,638,089, May 12.
Murphy, Clauast R., Amarillo, assignor of one-half to L. Murphy, Plainview, Tex. Expansible elevator plug. 2,624,610, Jan. 6.
Murphy, Clayton L., Sr.: *See*—
Hippen, Ralph W., and Murphy.
Murphy, Daniel, New Castle, Pa. Pump apparatus. 2,628,745, Feb. 17.
Murphy, Daniel, New Castle, Pa. Pump. 2,655,869, Oct. 20.
Murphy, Daniel, New Castle, Pa. Seal. 2,658,775, Nov. 10.
Murphy, David M., Mason City, Iowa. Adjustable lamp carrier. 2,629,813, Feb. 24.
Murphy, Donald F., assignor to Bendix Aviation Corporation, Baltimore, Md. High altitude pressure responsive capsule. 2,652,859, Sept. 22.
Murphy, Donald F., assignor to Bendix Aviation Corporation, Baltimore, Md. Pressure responsive switch. 2,658,120, Nov. 3.
Murphy, Dorothy, Kent, Conn. Mixing and dispensing device. 2,625,430, Jan. 13.
Murphy, Emanuel, Logansport, Ind. Water trough. 2,625,289, Jan. 13.
Murphy, Eugene E., Chicago, Ill. Settable printing means in accounting machines. 2,647,459, Aug. 4.
Murphy, Francis X. *See*—
Jarowski, Charles I., and Murphy.
Murphy, Frank M., Chicago, Ill. Testing device for irons. 2,638,775, May 19.
Murphy, Galen E., Perryton, Tex. Legging with a metal frame. 2,640,281, June 2.
Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Full-length dome or double-deck railway car with normal-height end doors. 2,633,090, Mar. 31.
Murphy, Harry S., Buffalo, N. Y. Forced air flow air-heating furnace. 2,660,160, Nov. 24.
Murphy, Horace G., Cambridge, Md. Plow-conveyer-thrower combination type ditching machine. 2,651,123, Sept. 8.
Murphy, Howard: *See*—
Mergen, Joseph M., and Murphy.
Murphy, Howard H., Walpole, Mass. Golf club. 2,628,099, Feb. 10.
Murphy, Howard J., Lynnfield, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut retainer device. 2,635,666, Apr. 21.
Murphy, Howard J., Lynnfield, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Blind nut retaining device. 2,635,667, Apr. 21.
Murphy, Howard J., Lynnfield, Mass. Racing game device. 2,641,472, June 9.
Murphy, Hugh, Lambertville, N. J. Wrench having leaf spring jaw. 2,655,065, Oct. 13.
Murphy, John H., Gadsden, Ala. Spraying apparatus. 2,634,165, Apr. 7.
Murphy, John J., Pelham, J. M. Gaines, Buffalo, and E. L. McCandless, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Flame process. 2,633,332, Mar. 31.
Murphy, John N., Springfield, Ill. Mechanism to transfer automobiles. 2,652,938, Sept. 22.
Murphy, John T.: *See*—
Hansen, Harold V., and Murphy.
Murphy, John T., Brownsville, Tenn., assignor to Harry Ferguson, Inc., Detroit, Mich. Planter unit. 2,656,951, Oct. 27.
Murphy, Joseph F., West Roxbury, assignor to Lumitype Corporation, Roxbury, Mass. Body type assembly device. 2,627,794, Feb. 10.
Murphy, Joseph F., West Roxbury, assignor to Lumitype Corporation, Roxbury, Mass. Body type assembly outfit. 2,627,795, Feb. 10.
Murphy, Joseph F., West Roxbury, assignor to Lumitype Corporation, Roxbury, Mass. Apparatus for producing type proof and photoprints thereof. 2,638,040, May 12.
Murphy, Lee, assignee: *See*—
Murphy, Clauast R.
Murphy, Norman B.: *See*—
Noxon, Paul A., MacCallum, and Murphy.
Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Cam released pin clutch. 2,634,841, Apr. 14.
Murphy, Norman B., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Hydraulic servo system. 2,640,370, June 2.
Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic steering system. 2,659,554, Nov. 17.
Murphy, Paul B.: *See*—
Carpenter, Warren W., and Murphy.
Murphy, Paul M., Schenectady, N. Y. Orienting mechanism for magnetic detector devices. 2,632,884, Mar. 24.
Murphy, Peter J., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Dispensing closure. 2,625,306, Jan. 13.
Murphy, Raymond J., and E. H. Smith, Brooklyn, N. Y. Centrifugal pump with center intake. 2,643,615, June 30.

Murphy, Stephen J., assignor of one-sixth to E. L. Cattey, Torrington, Conn. Ball projector. 2,642,058, June 16.
Murphy, Thomas W.: *See*—
Carroll, James M., and Murphy.
Murphy, Walter L., assignor to DeRaef Corporation, Kansas City, Mo. Continuous ice-cream freezer and method of making ice cream. 2,651,186, Sept. 8.
Murphy, William H., Chicago, Ill. Convertible chair. 2,646,107, July 21.
Murphy, William H., Chicago, Ill. Pivot for chair arms or the like. 2,661,227, Dec. 1.
Murphy, William P., Jr., Brookline, assignor to Fenwal Laboratories, Inc., Ashland, Mass. Spring scale. 2,649,299, Aug. 18.
Murr, Charles H., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of War. Telescope reticle adjustment. 2,627,659, Feb. 10.
Murr, Thomas F., assignor to National Cylinder Gas Company, Chicago, Ill. Torch cutting machine. 2,631,028, Mar. 10.
Murray, Alan E., New York, N. Y. Keyboard instrument control. 2,636,413, Apr. 28.
Murray, Alan E., New York, N. Y. Making embossed article and product thereof. 2,652,352, Sept. 15.
Murray, Alan E., New York, N. Y. Illuminating means for musical score supporting devices. 2,662,164, Dec. 8.
Murray, Alan E., New York, N. Y. Making shoes. 2,663,887, Dec. 29.
Murray, Albert L., Auburn, Ind. Making shoe soles. 2,653,111, Sept. 22.
Murray, Alec: *See*—
Stead, Ernest, Murray, and Burtonshaw.
Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Photothermography, printing sheet, and printing ink therefor. 2,629,671, Feb. 24.
Murray, Alfred S.: *See*—
Palmgren, Per G., and Murray.
Murray, Atla I., Dayton, Ky. Release for motion-picture camera mechanism. 2,650,501, Sept. 1.
Murray, Aubrey S., Elizabethton, Tenn. Hydraulic fluid motor lift mechanism. 2,636,348, Apr. 28.
Murray, Charles L., Waco, Tex. Power-operated sectional invalid bed. 2,631,300, Mar. 17.
Murray, Christopher A., Nederland, Tex., assignor to Pure Oil Company, Chicago, Ill. Removal of carbonaceous deposits from process equipment. 2,643,205, June 23.
Murray Company of Texas, Inc., The, assignee: *See*—
Day, Dewey D.
Murray, Corinne M., Yerba Buena Island, Calif. Protective garment with trough means. 2,640,197, June 2.
Murray Corporation of America, The, assignee: *See*—
Clark, Kendall.
Gould, Byron C.
Mills, Herbert E.
Rhodes, Eugene E., and Scholtz.
Shapter, Robert D.
Wolofski, Nicholas.
Murray, D. J., Manufacturing Co., assignee: *See*—
Eklund, Henrik J., and Miller.
Murray, Fred, Butler, Pa. Dump gate. 2,661,875, Dec. 8.
Murray, Frederick R.: *See*—
Greatrex, Ferdinand B. and Murray.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. Steroids. 2,649,400, Aug. 18.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. Steroids. 2,649,402, Aug. 18.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. 11α-hydroxy-4-androstene-3,17-dione. 2,656,370, Oct. 20.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. 11-keto-17 alpha-progesterone. 2,659,741, Nov. 17.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. 11 alpha, 17 alpha, 21-trihydroxypregnane-3,20-dione. 2,659,743, Nov. 17.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. 17-alpha-hydroxy-4-pregnene-3,6,20-trione and process. 2,660,585, Nov. 24.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. 11-alpha-hydroxy-17-alpha-methyltestosterones and esters thereof. 2,660,586, Nov. 24.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. 8-hydroxy-4-androstene-3,17-dione. 2,660,587, Nov. 24.
Murray, Herbert C., Hickory Corners, and D. H. Peterson, assignors to The Upjohn Company, Kalamazoo, Mich. 14 alpha - hydroxy - androstene - diones and process. 2,662,089, Dec. 8.
Murray, Ian, Vancouver, British Columbia, Canada. Fire-arm cocking mechanism. 2,659,276, Nov. 17.
Murray, Jerome L., Stamford, Conn., assignor to Pollard & Johnston, New York, N. Y. Mixer and processor for home use and the like. 2,655,354, Oct. 13.
Murray, John F.: *See*—
Smith, Frederick E., and Murray.
Thoren, Theodore R., Aspelin, and Murray.
Murray, John F., Macedonia, and J. C. Osborne, Cleveland Heights, assignors to Thompson Products, Inc. Cleveland, Ohio. High-pressure pump. 2,649,740, Aug 25.
Murray, Joseph J., Jr., assignor to Varo Mfg. Co., Inc. Garland, Tex. Mechanical vibrating device. 2,628,343 Feb. 10.
Murray, Joseph J., Jr., Garland, Tex. Electric translating apparatus. 2,643,358, June 23.
Murray, Leo M.: *See*—
Parker, Allen J., and Murray.
Murray, Linwood A., Jr.: *See*—
Uhlig, Edwin C., and Murray.
Murray, Luther T., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for the continuous extrusion of decorative thermoplastic sheets. 2,632,204, Mar. 24.
Murray Manufacturing Corporation, assignee: *See*—
Laverty, Martin.
Rypinski, Albert B.
Murray, Maxton F.: *See*—
Ott, Arnold C., and Murray.
Murray, Michael F., Eureka, Calif., assignor of fifty-one per cent to G. W. Pierce, Eugene, Oreg. Sound producing emergency brake indicating attachment for vehicles. 2,636,468, Apr. 28.
Murray, Michael F., Eureka, Calif. Tree felling apparatus including a prime mover-dynamo power plant. 2,655,960, Oct. 20.
Murray, Michael F., assignor of one-half to E. A. and L. M. Laksonen, Springfield, and one-twentieth to M. D. Agate, Eugene, Oreg. Doll. 2,635,882, Apr. 21.
Murray Ohio Manufacturing Company, The, assignee: *See*—
Douglas, Alvin P.
Douglas, Alvin P., and Walters.
Kraeft, Herman L.
Murray, Otis W., Burbank, Calif., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mordanting. 2,635,536, Apr. 21.
Murray, Robert: *See*—
Herald, William J., and Murray.
Murray, Richard P., Joplin, Mo. Dice shaking device. 2,639,153, May 19.
Murray, Royce L., W. H. McCure, and E. W. Garrison, Jr., assignors to USCO Power Equipment Corp., Birmingham, Ala. High-voltage fuse. 2,660,644, Nov. 24.
Murray, Thomas L., Orange, N. J. Folding sectional top utility table. 2,654,647, Oct. 6.
Murray & Tregurtha, Inc., assignee: *See*—
Munro, Gordon.
Murray, William S., Utica, and J. R. Dyer, Jr., Whitesboro, assignors to The Indium Corporation of America, Utica, N. Y. Motor fuel additive. 2,628,895, Feb. 17.
Murrill, James H., assignor to Aro Equipment Corporation, Bryan, Ohio. Power-operated socket wrench. 2,636,410 Apr. 28.
Murtagh, James J.: *See*—
Kinker, Clarence C., and Murtagh.
Murvall, Ake E., assignor to Aktiebolaget Urfabriken, Svangsta, Sweden. Fishing reel. 2,652,991, Sept. 22.
Musacchia, Frank J.: *See*—
Duhaime, Edward J.
Musante, Augustine F. S., Media, assignor to Sun Oil Company, Philadelphia, Pa. Wind direction recorder. 2,643,932, June 30.
Muschamp, Harold L., Bramhall, and J. R. Grady, Cheadle Hulme, England, said Grady assignor to said Muschamp. Pirn winder or the like. 2,651,472, Sept. 8.
Muse, Kenneth L., Hagerstown, Md., assignor to Westinghouse Air Brake Company. Apparatus for controlling highway crossing signals. 2,664,499, Dec. 29.
Musebeck, George E., assignor to Musebeck Shoe Company, Oconomowoc, Wis. Composite innersole construction. 2,641,069, June 9.
Musebeck Shoe Company, assignee: *See*—
Musebeck, George E.
Musgrave, Christine, St. Charles, Mo. Knee pad for infants. 2,650,362, Sept. 1.
Musgrove, Edward H., and R. E. Moore, Denver, Colo. Resistance-reducing device for bridged circuits. 2,627,581, Feb. 3.
Muslal, John A., Chicago, Ill. Tripod. 2,633,319, Mar. 31.
Musicast, Inc., assignee: *See*—
Tomberlin, William M., MacKenzie, and Bennett.
Musil Josef, assignor to Maschinefabrik Heid Aktiengesellschaft, Vienna, Austria. Apparatus for the selection of seeds or similar material. 2,650,704, Sept. 1.
Musilli, Louis C., Detroit, Mich. Shock absorbing device. 2,655,369, Oct. 13.
Musk, Henry A., Glen Burnie, and J. G. Hammond, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Antenna tuning control for radio transmitters. 2,653,223, Sept. 22.
Muskat, Irving E., Plainfield, N. J., assignor to Marc Chemicals, Inc. Production of resin bonded fibrous articles. 2,631,955, Mar. 17.
Muskat, Morris, Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Electrical calculator for solving phase equilibrium problems. 2,630,968, Mar. 10.

Muskegon Piston Ring Company, assignee: *See*—
Hamm, Douglas W.
Smith, Gaylord E.

Muskin, Nathan, Omaha, Nebr. Dispensing container with displaceable bottom. 2,649,995, Aug. 25.

Muss, Daniel R., and L. P. Hunter, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Semiconductor device. 2,627,545, Feb. 3.

Musschoot, Albert, Park Ridge, Ill., and C. M. Young, Jr., Philadelphia, Pa., assignors to Link-Belt Company. Vibrator for discharging hopper bottom containers. 2,624,479, Jan. 6.

Musschoot, Albert, Park Ridge, and R. F. Bergmann, Winnetka, Ill., and C. M. Young, Jr., Philadelphia, Pa., assignors to Link-Belt Company. Vibratory conveyer. 2,638,206, May 12.

Musschoot, Albert, Park Ridge, R. F. Bergmann, Winnetka, and C. M. Young, Jr., Chicago, Ill., assignors to Link-Belt Company. Drive arm assembly. 2,644,344, July 7.

Musselman, Alvin J., deceased, Santa Barbara, Calif.; County National Bank and Trust Company of Santa Barbara and M. M. Musselman, executors. Air chamber wheel. 2,624,387, Jan. 6.

Musselman, Elvin M., Lancaster, Pa. Baby walker with removable sling. 2,664,141, Dec. 29.

Musselman, Glenn H., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. System for synchronizing series of recurring pulse emissions. 2,646,510, July 21.

Musselman, Morris M., executor: *See*—
Musselman, Alvin J.

Musser, C. Walton: *See*—
Dietsch, Francis W., Musser, and Stott.

Musser, C. Walton, Philadelphia, and P. L. Fox, Media, Pa. Apparatus for perforating hollow cylindrical objects. 2,630,862, Mar. 10.

Musser, Clarence W., Philadelphia, Pa. Cable and housing connector. 2,656,203, Oct. 20.

Musser, Clarence W., Glenside, and A. Benditt, Philadelphia, Pa. Inflator for pneumatic lifesaving devices. 2,627,998, Feb. 10.

Mussgiller, Johann F. W., deceased, Erlangen, Germany, by Werner Lüttgens, administrator, assignor to Klebes & Co., Erlangen, Germany. Pencil sharpener. 2,642,044, June 16.

Musslewhite, Alton P. and J. W., Arp, Tex. Atmosphere-type emulsion treater. 2,626,007, Jan. 20.

Musslewhite, James W.: *See*—
Musslewhite, Alton P. and J. W.

Musso, Ferdinando P., Chicago, Ill. Safety razor. 2,632,242, Mar. 24.

Muster, Harold B.: *See*—
Allen, Edwin L., de Vito, and Muster.

Mustonen, Reino H.: *See*—
Leslie, Deltan L., and Mustonen.

Muszynski, Chester W., Unionville, Conn. Coaster for furniture legs. 2,649,611, Aug. 25.

Mutch, Gordon C.: *See*—
Wilkins, Richard A., and Mutch.

Mutchmor, James S.: *See*—
Phillips, Norman W. F., Hollingshead, and Mutchmor.

Muther, Adolph, Zurich, Switzerland. Emergency landing pitch control means on a helicopter rotor. 2,643,726, June 30.

Mutual Engineering Company, Inc., assignee: *See*—
Schrage, Frederick S.

Mutual Machine Company, assignee: *See*—
Cahill, John J.

Mutuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of paraffins. 2,662,103, Dec. 8.

Muzzey, Clifford L.: *See*—
Carson, Howard, and Muzzey.

Myer, Moses L., University City, Mo. Rail-fastening clip. 2,651,469, Sept. 8.

Myercord Co., The, assignee: *See*—
Poschel, Alfred B.

Myers, Albert F., Berkeley, assignor to Patent Developers, Inc., Detroit, Mich. Torque transmitting connection. 2,640,336, June 2.

Myers, Allen F., Kansas City, Mo., assignor to J. A. Stovall, Mountain Home, Ark. Mechanical impact tool. 2,630,852, Mar. 10.

Myers, Carmel, New York, N. Y. Hair drier. 2,662,303, Dec. 15.

Myers, Claude R., Gallen, L. F. Dasse, St. Joseph, and J. Bassett, Benton Harbor, assignors, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich. Actuator motor device for hydraulic brakes. 2,637,976, May 12.

Myers Dale D.: *See*—
Pribil, Richard F., Myers, and Schreiber.

Myers, David E., Shell Beach, Calif. Car and produce chilling system. 2,640,328, June 2.

Myers, David N., Shaker Heights, assignor to Byerlyte Corporation, Cleveland, Ohio. Asphaltic-composition application. 2,636,834, Apr. 28.

Myers, Donald R.: *See*—
Welsblat, David I., Hanze, Magerlein, Myers, and Rolfson.
Welsblat, David I., Magerlein, Myers, Rolfson, and Hanze.

Myers, E. A., & Sons, Inc., assignee: *See*—
Lybarger, Samuel F.

Myers, Edward C., Wilmette, Ill. Toric fluid displacement chamber and packing therefor. 2,657,538, Nov. 3.

Myers, Edwin A., Long Beach, assignor of one-half to H. G. McDonald, Pasadena, Calif. Bookmark. 2,631,560, Mar. 17.

Myers, Elman B., Pompton Plains, N. J. Reso-jet motor. 2,647,365, Aug. 4.

Myers, Gene R., Seattle, Wash., assignor to Boeing Airplane Company. Cable tension compensating and regulating apparatus. 2,661,631, Dec. 8.

Myers, Gordon S.: *See*—
Glen, William L., Myers, and Papineau-Couture.

Myers, Harold C.: *See*—
Dennis, Franklin L., King, and Myers.

Myers, Harold C., and A. O. Pukkila, Woodbury, and T. A. Petry, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incoporated. Separating wax from wax-oil mixtures. 2,645,597, July 14.

Myers, Harold C., and A. O. Pukkila, Woodbury, A. F. Houser, Brooklawn, and W. H. King, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separating wax from wax-oil mixtures. 2,645,598, July 14.

Myers, Harold C., and A. O. Pukkila, Woodbury, and J. I. Barnes, Mickleton, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Dewaxing oils containing wax. 2,645,600, July 14.

Myers, Harold C., and A. O. Pukkila, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Gravity dewaxing of wax-bearing hydrocarbon fractions. 2,658,854, Nov. 10.

Myers, Harold L., Morristown, N. J. Window display receptacle with folding easel. 2,624,455, Jan. 6.

Myers, Hubert A., North Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing and working plastic compounds. 2,641,800, June 16.

Myers, James B., Huntington, W. Va. Mold for frozen confections. 2,633,812, Apr. 7.

Myers, John G., assignor to Keller Tool Company, Grand Haven, Mich. Hoist hook assembly. 2,625,005, Jan. 13.

Myers, John H., assignor to Waldorf Paper Products Company, St. Paul, Minn. Garment hanger hook attaching device. 2,639,499, May 26.

Myers, John M., Del Norte, Colo. Trocar. 2,628,404, Feb. 17.

Myers, Mark, Shepherds Bush, London, England. Rotating amusement apparatus. 2,657,054, Oct. 27.

Myers, Robert C., Cambridge City, assignor to Perfect Circle Corporation, Hagerstown, Ind. Centrifugal casting apparatus. 2,657,440, Nov. 3.

Myers, Robert R., Jr., Des Moines, Iowa. Device for making curved electroplate shells. 2,637,689, May 5.

Myers, William H., Fort Wayne, Ind., assignor to Farnsworth Research Corporation. Phonograph spindle aperture reducer. 2,645,499, July 14.

Myers, William J.: *See*—
Matheny, Clella A., and Myers.

Myers, William P., Jr.: *See*—
McIlvaine, Douglas K., and Myers.

Myles, Asa H., Solon, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Limit control system for reversible motors. 2,636,156, Apr. 21.

Myre, Clifford R., assignee: *See*—
Robbins, William E.

Myre, Clifford R., Paynesville, Minn. Adjustable bed lamp. 2,640,998, June 9.

Myrick, George H., Rochester, Minn. Pinch clamp. 2,653,787, Sept. 29.

Myrick, George H., Rochester, Minn. Apparatus for breaking frangible suture tubes. 2,659,253, Nov. 17.

Mysels, Karol J., assignor of one-half to L. L. Salton, New York, N. Y. Adhesive tape dispenser. 2,652,115, Sept. 15.

Mytinger, Caroline, Monterey, Calif. Compartmented container. 2,650,630, Sept. 1.

NEA Service, Inc., assignee: *See*—
Nelson, Arthur E., and Stadtler.

N. F. B. Displacement Pump Co. Limited, assignee: *See*—
Brown, Norman F.

N. V. Amsterdamsche Chininefabriek, assignee: *See*—
Veldstra, Haaye.

N. V. Betonfabriek "De Meteoor," assignee: *See*—
Voslamber, Berend J.

N. V. "De Zilbervisch," assignee: *See*—
Bultelaar, François.

N. V. Octrooien Maatschappij "Activit," assignee: *See*—
Meijer, Hendrik W.

N. V. Optische Industrie "De Oude Delft," assignee: *See*—
Blaisse, Berndt S.

N. V. Organon, assignee: *See*—
Arens, Josef F., and van Dorp.

N. V. Raatbouw, assignee: *See*—
Leeuwrik, Matthijs E.

N. V. Vereenigde Tabaksindustrieen Mignot & De Block, assignee: *See*—
Van Buul, Everardus W. C.
Verbakel, Martinus.

Naab, August J., Passaic, N. J. Apparatus for removing barbs from the quills of feathers. 2,657,432, Nov. 3.

Naab, Gerard A.: *See*—
Medlar, Lewis A., and Naab.

Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Control valve. 2,633,288, Mar. 31.

Naaley Magen Limited, assignee: *See*—
Raphaeli, Chaim, and Minkov.

Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, assignee: *See*—
Lolkema, Jan.

Naamloze Vennootschap Maatschappij voor Kolenberwerking Stamicarbon, assignee: *See*—
Wright, Orrin H., Weaver, and Fitch.

Nabenhauer, Fred P.: *See*—
Craig, Paul N., and Nabenhauer.

Nabors, William C., Mansfield, La. Spring suspension for vehicle trailers. 2,655,388, Oct. 13.

Nachman, Jack M., assignor to Peerless Products, Inc., Kansas City, Mo. Window awning. 2,647,290, Aug. 4.

Nachod, Julius E., Jr., Newark, assignor to Hercules Powder Company, Wilmington, Del. Maleic acid manufacture. 2,638,481, May 12.

Nachtman, John S., Washington, D. C. Manganese alloy coating on ferrous base and preparation. 2,637,896, May 12.

Nadasdy, Henry H.: *See*—
Peterson, Vincent C., and Nadasdy.

Nadaу, Georges, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Reversible electronic counter. 2,662,692, Dec. 15.

Nadaу, Georges, and A. Perato, Paris, France, assignors to Compagnie Generale De Telegraphie Sans Fil. Frequency modulated radar system. 2,632,161, Mar. 17.

Nadeau, Gale F., and W. R. White, assignors to Eastman Kodak Company, Rochester, N. Y. Subbing cellulose ester sheet material and product thereof. 2,632,715, Mar. 24.

Nadeau, Gale F., and C. B. Starck, assignors to Eastman Kodak Company, Rochester, N. Y. Dimensionally stable cellulose ester lithographic printing plates. 2,635,962, Apr. 21.

Nadeau, John C., Detroit, Mich. Hypodermic syringe. 2,626,604, Jan. 27.

Nadell, George L., assignee: *See*—
Falkenhagen, John C.

Nadelson, Philip, Long Island City, N. Y. Smoking pipe. 2,637,327, May 5.

Nadler, Martin L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diarylguanidine vulcanization accelerators. 2,662,927, Dec. 15.

Nadolny, Clarence J., Bay City, Mich. Fish lure. 2,640,292, June 2.

Nafe, James E., Sr., Charleston, W. Va., and C. C. Christy, Pine Hill, N. J., said Christy assignor to said Nafe. Dual control attachment for automobiles. 2,647,414, Aug. 4.

Naftali, Esther: *See*—
Naftali, Rudolph and E.

Naftali, Rudolph and E., New Rochelle, N. Y. Combination collar and necktie. 2,645,777, July 21.

Nagel, Charles E., New York, N. Y. Self-locking setscrew. 2,637,361, May 5.

Nagel, Edward H., assignor to C. F. Norris, Long Beach, Calif. Doughnut cutter and former. 2,625,891, Jan. 20.

Nagel, Frank K., Bayville, N. Y. Mechanical toy whale. 2,648,935, Aug. 18.

Nagel, Gerhard R., assignor, by mesne assignements, to Eastman Kodak Company, Rochester, N. Y. Solenoid valve. 2,630,139, Mar. 3.

Nagle, Floyd B.: *See*—
Wehr, Henry W., and Nagle.

Nagle, Richard A., Mansfield, Ohio. Fishing rod support and signal. 2,631,400, Mar. 17.

Nagle, Wesley M.: *See*—
Burrows, Lawton A., Cavanaugh, and Nagle.

Nagy, Berthold, Brooklyn, N. Y. Bottle crown cap assembling machine gluing attachment. 2,654,341, Oct. 6.

Nagy, Rudolph, Upper Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lead activated calcium zinc silicate phosphor and making same. 2,628,944, Feb. 17.

Nagy, Rudolph, and R. W. Wollentin, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Zinc silicate phosphor. 2,656,320, Oct. 20.

Nagy, Steve J., and J. F. Klares, Cleveland, Ohio. Finger grip insert for bowling balls. 2,646,985, July 28.

Nahin, Paul G., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Oil-base drilling fluids. 2,637,692, May 5.

Nahman, Gustave, Englewood, N. J., assignor of one-half to H. E. Rubens, New York, N. Y. Making clothing from component parts of sheet material. 2,657,159, Oct. 27.

Nahmens, Donald R., Milwaukee, Wis. Pump motor controller. 2,651,996, Sept. 15.

Nail, James J., Basking Ridge, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Elliptically polarized antenna. 2,643,337, June 23.

Naillon, Jacob D., Oakland, Calif. Telescoping carrier for handling bricks and the like. 2,647,646, Aug. 4.

Nakasone, Robert T., Chicago, assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Motor control circuit. 2,664,531, Dec. 29.

Nakken Products and Development Co. Inc., assignee: *See*—
Nakken, Theodore H.

Nakken, Theodore H., New York, N. Y., assignor to Nakken Products and Development Co. Inc. Injector nozzle. 2,626,186, Jan. 20.

Nakken, Theodore H., New York, N. Y. Frequency division. 2,660,708, Nov. 24.

Nallinger, Friedrich K. H., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Engine part or casing. 2,653,586, Sept. 29.

Nallinger, Friedrich K. H., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Steering gear. 2,654,265, Oct. 6.

Nallinger, Friedrich K. H., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Operating mechanism for motor vehicles. 2,657,778, Nov. 3.

Nallinger, Friedrich K. H., Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Springing mechanism, especially for motor vehicles. 2,660,424, Nov. 24.

Names, Paul, Puyallup, Wash. Berry harvester. 2,652,923, Sept. 22.

Nameth, James F.: *See*—
Dutro, Orville V., and L. V. Dutro, and Nameth.
Dutro, Lyle V., and Nameth.
Dutro, Orville V., and Nameth.

Nampa, Sulo M., assignor to Evans Products Company, Detroit, Mich. Loading apparatus. 2,638,318, May 12.

Nancy Garment Company, assignee: *See*—
Miles, Maebyn L.

Nantt, John, Hebron, N. Dak. Gopher trap. 2,638,700, May 19.

Nantz, David S., Ashtabula, Ohio, assignor to National Distillers Products Corp. Generating sodium peroxide. 2,633,406, Mar. 31.

Nantz, John F., Washington, D. C. Massaging device. 2,638,090, May 12.

Naphtol-Chemie Offenbach, assignee: *See*—
Seidenfaden, Wilhelm, and Muris.

Napiecinski, Peter A., Wauwatosa, Wis. Ladder. 2,647,676, Aug. 4.

Napier, D., & Son Limited, assignee: *See*—
Barlow, Benjamin W., and Barnes.
Kinsella, John.
Kinsella, John, and Robertson.
Legg, George C. J., and Crook.
Legg, George C. J., and Mitchell.
Summons, Herbert.
Simonis, Edward A., and Heath.
Tryon, Henry C.

Napier, James D.: *See*—
Dodds, Robert B., Hibbs, and Napier.

Napier, Melvin J., assignor to Miami Boiler & Machine Company, Inc., Akron, Ohio. Means for determining screen size for well screens. 2,634,613, Apr. 14.

Napier, Melvin J., assignor to Miami Boiler & Machine Company, Inc., Akron, Ohio. Handling of materials and apparatus therefor. 2,636,284, Apr. 28.

Naples, Angelo F., assignee: *See*—
Nardulli, Michael J.

Naples, Angelo F., trustee, assignee: *See*—
Nardulli, Michael J.

Napoli, John, Monterey, Calif. Pump and turbine hydraulic drive. 2,655,001, Oct. 13.

Napolin, Seymour, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Apparatus for determining time intervals. 2,626,313, Jan. 20.

Napolitan, Loretta, administratrix: *See*—
Napolitan, Louis.

Napolitan, Louis, deceased, New York, N. Y.; Loretta Napolitan, administratrix. Mannikin's head hair structure. 2,645,057, July 14.

Nappi, Joseph, Brooklyn, N. Y., assignor to La Marquise Footwear, Inc. Shoe vamp construction. 2,641,067, June 9.

Naragon, Ernest A., Glenham, J. H. Vergilio, and A. J. Millendorf, Beacon, assignors to The Texas Company, New York, N. Y. Regenerating cobalt catalysts by oxidation. 2,626,246, Jan. 20.

Naras Research, Inc., assignee: *See*—
Schwartz, Nathan R.

Nardone, Romeo M., Teaneck, N. J. Automatic stapling machine. 2,650,360, Sept. 1.

Nardulli, Michael J., assignee: *See*—
Nardulli, Michael J.

Nardulli, Michael J., Elmwood Park, Ill., assignor to M. J. Nardulli, A. F. Naples, P. F. Nardulli, and W. H. Mozal, as trustees and known as "Western Engineering Trust." Latching device for storm windows. 2,629,466, Feb. 24.

Nardulli, Michael J., Elmwood Park, Ill., assignor to M. J. Nardulli, A. F. Naples, and P. F. Nardulli, as trustees, and known as Western Engineering Trust. Window structure. 2,651,083, Sept. 8.

Nardulli, Peter F., assignee: *See*—
Nardulli, Michael J.

Nardulli, Peter F., trustee, assignee: *See*—
Nardulli, Michael J.

Narmco, Inc., assignee: *See*—
Havens, Glenn G.
Narragon, Paul E., Fort Lauderdale, Fla. Pipe accessory. 2,633,137, Mar. 31.
Nash, Daniel J., assignor to Nash Inc., Jersey City, N. J. Closure for wallets or billfolds. 2,651,346, Sept. 8.
Nash, David D., executor, assignee: *See*—
Wilson, Frank C.
Wilson, Frank C., and Silliman.
Nash, Floyd M., Kensington, Calif., assignor to Jacuzzi Bros., Incorporated. Diaphragm-type aircharger. 2,647,466, Aug. 4.
Nash, Floyd M. and R. A., Bluefield, W. Va. Underground vehicle parking elevator. 2,627,942, Feb. 10.
Nash Inc., assignee: *See*—
Hatfield, Robert L.
Nash, Daniel J.
Nash, J. M., Company, assignee: *See*—
Lippold, Carl J.
Nash-Kelvinator Corporation, assignee: *See*—
Bjorksten, Johan, Fiedler, and Yaeger.
Davies, Herbert L.
Doeg, Ralph W.
Goodbar, Mayo A., and Pratt.
Kishline, Floyd F., and Phelps.
Ohmart, Grayston R.
Philipp, Lawrence A.
Puidokas, Stanley V.
Reindl, Francis H.
Sheridan, Eleanor G., Yaeger, and Bjorksten.
Slonneger, Bruce K.
Voight, Johnston S.
Wahlberg, Nils E.
Wahlberg, Nils E., and Hedstrom.
Wahlberg, Nils E., and Sladky.
Yaeger, Luther L.
Nash, Paul F., Glencoe, Ill., assignor, by mesne assignments, to E Z Paintr Corporation, Milwaukee, Wis. Applicator roller for liquids. 2,662,269, Dec. 15.
Nash, Roy A.: *See*—
Nash, Floyd M. and R. A.
Nashley, Alvin, New York, N. Y. Producing stretchable cloth having an elastomeric dam. 2,635,065, Apr. 14.
Nasmith, John I., and F. K. Daniels, assignors to Vickers-Armstrongs Limited, London, England. Definite position release clutch. 2,625,245, Jan. 13.
Nason, Harold A., Erie, Pa., assignor to General Electric Company. Heat transfer assembly. 2,625,378, Jan. 13.
Nason, Howard K., and M. L. Nielsen, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Fire-resistant resinous product and producing same. 2,661,341, Dec. 1.
Nass, Walter R., Nots China Lake, Calif., assignor to the United States of America as represented by the Secretary of the Army. Cartridge case containing propelling rocket igniting charge and rocket projectile. 2,644,364, July 7.
Nassau Distributing Co., Inc., assignee: *See*—
Futterknecht, Rudolf.
Nassau, Harry: *See*—
Moler, Garland W., and Nassau.
Nassimbene, Ernest, assignor to The Gates Rubber Company, Denver, Colo. Cog type V belt. 2,625,828, Jan. 20.
Nassour, Edward, Los Angeles, Calif. Camera control system for the sequential operation of cameras. 2,649,015, Aug. 18.
Nathan, Alan H.: *See*—
Hogg, John A., Korman, Reid, and Nathan.
Hogg, John A., Lyttle, and Nathan.
Hogg, John A., Reid, and Nathan.
Korman, Jerome, Reid, Nathan, and Hogg.
Nathan, Alan H., assignor to The Upjohn Company, Kalamazoo, Mich., 11-alpha-hydroxy-3,20-diketopregnanes. 2,647,135, July 28.
Nathan, Edward, assignor to Lectra Products Co., New York, N. Y. Knob and shaft connection. 2,643,903, June 30.
Nathan, Edward, assignor to Lectra Products Inc., New York, N. Y. Switch mounting. 2,651,281, Sept. 8.
Nathan Manufacturing Corp., assignee: *See*—
Erikson, Carl F.
Swanson, Robert E.
Nathan, Matthew L., Godalming, assignor to Power Jets (Research & Development) Limited, London, England. Combustion apparatus for an air stream and propulsive system. 2,637,974, May 12.
Nathan, Matthew L., Godalming, assignor to Power Jets (Research & Development) Limited, London, England. Gas turbine combustor having tangential air inlets for primary and secondary air. 2,638,745, May 19.
Nathanson, Max, Montreal, Quebec, Canada. Gaseous discharge tube lighting system. 2,629,072, Feb. 17.
National Acme Company, The, assignee: *See*—
Jeffrey, Max L.
National Airoil Burner Company, Incorporated, assignee: *See*—
Ferguson, William.
Straitz, John F.
National Aluminate Corporation, assignee: *See*—
Bird, Paul G.
Jacoby, Arthur L.
Johnson, Carl E.
Luvisi, George W.
Ryznar, John W., and Peich.
National Automotive Fibers, Inc., assignee: *See*—
Lind, Alvin C., and Zuhn.
National Autostitch Corporation, assignee: *See*—
Dugin, Leo J.
National Bank of Commerce, administrator: *See*—
Thuras, Albert L.
National Battery Company, assignee: *See*—
Maybach, Gerald E., and Snyder.
Rupp, John L.
Rupp, John L., Dickover, Willihnganz, and Snyder.
Snyder, Almond H.
National Blank Book Company, assignee: *See*—
Schade, Frank S.
National Biscuit Company, assignee: *See*—
Moore, George A.
National Brass Company, assignee: *See*—
Quigley, Herbert.
Quigley, Herbert, and Young.
Ter Meer, Herman.
Young, Herbert.
National Broach & Machine Company, assignee: *See*—
Bassoff, Arthur.
Praeg, Walter S.
National Camera Works, assignee: *See*—
Swinnerton, Gerald.
National Cash Register Company, The, assignee: *See*—
Brown, George T., Jr.
Brubaker, Damon P., and Woodley.
Buckey, Kenneth M., Koons, and Spurlino.
Christian, Raymond A., and Ganger.
Christian, Raymond A., Johnson, and Williams.
Christian, Raymond A., Strachan, and Williams.
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.
Davis, Chester, and Thacker.
Desch, Joseph R.
Dudis, Charles G.
Dudis, Charles G., and Du Bois.
Ferrin, Kenneth S.
Goldberg, Maximilian M.
Goodbar, Mayo A., Placke, and Falkner.
Goodbar, Mayo A., and Pratt.
Green, Barrett K.
Helgeson, Angus G.
Lambert, Harry L.
Levy, Sidney.
Loudon, Warren P.
MacPhee, Paul A., and Brown.
Moser, Frank B.
Mumma, Robert E.
Nelson, Gunnar.
Rench, Carl F.
Robinson, Robert R.
Sandberg, Robert W.
Sime, Maxwell E.
Slonneger, Bruce K.
Spurlino, Pascal, Kibler, Moser, and Wolf.
Steinhardt, David W.
Werner, Frank R.
Williams, Harry M., and Johnson.
Williams, Samuel B.
Winkler, Max.
National Company, Inc., assignee: *See*—
May, Richard W.
National Cotton Compress and Cotton Warehouse Association, assignee: *See*—
Tillinghast, Ray C.
National Cylinder Gas Company, assignee: *See*—
Bour, Robert C.
Candy, Albert M.
Chouinard, Alfred F.
Chouinard, Alfred F., and La Pota.
Christain, Donald C., and Reed.
Droste, Paul F., and Hill.
Eichelman, Francis J.
Eichelman, Frank J.
Girard, Dean C.
Murr, Thomas F.
Reed, Robert M.
Winkelman, Harvey E., and Hinger.
National Dairy Research Laboratories, Inc., assignee: *See*—
Spiess, Newton E., Jr., and Gropen.
Spiess, Newton E., Jr., Gropen, and Weaver.
Whitaker, Randall, and Herro.
National Die Casting Company, assignee: *See*—
Kline, Herbert J.
National Distillers Products Corporation, assignee: *See*—
Burgison, Raymond M., Forman, and Zink.
Nantz, Davis S.
Noll, Robert A., and Frampton.
Warren, Kenneth H.
National Drug Company, The, assignee: *See*—
Martin, Gustav J., Beller, Avakian, and Moss.
National Dryer Manufacturing Corporation, assignee: *See*—
Clemens, George S.

National Equipment Corporation, assignee: *See*—
Greenberg, Joseph, and Perkins.
National Folding Box Company, Inc., assignee: *See*—
Carruth, Herman A.
De Palma, Amedeo.
Isella, John J.
National Furniture Manufacturing Company, Inc., assignee: *See*—
Caldemeyer, Daniel F., and Quakenbush.
Quakenbush, Howard M.
National Gypsum Company, assignee: *See*—
Teale, Robert R.
National Inventions Corporation, assignee: *See*—
Skrotzki, Frederick H.
National Iron Company, assignee: *See*—
Ericson, Lewis C.
National Lead Company, assignee: *See*—
Blumenthal, Warren B.
Bode, Harold E.
Cole, Sandford S.
Coppen, John J.
Granade, Fred C., and Ruby.
Harrison, George.
Herman, Daniel F.
Kebrich, Leonard M., and Pitrot.
Maier, Herbert N.
Merker, Leon, and Lynd.
Miller, John B.
Mitchell, Lloyd I., and Meyer.
Oppegaard, Assur G.
Orsino, Joseph A.
Pickering, Theodore H., and Maier.
Powers, Dixon D.
Rowe, Lancelot W., and Smith.
Sprague, Owen F.
Stoddard, Carl K., and Wyatt.
Sullivan, William F., and Panik.
Urban, Stephen F., and Blumenthal.
Williams, Francis J., and Hendricks.
National Lock Co., assignee: *See*—
Burke, William O.
National Machinery Company, The, assignee: *See*—
Friedman, John H.
National Malleable and Steel Castings Company, assignee: *See*—
Buckius, Albert O.
Metzger, William J.
Spence, Hubert L.
Spence, Hubert L., and Willison.
Willison, Donald.
Willison, Donald, and Spence.
National Manufacturing Corporation, assignee: *See*—
Deves, Anthony, and Raduns.
National Marking Machine Company, The, assignee: *See*—
Keuper, William J.
National Motor Bearing Co., Inc., assignee: *See*—
Johnson, Lloyd A.
Johnson, Lloyd A., Helfrecht, and Stewart.
Johnson, Lloyd A., Mosher, and Stephens.
National Newark and Essex Banking Company of Newark, The, executor: *See*—
Bryce, James W., and Blakely.
National Oats Company, assignee: *See*—
Hanser, William F.
National Organ Supply Company, assignee: *See*—
Kugel, Harry H.
National Paper Bottle Co. Inc., assignee: *See*—
Wittkuhns, Bruno A., Nutting, and Hill.
National Paper Can & Tube Company, assignee: *See*—
Berenson, Henry J.
National Plastic Products Company, The, assignee: *See*—
Samler, Lee F.
Samler, Lee F., and Genovese.
National Plastics, Inc., assignee: *See*—
Van Deventer, Christopher, III.
National Pneumatic Company, assignee: *See*—
Koenig, Christian A., and Weigele.
National Pneumatic Co., Inc., assignee: *See*—
Anderson, Eric E.
Bassett, Cyrus W., Vander Veer, and Weigele.
National Pressure Cooker Company, assignee: *See*—
Buske, Gilbert E.
Haney, Thomas G.
Lind, Donald K.
Wittenberg, Edward H.
Wittenberg, Edward H., and Allen.
National Printing Ink Research Institute, assignee: *See*—
Zettlemoyer, Albert C., and Bernstein.
National Production Company, assignee: *See*—
Millen, James R.
National Publishing Company, assignee: *See*—
Bostwick, Wallace L.
Kennedy, John R.
Terry, Samuel M.
National Rejectors, Inc., assignee: *See*—
Anderson, John L.
National Research Corporation, assignee: *See*—
Chadsey, Earl E., Jr.
Godley, Philip, 2nd, and Clough.
Lawrance, Richard B.
Moore, James H.
National Research Council, assignee: *See*—
Chadsey, Earl E., Jr., Clough, and Godley.
Clegg, John E.
Fentonby, Joseph.
Gruenberg, Harry.
Smialowski, Antoni J.
Stevinson, Harry T.
Williams, Frederic C.
Williams, Frederic C., Robinson, and Kilburn.
National Research Development Corporation, assignee: *See*—
Cooke-Yarborough, Edmund H.
Gruenberg, Harry.
Mansfield, Wilfred P., and Cornish.
Mellen, Glenn L.
Newman, Edward A., Davies, and Braybrook.
Parker, Eric, Wallis, and Woroncow.
Philpot, John S.
Poole, Michael J.
Thomas, David G. A., and Cooke-Yarborough.
Todd, Alexander R., and Michelson.
Uttley, Albert M., Noble, Bannister and Ord.
Williams, Frederic C., and West.
Wolff, Heinz S., Story, and Behrens.
National Rubber Machinery Company, assignee: *See*—
Drew, John.
Lamb, Wade.
Magerkurth, Wilhelm A.
Mallory, Edwin E.
National Screw & Manufacturing Company, The, assignee: *See*—
Hodell, Frederick G.
Samuelson, David H.
National Smelting Company Limited, The, assignee: *See*—
Woods, Stephen E., and Perry.
National Standard Company, assignee: *See*—
Frazier, Larry C.
Wilkins, Charles H. T.
National Starch Products Inc., assignee: *See*—
Caldwell, Carlyle G., and Wurzburg.
Caldwell, Carlyle G., White, George, and Eberl.
Upton, Wilson V.
National Steel Corporation, assignee: *See*—
Berkebil, Lee R.
Buser, Joseph S.
Cover, Martin L.
Gullas, Joseph G.
Johnston, Samuel S., and Elswick.
Klein, Clarence J.
Kompart, Walter W.
Smith, Edwin J.
Spaulding, William D., and Wasserkrug.
Thelander, Adolph F.
Thompson, Thomas A.
Truesdale, Fredrick J.
Williams, Richard H.
National Store Fixture Co. Inc., assignee: *See*—
Bellin, Alvin J.
Turoff, Nicholas L.
National Supply Company, The, assignee: *See*—
Abraham, James G.
Cordrey, Richard N., and Wright.
Knox, Donald G.
Knox, Donald G., and Lawrence.
Long, Spencer W.
Picard, John B.
Spalding, John D.
Tait, Howard C.
Trishman, Lawrence E.
Wharton, Joseph B.
Young, Forrest J.
National Tank Company, assignee: *See*—
Glasgow, Clarence O.
Glasgow, Clarence O., and Maher.
Maher, Joseph L.
Walker, Jay P., and Glasgow.
National Tea Packing Company, Inc., assignee: *See*—
Irmscher, Hans O.
National Telephone Supply Company, The, assignee: *See*—
Klein, Charles H., and Porter.
National Union Radio Corporation, assignee: *See*—
Bekcers, Albert E.
Davenport, Edward J.
Reeves, Dougal B.
Skellett, Albert M.
National Video Corporation, assignee: *See*—
Glacchetti, Anacleto D.
Hayes, Melberne L.
Native Laces & Textiles, Incorporated, assignee: *See*—
McCusker, John H.
Naud, Clovis, Deschambault, Quebec, Canada. Rail fastening means. 2,645,427, July 14.
Naugler, Walter E., Beverly Mass. Flexible coupling. 2,630,692, Mar. 10.
Nauman, Helmut: *See*—
Noack, Walter, and Naumann.
Naumann, Erwin O. A.: *See*—
Neugebauer, Franz J., Berkner, and Naumann.
Naumann, Helmut, assignor to Voigtlander, A. G., Braunschweig, Germany. Device for exchangeable objectives of photographic cameras. 2,660,527, Nov. 24.

Naumann, Kurt F., Stony Creek Mills, assignor to Rosedale Knitting Company, Reading, Pa. Stocking. 2,660,868, Dec 1.
Naumkeag Steam Cotton Company, assignee: *See*—
Greene, Chester W.
Nauslar, Benjamin F., San Diego, Calif. Interlocking shockproof electrical plug. 2,643,364, June 23.
Nava, Mario, Macclesfield, England. Burner for liquid fuels with combustion air under atmospheric pressure for industrial and domestic purposes. 2,660,234, Nov. 24.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Adams, Edgar W., Jr.
Adkins, Homer B.
Adkins, Homer, Castle, and Royals.
Alvarez, Luis W.
Arenberg, David L.
Arons, Arnold B., and Frondel.
Barton, Loy E.
Bell, Persa R., Jr.
Birdsall, Edwin H.
Bohnert, John I.
Bollinger, Loren E.
Brace, Porter H.
Bradner, Mead.
Brady, James J.
Breeze, George E.
Breeze, George E., and Mason.
Broadbent, John H., and Ober.
Burrell, Ellis.
Cady, Willoughby M., and Nichinson.
Catlin, John P.
Chance, Britton.
Chu, Lan J.
Chu, Lan J., and Taggart.
Clark, John R., and Schultz.
Cole, Richard W.
Cork, Bruce B.
Critchfield, Charles L.
Downes, William A.
Droz, Marcel E.
Eaton, James E.
Eckart, Carl H., and Downs.
Elmer, William B.
Ernst, Hans, and Hawley.
Everett, Franklin L.
Everhart, Edgar, and Bogrow.
Ewing, William M.
Fenn, Willard H.
Fett, Gilbert H., and La Plante.
Fogal, Gordon L., and Mitnick.
Gadsden, Christopher P., Macnee, and Wallman.
Goodell, Warren F., Jr.
Gray, Howard A., Jr.
Gray, John W.
Greenough, Maurice L.
Gregg, Earle C., Jr.
Hague, Floyd T.
Hales, Everett B.
Hansche, George E.
Hare, Donald G. C.
Haviland, Thomas J.
Higgs, Paul M.
Hisserich, Charles A., Henderson, and Wyckoff.
Hollingsworth, Lowell M.
Hollmann, Hans E.
Horton, Joseph W., and Wagner.
Hughes, Arthur C., Jr.
Hulsizer, Robert I., and Hite.
Ieu-Liang Wu, William.
Ingalls, Clyde E.
Isberg, Reuben A.
Jacobsen, Andrew B.
Johnstone, Charles W., Dean, and Mautner.
Johnstone, Charles W., and Hance.
Jordan, James D.
Keary, Thomas J.
King, Alexander S., Jr.
Kirkpatrick, Harry A., and Krohn.
Klebba, Arthur A.
Klein, Norman E.
Klein, Norman E., and Wright.
Koehler, James F.
Lawrance, Richard B.
Lawson, Andrew W., Jr., and Fano.
Leonard, Merrill G., and Guidosh.
Lewin, Gerhard.
Ley, Gordon, and Jones.
Lippmann, Bernard A., and Schwinger.
Long, John H.
Longacre, Andrew.
MacNichol, Edward F., and Sudman.
MacNichol, Edward F., Jr.
Malick, Franklin S.
Mason, Russell I., Barkson, and McNary.
Mason, Russell I., Ripken, and Bernier.
Meagher, Ralph E.
Means, Percy.
Merkel, Alfred T.
Miller, Stuart C.
Miller, Theadore, and Webb.
Milne, Lorus J., Rawson, and Hartline.
Morse, Ted B., and Yeager.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—Continued.
Musselman, Glenn H.
Neher, Leland K.
Norris, Ralph F., and Avery.
Nowak, Welville B.
Parnell, William S., and Taylor.
Pease, Marshall C.
Perkins, Gerald S.
Perkins, Joseph R., Jr., and Ames.
Pietz, Ervin.
Preston, William M.
Redfield, Alfred C.
Redheffer, Raymond M.
Reed, John C., Jr.
Richardson, Max S.
Robinson, Charles V.
Rogers, Job R.
Rowe, Delman E.
Rowland, Howard J.
Rydmark, Josef A., and Pedersen.
Sage, Bruce H., and Lacey.
Sawyer, Ogden E., and Warren.
Seal, Robert K-F., and Lindseth.
Schmitt, Otto H.
Schultz, Howard L.
Sheckels, Glenn D.
Sheppard, Thomas W.
Sherwin, Chalmers W.
Sichak, William.
Slack, Frederick F.
Smith, Thomas C.
Smullin, Louis D.
Stabler, Howard P.
Stedman, Cecil K., and Smith.
Sutherland, Edwin M., and Albrecht.
Tatel, Howard E., and Trainer.
Taylor, Morris P.
Thuras, Albert L.
Tinlot, John H.
Toth, Dolan H.
Trembly, Gray C.
Trischka, John W., and Sack.
Valley, George E., Jr.
Wallman, Henry.
Walton, Cecil E.
Waltz, Maynard C.
Waters, Gordon E.
Watson, Robert B.
Weiss, Herbert G.
White, Milton G.
Wilson, Volney C.
Winter, David F.
Woodbury, Roger B.
Worzel, John L.
Wu, William I.
Wu, William I. L., and Vacquier.
Yeater, Max L.
Nawman, Rollie B., assignor to Benner-Nawman, Inc., Oakland, Calif. Flight member and mounting therefor. 2,649,954, Aug. 25.
Naxon, Irving, Chicago, Ill. Keyboard tape perforator. 2,633,198, Mar. 31.
Naylor, Joseph F.: *See*—
Crosland, Edward M., and Naylor.
Derbyshire, Alfred, and Naylor.
Naylor, Joseph F., Newton-le-Willows, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Dough break. 2,642,015, June 16.
Naylor, Joseph F., Newton-le-Willows, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Conveyor apparatus. 2,642,178, June 16.
Naylor, Joseph F., assignor to T. & T. Vicars Limited, Newton-le-Willows, England. Heating system for bakers' ovens and other heating chambers. 2,651,271, Sept 8.
Naylor, Joshua C., and J. N. Fieldhouse, assignors to Vickers-Armstrongs Limited, London, England. Pump and double-acting motor hydraulic system, including control valve mechanism. 2,654,998, Oct. 13.
Naylor, Marcus A., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of amides. 2,640,077, May 26.
Naymik, Nicholas M., Cleveland, Ohio. Spotlight and flare for automotive vehicles. 2,641,752, June 9.
Nazzewski, Mathew: *See*—
Brooks, Lester A., Markarian, and Nazzewski.
Ross, Sidney D., Markarian, and Nazzewski.
Neahr, William R., and R. L. Davis, assignors to American Seating Company, Grand Rapids, Mich. Multidirectional inertia-operated safety device for vehicle chairs. 2,650,655, Sept. 1.
Neal, Benjamin T., Columbus, Ohio. Transmission mechanism. 2,645,136, July 14.
Neal, Cecil: *See*—
Brock, William P., and Neal.
Neal, Earl S., San Mateo, Calif. Pump. 2,640,431, June 2.
Neal, Ernest C., assignor of one-half to E. Barndell, Chicago, Ill. Hand tool. 2,647,312, Aug. 4.
Neal, Morris P., assignor to A-B-C Packaging Machine Corporation, Moberly, Mo. Carton unloading and unit unscrambling machine. 2,648,450, Aug. 11.
Neal, Robert A.: *See*—
Mangan, Paul C., and Neal.

Neal, Robert A., Media, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignition apparatus for turbojet afterburners. 2,640,316, June 2.
Neal, Robert A., Media, and P. C. Mangan, Ridley Park, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selective fuel control apparatus for turbojet engines. 2,649,906, Aug. 25.
Neal, William E., Houston, Tex., assignor, by decree of court, of one-half to C. Dover. Selective charge-firing equipment. 2,655,619, Oct. 13.
Neamand, Vincent, Narberth, Pa. Tool for breaking concrete and the like. 2,629,588, Feb. 24.
Neander, Karl O., McKeesport, and A. Teplitz, Pittsburgh, Pa. Apparatus for selectively marking moving strip. 2,648,278, Aug. 11.
Near, John F.: *See*—
Geckler, Ernest W., and Near.
Nebeck, Howard J., Berwyn, assignor to Universal Oil Products Company, Chicago, Ill. Lined reactor. 2,634,194, Apr. 7.
Nebel, Martin, Philadelphia, Pa. Musical instrument bow. 2,624,225, Jan. 6.
Nebel, Raymond J., Lincoln Park, N. J. Sealing means. 2,638,147, May 12.
Nebel, Richard W., Waynesboro, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Controlled, heterogeneous hydrolysis of polymeric esters. 2,657,201, Oct. 27.
Nebel, William, Charlotte, N. C. Stocking and blank for same. 2,629,997, Mar. 3.
Nebesar, Robert J., Bristol, Tenn., assignor to Universal Moulded Products Corporation, Bristol, Va. Surfaced fabric and making same. 2,625,499, Jan. 13.
Nebolsine, Ross, New York, N. Y. Method for effecting and controlling the recharge of underground formations by special wells. 2,629,447, Feb. 24.
Nebolsine, Ross, New York, N. Y. Installation for the collection, treatment, and distribution of water. 2,653,129, Sept. 22.
Necas, Joseph V., Tuckahoe, assignor to P. Lorillard Company, New York, N. Y. Multiple-unit packaging assembly. 2,658,612, Nov. 10.
Ne Casek, Joseph A., Chicago, Ill. Cattle shipper's stanchion. 2,641,222, June 9.
Neckel, Edmund N., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Shirt folder. 2,629,519, Feb. 24.
Nederlandse Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, assignee: *See*—
Wubben, Gerrit J. H. E., and Steiner.
Nedschroef Octrooi Maatschappij N. V., assignee: *See*—
Van Haandel, Adrianus.
Nedzel, Viacheslaw A., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus and method for measuring magnetic flux. 2,624,783, Jan. 6.
Need, Waldo H., Gary, Ind. Hair clipper with improved reciprocable cutter blade. 2,641,833, June 16.
Needham, James C., and L. H. H. Orton, Greenford, England, assignors to E. R. A. Patents Ltd. Alternating current arc welding equipment. 2,659,036, Nov. 10.
Needham, Robert L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor cradle. 2,661,172, Dec. 1.
Needle Industries Limited, assignee: *See*—
Dinham, Alfred T.
Needlman, Barney, Chicago, Ill. Display stand with alarm system. 2,626,388, Jan. 20.
Neef, Frederick E., Jr.: *See*—
Grisé, Alfred L., and Neef.
Plossl, George W., and Neef.
Néel, Louis, Grenoble, assignor to Société d'Electro-Chimie d'electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Manufacture of permanent magnets. 2,651,105, Sept. 8.
Neely, John E., Cleveland, Ohio. Reel structure for shortening wire cords. 2,656,991, Oct. 27.
Neely, Walter W., assignor of one-half to H. W. McAfoos, Alton, Ill. Calender roll guide and feed mechanism. 2,651,242, Sept. 8.
Neely, William H.: *See*—
Bielak, Frank A., and Neely.
Blumensaadt, Svend G., Gutzman, and Neely.
Neely, William H., Cleveland, assignor to The Universal Wire Spring Company, Bedford, Ohio. Sound insulating strip member for sinuously corrugated wire springs. 2,637,046, May 5.
Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Wire spring. 2,639,763, May 26.
Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Wire spring structure. 2,643,705, June 30.
Neely, William H., Cleveland, and C. E. Smith, Hudson, assignors to The Universal Wire Spring Company, Bedford, Ohio. Rail member for removably mounting sinuously corrugated wire springs. 2,633,904, Apr. 7.
Neely, William H., Cleveland, W. C. Sandor, Solon, and C. E. Smith, Hudson, assignors to The Universal Wire Spring Company, Bedford, Ohio. Rail member for removably mounting sinuously corrugated wire springs. 2,642,932, June 23.
Neeme, Johannes E., Arthur, N. Dak. Piston and ring. 2,638,390, May 12.
Neer, Clifford H., assignor to Burt Machine Company, Inc., Baltimore, Md. Elevator divider. 2,646,156, July 21.
Neergaard and Associates, assignee: *See*—
Gilchrist, James W.
Neesby, Torben E., assignor, by mesne assignments, to Carroll Dunham Smith Pharmacal Co., New Brunswick, N. J. Stabilized polythionates as medicinal cosmetics. Re. 23,711, Sept. 8.
Neff, Clarence: *See*—
Dodge, Howard M., and Neff.
Neff, Edward A., Chicago, Ill. Parachute apparatus. 2,656,183, Oct. 20.
Neff, Edward B., Shaker Heights, assignor to Erico Products, Inc., Cleveland, Ohio. Method of and apparatus for welding. 2,654,129, Oct. 6.
Neff, Gene M.: *See*—
Forss, Fritz V., and Neff.
Neff, Gene M., assignor to John Oster Manufacturing Company, Racine, Wis. Multiposition switch. 2,645,685, July 14.
Neff, Henry W., assignor to Power Brake Parts Manufacturing Company, Detroit, Mich. Air compressor system. 2,655,306, Oct. 13.
Neff, Loren L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oils containing metal salts of a condensation product of a substituted phenol and a vinyl compound. 2,656,316, Oct. 20.
Neff, Loren L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oils containing metal salts of a condensation product of a substituted phenol and an allyl compound. 2,656,317, Oct. 20.
Neff, Loren L., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil containing a metal salt of a condensation product of an alkyl substituted phenol and an olefin oxide. 2,659,696, Nov. 17.
Neff, Roy G., Burlington, Iowa. Wheeled base for chairs. 2,654,421, Oct. 6.
Neff, William H., Salt Lake City, Utah. Dispensing and distributing device for finely divided materials. 2,643,798, June 30.
Negola, Carmine, Garwood, N. J., assignor to Drumboy, Inc. Liner support and closure for acid resistant drums. 2,652,172, Sept. 15.
Negretti & Zambra Limited, assignee: *See*—
Ibbott, Harold W.
Negri, Frank G., assignor to Noel Precision Corporation, Jamaica, N. Y. Roller skate wheel. 2,652,285, Sept. 15.
Negri, Ismaele: *See*—
Negri, Mario and I.
Negri, Mario, Rome, assignor to Ditta A. Gazzoni & Co., Bologna, Italy. Odontalgic device. 2,642,065, June 16.
Negri, Mario and I., Milan, Italy. Hand knitting machine. 2,661,611, Dec. 8.
Negrilla, Louis J.: *See*—
Dusin, James, and Negrilla.
Neher, Clarence M.: *See*—
Dunn, James H., Neher, and Trotter.
Furr, John B., and Neher.
Miller, Leo A., Dunn, and Neher.
Neher, Clarence M., F. L. Padgitt, and P. E. Weimer, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Manufacture of tetraethyllead. 2,644,827, July 7.
Neher, Eldon P., North Manchester, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Tractor seat. 2 630,854, Mar. 10.
Neher, Eldon P., North Manchester, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Flexible shaft coupling. 2,655,798, Oct. 20.
Neher, Harry T.: *See*—
Bauer, La Verne N., Neher, and Van Horne.
Neher, Harry T., Bristol, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Low-temperature polymerization of vinyl hydroxyalkyl ethers to resinous polyacetals. 2,633,460, Mar. 31.
Neher, Leland K., Newton Corner, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Nonreflecting background for testing microwave equipment. 2,656,535, Oct. 20.
Neher, Milton L., Coral Gables, Fla. Balancing device for washing machines. 2,643,536, June 30.
Neher, Milton L., Coral Gables, Fla. Cylinder feeding device for progressive washing machines. 2,655,021, Oct. 13.
Nehrbas, Howard G.: *See*—
Henkel, Erich, and Nehrbas.
Nehrenberg, Alvin E.: *See*—
Payson, Peter, and Nehrenberg.
Neidhart, Martin, Zug, and E. Koller, Winterthur, assignors to Dabo Ltd., Zug, Switzerland. Infinitely-variable change-speed gear. 2,660,897, Dec. 1.
Neidlinger, Joy S.: *See*—
Kempf, Clayton A., Neidlinger, Stewart, and Sharp.
Neidorf, Samuel W.: *See*—
Glickman, Mannes N., Klebanoff, and Neidorf.

Neighbors, Roscoe F., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of organic sulfates. 2,649,469, Aug. 18.

Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Manure spreader drive mechanism. 2,657,583, Nov. 3.

Neighbour, Leonard B., and O. P. Lance, assignors to Deere & Company, Moline, Ill. Clutch and brake mechanism and coordinated control therefor. 2,648,415, Aug. 11.

Neikirk, Edwin P., Ferguson, and J. Izo, Jr., Overland, assignors to McDonnell Aircraft Corporation, St. Louis, Mo. Flame holder and fuel nozzle supporting mechanism for ram jet engines. 2,625,788, Jan. 20.

Neil, William P., Pasadena, Calif. Constructing buildings. 2,662,391, Dec. 15.

Neild, William G., Fairlawn, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,655,581, Oct. 13.

Neils, Josette M., Milwaukee, Wis. Baby carrier. 2,628,358, Feb. 17.

Neilsen, Charles W., Sacramento, Calif. Tractor mounted bulk rake. 2,662,359, Dec. 15.

Neilsen, Hildaur L., Metuchen, N. J., assignor to Speed Products Company, Inc., New York, N. Y. Staple extractor. 2,631,816, Mar. 17.

Neilsen, Hildaur L., Metuchen, N. J. Coin container. 2,643,762, June 30.

Neilsen, Hildaur L., assignor to M. J. Feis, Metuchen, N. J. Coin box loader. 2,646,055, July 21.

Neilsen, Karl P., Long Beach, Calif. Seat assembly for pump cages. 2,628,571, Feb. 17.

Neilson, Allan K., Highland Park, Mich. Rotary data specifier for stock parts. 2,624,140, Jan. 6.

Neilson, Roger, New York, N. Y. Quin-top. 2,633,664, Apr. 7.

Neiman, Edwin D.: *See*—
Nelson, George B., and Neiman.

Neipert, Marshall P.: *See*—
Hunter, Ralph M., Blue, and Neipert.

Neis, Harry B., and R. W. Wood, Harrisonville, assignors of one-half to said Neis and one-half to E. C. Alexander, Creighton, Mo. Jack. 2,657,009, Oct. 27.

Neish, Richard A., Library, Pa., assignor to United States Steel Corporation. Lead coating a ferrous article. 2,643,975, June 30.

Neish, Richard A., Library, Pa., assignor to United States Steel Corporation. Soldering flux composition. 2,659,684, Nov. 17.

Neisler, Charles E., Jr., assignor to Neisler Mills, Inc., Kings Mountain, N. C. Textile fabric. 2,632,230, Mar. 24.

Neisler Mills, Inc., assignee: *See*—
Jackson, Howard B.
Neisler, Charles E., Jr.

Neiss, Wilmer C.: *See*—
McFarland, Jack K., and Neiss.

Neiswinter, James T., Garden City, N. Y., assignor to American Telephone and Telegraph Company. Carrier telegraph system. 2,630,493.

Neja, Ambrose A., Anaheim, Calif. Box unstacker. 2,629,503, Feb. 24.

Nekarda, Victor F., Teaneck, N. J. Orienting articles of predetermined shapes. 2,625,282, Jan. 13.

Nekola, William J.: *See*—
Wehmiller, Frederick W., and Nekola.

Nelb, Robert G., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Manufacture of triallyl cyanurate. 2,631,148, Mar. 10.

Nelden, Richard M., Detroit, assignor to American Blower Corporation, Dearborn, Mich. Rotary hydraulic coupling having adjustable overflow weir determining the extent of fill thereof. 2,652,689, Sept. 22.

Nelles, Lafayette H., assignor to A. W. Taylor Industries Limited, Toronto, Ontario, Canada. Folding shovel or like tool. 2,629,624, Feb. 24.

Nellis, James H., assignor to General Motors Corporation, Dayton, Ohio. Diaphragm mounting. 2,635,640, Apr. 21.

Nelpin Manufacturing Co., Inc., assignee: *See*—
Pinkham, Clarence A., and Holohan.

Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Coin-controlled apparatus and change maker. 2,627,963, Feb. 10.

Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Coin-controlled crediting and debiting apparatus for vending machines. 2,649,947, Aug. 25.

Nelson, Alfred H., Grove City, Minn. Post driving apparatus. 2,645,453, July 14.

Nelson, Alfred N., Flushing, N. Y. Nut opener. 2,653,638, Sept. 29.

Nelson, Anton R., Burlingame, Calif. Electrically wound and set watch. 2,658,329, Nov. 10.

Nelson, Arthur E., St. Louis, Mo. Magnetic lid holder. 2,648,127, Aug. 11.

Nelson, Arthur E., deceased, University City, Mo.; H. S. Nelson, executrix. Can opener. 2,637,897, May 12.

Nelson, Arthur E., Euclid, and H. G. Stadtler, Rocky River, assignors to NEA Service, Inc., Cleveland, Ohio. Matrix. 2,653,394, Sept. 29.

Nelson, Arthur H., assignee: *See*—
Shames, Albert A.

Nelson, Arthur J.: *See*—
Risch, Arthur H., and Nelson.

Nelson, Arthur W.: *See*—
Protzeller, Harry W.

Nelson, August L., assignor to Hayes Manufacturing Corporation, Grand Rapids, Mich. Automobile door structure. 2,660,470, Nov. 24.

Nelson, Axel B.: *See*—
Magos, John P., Larson, and Nelson.

Nelson, Axel I., and L. W. Wallace, Los Angeles, Calif. Automaton. 2,633,651, Apr. 7.

Nelson, Barney, Beloit, Wis. Crankshaft construction. 2,662,267, Dec. 15.

Nelson, Brooks E., assignor to Jaymac Systems, Incorporated, Cleveland, Ohio. Card overlap and adhering machine. 2,640,695, June 2.

Nelson, Brooks E., Cleveland, and R. O. Peterson, University Heights, assignors to The Osborn Manufacturing Company, Cleveland, Ohio. Brush and making same. 2,626,414, Jan. 27.

Nelson, Carroll H., Cedar Rapids, Iowa. Stock waterer. 2,664,070, Dec. 29.

Nelson, Charles H., Zion, Ill. Mailbag catcher. 2,643,101, June 23.

Nelson, Christian K., Los Angeles, Calif., assignor to Eskimo Pie Corporation, Bloomfield, N. J. Bag dispensing apparatus for bagging machines. 2,629,369, Feb. 24.

Nelson, Clarence L.: *See*—
Gage, Lonnie L., and Nelson.

Nelson, Clarence L., Minneapolis, Minn. Lawn sprinkling device. 2,631,061 Mar. 10.

Nelson, Clarence L., Minneapolis, Minn. Valve for hose lines. 2,662,546, Dec. 15.

Nelson, Clinton G., and R. W. Hayden, North Richland, Wash. Temporary outlet box mounting for use with concrete forms. 2,652,168, Sept. 15.

Nelson, Delbert H., Modesto, Calif. Paint brush rest. 2,639,835, May 26.

Nelson, De Witte: *See*—
Dominick, William E., and Nelson.
Dominick, William E., Nelson, and Mattil.
Mattil, Karl F., and Nelson.

Nelson, De Witte, Elmhurst, and K. F. Mattil, assignors to Swift & Company, Chicago, Ill. Producing modified lard. 2,625,486, Jan. 13.

Nelson, De Witte, Elmhurst, and K. F. Mattil, assignors to Swift & Company, Chicago, Ill. Modification of lard. 2,625,487, Jan. 13.

Nelson, Donald O.: *See*—
Blackman, Birt G., and Nelson.

Nelson, Donald O., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Stylus structure for electrical recorders. 2,633,405, Mar. 31.

Nelson, Donald O., Los Angeles, and R. P. Geddes, Jr., Sherman Oaks, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Outboard transducer assembly. 2,646,950, July 28.

Nelson, Donald W.: *See*—
Willson, Abner R., and Nelson.

Nelson, Edgar A., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Single-edge blade dispenser. 2,653,704, Sept. 29.

Nelson, Elhart F., assignor to The Medical Specialty Company, Inc., Chicago, Ill. Colostomy appliance. 2,634,727, Apr. 14.

Nelson, Elmer G., Lindsborg, Kans. Fastening unit for toilet fixtures. 2,653,835, Sept. 29.

Nelson, Eric, Madison, N. J., assignor to the United States of America as represented by the Secretary of the Army. Making low-temperature meteorological balloons. 2,646,370, July 21.

Nelson, Evan H.: *See*—
Francis, Victor J., and Nelson.
Power, Ernest B., and Nelson.

Nelson, Frederick, Lakewood, Ohio. Distributor. 2,638,515, May 12.

Nelson, Frederick L.: *See*—
Andress, Harry J., Jr., and Nelson.

Nelson, George B., and E. D. Neiman, Des Moines, Iowa. Fish catching means. 2,634,540, Apr. 14.

Nelson, George E., Salem, Wash. Releasable bale hook. 2,628,857, Feb. 17

Nelson, George E. N.: *See*—
Pfeifer, Virgil F., Nelson, Vojnovich, and Lockwood.

Nelson, George T., Lebanon, Tenn. Grooving and flexible form installing attachment for road paving machines. 2,644,378, July 7.

Nelson, Gorman R., assignor to Electronic Engineering Company of Sioux Falls, a division of The Iseman Corporation, Sioux Falls, S. Dak. Variable speed magnetic fluid clutch drive. 2,640,364, June 2.

Nelson, Gunnar, assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,625,323, Jan. 13.

Nelson, Harold F., St. Paul, Minn. Storage battery testing and filling apparatus. 2,637,760, May 5.

Nelson, Harold L., Oakland, Calif. Cheese slicing utensil. 2,649,658, Aug. 25.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind supporting and actuating structure. 2,629,434, Feb. 24.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind tilter construction. 2,630,861, Mar. 10.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Blind construction. 2,631,661, Mar. 17.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Hardware removing tool. 2,638,025, May 12.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Length cutting machine. 2,644,520, July 7.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Fascia board and end fitting therefor. 2,645,281, July 14.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Assembling Venetian blinds. 2,654,141, Oct. 6.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Slat tilting mechanism for Venetian blinds. 2,659,431, Nov. 17.

Nelson, Harry, McKeesport, Pa., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind bar organization and fitting. 2,637,382, May 5.

Nelson, Harry J., Pocatello, Idaho. Apparatus for molding hamburger steak patties and the like. 2,654,121, Oct. 6.

Nelson, Henry M., Minneapolis, Minn. Egg case. 2,632,594, Mar. 24.

Nelson, Helen S., executrix: *See*—
Nelson, Arthur E.

Nelson, Herbert, Bloomfield, and B. N. Slade, Morristown, N. J., assignors to Radio Corporation of America. Semiconductor amplifier or oscillator device. 2,629,767, Feb. 24.

Nelson, Hildred, Chicago, Ill. Woman's garment. 2,654,091, Oct. 6.

Nelson, Jessie A., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of War. Broad band antenna system. 2,633,531, Mar. 31.

Nelson, Jessie A., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Coaxial-line switch. 2,662,142, Dec. 8.

Nelson, Jessie A., and D. I. Wilhoit, Mineola, N. Y., assignors to the United States of America as represented by the Secretary of War. Broad band antenna. 2,624,844, Jan. 6.

Nelson, Joel B.: *See*—
Nelson, John W. and J. B.

Nelson, John F., Oregon City, Oreg. Piston ring compressor. 2,655,719, Oct. 20.

Nelson, John H., Valders, Wis. Pea thresher having spring actuated beaters. 2,661,745, Dec. 8.

Nelson, John V., Elmhurst, assignor to Krag Steel Products, Inc., Chicago, Ill. Recording and translating device. 2,645,495, July 14.

Nelson, John W., Lansing, Ill., assignor, by mesne assignments, to Sinclair Oil and Gas Company, Tulsa, Okla. Prevention of corrosion. 2,640,809, June 2.

Nelson, John W. and J. B., Independence, Kans., assignors of one-third to J. W. Ashcraft. Tire valve stem protector. 2,638,956, May 19.

Nelson, Joseph F.: *See*—
Banes, Fred W., Fitzgerald, and Nelson.
Sparks, William J., and Nelson.

Nelson, Joseph F., Clark Township, Union County, N. J., assignor to Standard Oil Development Company. Polymerization of olefins in annular reactor. 2,636,026, Apr. 21.

Nelson, Joseph F., Rahway, and A. H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company. Synthetic drying oils and preparing same. 2,650,209, Aug. 25.

Nelson, Karl J.: *See*—
Barr, Frank T., and Nelson.
Gornowski, Edward J., and Nelson.
Rex, Walter A., and Nelson.

Nelson, Lawrence, Jr., Chicago, Ill. Comparted traveling bag. 2,661,824, Dec. 8.

Nelson, Lewen R., Peoria, Ill. Hose connector for plastic pipe. 2,661,962, Dec. 8.

Nelson, Lewis J., Niagara Falls, N. Y. Shoulder strap pad. 2,637,849, May 12.

Nelson, Lloyd E.: *See*—
Velez, Rafael V., and Nelson.

Nelson, Manley R., and R. S. Sheehan, Denver, Colo. Flame hardening apparatus. 2,636,725, Apr. 28.

Nelson, Melvin O., Kansas City, Mo. Hand locking battery cable clamp. 2,651,765, Sept. 8.

Nelson, Milton A., Rockford, Ill. Cleaning implement. 2,646,581, July 28.

Nelson, Noral A.: *See*—
Klemm, Herman G., and Nelson.

Nelson, Noral A., Berkley, assignor to Harry Ferguson, Inc., Detroit, Mich. Earth-moving attachment for tractors. 2,641,854, June 16.

Nelson, Noral A., Royal Oak, assignor to Harry Ferguson, Inc., Detroit, Mich. Reversible agricultural implement. 2,633,787, Apr. 7.

Nelson, Noral A., assignor to Harry Ferguson, Inc., Detroit, Mich. Control for reversible agricultural implements. 2,633,788, Apr. 7.

Nelson, Noral A., Royal Oak, assignor to Harry Ferguson, Inc., Detroit, Mich. Load lifter attachment for tractors. 2,658,635, Nov. 10.

Nelson, Norman A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for introducing fluid into sub-surface formations. 2,646,123, July 21.

Nelson, Oscar E., Dearborn, Mich. Hose reel. 2,635,008, Apr. 14.

Nelson, Paul E., Geneva, Ill. Hat holder for hat boxes. 2,645,333, July 14.

Nelson, Reuben F., and H. D. Doerman, Roseville, Calif. Latch for floor racks. 2,632,409, Mar. 24.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Making a unitary thermionic filament structure. 2,652,621, Sept. 22.

Nelson, Robert L.: *See*—
Watson, William H., and Nelson.

Nelson, Robert M., Wilmette, Ill. Dock plate. 2,629,120, Feb. 24.

Nelson, Roy: *See*—
Harker, George A., Knetl, and Nelson.
McKinley, John K., Scott, Goff, and Nelson.

Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,656,584, Oct. 27.

Nelson, Seddon C., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Liquid metering and flow indicating device. 2,663,188, Dec. 22.

Nelson Specialty Corporation, assignee: *See*—
Sturmer, Robert L.

Nelson, Talbert G., New York, N. Y. Fruit juicer. 2,629,317, Feb. 24.

Nelson, Ted, San Leandro, Calif., assignor to Gregory Industries, Inc. Spot welding. 2,635,167, Apr. 14.

Nelson, Theodore J.: *See*—
Polson, Olen, and Nelson.

Nelson, Thomas F., Stratford, Conn., assignor to General Electric Company. Knob retaining device. 2,634,992, Apr. 14.

Nelson, Walter O., Grand Forks, N. Dak. Interlocking block. 2,633,662, Apr. 7.

Nelson, Warren L., Waltham, Mass. Combined foot and bedcover support. 2,655,668, Oct. 20.

Nelson, William T.: *See*—
Cines, Martin R., and Nelson.

Nelson, Willis N.: *See*—
Jenson, Kenneth S., and Nelson.

Nelson, Willis N., and L. C. Griffin, assignors to Prentiss Wabers Products Company, Wisconsin Rapids, Wis. Door and drawer assembly for cooking ranges. 2,627,264, Feb. 3.

Nelsson, Nels, assignor to United States Gypsum Company, Chicago, Ill. Wall construction and clip therefor. 2,641,035, June 9.

Nelsson, Nels, assignor to United States Gypsum Company, Chicago, Ill. Resilient fastening clip. 2,661,515, Dec. 8.

Nemco Electric Co., assignee: *See*—
MacDougall, Charles B.

Německý, Miroslav, Nove Mesto na Morave, Czechoslovakia. Dial indicator. 2,658,282, Nov. 10.

Nemeth, Otto R., Los Angeles, Calif. Comb for musical instruments. 2,634,649, Apr. 14.

Nemeth, Otto R., Los Angeles, Calif. Motion-picture projector. 2,647,435, Aug. 4.

Nemetz, Gustav, deceased, Vienna, Austria, by V. Nemetz, administratrix, assignor to Alex. Friedman, Kommandit-Gesellschaft, Vienna, Austria. One-way valve, particularly for lubricating systems. 2,646,066, July 21.

Nemetz, Valerie, administratrix: *See*—
Nemetz, Gustav.

Nemir, Clarence T., Washington, D. C., assignor to The Kelling Nut Co., Chicago, Ill. Photoelectric inspecting and sorting apparatus. 2,645,343, July 14.

Nemmer, Albert W., Cheektewaga, N. Y. Furniture construction. 2,653,651, Sept. 29.

Nemmer, Leo B., Glendale, Calif., and C. J. O'Brien, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Valve for lubricant temperature regulating systems. 2,650,767, Sept. 1.

Nemser, Marie, Jersey City, N. J. Clasp pin eyeglass holder. 2,637,080, May 5.

Nemser, Marie, Jersey City, N. J. Clasp pin eyeglass holder. 2,650,397, Sept. 1.

Neon Products, Inc., assignee: *See*—
Howenstine, James A.
Smith, Kenneth F.

Neostyle, Incorporated, assignee: *See*—
Stone, Kenneth.

Nepera Chemical Co., Inc.: *See*—
Tenenbaum, Leon E., and Scudi.

Nepera Chemical Co. Inc., assignee: *See*—
Feinstone, Wolffe H., and Duesel.
Goldberg, Aaron S.
Mast, George W., and Anderson.
Scudi, John V., and Anderson.

Nepo Manufacturing Co.: *See*—
Passman, Nathan E.

Nepper, Richard C., assignor, by mesne assignments, to Ahrens-Fox, Inc., Cincinnati, Ohio. Fire engine pump governor. 2,642,805, June 23.

Neptune, Herman P., Los Angeles, Calif. Wedge operated construction clamp. 2,633,167, Mar. 31.

Neracher, Carl A., Detroit, and M. C. Robinson, Royal Oak, assignors to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,633,948, Apr. 7.

Nerney, George E., Attleboro, Mass., assignor to Standard Plastics Company, Inc. Nose pad for ophthalmic mountings. 2,629,284, Feb. 24.

Neros, Clifford A.: *See*—
Seyb, Leslie P., and Neros.

Nerwin, Hubert, Irondequoit, assignor to Graflex, Inc., Rochester, N. Y. Film cartridge for photographic cameras. 2,662,696, Dec. 15.

Nesbet, George W., assignee: *See*—
Jones, Frank J.

Nesbitt, John D., Sylvania, assignor to Surface Combustion Corporation, Toledo, Ohio. Skid rail structure for forge furnaces. 2,652,240, Sept. 15.

Neschke, Richard J., Los Angeles, Calif. Toe stop for roller skates. 2,655,385, Oct. 13.

Nesham, John E. C., assignor, by mesne assignments, to Airnesco Products Limited, Rochester, England. Fluid pressure actuated blast gun. 2,650,615, Sept. 1.

Ness, Odvar, Williamstown, and K. N. Lambert, North Adams, Mass., assignors to Sprague Electric Company. Electrolytic capacitor. 2,636,076, Apr. 21.

Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Attachment for windshield wiper arms. 2,632,195, Mar. 24.

Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Wiper blade clip. 2,643,410, June 30.

Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Wiper blade connector. 2,643,411, June 30.

Nestor, Leonard R., Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Seed carrier. 2,648,165, Aug. 11.

Nestor, Leonard R., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Disintegrable label and washable container labeled therewith. 2,654,170, Oct. 6.

Nestor, Leonard R., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Disintegrable label and washable container labeled therewith. 2,654,171, Oct. 6.

Nesty, Glenn A., and H. E. Gronich, Morristown, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Making resin for wet strength paper. 2,634,247, Apr. 7.

Nesvig, John P., Yakima, Wash. Bell ash tray and smoking set. 2,633,136, Mar. 31.

Netel, Isidore S., Brooklyn, N. Y. Infant crib ventilation control. 2,630,584 Mar. 10.

Nethercutt, Jack B., assignee: *See*—
Jordan, Lynvell R.

Netherly, George P.: *See*—
Cross, Bert S., and Netherly.

Netherwood, Paul H.: *See*—
Allison, William M., and Netherwood.

Netherwood, Paul H., assignor to Sprague Electric Company, North Adams, Mass. Sealed electrical assembly. 2,634,314, Apr. 7.

Netschert, Franz, Glendale, assignor to Technical Glass Company, Inc., Los Angeles, Calif. Dead latching door lock. 2,645,512, July 14.

Nette, Henry C., Pasadena, Calif. Vernier control and pivot mounting for transits and like instruments. 2,643,844, June 30.

Nettel, Frederick, Manhasset, N. Y. Turbosupercharger means to heat intake of compression-ignition engine for starting. 2,633,698, Apr. 7.

Nettel, Frederick, Manhasset, N. Y. Control for engine turbosupercharger systems. 2,654,991, Oct. 13.

Nettleton, Felix L., Kingston, N. Y. Expansion dowel. 2,654,297, Oct. 6.

Netzel, Philip C., Philadelphia, Pas., assignor to General Electric Company. Sequential switch. 2,627,559, Feb. 3.

Neu, Karl-Hans, Stuttgart, Germany. Double belt drawing mechanism for textile machines. 2,662,249, Dec. 15.

Neubauer, John R., Collingswood, N. J., assignor to Radio Corporation of America. Switching control system. 2,658,172, Nov. 3.

Neudeck, Joseph E., Union, N. J., assignor to Standard Oil Development Company. Gasoline fuels containing dimethyl carbinol and solvent oil. 2,646,348, July 21.

Neuenschwander, Harley A., Hutchinson, Kans. Portable miter box for power-driven hand saws. 2,633,162, Mar. 31.

Neufeld, Alonzo J., Los Angeles, assignor to Alumni Research Foundation of The College of Medical Evangelists, Loma Linda, Calif. Fracture table. 2,658,507, Nov. 10.

Neufeld, Elizabeth, assignee: *See*—
Gross, Eugene.

Neufeld, Jacob, Tulsa, Okla. Spectrometer. 2,636,994, Apr. 28.

Neugass, Edwin A., Portchester, N. Y. Brush. 2,652,580, Sept. 22.

Neugass, Edwin A., White Plains, N. Y. Instrument panel. 2,660,824, Dec. 1.

Neugebauer, Franz J.: *See*—
Brisken, Walter R., and Neugebauer.

Neugebauer, Franz J., Schenectady, N. Y. Two-stroke cycle internal-combustion engine. 2,652,817, Sept. 22.

Neugebauer, Franz J., Dayton, H. O. Berkner, Wood City, and E. O. A. Naumann, Dayton, Ohio. Engine-driven air compressor. 2,628,015, Feb. 10.

Neugebauer, Wilhelm: *See*—
Reichel, Maximilian K., and Neugebauer.

Neugebauer, Wilhelm, Wiesbaden-Biebrich, and J. Barthenheier, Eddersheim-on-the-Main, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Fixing lithographic diazotype printing foils which have been exposed to light. 2,626,866, Jan. 27.

Neugebauer, Wilhelm, Wiesbaden-Biebrich, J. Barthenheier, Eddersheim (Main), and A. Rebenstock, Wiesbaden-Biebrich, Germany, assignors to S. D. Warren Company, Westbrook, Maine. Paper printing foils for lithographic purposes and preparing them. 2,649,373, Aug. 18.

Neugebauer, Wilhelm, and M. K. Reichel, Wiesbaden-Biebrich, Germany, assignors to Keuffel & Esser Company, Hoboken, N. J. Developing aged photosensitive material containing silver halide and a chromate. 2,656,271, Oct. 20.

Neuhart, Andrew, West View, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Material handling apparatus. 2,636,735, Apr. 28.

Neuhart, Frederick C., and G. A. Gohlke, Bartlesville, Okla., assignors to Phillips Petroleum Company. Hydrocarbon separation. 2,652,439, Sept. 15.

Neuhauser, Franz, and R. Prinz, Vienna, Austria. Multiple chain saw machine for cutting timber. 2,654,404, Oct. 6.

Neuls, Frederick C., assignor to The G. S. Blodgett Co., Inc., Burlington, Vt. Sheet metal mixer for gas burners. 2,655,210, Oct. 13.

Neumager, Albert E. J. M., assignor to Varinyl, Montceaules-Mines, France. Producing stockings for varicose veins. 2,641,914, June 16.

Neumair, Joseph A., Hollis, N. Y., assignor to International Cigar Machinery Company. Mold turret for cigar machines. 2,633,135, Mar. 31.

Neuman, Frank H.: *See*—
La Fontaine, Leon L., and Neuman.

Neuman, Herbert A.: *See*—
Bragg, David K., Hickes, and Neuman.

Neuman, Leonard J., Houston, Tex. Controlling fluid infiltration. 2,625,374, Jan. 13.

Neumann, Anna, Brooklyn, N. Y. Buckle. 2,648,112, Aug. 11.

Neumann, Bernard, The Hague, Netherlands. Skirt valve system for hydraulic master cylinders. 2,645,087, July 14.

Neumann, Ernest P., Lincoln, and F. Lustwerk, West Roxbury, assignors to Ultra-Mechanisms, Inc., Cambridge, Mass. Jet pump refrigeration system. 2,658,356, Nov. 10.

Neumann, Francisco, J. Pataki, and S. Kaufmann, assignors to Syntex S. A., Mexico City, Mexico. Preparing cyclopentanoperhydrophenanthrene derivatives. 2,656,363, Oct. 20.

Neumann, Georg, Paris, assignor to "Bureau Technique Gautrat," S. A. R. L. Les Lilas, France. Gastight storage battery and manufacturing same. 2,636,058, Apr. 21.

Neumann, Georg, assignor to Bureau Technique Gautrat, S. A. R. L., Paris, France. Hermetically sealed storage battery. 2,651,669, Sept. 8.

Neumann, Kurt K., assignor to King-Seeley Corporation, Ann Arbor, Mich. Interval timer construction. 2,650,466, Sept. 1.

Neumann, Kurt K., assignor to King-Seeley Corporation, Ann Arbor, Mich. Timer construction. 2,662,595, Dec. 15.

Neumann-Lezius, Hans: *See*—
Jordan, Kurt, and Neumann-Lezius.

Neumayer, Elizabeth M., Astoria, N. Y. Protective attachment for women's undergarment. 2,661,471, Dec. 8.

Neumeier, Franz M.: *See*—
Omohundro, Allen L., and Neumeier.

Neuok, Walter P.: *See*—
Kolanda, Joseph A., and Neuok.

Neuschül, Robert: *See*—
Lerner, Henry C., and Neuschül.

Neustadter, Arnold, assignee: *See*—
Merkur, Martin.

Neutelings, Theodoor R. and W., Bergen op Zoom, assignors to Industrie- en Handelmaatschappij "De Vuursag" C. V., Roosendaal, Netherlands. Baking oven. 2,660,961, Dec. 1.

Neutelings, Willem: *See*—
Neutelings, Theodoor R. and W.

Neuwirth, John A.: *See*—
Sykes, Robert E., and Neuwirth.

Neuworth Martin B. assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Double solvent extraction of oils. 2,633,448, Mar. 31.

Neuzerling, Francis J., Milwaukee, Wis. Magnetic amusement device. 2,632,648, Mar. 24.

Neves, Alfred S., Honolulu, Hawaii. Wall construction, including upper and lower panels and diagonal strips joining the same. 2,639,471, May 26.

Neville, James J.: *See*—
Rhodes, Thomas J., and Neville.

Nevin, Leonard C., assignor to Chemipulp Process, Inc., Watertown, N. Y. Strainer for digesters. 2,634,209, Apr. 7.

Nevin, Scott, assignor to Farnsworth Research Corporation, Fort Wayne, Ind. Heated cathode electron multiplier. 2,640,169, May 26.

Nevins, J. F., trustee, assignee: *See*—
House, Samuel G., and Hobbs.

Nevison, John A., Media, assignor to The Atlantic Refining Company, Philadelphia, Pa. Purifying alkylated aryl sulfonate detergents. 2,655,530, Oct. 13.

New, Fred M., New York, N. Y. Process and means for metallizing nonconductive bases. 2,657,097, Oct. 27.

New, Leo, Muncie, Ind. Headrest appliance. 2,649,142, Aug. 18.

New Merton Board Mills Limited, The, assignee: *See*—
Lenard, Frederick P., and Methven.

New Products Corporation, assignee: *See*—
Banker, Oscar H.

New, Sam H., Jr., and R. L. McCuiston, Austin, Tex. Spark and gas control. 2,633,757, Apr. 7.

Newark Stove Company, assignee: *See*—
Chesser, Cecil E.

Newaygo Engineering Company, assignee: *See*—
Bell, Millard J.

Newbegin, John L., Westfield, and H. W. Griswold, Longmeadow, Mass., assignors to Chicopee Manufacturing Corporation. 2,633,607, Apr. 7.

Newberg, Raymond G.: *See*—
Smith, Paul V., Jr., Young, and Newberg.
Young, David W., and Newberg.

Newbery, Stanley, assignor of one-half to Stanley Newbery Limited, New Barnet, England. Garment and like presses. 2,656,625, Oct. 27.

Newbery, Stanley, Limited, assignee: *See*—
Newbery, Stanley.

Newberry, Sterling P., Jr., Schenectady, N. Y., assignor to General Electric Company. Vacuum seal. 2,647,774, Aug. 4.

Newbill, Robert W., Jr., San Fernando, Calif., assignor to North American Aviation, Inc. Test pad. 2,647,399, Aug. 4.

Newbold, Park L., Cedar Rapids, Iowa. Carton cutter. 2,632,945, Mar. 31.

Newbold, Park L., Cedar Rapids, Iowa. Cigarette recaser with elevator unit and pusher mechanism. 2,644,627, July 7.

Newbold, Park L., Cedar Rapids, Iowa. Check-out device. 2,650,678, Sept. 1.

Newbower, Leo, Gloversville, assignors to E. and J. Higier, doing business as The Super Glove Company, Johnstown, N. Y. Glove construction. 2,644,164, July 7.

New Britain Machine Company, The, assignee: *See*—
Barry, John J., and Retz.
Gridley, George O.
Jobert, Arthur H.
Montgomery, Donald H.
Retz, William B.
Rockwell, Edward A.
Stephan, Hallis N.

Newburgh Metal Mfg. Corp., assignee: *See*—
Kirchofer, Alvin.

Newbury, Edwin W.: *See*—
Cheronis, Nicholas D., and Newbury.

Newbury, Paul L.: *See*—
Cheek, Robert C., and Newbury.

Newby, Neal D.: *See*—
Malthaner, William A., Newby, and Vaughan.

Newby, Neal D., Leonia, and H. E. Vaughan, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for generating time position dial pulses. 2,648,836, Aug. 11.

Newby, Thomas H., Middlebury, Conn., assignor to United States Rubber Company, New York, N. Y. Compositions of matter stabilized with isobornyl derivatives. 2,628,953, Feb. 17.

Newby, Thomas H., Middlebury, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,660,605, Nov. 24.

Newby, Thomas H., Middlebury, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,660,606, Nov. 24.

New Castle Products, Inc., assignee: *See*—
Planeaux, Marvin J.

Newcomb, Delmar C.: *See*—
Rowley, Russell A., and Newcomb.

Newcomb, Edwin W., Greenfield, Mass. Device for plumbing vertical objects. 2,624,953, Jan. 13.

Newcomb, Leroy, Los Angeles, Calif., and A. A. Ashton, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Transmission having power coupling device. 2,627,042, Jan. 27.

Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Rotary fluid coupling and thermostatic control therefor. 2,631,432, Mar. 17.

Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Deicer for jet engines. 2,645,080, July 14.

Newcomb, Philip P., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Drive for propellers. 2,652,730, Sept. 22.

Newcomb, Robert D., assignee: *See*—
Warner, Donald E.

Newcomb, Walter C.: *See*—
Tuttle, Fordyce E., and Newcomb.

Newcomer, Jack S.: *See*—
McBee, Earl T., and Newcomer.

Newcomer, Everett J., Kew Gardens, assignor to City Vending Equipment Corp., Maspeth, N. Y. Article handling machine. 2,632,681, Mar. 24.

Newcomer, Jack S.: *See*—
McBee, Earl T., and Newcomer.

Newcomer, Jack S., Salt Lake City, Utah. Manufacture of hexachlorocyclopentadiene. 2,631,171, Mar. 10.

Newcum, Kenneth M., assignor to Remco Incorporated, Zelienople, Pa. Indicator for visually observing flow of a liquid through a pipe. 2,660,144, Nov. 24.

Newell, Carl D., Clarksburg, W. Va. Drinking glass construction. 2,660,039, Nov. 24.

Newell, Earl L.: *See*—
Bramhall, Fay B., Newell, Wells, and Cramer.

Newell, Ernest, & Company Limited, assignee: *See*—
Howden, Peter.

Newell, Frank, Chicago, Ill., assignor to Pangborn Corporation, Hagerstown, Md. Blast cleaning. 2,652,662, Sept. 22.

Newell, Frederick T., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Large diameter coupling. 2,650,839, Sept. 1.

Newell, Isaac L., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Expanded plastics. 2,626,908, Jan. 27.

Newell, James K.: *See*—
Fisher, Alec, and Newell.

Newell, Kenneth F., Longmeadow, assignor to Package Machinery Company, East Longmeadow, Mass. Device for removing cards from between stacked articles. 2,637,451, May 5.

Newell Manufacturing Company, assignee: *See*—
Altenburger, Ira O.

Newell, Robert E., Jr., Irwin, Pa. Burner control valve. 2,632,504, Mar. 24.

Newell, Sidney W., Danville, assignor to The Union Diesel Engine Company, Oakland, Calif. Control system for diesel engines. 2,628,607, Feb. 17

Newell, Stephens, Mentor, Ohio. Convertible container and closure therefore. 2,640,626, June 2.

Newell, William H., New York, H. F. McKenney, Flushing, and L. J. Scheuer, Farmingdale, N. Y., assignors to The Sperry Corporation. Distortionless electrical resolver. 2,646,218, July 21.

New England Spectrochemical Laboratories, assignee: *See*—
Norman, Daniel P.

Newey, Herbert A.: *See*—
Shokal, Edward C., Newey, and Bradley.

Newey, Herbert A., Lafayette, and E. C. Shokal, Walnut Creek, assignors to Shell Development Company, Emeryville, Calif. Curing glycidyl polyethers with N,N-dialkyl-1,3-propanediamines. 2,642,412, June 16.

Newhall, Benjamin G., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Plate apparatus and press. 2,639,126, May 19.

Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin sewing and trimming machine. 2,632,415, Mar. 24.

Newhall, Donald H., Walpole, Mass. Packed piston for high-pressure cylinders. 2,663,600, Dec. 22.

Newhall, John K., Aurora, Ill. Blossom preserving and display container. 2,632,286, Mar. 24.

New Haven Clock and Watch Company, The, assignee: *See*—
De Negre, Louis.

New Haven Copper Company, The, assignee: *See*—
Koenig, Edward H., and Chesnavich.

New Holland Machine Division of the Sperry Corporation, The, assignee: *See*—
Collins, Avery B.
Hill, George B.
Hill, George B., and King.
Happe, Melvin J.
Nolt, Edwin B.
Redrow, Allan R.

Newhouse, Edward J., assignee: *See*—
Dibble, Vaughan R., and V. R. Dibble, Jr.

Newhouse, George A., Yorktown, assignor to N. G. Gilbert, Muncie, Ind., as trustee. Spirally arranged toothed cultivator wheel. 2,650,460, Sept. 1.

Newhouse, Paul D., Salix, Iowa, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dielectric heating with rotatory work-receiving element. 2,644,073, June 30.

Newhouse, Paul D., Salix, Iowa, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Conveyer system for induction heating. 2,650,290, Aug. 25.

New Jersey Machine Corporation, assignee: *See*—
Von Hofe, George W.

New Jersey Zinc Company, The, assignee: *See*—
Handwerk, Erwin C.
Handwerk, Erwin C., Mahler, and Held.
Wimberly, Joseph J.

Newland, Isaac A., Duluth, Minn. Life line for boats. 2,651,789, Sept. 15.

Newlin, George M., Farmington, Mich., assignor to Willys-overland Motors, Inc., Toledo, Ohio. Vehicle mounted implement. 2,626,553, Jan. 27.

Newlyn, Thomas J., Los Angeles, Calif. Cold cream and chemical cream dispensing jar and container with follower resting on a vertical column. 2,628,743, Feb. 17.

Newly Weds Baking Co., assignee: *See*—
Angell, Paul M.
Angell, Paul M., and Benn.

Newman, Albert, Cleveland Heights, assignor of twenty-five per cent to W. Isler, Cleveland, Ohio. Disposable sheath for hair combs. 2,646,804, July 28.

Newman, Albert K.: *See*—
Abbott John A., Barber, Newman, and Schindler.

Newman, Douglas A., Sea Cliff, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Manifolding. 2,653,830, Sept. 29.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Planographic plate and making same. 2,655,101, Oct. 13.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Making planographic plates. 2,655,864, Oct. 20.

Newman, Edgar W., Evansville, Ind. Car top boat carrier. 2,624,497, Jan. 6.

Newman, Edward A., Teddington, D. W. Davies, Southsea, and R. F. Braybrook, South Kensington, London, assignors to National Research Development Corporation, London, England. Electrical signal distribution system. 2,645,714, July 14.

Newman, Edwin B., and J. Volkmann, Cambridge, Mass., assignors to the United States of America as represented by the Office of Scientific Research and Development. Flexible microphone suspension. 2,647,956, Aug. 4.

Newman, Frank G.: *See*—
Wulff, Cal W., and Newman.

Newman, Irving, Brooklyn, N. Y. Lap tray with leg engaging means. 2,663,603, Dec. 22.

Newman, John H., St. Paul, Minn. Tally board. 2,628,776, Feb. 17.

Newman, Joseph, Philadelphia, Pa. Bullion fringe. 2,646,671, July 28.

Newman, Leopold, assignor to Falcon Fasteners, Inc., New York, N. Y. Fastening means. 2,660,084, Nov. 24.

Newman, Melvin S., Columbus, Ohio, and W. B. Wheatley, Syracuse, N. Y., assignors to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,653,894, Sept. 29.

Newman, Morris M., St. Paul, assignor to Lightning & Transients Research Institute, Inc., Minneapolis, Minn. Apparatus for static pulse rejection. 2,654,835, Oct. 6.

Newman, Percy A.: *See*—
Creson, William K., Newman, and Berghoff.

Newman, Richard N., Coventry, assignor to Humber Limited, Coventry, England. Attaching means for vehicle roof lining. 2,635,917, Apr. 21.

Newman, Robert J., and D. S. Friend, London, England. Labeling machine. 2,639,831, May 26.

Newman, Ruth R., assignee: *See*—
Hirshstein, Joseph.

Newmark, Marshall F., assignor to Progressive Products, Inc., La Mesa, Calif. Antithumb-sucking device. 2,633,126, Mar. 31.

Newmaster, Walter H., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Wheel and shaft mounting for side delivery rakes. 2,649,082, Aug. 25.

Newmaster, Walter H., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Wheel and shaft mounting for vehicles. 2,662,786, Dec. 15.

New Method Equipment Company, assignee: *See*—
Beason, Robert L.

Newmont Mining Corporation, assignee: *See*—
Brant, Arthur A.
Seigel, Harold O.

Newnham, Bernard L. G., North Walsham, England. Ironing machine. 2,643,473, June 30.

New Orleans Furniture Manufacturing Company, assignee: *See*—
Zwirek, Paul P.

Newschwander, Wilfrid W., Ellensburg, Wash., assignor to Shell Development Company, San Francisco, Calif. Corrosion inhibition with nitrobenzaldehydes. 2,662,808, Dec. 15.

Newsom, James B.: *See*—
Haines, William T., and Newsom.

Newsome, James W., Belleville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Converting crystalline alumina hydrate to alpha alumina. 2,642,337, June 16.

Newsome, William P., Sedley, Va. Ignition timing device. 2,664,012, Dec. 29.

News Syndicate Co., Inc., assignee: *See*—
Richardson, Henry M., and Baumrucker.

Newswanger, Thomas A., Holtwood, Pa. Cleaning apparatus for bowling balls and the like. 2,624,898, Jan. 13.

Newton, Alwin B., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Float valve for pot type oil burners. 2,634,746, Apr. 14.

Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor unloading apparatus. 2,638,265, May 12.

Newton, Alwin B., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for vaporizing liquid fuel. 2,657,744, Nov. 3.

Newton, Burton E.: *See*—
Harris, Carl C., and Newton.

Newton, Charles G., Hamilton, Ontario, Canada, assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa. Yarn carrier of knitting machines. 2,656,693, Oct. 27.

Newton, Charles G., Jr., Newburyport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe upper provided with protective spray cover and forming same. 2,651,856, Sept. 15.

Newton Clutch Company, assignee: *See*—
Lavash, Francis L.

Newton, David L., Niagara Falls, Ontario, Canada. Oil burner. 2,655,209, Oct. 13.

Newton, George R.: *See*—
Silverman, Daniel, Newton, and Skinner.

Newton, John C.: *See*—
Jude, George F., Newton, Brannin, and Halpert.

Newton, John C., Roslyn Heights, N. Y., assignor to The Sperry Corporation. Autopilot. 2,646,946, July 28.

Newton, Lawrence W., South Charleston, W. Va., assignor to Union Carbide and Carbon Corporation. Preparation of alkyl substituted aromatic ketones. 2,645,663, July 14.

Newton, Robert, East Melbourne, Victoria, Australia. Gas meter. 2,654,247, Oct. 6.

Newton, Robert, East Melbourne, Victoria, Australia. Lubricated gas meter. 2,654,248, Oct. 6.

Newton, Russell B., and O. L. Williamson, assignors to Dan River Mills, Inc., Danville, Va. Thread treating machine. 2,649,071, Aug. 18.

New York Air Brake Company, The, assignee: *See*—
Dolch, William C.
Elsworth, John V.
Hodgson, Robert F., and Dolch.
Huber, Matthew W.
Kirkham, Hall.
Klein, William F.
Pickert, Mark.
Ptak, Raymond H.
Rosaean, Oscar E.
Stacey, Hugh J.
Stephens, William T.

New York Central Railroad Company, The, assignee: *See*—
Simpson, Arthur L.

New York Pressing Machinery Corporation, assignee: *See*—
Cole, Hyman E., and Olsen.

Nex, Robert W.: *See*—
Hanson, William J., and Nex.

Ney, William O., Jr., Providence, W. R. Nummy, Warren, and C. E. Barnes, Gloucester, assignors to Arnold, Hoffman & Co., Incorporated, Providence, R. I. Polymerization process for N-vinyl pyrrolidone. 2,634,259, Apr. 7.

Ney, William O., Jr., Providence, W. R. Nummy, Warren, and C. E. Barnes, Gloucester, assignors to Arnold, Hoffman & Co., Incorporated, Providence, R. I. Polymers from pyrrolidone. 2,638,463, May 12.

Ney, William O., Jr., Somerset Center, Mass., assignor to General Aniline & Film Corporation, New York, N. Y. Dehydrohalogenation of dihalopropionic acid compounds. 2,640,073, May 26.

Ney, William O., Jr., Somerset Center, Mass., assignor to General Aniline & Film Corporation, New York, N. Y. Purification of α-chloroacrylic acid esters. 2,647,922, Aug. 4.

Niagara Blower Company, assignee: *See*—
Deverall, Charles N.
Kals, Walter.
Stutz, Robert C.

Niagara Machine & Tool Works, assignee: *See*—
Dean, Reeve W.
Munschauer, Frederick E.

Niagara Packaging Machinery Corporation, assignee: *See*—
Richard, Charles F.

Nibert, Benjamin E., Edinburg, Tex. Display device. 2,629,187, Feb. 24.

Niccoli, Piero, Firenze, Italy. Ozonizers. 2,643,224, June 23.

Nichinson, David B.: *See*—
Cady, Willoughby M.

Nicholas, Amelia O., Butler, Pa. Container for dishwashing machines. 2,635,760, Apr. 21.

Nicholas, Andrew J., Farmington, Conn. Household carbonator. 2,647,734, Aug. 4.

Nicholls, Kenneth H.: *See*—
Rose, Alfred G., and Nicholls.

Nicholls, Malcolm B., Cincinnati, Ohio, assignor to Troy Engine and Machine Company, Troy, Pa. Apparatus for mixing finely divided solid particles and liquid. 2,657,911, Nov. 3.

Nicolls, Wilfrid E. W., Pinner, assignor to C. A. V. Limited, London, England. Governor for liquid fuel injection pumps. 2,659,354, Nov. 17.

Nichols, Beverly R.: *See*—
Rheingans, William J., and Nichols.

Nichols, Cecil C., Memphis, Tenn. Combination invalid stretcher carrier. 2,627,611, Feb. 10.

Nichols, Charles A., and L. E. Poole, Anderson, and D. G. Mahoney and M. D. McShurley, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Stack elevator for assembling apparatus. 2,635,876, Apr. 21.

Nichols, Charles A., Anderson, M. E. Todd, Windfall, W. A. Fletcher, Daleville, and C. J. Keller, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for heating comminuted molding material. 2,637,070, May 5.

Nichols, Charles A., C. L. Clevenger, and F. L. Zion, Anderson, and W. A. Fletcher, Daleville, Ind., assignors to General Motors Corporation, Detroit, Mich. Commutator for dynamoelectric machines. 2,648,022, Aug. 4.

Nichols, Charles A., and A. E. Riggs, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Breaker arm. 2,658,129, Nov. 3.

Nichols, Charles M., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Cooling apparatus. 2,657,036, Oct. 27.

Nichols, Charles T., Portland, assignor to Quik Pac Division of H. Wesley Hutchins Company, Auburn, Maine. Apparatus for packaging commodities with trough member supported between plates. 2,640,638, June 2.

Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Temple thread cutter for looms. 2,635,647, Apr. 21.

Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Leno weaving. 2,647,541, Aug. 4.

Nichols, Elton F.: *See*—
Sprague, Frank, and Nichols.

Nichols, Harry J., New York, N. Y. Controllable pitch propeller. 2,629,451, Feb. 24.

Nichols, Lloyd M., Pittsburg, Kans. Automobile hitch. 2,637,566, May 5.

Nichols, Mabel T., executrix: *See*—
Nichols, Malcolm P.

Nichols, Malcolm P., deceased, North Haven, Conn., by M. T. Nichols, executrix, assignor to The E. Ingraham Company, Bristol, Conn. Timekeeping magnetic escapement and rotor unit therefor. 2,654,989, Oct. 13.

Nichols, Nathan P., Danvers, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Plug-in magnetron and mount therefor. 2,624,865, Jan. 6.

Nichols, Nathaniel B.: *See*—
Griswold, Augustus W., and Nichols.
Ingalls, Clyde E., and Nichols.

Nichols, Nathaniel B., assignor to Taylor Instrument Companies, Rochester, New York, N. Y. Digital indicating arrangement for measuring systems. 2,625,822, Jan. 20.

Nichols, Nathaniel B., Wellesley, and J. P. Aloisio, Somerville, assignors to Raytheon Manufacturing Company, Newton, Mass. Electric motor control. 2,652,525, Sept. 15

Nichols, Okey E., Charleston, W. Va. Collar support. 2,627,605, Feb. 10.

Nichols, Proctor W.: *See*—
Whittingham, John C., and Nichols.

Nichols, Ralph G., St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y. Streamlined vestibule connection. 2,636,448, Apr. 28.

Nichols, Ralph G., St. Charles, Mo., assignor to American Car and Foundry Company, New York, N. Y. Safety device for sliding doors. 2,643,421, June 30.

Nichols, Sydney A.: *See*—
Molins, Desmond W., Ruau, Harvey, and Nichols.

Nichols, Talley W., Pasadena, Tex. Toy cap pistol and cartridge. 2,655,755, Oct. 20.

Nichols, Thomas W., Hutton, England. Rotary compressor. 2,654,532, Oct. 6.

Nichols, Troy L.: *See*—
Hunt, Theodore M., and Nichols.

Nichols, William: *See*—
Merkley, Zane W., and Nichols.

Nichols, William M., Schenectady, assignor to American Locomotive Company, New York, N. Y. Fuel pump delivery valve. 2,656,851, Oct. 27.

Nichols Wire and Steel Company, assignee: *See*—
Fey, Mathias J.

Nicholson, Andrew: *See*—
Hyams, Montagu, and Nicholson.

Nicholson, Dean, Klondyke, Ariz. Hat holder and hanger support. 2,643,773, June 30.

Nicholson, Edward W. S.: *See*—
Carr, James W., Jr., Griffin, and Nicholson.

Nicholson, Edward W. S., Baton Rouge, La., assignor to Standard Oil Development Company. Adsorption-desorption process. 2,660,262, Nov. 24.

Nicholson, George A., assignee: *See*—
Hale, Gerald A.

Nicholson, George E.: *See*—
McGay, John, and Nicholson

Nicholson, Gordon E.: *See*—
Schweighofer, Horst M., and Nicholson.

Nicholson, James A., Toledo, Ohio. Dump truck body. 2,658,795, Nov. 10.

Nicholson, James W., Bellingham, Wash. Sleeping bag made of paper. 2,625,695, Jan. 20.

Nicholson, Joseph S., Montreal, Quebec, Canada. Key container. 2,634,599, Apr. 14.

Nicholson, Kenneth C., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory carbide and nitride product and making. 2,636,825, Apr. 28.

Nicholson, Kenneth C., assignor to The Carborundum Company, Niagara Falls, N. Y. Silicon carbide refractory. 2,636,826, Apr. 28.

Nicholson, Kenneth C., assignor to The Carborundum Company, Niagara Falls, N. Y. Silicon nitride-bonded refractory oxide bodies and making. 2,636,828, Apr. 28.

Nicholson, Kenneth C., assignor to The Carborundum Company, Niagara Falls, N. Y. Bonded silicon carbide articles and making same. 2,637,091, May 5.

Nicholson, Kenneth C., assignor to The Carborundum Company, Niagara Falls, N. Y. Fluid cooled, refractory, ceramic lined rocket structure. 2,658,332, Nov. 10.

Nicholson, Marion C., Detroit, Mich. Dressmaker's measuring device. 2,648,907, Aug. 18.

Nicholson, Samuel S.: *See*—
Gill, Willie, and Nicholson.

Nickas, Chris, Jr., Farmington, W. Va. Vise jaw combination. 2,646,708, July 28.

Nickel, Willard T.: *See*—
Jorgensen, Clarence H., and Nickel.
Jorgensen, Clarence H., Nickel, Dietrich, and Worden.

Nickells, Stanley W., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. 2,626,379, Jan. 20.

Nickerson, Elmer K., assignor to The Chapman Valve Manufacturing Company, Springfield, Mass. Valve. 2,638,124, May 12.

Nickerson, Ralph F., Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Treating natural cellulose textiles to partially esterify them and then treating with a resin condensation product and products resulting therefrom. 2,646,340, July 21.

Nicki, Edwin F., Cedar Grove, N. J., assignor to Radio Corporation of America. Apparatus and method for forming and mounting damper bars on grids. 2,642,648, June 23.

Nickles, Earl C., Natick, assignor to Warren E. Collins, Inc., Boston, Mass. Adjustable head-end collar for respirators. 2,630,799, Mar. 10.

Nickless William H., Arlington, and L. Grunfelder, Bergenfield, assignors to Allied Electric Products, Inc., Irvington, N. J. Geometrically coated cathode-ray tube. 2,631,254, Mar. 10.

Nickson, Philip T., East Braintree, assignor to Raytheon Manufacturing Company, Newton, Mass. Correction device for function generators. 2,652,195, Sept. 15.

Nicolai, Lloyd A., and B. V. Molstedt, Baton Rouge, La., assignors to Standard Oil Development Company. Fluid-type retorting of oil shale. 2,634,233, Apr. 7.

Nicolai, Lloyd A., Baton Rouge, La., assignor to Standard Oil Development Company. Fluid-type shale retorting. 2,643,218, June 23.

Nicolas, William A., Girard, Kans. Bag holder. 2,639,110, May 19.

Nicolaus, Frank G., Chicago, Ill., assignor to R. T. Moloney. Actuating mechanism especially for hand levers. 2,627,752, Feb. 10.

Nicolay, Karl, assignor to Duerkoppwerke Aktiengesellschaft, Bielefeld, Germany. Perforating machine. 2,660,244, Nov. 24.

Nicolet, Nicholas E., assignor of thirty-three and one-third per cent to T. Hafner, New York, N. Y. Improvement in or relating to slide rules. 2,656,978, Oct. 27.

Nicoli, Ida J., Framingham, Mass. Sponge mop and the like. 2,653,341, Sept. 29.

Nicoli, Ida J., Framingham, Mass. Device for manual cleaning of Venetian blind slats. 2,658,221, Nov. 10.

Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,631,259, Mar. 10.

Nicolle, Charles, Gentilly, France. Machine for packing tablets and similar articles. 2,645,070, July 14.

Nicollé, Charles, Gentilly, France. Preparing moisture-proof wrappings for perishable articles. 2,651,154, Sept. 8.

Nicolls, Wilfrid E. W.: *See*—
Evans, Fraser M., and Nicolls.

Nicolls, Wilfrid E. W., Pinner, assignor to C. A. V. Limited, London, England. Liquid fuel injection pump for internal-combustion engines. 2,638,053, May 12.

Nicolls, Wilfrid E. W., Pinner, assignor to C. A. V. Limited, London, England. Lubrication system for reciprocatory plunger pump. 2,658,458, Nov. 10.

Nicolson, Garth F.: *See*—
Hertel, Richard K., and Nicolson.

Niebling, Kurt, Munich, Germany. Apparatus for and method of electric welding of films of polyvinyl chloride or like thermoplastic material. 2,631,222, Mar. 10.

Nieburg, Felix, Stockholm, Sweden. Fuel-distance meter. 2,663,186, Dec. 22.

Niedenthal, William F., Brookville, Ind. Caiking mechanism for holding mobile winching units. 2,636,577, Apr. 28.

Niederer, Herbert O.: *See*—
Niederer, Otto C., H. O., and Otto.

Niederer, Otto: *See*—
Niederer, Otto C., H. O., and Otto.

Niederer, Otto C., H. O., and Otto, Titusville, N. J. Discharge device for weighing mechanism. 2,640,168, July 21.

Niederhauser, Warren D., assignor to Rohm & Haas Company, Philadelphia, Pa. Chloropentenyl ethers. 2,653,173, Sept. 22.

Niedringhaus, Charles W.: *See*—
Knoll, Florence S., and Niedringhaus.

Niehaus, Roy R.: *See*—
Heitman, Clarence H., and Niehaus.

Nielsen, Peter: *See*—
Nielsen, Richard C., and Nielsen.
Simonsen, Vilhelm, and Nielsen.

Nielsen, Richard C. and P., assignors of one-half to Jubilee Manufacturing Company, Omaha, Nebr., and one-half to E. A. Laboratories, Inc., Brooklyn, N. Y. Electric horn. 2,634,408, Apr. 7.

Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Split clearing mechanism. 2,656,110, Oct. 20.

Niemann, Frederick A., Chicago, and R. J. Koch, Winnetka, assignors to Felt & Tarrant Manufacturing Company, Chicago, Ill. Record sheet holder. 2,630,121, Mar. 3.

Niemann, Henry F., assignor of fifty percent to S. D. Beckley, Sedalia, Mo. Device for recrimping the head seams of drums. 2,655,120, Oct. 13.

Niemeier, James R., Evansville, Ind. Portable hod rack. 2,653,781, Sept. 29.

Niemeyer, Howard: *See*—
Ford, Wilbur E., and Niemeyer.

Niemitz, Gerhard, Bronx, assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Pulverulent material classifying means. 2,638,217, May 12.

Nier, Alfred O. C., Minneapolis, Minn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Ion selector. 2,660,677, Nov. 24.

Nierenberg, Richard N., and W. Mungall, Dayton, Ohio. Device for trans-illuminating transparencies. 2,646,637, July 28.

Nierhaus, Henry, Scarsdale, assignor to Stoffel Seals Corporation, Tuckahoe, N. Y. Tool for the application of seals. 2,630,568, Mar. 10.

Nierhaus, Henry, Scarsdale, assignor to Stoffel Seals Corporation Tuckahoe, N. Y. Seal. 2,631,054, Mar. 10.

Nies, Brainard W., Crystal Lake, and E. W. Duffy, assignors to United States Gypsum Company, Chicago, Ill. Preparing patterns. 2,639,478, May 26.

Niesemann, Fritz, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Breather valve. 2,634,088, Apr. 7.

Nigro, Julia, Kansas City, Mo. Combination garment and safety harness. 2,635,245, Apr. 21.

Nihon, Alexis, Montreal, Quebec, Canada. Window. 2,625,218, Jan. 13.

Nikazy, Walter A.: *See*—
Borden, Joseph H., and Nikazy.

Nikkel, Albert, Shafter, Calif. Irrigation border dam forming machine. 2,625,092, Jan. 13.

Niklason, Clarence R., Arlington County, Va. Confection molding. 2,649,057, Aug. 18.

Niland, Thomas K., Houston, Tex. Wire and cable rewinder. 2,652,630, Sept. 22.

Niles-Bement-Pond Company, assignee: *See*—
Barr, John M.
Chandler, Milton E.
Feeney, William H., and Smithson.
Jaeger, Jacob J.
Ladrach, Aaron G.
Lee, Leighton, II.
Makant, Joseph E., Smithson, and Wunschel.
Mueller, Paul M.
Potter, William W., and Fuller.
Stafford, Bernard A.
Tapley, Gordon P.
Woodward, James S.

Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Thermosetting resins and preparing same. 2,632,700, Mar. 24.

Nilson, Arne, and R. F. Onsrud, assignors to Onsrud Machine Works, Inc., Chicago, Ill. Turbine governor. 2,641,441, June 9.

Nilsson, Einar W., Youngstown, Ohio. Apparatus for processing round bars and tubes. 2,655,194, Oct. 13.

Nilsson, Ernst L.: *See*—
Wetterholm, Gustav A., and Nilsson.

Nilsson, Fabian, Stockholm, Sweden. Lock mechanism. 2,656,707, Oct. 27.

Nilsson, Hans E., Handol, assignor to Aktiebolaget Tegelindustriella Byran, Stockholm, Sweden. Fork for elevating trucks. 2,656,943, Oct. 27.

Nilsson, Hans Robert: *See*—
Lindhagen, Teodor L., and Nilsson.

Nilsson, Hans R., and T. I. Lindhagen, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., trustees. Elastic fluid power plant. 2,627,162, Feb. 3.

Nilsson, Hans R., Stockholm, and S. I. Trulsson, Enskede, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., trustees. Independent synchronization. 2,659,239, Nov. 17.

Nilsson, Henry O.: *See*—
Phillips, Leonard R., and Nilsson.

Nilsson, Johan G., Appelviken, assignor to Arenco Aktiebolag, Stockholm, Sweden. Apparatus for delivering liquids to receptacles. 2,650,013, Aug. 25.

Nilsson, Tore R., Bromma, and K. E. Sandegren, Stockholm, Sweden. Making available the bitter substances from hops. 2,652,333, Sept. 15.

Nimmo, Robert H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of diphenylamine. 2,645,662, July 14.

Nims, Paul T., and B. C. Jacob, Jr., Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Control for propeller governor having delayed propeller speed regulation. 2,661,806, Dec. 8.

Nineberg, Edward, assignor to B. Sugarman, Chicago, Ill. Copyholder with two-way cover. 2,653,509, Sept. 29.

Ninneman, Eric O., G. L. Webster, J. Hohl, and O. Bjering, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Cap feeding mechanism. 2,659,522, Nov. 17.

Niro Corporation, assignee: *See*—
Nyron, Johan E.

Nisbet, Alexander R., Sr., San Angelo, Tex. Fiber transfer and cleaning means. 2,625,713, Jan. 20.

Nisbet, Alexander R., Sr., San Angelo, Tex. Method and apparatus for cleaning seed cotton and other fibrous materials. 2,632,923, Mar. 31.

Nisbet, James D., Schenectady, N. Y., assignor to General Electric Company. Precipitation hardenable iron base alloy. 2,661,284, Dec. 1.

Nisbet, John L., San Angelo, Tex. Cotton picking machine. 2,644,286, July 7.

Nischan, John C., Hammond, Ind. Draw punch. 2,633,197, Mar. 31.

Nisenson, Jules, New York, N. Y. Cooking device. 2,635,529, Apr. 21.

Nisenson, Jules, Croton-on-Hudson, N. Y. Cooking apparatus. 2,654,307, Oct. 6.

Nitchie, Charles D., Haddonfield, assignor to Samuel M. Langston Co., Camden, N. J. Machine for making corrugated paper. 2,638,962, May 19.

Nitroglycerin Aktiebolaget, assignee: *See*—
Wetterholm, Gustav A., and Nilsson.

Nittskoff, William, assignee: *See*—
Norwich, Adam T.

Nitz, John W., assignee: *See*—
Hawkes, Lawrence H.

Nitzsche, Siegfried, Burghausen, Upper Bavaria, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Bavaria, Germany. Accelerated condensing organopolysiloxane compositions. 2,645,629, July 14.

Nitzsche, Siegfried, Burghausen, Upper Bavaria, assignor, by mesne assignments, to Wacker-Chemie G. m. b. H., Munich, Germany. Production of silicon lacquers. 2,647,880, Aug. 4.

Nitzsche, Siegfried, Burghausen, Oberbayern, and E. Wiberg, and A. Hertwig, Seelze, Munich, Germany. Production of organosilanes. 2,640,065, May 26.

Nitzsche, Siegfried, and E. Pirson, Burghausen, Oberbayern, assignors, by mesne assignments, to Wacker-Chemie G. m. b. H., Munich, Germany. Production of methylhydrogenpolysiloxane. 2,647,911, Aug. 4.

Nitzsche, Siegfried, and E. Pirson, Burghausen, Upper Bavaria, assignors, by mesne assignments, to Wacker-Chemie G. m. b. H., Munich, Germany. Production of hydrolyzable siloxanes. 2,638,908, Nov. 10.

Niven, Archie M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wheel structure. 2,640,729, June 2.

Nivoix, Jean, La Plaine Saint-Denis, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Circuit interrupting fuse. 2,662,952, Dec. 15.

Nix, John C., III, Tuscaloosa, Ala. Paper cutter for paper mill drying rollers. 2,629,182, Feb. 24.

Nixdorff, Samuel P.: *See*—
Alexanderson, Ernst F. W., and Nixdorff.

Nixon, Alan C., Berkeley, and C. H. Deal, Jr., Alameda, assignors to Shell Development Company, San Francisco, Calif. Contacting hydrocarbon mixtures with antimony trichloride. 2,638,441, May 12.

Nixon, Helen S., assignee: *See*—
Salisbury, Raymond R.

Nixon, Jeddy D., New Braunfels, Tex. Apparatus for secondary recovery in oil wells. 2,624,410, Jan. 6.

Nixon, Jeddy D., New Braunfels, assignor of one-half to Wilson Supply Company, Houston, Tex. Automatic well flow valve. 2,646,062, July 21.

Nixon, John E. A.: *See*—
Cooper, Victor J., and Nixon.

Nixon, Leslie R., New Eltham, London, assignor to J. Stone & Company Limited, London, England. Power transmission gearing for the running axle of vehicles. 2,664,003, Dec. 29.

Nixon, Maurice W., Belleville, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Rotor for corn shellers. 2,626,611, Jan. 27.

Nixon Nitration Works, assignee: *See*—
Orsini, Camillo D.
Sorenson, Roy A.

Nizery, André R. M., assignor to Centre National de la Recherche Scientifique, Paris, France. Transporting float. 2,650,558, Sept. 1.

Noack, Walter, and H. Naumann, assignors to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Indicating device for photographic cameras. 2,637,253, May 5.

Noakes, Thomas E.: *See*—
Dillman, Earnest J., and Noakes.

Noberett, Albert, Brooklyn, N. Y. Curtain hanger with curtain rod attachment. 2,659,492, Nov. 17.

Noble Co., assignee: *See*—
Farley, Philip S.
Schutte, William H.

Noble, Spencer W.: *See*—
Uttley, Albert M., Noble, Bannister, and Ord.

Noble, Wiley B., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 2,647,804, Aug. 4.

Noble, Wiley B., assignor to Reed Roller Bit Company, Houston, Tex. Roller bit. 2,664,321, Dec. 29.

Noble & Wood Machine Company, assignee: *See*—
Hayes, Frank.
Roberson, Cyrus E.

Noë, Alfons F.: *See*—
Pfannmuller, Julius W., and Noë.

Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Letoff device for knitting machines. 2,624,184, Jan. 6.

Noe, Harold C., Upper Montclair, N. J. Fluid energy transmission, conversion, and storage system and power cycle therefor. 2,632,995, Mar. 31.

Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Guide bar lifting mechanism for warp knitting machines. 2,634,594, Apr. 14.

Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Variable-speed drive for fabric take-up roll of warp knitting machines. 2,649,811, Aug. 25.

Noe, Harold C., Upper Montclair, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Needle mounting for knitting machines. 2,654,237, Oct. 6.

Noecker, Marshall V., Detroit, Mich. Sliding screen assembly. 2,661,059, Dec. 1.

Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp unit and support structure therefor. 2,650,321, Aug. 25.

Noel Precision Corporation, assignee: *See*—
Negri, Frank G.

Nofsinger, Earl L., Wellington, Kans. Toilet ventilating device. 2,631,298, Mar. 17.

Nofzinger, Earl E., assignor to Gibson Refrigerator Company, Greenville, Mich. Apparatus for soldering. 2,634,697, Apr. 14.

Nogier, Louis: *See*—
Gallice, Pierre P. and L., and Nogier.

Nogier, Paul: *See*—
Gallice, Pierre P. and L., and Nogier.

Nogler, Raymond S., Pasadena, and S. D. Menzies, Manhattan Beach, assignors to Catalina, Inc., Los Angeles, Calif. Puckered fabric. 2,649,062, Aug. 18.

Noguera, Joseph, Salford, assignor to Casablancas High Draft Company Limited, Salford, Manchester, England. Drafting mechanism for textile fibers. 2,645,823, July 21.

Nolan, Charles, Jacksonville, Fla. Seat-attached bassinet. 2,653,330, Sept. 29.

Nolan Company, The, assignee: *See*—
Merritt, Glenn W.

Nolan, William F.: *See*—
Hellman, Raymond B., Nolan, and Binder.
Steele, Bernard R., and Nolan.

Noland, Wayne B., assignor to Woodford Hydrant Company, Des Moines, Iowa. Improvement in wall hydrant of the nonfreezing type. 2,652,224, Sept. 15.

Nolcken, Woldemar G., Headington, Oxford, assignor to Pressed Steel Company Limited, Cowley, Oxford, England. Control valve for fluid systems. 2,663,998, Dec. 29.

Nolcox, Matthias, Indianapolis, Ind. Automobile passing signal. 2,644,148, June 30.

Nolde, Arthur H., and A. D. Guagliardo, Wauwatosa, assignors to The Falk Corporation, Milwaukee, Wis. Grooving tool. 2,629,269, Feb. 24.

Noll, Heinrich Arnold, Duesseldorf, Germany, assignor to H. H. and H. Manufacturing Co., Chicago, Ill. Centrifugal grinding mill with abrasive liner and angularly disposed feed conduit. 2,651,471, Sept. 8.

Noll, Paul E.: *See*—
Aller, T. Dwight, and Noll.

Noll, Robert A., Newport, Ky., and O. D. Frampton, Wyoming, Ohio, assignors to National Distillers Products Corporation. Concentration of methionine in amino acid mixtures. 2,627,525, Feb. 3.

Nolt, Edwin B., assignor to The New Holland Machine Division of the Sperry Corporation, New Holland, Pa. Automatic slack take-up mechanism. 2,625,829, Jan. 20.

Nolte, Albert C., assignee: *See*—
Zuckerman, Sidney.

Nolten, Jacobus, assignee: *See*—
Vonders, Karel.

No-Nik Corporation, assignee: *See*—
Rosenthal, Harry.

Nonken, Gordon C., Pittsfield, Mass., assignor to General Electric Company. Combined electrode and skimmer for electric glass melting furnaces. 2,658,094, Nov. 3.

Noodleman, Samuel, assignor to L. R. Mahrt and D. R. Laughter, as trustees for Standard Dayton Corporation, Dayton, Ohio. Motor control. 2,627,059, Jan. 27.

Noodleman, Samuel, assignor to L. R. Mahrt and D. R. Laughter, as trustees for the Standard Dayton Corporation, Dayton, Ohio. Electric motor and motor control means. 2,650,336, Aug. 25.

Noodleman, Samuel, and A. G. Wise, assignors to L. R. Mahrt and D. R. Laughter, as trustees, for Standard Dayton Corporation, Dayton, Ohio. Variable speed alternating current motor. 2,664,534, Dec. 29.

Noon, T Cyril, Bainbridge Township, Geauga County, assignor to Thompson Products, Inc., Cleveland, Ohio. Flow controlling apparatus. 2,662,541, Dec. 15.

Noon, T Cyril, Bainbridge Township, Geauga County, assignor to Thompson Products, Inc., Cleveland, Ohio. Flow controlling apparatus. 2,664,110, Dec. 29.

Noon, T Cyril, Bainbridge Township, Geauga County, and R. J. Anderson, assignors to Thompson Products, Inc., Cleveland, Ohio. Fuel tank. 2,654,533, Oct. 6.

Noon, T Cyril, Bainbridge Township, Geauga County, and F. C. Bayer, assignors to Thompson Products, Inc., Cleveland, Ohio. Duplex flow control apparatus. 2,656,848, Oct. 27.

Noon, T Cyril, Bainbridge Township, Geauga County, and R. J. Anderson, assignors to Thompson Products, Inc., Cleveland, Ohio. Jet pump fluid flow system. 2,660,232, Nov. 24.

Noon, T Cyril, Bainbridge Township, Geauga County, and F. C. Bayer, Euclid, assignors to Thompson Products, Inc., Cleveland, Ohio. Flow control apparatus. 2,661,756, Dec. 8.

Nooney, Frank, Reno, Nev. Wedge for tools having wooden handles. 2,653,059, Sept. 22.

Noordeman, Pieter J., Rotterdam, Netherlands. Hydraulic steering gear for ships. 2,636,465, Apr. 28.

Nopco Chemical Company, assignee: *See*—
Cunder, Joseph, and Licata.
Kapp, Roland, Chodroff, and Sofield.
Lighthipe, Charles H., Nothum, and Retzsch.

Noponen, George E., White Bear, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making iron oxide pigments. 2,634,193, Apr. 7.

Noranda Mines Limited, assignee: *See*—
Clark, Charles W., and Morrison.

Norberg, Charles E., Des Moines, Iowa. Detachable hose support. 2,636,704, Apr. 28.

Norbest Turkey Growers Association, assignee: *See*—
George, Fred.

Norbom, Ragnar A., assignor to Finnie & Norbom, New York, N. Y. Apparatus for the pneumatic evacuation of materials from receptacles. 2,633,389, Mar. 31.

Norbom, Ragnar A., assignor to Finnie & Norbom, New York, N. Y. Apparatus for the pneumatic evacuation of materials. 2,660,341, Nov. 24.

Norby, Gertrude K.: *See*—
Luck, Lucille D., and Norby.

Norco of Bridgeport, Inc., assignee: *See*—
Hawes, Harold B.

Norcross, Austin S., Waban, Mass. Method and apparatus for controlling the viscosity of a processing liquid. 2,630,819, Mar. 10.

Norcross, Austin S., Newton, Mass. Yarn-testing apparatus. 2,632,325, Mar. 24.

Norcross, Sterling E., Bloomfield, N. J. Garment support. 2,654,132, Oct. 6.

Nord, James A.: *See*—
Johnson, Curt I., and Nord.

Nordberg, Ernst A.: *See*—
Echlin, John E., Nordberg, and Sambrook.

Nordberg Manufacturing Company, assignee: *See*—
Gruender, Oscar C.
Miller, Ralph.
Talboys, Henry H., and Erickson.
Zoerb, Howard M.

Nordblom, George F., Philadelphia, Pa. Stabilizing red phosphorus. 2,636,814, Apr. 28.

Nordblom, George F., Philadelphia, Pa., and M. S. Silverstein, Camden, N. J. Stabilizing red phosphorus against oxidation. 2,664,344, Dec. 29.

Nordby, Roger M.: *See*—
Bell, John F., and Nordby.

Nordell, Carl H., Palm Springs, Calif. Winding machine. 2,649,251, Aug. 18.

Nordell, Carl H., Palm Springs, Calif. Means for raising and lowering diffuser tubes. 2,650,810, Sept. 1.

Norden, Alexander R.: *See*—
Christensen, Paul M., and Norden.

Norden, Alexander R., Maywood, assignor to Federal Electric Products Company, Newark, N. J. Automatic circuit breaker. 2,650,281, Aug. 25.

Norden, Jesse, Kew Gardens, N. Y. Closure top. 2,657,848, Nov. 3.

Norden Laboratories Corporation, The, assignee: *See*—
Hofstadter, Robert.
Mathiesen, James C.
Taylor, James E.

Nordfors, Kurt M., Karlskoga, assignor to Aktiebolaget Bofors, Bofors, Sweden. Compression nozzle for ramjet engines. 2,631,425, Mar. 17.

Nordlander, Birger W.: *See*—
Burnett, Robert E., and Nordlander.

Nordlander, Birger W., Schenectady, and J. A. Loritsch, Scotia, N. Y., assignors to General Electric Company. Thixotropic compositions. 2,641,586, June 9.

Nordlander, Birger W., and R. E. Burnett, Schenectady, N. Y., assignors to General Electric Company. Thixotropic compositions. 2,641,587, June 9.

Nordlander, Birger W., and R. E. Burnett, Schenectady, N. Y., assignor to General Electric Company. Thixotropic coating composition. 2,645,626, July 14.

Nordling, Selma, Alhambra, Calif. Child's play suit. 2,660,730, Dec. 1.

Nordlund, Per A., Stuvsta, Sweden. Fishing float. 2,646,643, July 28.

Nordmark, Walter E.: *See*—
Henrikson, Bror W., and Nordmark.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 2,652,098, Sept. 15.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Folding chair. 2,654,419, Oct. 6.

Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Chair structure. 2,658,563, Nov. 10.

Nordmark, Walter E., and N. C. Poel, assignors to American Seating Company, Grand Rapids, Mich. Chair structure. 2,650,648, Sept. 1.

Nordmark, Walter E., and D. S. Huhta, assignors to American Seating Company, Grand Rapids, Mich. Seat support. 2,658,557, Nov. 10.

Nordmark-Werke G. m. b. H., assignee: *See*—
Tschesche, Rudolf.

Nordone, Frank M., Mount Vernon, N. Y. Hydraulically actuated rooting machine. 2,633,345, Mar. 31.

Nordquist, Ronald E. J.: *See*—
Preis, Carl G., and Nordquist.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can-filling machine with porous packing plunger. 2,626,738, Jan. 27.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Valve mechanism with oil collecting device. 2,640,586, June 2.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Article sorting machine. 2,643,766, June 30.

Nordsieck, Arnold T., New York, N. Y., assignor to United States of America as represented by the Secretary of War. Tuning and strapping mechanism for magnetrons. 2,644,106, June 30.

Nordsieck, Arnold T., New York, N. Y., assignor to United States of America as represented by the Secretary of War. Strapped magnetron and method of strapping. 2,645,843, July 21.

Nordstrand, Sven G., assignor to Ingeniorsfirman Fliesberg Aktiebolag, Stockholm, Sweden. Flotation apparatus. 2,645,350, July 14.

Nordstrom, Harry E., assignor of one-half to S. Zandlo, Minneapolis, Minn. Depth sounder. 2,660,795, Dec. 1.

Nordstrom, Nils, Jr., Binghamton, N. Y. Instrument useful in anesthetizing by intratracheal insufflation. 2,657,691, Nov. 3.

Nordström, Vilhelm F. A., Stockholm, and D. A. Morosoff, Enskede, Sweden, assignors, by mesne assignments, to De Laval Steam Turbine Company, Trenton, N. J. Combined gas and steam power plant. 2,663,144, Dec. 22.

Noregaard, Maurice J., North Hollywood, Calif. Lock release operated switch. 2,648,729, Aug. 11.

Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tandem drive mechanism. 2,659,246, Nov. 17.

Norfolk Paper Company, Inc., assignee: *See*—
Claff, Chester E., and Moeller.
Claff, Clarence L.

Norgren, C. A., Co., assignee: *See*—
Mosier, Kenneth C., and Mead.
Norgren, Carl A., Mosier, Bowdey, and Metzger.

Norgren, Carl A., Westwood, K. C. Mosier, Denver, R. D. Bowdey, Lakewood, and N. A. Metzger, assignors to C. A. Norgren Co., Denver, Colo. Air line lubricator. 2,661,814, Dec. 8.

Norlander, Helge G., Stockholm, Sweden. Grinding wheel dressing apparatus. 2,640,477, June 2.

Norman, Daniel P., Ipswich, Mass., assignor to New England Spectrochemical Laboratories. Treatment of pectous waste. 2,635,095, Apr. 14.

Norman, Edward A., Jr., assignor to Norman Products Company, Columbus, Ohio. Combination oil-gas fired conversion burner. 2,655,987, Oct. 20.

Norman, Eric A., Seattle, Wash. Oscillating hydraulic nozzle assembly. 2,635,007, Apr. 14.

Norman, Harry H., assignor to Zig Zag Spring Co., Los Angeles, Calif. Spring forming machine. 2,645,252, July 14.

Norman, Harry H., assignor to Zig Zag Spring Company, Los Angeles, Calif. Spring. 2,646,108, July 21.

Norman, James S., Jr., Bellaire, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for obtaining samples from flowing streams. 2,637,211, May 5.

Norman, Kelso, assignee: *See*—
Talbot, Harry W.

Norman Products Company, assignee: *See*—
Norman, Edward A., Jr.
Reichelderfer, Charles A.

Norman, Thomas C., San Francisco, Calif. Fishing rod holder. 2,626,770, Jan. 27.

Norman, William S., Chester, assignor to C. D. Patents Limited, London, England. Apparatus for treating gases with liquids. 2,661,197, Dec. 1.

Normand, Wilfrid, assignor to J. W. Lajeunesse, New Bedford, Mass. Fire alarm switch. 2,664,484, Dec. 29.

Normandy Chemical Corporation, assignee: *See*—
Wagner, George B.

Normandy Machine Co. Inc., assignee: *See*—
Garrett, Harold S.

Norquist, Alvin, Seattle, Wash. Saber type jigsaw blade. 2,635,652, Apr. 21.

Norquist, Glenn H., Jamestown, N. Y. Folding chair. 2,633,183, Mar. 31.

Norquist, Glenn H., Jamestown, N. Y. Rung assembly for folding chairs. 2,633,901, Apr. 7.

Norquist, Glenn H., Jamestown, N. Y. Artistically shaped folding leg tables. 2,660,497, Nov. 24.

Norquist, Glenn H., Jamestown, N. Y. Table leg pivot latch mechanism. 2,660,498, Nov. 24.

Norquist, Glenn H., Jamestown, N. Y. Edge fastening for table top coverings. 2,660,499, Nov. 24.

Norquist, Glenn H., Jamestown, N. Y. Table top construction. 2,660,500, Nov. 24.

Norquist, Victor C., and H. S. Day, assignors to Butler Manufacturing Company, Kansas City, Mo. Corrugation crimping device. 2,638,958, May 19.

Norris, Cona F., assignee: *See*—
Nagel, Edward H.

Norris, Edward E., Minneapolis, Minn. Projection compass. 2,659,972, Nov. 24.

Norris, Edward O., Westport, Conn. Floor scrubbing and drying machine. 2,635,276, Apr. 21.

Norris, Forrest H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Emulsion polymerization process. 2,635,086, Apr. 14.

Norris, Frank A.: *See*—
Mattil, Karl F., and Norris.

Norris, Henry D.: *See*—
White, Ralph V., and Norris.

Norris, Howard J., and J. C. Reeves, Torrance, Calif. Wire bending and tightening tool. 2,632,348, Mar. 24.

Norris, Ralph F., Madison, Wis., and R. D. Ayres, Mineola, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Shock mounting. 2,647,717, Aug. 4.

Norris, Raymond W., Warren, Pa. Display bedrail. 2,654,101, Oct. 6.

Norris, Robert L., Jr., Sacramento, Calif. Lock for sectional, folding table tops. 2,647,811, Aug. 4.

Norris-Thermador Corporation, assignee: *See*—
Baker, James C., and Buchanan.

Norsk Hydro-Elektrisk Kvaelstofaktieselskab, assignee: *See*—
Calmeyer, Reidar B.
Johnsen, Henry H.

Norsk Stalull A/S, assignee: *See*—
Hagen, Leif R.

Norsworthy, Arthur C., Phoebus, G. L. Meidinger, Hampton, W. B. Mayo, Hilton Village, and M. B. Seyffert, Hampton, assignors to Technical Service Corporation, Newport News, Va. Contouring machine. 2,637,950, May 12.

Norteman, Samuel L.: *See*—
Cook, Nelson E., and Norteman.

North, Harold D., Jr., Shaker Heights, assignor to The Ronor Corporation, Cleveland, Ohio. Aerosol spray nozzle, valve, and can top construction. 2,626,834, Jan. 27.

North, Harold D., Jr., Shaker Heights, Ohio. Spraying device. 2,657,951, Nov. 3.

North, Hyrum K. and O. G., Salt Lake City, Utah. Beet topping machine. 2,660,017, Nov. 24.

North, Joseph M., Arnold, Kans. Lubricating apparatus. 2,634,885, Apr. 14.

North & Judd Manufacturing Company, assignee: *See*—
Freysinger, John B.

North, Orlin G.: *See*—
North, Hyrum K. and O. G.

North, Samuel N., Asheville, N. C. Hair trimmer. 2,633,635, Apr. 7.

North, Thomas C., assignor to Universal Manufacturing Corp., Zelienople, Pa. Elevator tower assembled from prefabricated panels. 2,644,545, July 7.

North American Aviation, Inc., assignee: *See*—
Anderson, Gordon H.
Atwood, John L., and Gordon.
Beach, William I.
Bolte, Frank B.
Borer, Walter M.
Brown, Henry R., Jr.
Brubaker, John W., Sanz, and Scully.
Bussiere, George, Johnson, and Straub.
Campbell, David H.
Cooper, Ellis W.
Crowley, Ernest W.
Cunningham, Gale C., and Kilmer.
Demarest, Charles W., and Willoughby.
Eberle, George A., Zuchowski, and Maltbie.
Gaines, James W.
Gilvarry, John J., and Rutland.

North American Aviation, Inc., assignee: *See*—Continued.
Gordon, Carroll G.
Henrichsen, Knut.
Hoffman, James D.
Holloway, Daniel E.
Ince, Daniel B., Jr., and Shafer.
Jackson, Kenneth R.
Martin, Eric L.
Mehm, Joseph A.
Morrow, Frederick L.
Mullins, William D., Jr., West, Slater, and Perkins.
Newbill, Robert W., Jr.
Pribil, Richard F., Myers, and Schreiber.
Rodgers, George H., Jr.
Sanz, Manuel C., and Castelfranco.
Shank, Robert F.
Slater, John M., Benson, and Freebairn.
Tauscher, Vernon A., Mullins, Jackson, and Lyon.
Tauscher, Vernon A., Slater, and Emmi.
Torrence, Paul L.
Wait, Louis S.
Waugh, Charles C.
Wilcox, Doyle E.

North American Geophysical Co., assignee: *See*—
Cloud, Raymond T.

North American Manufacturing Co., The, assignee: *See*—
Lutherer, Otto.

North American Paper Process Company, Inc., assignee: *See*—
Snowman, Paul A., Jr.

North American Rayon Corporation, assignee: *See*—
Kingsbury, Chadwick B.
Kingsbury, Chadwick B., and Carter.

North Bay Leather Goods, assignee: *See*—
Rognsyoog, Albert J., Sr.

North Carolina Magnesium Development Corporation, assignee: *See*—
Hansgirg, Fritz J.

Northcott, Roy P.: *See*—
Porter, Frederick W. B., and Northcott.

Northcutt, Walter E., Kankakee, assignor to Manco Mfg. Co., Bradley, Ill. Tool for cutting metal strap. 2,648,901, Aug. 18.

Northeim, Harry C., Amherst, Ohio. Power winch unloader. 2,627,987, Feb. 10.

Northern Blower Company, The, assignee: *See*—
Bruckner, Walter.

Northern Electric Company, Limited, assignee: *See*—
Colpitts, Harry C.

Northern Pump Company, assignee: *See*—
Wilson, Richard C.

Northern Weld Mfg. Co., assignee: *See*—
Van Pelt, Dale M., Sanner, and Wilson.

Northfield Mines, Inc., assignee: *See*—
Lichty, Lyall J.

Northrop Aircraft, Inc., assignee: *See*—
Aldrich, George R., and Bragg.
Ashkenas, Irving L.
Bareford, Robert E.
Clifton, John R.
Feeney, Thomas A.
Feeney, Thomas A., and Hall.
Feeney, Thomas A., and Pierce.
Feeney, Thomas A., and Vogel.
Gram, Carl F.
Hagen, Glenn E.
Hansen, Otto A.
Hodson, Waldo G., and Peterson.
Jonas, Julius.
Hancock, Robert D.
Hancock, Robert D., and Prothers.
Kerner, Charles A.
McDonald, John B., and Mazy.
McKellar, John D., and Crandall.
Michael, Harold E.
Northrop, John K., and Cerny.
Northrop, John K., Denzin, and Smith.
Northrop, John K., Fishbein, and Smith.
Parker, Warde L.
Parrish, Norman C.
Radigan, Joseph.
Riles, Ira M., and Stratton.
St. John, Dale E.
Schoellerman, Alvin L.
Schwartz, Albert M., and Willoughby.
Strayer, Chalmers A., and Clifton.
Threewit, Donald M.
Vogel, Alvin R.
Williams, Charles R., and Andersen.
Williams, Charles R., and Hagen.
Williamson, Loyal A., Jr., and Schwab.

Northrop, John K., Hawthorne, M. Fishbein, West Los Angeles, and D. B. Smith, North Hollywood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. All-wing cargo pack. 2,638,291, May 12.

Northrop, John K., Hawthorne, E. C. Denzin, Los Angeles, and D. B. Smith, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Controlled deceleration device. 2,639,786, May 26.

Northrop, John K., Pacific Palisades, and W. J. Cerny, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. All-wing aircraft. 2,650,780, Sept. 1.

Northwest Concrete Products Co., assignee: *See*—
Schlough, Leon H. and W. E.

Northwest Engineering Corporation, assignee: *See*—
Brolin, Anders H., Kamholtz, and Blanchard.
Northwest Leather Goods Co., assignee: *See*—
Silverman, Sol B.
Northwest Nut Growers, assignee: *See*—
Schoolcraft, Edwin H.
Northwestern Corporation, The, assignee: *See*—
Balaz, Charles S.
Northwestern Research Corporation, assignee: *See*—
Gant, Virgil A.
Northwestern Steel and Wire Company, assignee: *See*—
Bell, George W.
Norton, Charles L., Jr.: *See*—
Harter, Isaac, and Norton.
Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Producing hydrogen cyanide. 2,625,463, Jan. 13.
Norton, Clyde J., San Fernando, Calif., assignor to Sylvania Electric Products Inc. Hybrid wave guide mixer. 2,628,308, Feb. 10.
Norton Company, assignee: *See*—
Ballard, Archibald H., and Marshall.
Comstock, George E., 3d.
Crompton, George, Jr.
Erickson, John R.
Flygare, Carl G., and Alvord.
Green, Clarence J.
Hill, Oiva E.
Hill, Oiva E., and Flygare.
Indge, Herbert S.
Kistler, Samuel S.
Lowe, Edwin C.
Milligan, Lowell H., and Whittemore.
Moule, Rex E.
Silven, Herbert A.
Sjogren, John K.
Swainey, Homer L.
Teague, Ernest D.
Wheildon, William M., Jr.
Wood, Wallace H.
Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Method and system for frequency-modulating stabilized oscillators. 2,631,269, Mar. 10.
Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Directional transmission line transducer. 2,644,928, July 7.
Norton, Merritt R., West Haven, Conn. Fish lure. 2,624,971, Jan. 13.
Norton, Orlo C., Erie, Pa. Dehydrator. 2,642,951, June 23.
Norton, Orlo C., Erie, Pa. Waste disposing device. 2,650,708, Sept. 1.
Norton, Orrie W., executor: *See*—
Velie, Orville D.
Norton, Robert L., Belmont, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Reflex oscillator tube. 2,632,863, Mar. 24.
Norton, Sir James Farmer, & Company, Limited, assignee: *See*—
Norton, William J.
Norton, Walter A.: *See*—
Engberg, Donald W., and Norton.
Norton, William J., assignor to Sir James Farmer Norton & Company, Limited, Salford, England. Means for measuring and indicating the tension in strip passing between the stands of a rolling mill. 2,650,495, Sept. 1.
Norton, Willie, Wichita, Kans. Evaporative air cooler. 2,648,272, Aug. 11.
Norvell, Benjamin E., Oak Creek, Ariz. Occupant propelled roundabout. 2,638,345, May 12.
Norvill, Victor A., Pequabock, Conn. Watchmaker's pliers. 2,661,646, Dec. 8.
Norville, Lon A., Jr., and J. L. McDonald, Jr., Richmond, Calif. Rotary roasting fork. 2,629,313, Feb. 24.
Norwalk Paper Box Company, The, assignee: *See*—
Diehl, Philip A.
Norway, Harold L., Inglewood, and W. A. Perry, Los Angeles, assignors to Southwestern Development Company, Inglewood, Calif. Automatic change-over. 2,626,628, Jan. 27.
Norwich, Adam T., assignor of one-half to W. Nittskoff, Cleveland, Ohio. Exercising device. 2,664,289, Dec. 29.
Norwine, Andrew C.: *See*—
Davis, Kingsbury H., and Norwine.
Norwood Company, The, assignee: *See*—
Bode, Robert G.
Norwood, Earl B., Fairlawn, N. J., assignor to Curtiss-Wright Corporation. Rotary fluid coupling construction. 2,635,429, Apr. 21.
Norwood, Jack E., Raleigh, N. C. Talc crayon production. 2,627,089, Feb. 3.
Norwood, Stewart E.: *See*—
Herider, Elmer A., and Norwood.
No-Sag Spring Company, assignee: *See*—
Engel, William.
Handren, Arthur V., Jr.
Hopkes, Henry.
Lund, Johan.
Mouw, Andrew.
Noschis, Kaj W. W., Stockholm, assignor to G. Schonander, Grondal, Sweden. Roentgen apparatus. 2,646,514, July 21.
Nosco, Louis C., assignor to Eastman Kodak Company, Rochester, N. Y. Double beam attachment for contour projectors. 2,625,076, Jan. 13.
Nosek, Jaroslav: *See*—
Daněk, Otto, and Nosek.
Notarbartolo, Pietro, and C. Poledrelli, Rome, Italy. Marine excavator. 2,659,211, Nov. 17.
Notes, Hans J., Asbury Park, N. J. Display device. 2,635,763, Apr. 21.
Nothmann, Shimshon E., and B. Friedmann, Tel-Aviv, Israel. Recording rain gauge. 2,629,258, Feb. 24.
Nothum, William M.: *See*—
Lighthipe, Charles H., Nothum, and Retzsch.
Nottingham, James A.: *See*—
Bergey, Stanley L., and Nottingham.
Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tutch-Latch Company, New York, N. Y. Dual pivot catch. 2,626,170, Jan. 20.
Nottingham, Ralph K., Portland, Oreg., assignor to Phillips Tutch Latch Co., New York, N. Y. Automatic latch for two relatively movable members. 2,637,576, May 5.
Notvest, Robert W., Affton, Mo., assignor to American Brake Shoe Company, New York, N. Y. Apparatus for electrolytic analysis. 2,643,223, June 23.
Notz, Chauncey E., Englewood, assignor to Notz-Sweney, Inc., Denver, Colo. Repairing punctures in pneumatic tires and tubes. 2,646,707, July 28.
Notz-Sweeney, Inc., assignee: *See*—
Notz, Chauncey E.
Nourse, Jess H.: *See*—
Krouse, Lee M., Nourse, Katzmann, and Howard.
Nourse, Ira C., assignor of one-half to S. Johnson, Mineral Wells, Tex. Auxiliary jack for oil wells. 2,645,454, July 14.
Nouvelle Societe de Construction ci-devant N. Schlumberger & Cie, assignee: *See*—
Gressel, Jules.
Nova Development Inc., assignee: *See*—
Hall, Ray E.
Novadel-Agene Corporation, assignee: *See*—
Patch, Arthur H.
Patch, Arthur H., and Booth.
Novak, August W., Union, and R. F. Mildrum, Hillside, N. J., assignors to Standard Oil Development Company. Indicating orifice plate for threaded orifice. 2,661,768, Dec. 8.
Novak, Ben A., Spillville, Iowa. Extension light. 2,663,793, Dec. 22.
Novak, Daniel A., Calmar, Iowa. Fish holder. 2,653,048, Sept. 22.
Novak, Izador J., Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Abestos dispersion and forming same. 2,626,213, Jan. 20.
Novak, Izador J., Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Asbestos dispersions. 2,652,325, Sept. 15.
Novak, Izador J., Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Removal of magnetite from asbestos. 2,662,639, Dec. 15.
Novello, Frederick C., Prospect Park, Pa., assignor to Merck & Co., Inc. Oxy-phenyl cyclohexane- and cyclohexene-carboxylic acids and derivatives. 2,650,243, Aug. 25.
November, Milton H., East Orange, N. J., assignor to Spiral Binding Company, Inc., New York, N. Y. Machine for binding books. 2,649,120, Aug. 18.
Novi Equipment Company, assignee: *See*—
Adler, Herman G.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope patch applying mechanism. 2,627,792, Feb. 10.
Novo Terapeutisk Laboratorium A/S, assignee: *See*—
Petersen, Karl.
Novotny, Dolores Y., St. Louis, Mo. Spool holder. 2,648,501, Aug. 11.
Novy, Richard J.: *See*—
Tinsman, Jack R., Novy, and Pence.
Tinsman, Jack R., Novy, and Thurlow.
Nowak, Karl, Vienna, Austria. Selective receiving and amplifying circuit. 2,659,776, Nov. 17.
Nowak, Karl, Vienna, Austria. High selectivity amplifier. 2,662,939, Dec. 15.
Nowak, Leon J., Jr., assignor to B. F. Gump Co., Chicago, Ill. Variable pitch feeder. 2,652,954, Sept. 22.
Nowak, Welville B., New Rochelle, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna system. 2,627,028, Jan. 27.
Nowell, Richard A., assignor to B. Levinson, Los Angeles, Calif. Sofa bed hinge. 2,629,883, Mar. 3.
Nowell, Richard A., assignor, by mesne assignments, to Metalcraft Co., Los Angeles, Calif. Bed frame. 2,648,073, Aug. 11.
Noxon, Paul A., Tenafly, A. M. MacCallum, Maywood, and N. B. Murphy, West Englewood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic pilot. 2,625,348, Jan. 13.
Noyes, Harold M., Claremont, assignor to Expellid Corporation, Dover, N. H. Assorting and forwarding mechanism. 2,651,402, Sept. 8.
Noyes, Howard, Dayton, Ohio. Shutoff or selector valve having a resilient sheet metal rotor. 2,649,275, Aug. 18.

Noyes, John D., Fort Lauderdale, Fla. Demountable edger attachment for lawn mowers. 2,643,503, June 30.
Noyes, Stanley E., and E. H. Lochridge, assignors to Dental Perfection Company, Glendale, Calif. Fluoride-containing impression materials. 2,628,153, Feb. 10.
Noyes, Stanley E., and E. H. Lochridge, assignors to Dental Perfection Company, Glendale, Calif. Lead carbonate impression materials. 2,631,081, Mar. 10.
Noyes, Stanley E. and E. H. Lochridge, assignors to Dental Perfection Company, Glendale, Calif. Lead sulfate impression materials. 2,631,082, Mar. 10.
Nozaki, Kenzie, Richmond, assignor to Shell Development Company, San Francisco, Calif. Polymerization and products produced thereby. 2,628,222, Feb. 10.
Nübling, Otto: *See*—
Klatte, Theodor, and Nübling.
Nu-Dent Porcelain Studios, Inc., assignee: *See*—
Gold, Nat.
Nuessle, Walter G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated abrasive belt. 2,637,956, May 12.
Nugent, John B.: *See*—
Fogler, Benjamin B., and Nugent.
Nugent, Wm. W. & Co., Inc., assignee: *See*—
Vocelka, John.
Nugey, Anthony L., Rahway, N. J. Neutralizing industrial waste. 2,642,334, June 16.
Null, Clement R., Olney, Ill. Folding bed. 2,628,371, Feb. 17.
Null, Fay E., Dayton, Ohio. Filter and cooler for smoking devices. 2,630,807, Mar. 10.
Null, Fay E., Dayton, Ohio. Augmented thrust pulse jet pump or motor and creating augmented thrust or suction. 2,659,202, Nov. 17.
Null, Leroy S., and M. T. Sharatz, Norfolk, Va. Metal clip-on safety toe. 2,625,753, Jan. 20.
Nu-Matic Nailer, Inc., assignee: *See*—
Bacon, Clinton J., and Kent.
Nummy, William R.: *See*—
Ney, William O., Jr., Nummy, and Barnes.
Nunheimer, Thomas D., Elkton, Va., assignor to Merck & Co., Inc., Rahway, N. J. Fermentation process. 2,628,931, Feb. 17.
Nunley, Park B., Sr., Dayton, Ohio. Railroad bed. 2,631,783, Mar. 17.
Nunn, Thomas J., J. W. Leach, and A. G. Rogers, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Emulsifiable metal-working lubricant. 2,632,734, Mar. 24.
Nusbaum, Dean S., Kalamazoo, Mich. Automatic drain valve for crankcase ventilators. 2,652,819, Sept. 22.
Nussbaum, Albrt, Montigny-les-Metz, France, and O. A. Becker, Saarbrucken, Germany; said Becker assignor to said Nussbaum. Device for storing and conveying containers. 2,646,177, July 21.
Nussbaum, Otto J.: *See*—
Malkoff, Hyman, and Nussbaum.
Nussbaum, Walter, New York, N. Y., now by change of name Walter Brent. Monograms. 2,648,923, Aug. 18.
Nussberger, René, and J. Pellat-Finet, Lyons, assignors to Societe Sovel Vehicules Electriques Industriels, Villeurbanne, France. Hoisting and dumping means for trucks carrying dirt. 2,646,902, July 28.
Nusshold, Hugo, Buenos Aires, Argentina. Sawing machine. 2,663,927, Dec. 29.
Nüsslein, Joseph, assignor to Metallgesellschaft Aktiengesellschaft, Frankfurt am Main, Germany. Surface active media. 2,651,829, Sept. 15.
Nut, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Vibration dampener. 2,636,363, Apr. 28.
Nutone, Inc., assignee: *See*—
Alexander, Lowell M., and Baldh.
Nuttall, Charles E., Sharptown, Md. Pastry forming machine. 2,624,296, Jan. 6.
Nuttall, Charles E., Sharptown, Md. Automatic cake baking machine. 2,624,297, Jan. 6.
Nutter, Irvin E., Amarillo, Tex. Means for flow control in bubble towers. 2,658,737, Nov. 10.
Nutter, William L., Jr.: *See*—
Weil, Jay D., and Nutter.
Nutting, H. George D.: *See*—
Wittkuhns, Bruno A., Nutting, and Hill.
Nutzler, Paul G. A., Sao Paulo, Brazil. Approach detection by high-frequency radiation. 2,646,559, July 21.
Nu-Way Corporation, The, assignee: *See*—
Westphal, Leslie C.
Nyberg, Curt E.: *See*—
Vall, Walter J. and R. B., Demerath, Dugin and Nyberg.
Nyberg, Curt E., assignor to Vall Manufacturing Company, Chicago, Ill. Desk stapler. 2,624,046, Jan. 6.
Nycz, Joseph C.: *See*—
Young, Douglass A., Lunas, and Nycz.
Nyden, Robert, Manhasset, and H. K. Dickerman, assignors to F. N. Burt Company, Inc., Buffalo, N. Y. Rotary sift-proof dispensing end closure for powder cans. 2,635,791, Apr. 21.
Nye, Norman H.: *See*—
Cox, Eber L., and Nye.
Nye, Norman H., Cuyahoga Falls, Ohio. Apparatus for making thermoplastic resin bags. 2,627,213, Feb. 3.
Nye, Ralph D., and D. J. Demorest, Columbus, Ohio. Producing concentrates of uranium and vanadium from low-bearing ores. 2,654,653, Oct. 6.
Nye, Raymond C., Los Angeles, Calif. Article wall hanger. 2,663,530, Dec. 22.
Nye Tool Company, assignee: *See*—
Halligan, Eugene P.
Nye-Wait Company, Inc., assignee: *See*—
Patterson, Oliver W., and Bowen.
Peacock, Ralph W.
Nygaard, Edwin M.: *See*—
Kozacik, Alfred P., and Nygaard.
Nygaard, Torstein A., San Pedro, Calif. Container cap. 2,659,508, Nov. 17.
Nygard, Erik A., Woonsocket, R. I. Button securing device. 2,636,235, Apr. 28.
Nyhagen, Barney R., New York, N. Y. Violin mute and resin holder. 2,647,428, Aug. 4.
Nyhagen, Barney R., New York, N. Y. Wristwatch strap. 2,647,668, Aug. 4.
Nylok Corporation, The, assignee: *See*—
MacBlane, James, and Paterson.
Nylund, Harry W.: *See*—
Babcock, Wallace C., and Nylund.
Nyquist, Arthur S.: *See*—
Kropa, Edward L., and Nyquist.
Nyquist, Arthur, assignor to Winters & Crampton Corporation, Grandville, Mich. Head for spinning, drilling, and the like. 2,634,614, Apr. 14.
Nyquist, Frederick W., assignee: *See*—
Blomstrand, John H.
Nyquist, Walter I.: *See*—
Toncray, Millard H., Nyquist, and Cenzer.
Nyman, Alexander, Dover, assignor to Alden Products Co., Brockton, Mass. Facsimile framing system. 2,632,810, Mar. 24.
Nymberg, Raymond: *See*—
Benaglio, Reno V., and Nymberg.
Nyrop, Johan E., Hellerup near Copenhagen, Denmark, assignor, by mesne assignments, to Niro Corporation, New York, N. Y. Liquid atomizer. 2,645,525, July 14.
Nystedt, George, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dispenser for cylindrical articles. 2,642,328, June 16.
Nystrom, Karl F., Nashotah, Wis., assignor, by mesne assignments, to International Steel Company, Evansville, Ind. Railway car ladder. 2,630,261, Mar. 3.
Nystrom, Karl F., Nashotah, Wis., assignor to International Steel Company, Evansville, Ind. Combined striking, casting, and bolster center filler for railway car construction. 2,646,010, July 21.
Nystrom, Karl F., Nashotah, V. L. Green, and J. J. Drinka, Milwaukee, Wis. Railroad car truck equalizer control means. 2,632,406, Mar. 24.
Nystrom, Karl F., Chicago, Ill., and W. R. Yokel, assignors to International Steel Company, Evansville, Ind. Railway car underframe. 2,635,559, Apr. 21.
Nystrom, Karl F., Nashotah, and L. L. Lentz, Milwaukee, Wis. Passageway enclosure for railway passenger cars. 2,643,617, June 30.
Nystrom, Karl T.: *See*—
Thompson, Alfred L., Nystrom, McQuiddy, and Stanley.
Nystrom, Karl T., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Car door lock. 2,639,180, May 19.
Nystuen, Marcus I.: *See*—
Borell, George L., and Nystuen.
Nystul, Orville C., Fargo, N. Dak. Swiveled wrench attachment for nozzles. 2,630,134, Mar. 3.
Nystul, Orville C., North Fargo, N. Dak. Filler cap loosening wrench. 2,650,608, Sept. 1.
O. E. M. Corporation, assignee: *See*—
Barach, Edmund.
Oak Mfg. Co., assignee: *See*—
Mastney, Edward J.
Streuer, Wilhelm A., and Mastney.
Williams, John H., and Mastney.
Oak Manufacturing Company, Inc., assignee: *See*—
Probasco, Harold T.
Oak, Noah, assignor of one-half to C. G. Hilton, Lynn, Mass. Fishing rod and reel. 2,628,444, Feb. 17.
Oak Rubber Company, The, assignee: *See*—
Moore, James C.
Reynolds, Daniel P.
Oakes, E. T. Corporation, The, assignee: *See*—
Oakes, Earle T.
Oakes, Earle T., Douglaston, assignor to The E. T. Oakes Corporation, Islip, N. Y. Apparatus for depositing marshmallow, dough, batters and the like. 2,664,055, Dec. 29.
Oakes, Edward J., and R. K. Rothrock, New Orleans, La. Igniter for internal-combustion engines. 2,635,423, Apr. 21.
Oakes, George W., Crystal City, Mo. Trap. 2,636,310, Apr. 28.
Oakes, George W., Crystal City, Mo. Trap. 2,639,539, May 26.
Oakes Manufacturing Company, The, assignee: *See*—
Hobbs, Howard H.
Oakes, Williams S., Jr.: *See*—
Hood, Charles N., II, and Oakes.
Oakes Manufacturing Company, The, assignee: *See*—
Hobbs, Howard H.
Oakite Products, Inc., assignee: *See*—
Adorney, Charles S., Gill, and McIlvain.
Dodd, Sidney R., and Ainsley.

Oakley, Norman B., assignor to Hercules Powder Company, Wilmington, Del. Cellulose ether composition. 2,653,108, Sept. 22.

Oakley, Wilbur J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Master cylinder with compensating valve. 2,657,537, Nov. 3.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Locator for fish. 2,625,706, Jan. 20.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Locating fish for beheading. 2,625,708, Jan. 20.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Pre-feed table and conveyer for fish dressing machine. 2,626,037, Jan. 20.

Oates, Norford L., assignor to Smith Cannery Machines Company, Seattle, Wash. Fish advancing means. 2,630,208, Mar. 3.

O'Bannon, Loran S.: *See*—
Schofield, Henry Z., and O'Bannon.

Obee, John G., Logansport, Ind. Circumferentially traveling tire bead. 2,634,803, Apr. 14.

Obenchain, Leo B., Oceanway, Fla. Gas bottle rack for trailers. 2,635,939, Apr. 21.

Obenchain, Leo B., Branford, Conn. Gas bottle rack for trailers. 2,639,208, May 19.

Ober, Dean C., East Cleveland, Ohio. Display attachment for electric light bulbs. 2,652,653, Sept. 22.

Ober, Harold E.: *See*—
Broadbent, John H., and Ober.

Ober, Howard C., Mayfield Heights, Ohio. Rotary tiller. 2,633,789, Apr. 7.

Oberbeck, August L.: *See*—
Smith, Kenneth N., and Oberbeck.

Oberbeck, Walter A.: *See*—
Curtis, Gordon E., and Oberbeck.

Oberfell, George G., Bartlesville, Okla. Shotgun barrel and choke. 2,658,298, Nov. 10.

Oberholtz, Lester E., and G. Allen, assignors to Gleaner Harvester Corporation, Independence, Mo. Self-propelled combine. 2,644,284, July 7.

Oberholtz, Lester E., assignor to Gleaner Harvester Corporation, Independence, Mo. Detachably mounted counterbalanced windrower. 2,644,287, July 7.

Oberholtz, Lester E., and G. Allen, assignors to Gleaner Harvester Corporation, Independence, Mo. Feeding cylinder. 2,644,292, July 7.

Oberholtz, Lester E., and G. Allen, assignors to Gleaner Harvester Corporation, Independence, Mo. Steering gear. 2,659,613, Nov. 17.

Oberlin, Carl, Mansfield, Ohio. Apparatus for storing hay. 2,641,174, June 9.

Oberlin, Lyman M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for determining permeability. 2,632,324, Mar. 24.

Obermaier, Alfred A., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Ionization type gas flowmeter. 2,627,543, Feb. 3.

Obermaier, Alfred A., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Bolometer construction. 2,634,609, Apr. 14.

Obermaier, Alfred A., Park Ridge, assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Electric pointer clamp for indicating instruments. 2,663,005, Dec. 15.

Oberman, Roelof M. M., The Hague, Netherlands. Circuit for obtaining electric bridge equilibrium. 2,648,057, Aug. 4.

Oberman, Roelof M. M., The Hague, Netherlands. Release signal for telegraph systems. 2,652,446, Sept. 15.

Oberman, Roelof M. M., The Hague, Netherlands. Automatic switching means for use in telegraph systems and the like. 2,664,459, Dec. 29.

Oberman, Roelof M. M., and A. Snijders, The Hague, Netherlands. Relay counting chain using double-coil relays. 2,636,932, Apr. 28.

Oberman, Roelof M. M., and A. Snijders, The Hague, Netherlands. Wheatstone bridge testing arrangement. 2,654,837, Oct. 6.

Obert, Lawrence R., assignor to Industrial Manufacturers Ltd., Los Angeles, Calif. Liquid distributor for cooling apparatus. 2,626,129, Jan. 20.

Obert, Maximilian J.: *See*—
Shaw, Hubert R., and Obert.

Oberwortman, Walter H., assignor to W. H. O. Alfalfa Milling Company, Lamar, Colo. Feeder for fodder cutters. 2,650,745, Sept. 1.

Oblad, Alex G., Springfield, and G. A. Mills, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Production of aromatic hydrocarbons. 2,636,909, Apr. 28.

Oblazney, Joseph F., Camden, N. J. Cellar window hook. 2,655,396, Oct. 13.

O'Blenis, John J.: *See*—
Weisenbach, Charles O., and O'Blenis.

O'Brien, Brian, Pittsford, N. Y. Optical image dissecting apparatus. 2,627,199, Feb. 3.

O'Brien, Charles J.: *See*—
Nemmer, Leo B., and O'Brien.

O'Brien, Clayton W.: *See*—
Conzelman, John E., Jr., Ellis, and O'Brien.

O'Brien, George E., New Haven, A. Bornmann, Bethany, and A. E. Smith, Oxford, Conn., assignors to United States Rubber Company, New York, N. Y. New chemicals and fungicidal compositions containing same. 2,643,965, June 30.

O'Brien, Harold C., Jr., Beaver, Pa. Flameproofing cellulosic wallboard and article produced thereby. 2,648,615, Aug. 11.

O'Brien, James H., assignor to Packard Motor Car Company, Detroit, Mich. Lock-up clutch in a fluid torque converter. 2,640,572, June 2.

O'Brien, Jerry H., Wichita, Kans. Clamp. 2,628,806, Feb. 17.

O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. Discriminator improvement to reduce audio-frequency noise. 2,644,084, June 30.

O'Brien, John J., Elmhurst, N. Y. Compound boring tool. 2,643,692, June 30.

O'Brien, John T., assignee: *See*—
Rich, Edward L., Bauer, and Dengel.

O'Brien, John V.: *See*—
Rudolph, Herbert H., and O'Brien.

O'Brien, John V., Park Ridge Ill. Apparatus for cleaning out obstructions from conduits. 2,630,590, Mar. 10.

O'Brien, John V., Park Ridge, Ill. Method of and apparatus employing an elongated flexible member for cleaning out obstructions from conduits. 2,631,113, Mar. 10.

O'Brien, John V., Park Ridge, Ill. Cleaning out obstructions from conduits. 2,631,114, Mar. 10.

O'Brien, Joseph F., Lebanon, J. B. Cataldo, Annandale, and K. E. Vroom, Summit, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Lamp holder mounted on continuous conductor. 2,638,576, May 12.

O'Brien, Laurence A., South Orange, N. J., assignor to the United States of America as represented by the Secretary of War. Ice guard. 2,655,106, Oct. 13.

O'Brien, Lee F., Batavia, Ill. Hay sling. 2,634,154, Apr. 7.

O'Brien, Martha C., Warrensburg, Mo. Reversible front garment. 2,657,388, Nov. 3.

O'Brien, Richard S., Tarrytown, and J. H. Woodruff, Auburn, N. Y., assignors to United States of America as represented by the Secretary of War. Antijamming radar system. 2,658,991, Nov. 10.

O'Brien, Victor B., and E. B. Robertson, Alhambra, Calif. Combination flashlight, gun, and billy. 2,625,764, Jan. 20.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Receiving apparatus for radio-frequency navigation systems. 2,626,391, Jan. 20.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio direction indicating system. 2,626,392, Jan. 20.

O'Brien, William R., and G. R. Scantling, Chesterfield County, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of rayon cake size before centrifugal washing. 2,647,040, July 28.

Obrock, Walter H., St. Louis, Mo. Burglar alarm. 2,649,751, Aug. 25.

O'Callaghan, Frederick G.: *See*—
Kerwin, Daniel G., and O'Callaghan.

O'Callaghan, Jerome J., Skokie, Ill., assignor to The Rauland Corporation. Image-reproducing device. 2,627,043, Jan. 27.

O'Callaghan, Jerome J., Skokie, Ill., assignor to The Rauland Corporation. Mixing and dispensing a luminescent coating composition. 2,650,199, Aug. 25.

O'Callaghan, Matthew J., Jr., administrator: *See*—
Hudlow, Clair W.

Ocean City Manufacturing Company, assignee: *See*—
Holahan, Joseph M., Jr.

Ocean City Mfg. Co., assignee: *See*—
Hirsch, Stephen G.

O-Cedar Corp'n, assignee: *See*—
Wagner, Franz.

O-Cel-O, Inc., assignee: *See*—
Bitzer, Jack A., and Woistmann.

Ochsner, Cyrill, St. Gallen, Switzerland. Calculating machine with rack drive. 2,641,410, June 9.

Ochsner, Raymond B., Hinsdale, Ill. Display device. 2,639,528, May 26.

Ochtman, Leonard, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Irreversible drive mechanism. 2,659,466, Nov. 17.

Ochtman, Leonard, Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Slip clutch for screw actuators. 2,660,281, Nov. 24.

O'Connell, Harry E.: *See*—
Governale, Luke J., Horn, and O'Connell.

O'Connor, Bernard E.: *See*—
Hufferd, George H., and O'Connor.

O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Tuned inertia mass viscous damper. 2,636,399, Apr. 28.

O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Vibration absorbing mount. 2,637,514, May 5.

O'Connor, Bernard E., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Aircraft landing wheel shimmy damper. 2,661,915, Dec. 8.

O'Connor, Bernard E., and R. E. King, Buffalo, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Fiber feeding and weighing mechanism. 2,660,393, Nov. 24.

O'Connor, Bernard E., Buffalo, and B. Fuente, Hamburg, N. Y., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Aircraft landing wheel shimmy damper. 2,661,917, Dec. 8.

O'Connor, Charles M., Tuscon, Ariz. Tray washing and sterilizing machine. 2,651,065, Sept. 8.

O'Connor, John B., assignor to Illinois Tool Works, Chicago, Ill. Coupled nut and lock washer. 2,648,368, Aug. 11.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker construction. 2,651,559, Sept. 8.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Locker wardrobe. 2,655,424, Oct. 13.

O'Connor, John C., assignor to The O'Connor Patent Company, Ann Arbor, Mich. Mechanism for producing hard vibrations for compaction and conveying of materials. 2,636,719, Apr. 28.

O'Connor Patent Company, The, assignee: *See*—
O'Connor, John C.

O'Connor, Ward J., F. and F. A. Rowen, Jr., Bayonne, N. J., assignors to The Lummus Company, New York, N. Y. Heater control. 2,664,245, Dec. 29.

O'Conor, Frank, Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Suspension link for centrifugal extractor casings. 2,651,482, Sept. 8.

O'Day, Cortland N., Port Washington, assignor to Air Devices, Inc., New York, N. Y. Air exhauster. 2,627,219, Feb. 3.

Odell, Alexander D., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electrical circuits employing gaseous discharge tubes. 2,649,502, Aug. 18.

Odell, Carl H., Morristown, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Liquid-controlling system. 2,655,933, Oct. 20.

O'Dell, George: *See*—
Simpson, John, Jr., and O'Dell.

O'Dell, James R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn tensioning device. 2,656,125, Oct. 20.

Odell, William W., New York, N. Y., assignor to Standard Oil Development Company. Contacting fluid and solids. 2,631,921, Mar. 17.

Odell, William W., New York, N. Y. Process and means of promoting chemical reactions. 2,662,091, Dec. 8.

Odell, William W., New York, and C. E. Morrell, Westfield, N. Y., and H. W. Schreline, East Orange, N. J., assignors to Standard Oil Development Company. Preparation of carbon disulfide. 2,663,622, Dec. 22.

Oden, Lewis M., Sr., Norfolk, Va. Spark plug gapping machine. 2,664,135, Dec. 29.

Odevseff, Alec S., assignor to Beech Aircraft Corporation, Wichita, Kans. Controllable pitch propeller. 2,653,670, Sept. 29.

Odlas, Georg, Vienna, Austria. Memorandum plate. 2,660,145, Nov. 24.

Odierno, Slivio J., Jr.: *See*—
Podnos, Selim S., Odierno, and Thompson.

Odin Corporation, assignee: *See*—
Johnson, Frederick M., and Bulliet.
Parry, Wallace M.
Svenson, Ernest J.

Oding, Carl A., Alameda, assignor to Planamatic Corporation, Oakland, Calif. Rotary hydraulic coupling. 2,649,689, Aug. 25.

Oding, Carl A., Alameda, assignor to Planamatic Corporation, Oakland, Calif. Variable speed rotary fluid coupling. 2,649,690, Aug. 25.

Odinga, Heinrich, heir, administrator: *See*—
Heberlein, Georges and Georg, Weiss, Risch, and Odinga.

Odinga, Theodor: *See*—
Heberlein, Georges and Georg, Weiss, Risch, and Odinga.

Odom, Marvin W., Roswell, Ga. Comb box mechanism. 2,653,354, Sept. 29.

O'Donnell, Robert J.: *See*—
Baker, Robert M., and O'Donnell.

O'Donnell, Roland E., Dallas, Tex. Device for use with open hole testers in wells. 2,629,444, Feb. 24.

Odot, Charles A. M. E., Tou Koto, French Sudan, Africa. Military bridge. 2,636,197, Apr. 28.

Oehler, René, Rockville, Md. Impregnating leather with rubber compositions. 2,647,844, Aug. 4.

Oehler, René, Rockville, and J. R. Kanagy, Silver Spring, Md. Impregnation of leather. 2,647,840, Aug. 4.

Oehler, William P.: *See*—
White, Charles H., and Oehler.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Bearing construction for disk harrows. 2,644,388, July 7.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Fertilizer distributor. 2,644,618, July 7.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Planter constructed to accommodate various types of hoppers. 2,647,662, Aug. 4.

Oehler, William P., assignor to Deere & Company, Moline, Ill. Coupling for lift type draft devices. 2,650,103, Aug. 25.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Conduit support for vehicle train with conduit-connected fluid devices. 2,626,552, Jan. 27.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Disk harrow hitch. 2,632,291, Mar. 24.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Disk harrow. 2,635,404, Apr. 21.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Disk harrow and scraper control mechanism. 2,635,522, Apr. 21.

Oehler, William P., and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Spring pressure device for planting attachments. 2,649,725, Aug. 25.

Oeler, Richard C., and A. R. Constantine, South Bend, Ind., assignors, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Washing machine centrifugal extractor support and damping mechanism. 2,642,996, June 23.

Oelkrue, Willard L., Oil City, Pa. Means for utting the wrapper from rolls of newsprint and the like. 2,643,716, June 30.

Oerding, Charles H., Coquille, Oreg. Automatic cigarette dispenser. 2,655,418, Oct. 13.

Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Frame construction for plows. 2,633,069, Mar. 31.

Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Power lift. 2,656,775, Oct. 27.

Oertel, Carl H., Baltimore, Md. Saliva bowl guard. 2,644,956, July 14.

Oertli, Traugott: *See*—
Valentini, Aldo, and Oertli.

Oestreicher, Ernst: *See*—
Schlecht, Leo, and Oestreicher.

Oestreicher, Warren J., Brooklyn, N. Y., assignor to Tele King Corporation. Electrostatic deflection system. 2,659,022, Nov. 10.

Oestrich, Hermann, assignee: *See*—
Rosskopf, Hans.
Triebbnigg, Heinrich, and David.

Oetjen, Robert A., Columbus, Ohio, assignor to the United States of America as represented by the Secretary of the Air Force. Image forming optical reflecting and converging mirror device. 2,628,533, Feb. 17.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake & Clutch Company. Electromagnetic friction device. 2,650,682, Sept. 1.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake & Clutch Company. Friction device. 2,654,445, Oct. 6.

O'Farrell, Frank, assignor to Delfra Products Co., Inc., Long Beach, Calif. Coat hanger with integral moth repellent receiving ends. 2,639,846, May 26.

Ofenstein, Robert C., Highland Park, and S. L. Willis, assignors to The Standard Tube Company, Detroit, Mich. Deburring and swaging mandrel for interior wall of tubing. 2,645,164, July 14.

Offeman, Richard E., Bellflower, Calif. Automatic weather map plotter. 2,646,732, July 28.

Offen, Bernard, Chicago, Ill. Support roller for printed webs. 2,631,384, Mar. 17.

Office National d'Etudes et de Recherches Aeronautiques, assignee: *See*—
Doussain, Robert, Bousson, and Perrier.
Frager, Louis C.
Périlhou, Pierre.

Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), assignee: *See*—
Laleunesse, François.
Luft, Karl.

Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
Carson, Robert H.
Hickman, Clarence N.
Newman, Edwin B., and Volkmann.
Saunders, Norman B.

Office Specialty Mfg. Company Limited, The, assignee: *See*—
McTavish, John S., and Topham.

Officine Meccaniche Ceruti S. A., assignee: *See*—
Falconi, Ugo.

Officine Viberti Società per Azioni, assignee: *See*—
Chiapella, Guiseppe.
Reverberi, Mario.

Offner, Franklin F., Chicago, Ill. Electronic engine speed control system. 2,662,372, Dec. 15.

Offutt, Claggett, Los Angeles, Calif. Spindle mounted speed control unit for record players. 2,632,650, Mar. 24.

Offutt, Elmer B.: *See*—
Howell, Hugh A., and Offutt.

Offutt, George, and W. M. Briner, Streator, Ill., assignors to Owens-Illinois Glass Company. Truck indexing mechanism. 2,642,221, June 16.

Offutt, John T., assignor of one-fourth to R. W. Gregg, Parkville, Mo. Combination chronometer and sound reproducing instrument. 2,641,654, June 9.

O'Flaherty, Vincent M., assignor to R. J. Panlener, Milwaukee, Wis. Tachistoscope. 2,637,130, May 5.
Ogard, Helmer, assignor to Armstrong-Bray & Co., Chicago, Ill. Articulated friction V belt and belt section. 2,663,194, Dec. 22.
Ogawa, Tetsuwo, and M. Ohno, Kawasaki, Japan. Treating protein hydrolysis liquor. 2,648,704, Aug. 11.
Ogburn, Alvin R., Crescent City, Calif. Fish lure. 2,662,330, Dec. 15.
Ogburn, Harley R., Henderson, Tex. Rock anchor. 2,642,768, June 23.
Ogden, Daniel E., Hamilton, N. Y. Stanchion for domestic animals. 2,648,308, Aug. 11.
Ogden, Hubert S., Los Angeles, Calif. Filter. 2,627,351, Feb. 3.
Ogden, Laurence A., J. R. McChesney, and L. L. McDonald, Tulsa, Okla., assignors to The Pure Oil Company, Chicago, Ill. Apparatus for the selective injection of fluids into geological formations. 2,643,208, June 23.
Ogden, Wilbert H., Fort Myers, Fla. Combined electric and gas operated range or stove. 2,658,987, Nov. 10.
Ogg, Alvin W.: *See*—
Wallace, James M., and Ogg.
Ogilvie, James, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Sulfonated anthraquinone naphthocarbazole dyestuffs and preparing them. 2,658,899, Nov. 10.
Ogilvie, Robert S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production and recovery of ammonium sulfate. 2,653,077, Sept. 22.
Ogle, Harold H., Jr., assignee: *See*—
Ogle, John S.
Ogle, Hugh M.: *See*—
Dunnegan, Ted, Jr., and Ogle.
Ogle, Hugh M., Schenectady, N. Y., assignor to General Electric Company. Magnetic amplifier control system. 2,632,877, Mar. 24.
Ogle, Hugh M., and D. E. Garr, Schenectady, and M. A. Edwards, Scotia, N. Y., assignors to General Electric Company, Apparatus for regulating propulsion power plants. 2,645,293, July 14.
Ogle, James A., Phoenixville, Pa., assignor to The Sperry Corporation. Making stereoscopic pictures. 2,652,326, Sept. 15.
Ogle, John S., assignor of forty-nine per cent to H. H. Ogle, Jr., Klamath Falls, Oreg. Coin material testing device. 2,642,974, June 23.
Oglebay, Norton and Company, assignee: *See*—
Trask, Harold V., and Haley.
O'Gorman, Thomas C., Greenside, Johannesburg, Union of South Africa. Artificial leg. 2,634,424, Apr. 14.
O'Gorman, William F., assignor to The Tel-A-Tale Motion Sign Corp., New York, N. Y. Flashing illuminated sign. 2,645,047, July 14.
O'Gorman, William F., assignor to L. B. Stone, New York, N. Y. Exhibiting device. 2,649,797, Aug. 25.
Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Magnetic decontamination of cracking catalyst. 2,631,124, Mar. 10.
Ogorzaly, Henry J., Summit, N. J., and B. W. Sewell, Tulsa, Okla., assignors to Standard Oil Development Company. Self-powered rotary drilling apparatus. 2,643,087, June 23.
Ograbisz, Stephen J., Hamburg, N. Y. Apparatus for removing tendons from fowl. 2,653,346, Sept. 29.
Ograbisz, Stephen J., Hamburg, N. Y. Cutting tool for dressing poultry. 2,658,235, Nov. 10.
Ogston, Walter M., Dumfries, Scotland, assignor to Power Jets (Research and Development) Limited, London, England. Gas turbine plant. 2,632,297, Mar. 24.
O'Halloran, Rosemary, Elizabeth, N. J., assignor to Standard Oil Development Company. Fibrous lubricating grease. 2,646,401, July 21.
O'Halloran, Rosemary, Roselle Park, N. J., assignor to Standard Oil Development Company. Lithium-calcium lubricating grease composition. 2,641,577, June 9.
O'Halloran, Rosemary, Roselle Park, N. J., assignor to Standard Oil Development Company. Aluminum-carbon black thickened grease compositions. 2,653,131, Sept. 22.
Ohanlan, Osgar J., Philadelphia, Pa. Reinforced luggage construction. 2,644,558, July 7.
O'Hara, Janvier F., Monrovia, Calif. Telephone adapter for hearing aids. 2,659,772, Nov. 17.
O'Hare, James K., Alliance, assignor to Royal China Inc., Sebring, Ohio. Machine for decorating articles such as cups, pitchers, bowls, and the like. 2,654,313, Oct. 6.
O'Hear, James C.: *See*—
Sunderhauf, Frederick A., and O'Hear.
O'Herron, John E., Detroit, Mich. Fastener. 2,629,157, Feb. 24.
Ohio-Apex, Inc., assignee: *See*—
Heiberger, Charles A.
Ohio Boxboard Company, The, assignee: *See*—
Chaplin, Charles L., Ellsworth, and Hickin.
Ellsworth, Ransom C.
Hickin, Robert J.
McElwee, Joseph A.
Ohio Brass Company, The, assignee: *See*—
Davis, Charles A.
Huston, Elmo F.
Johnson, Carl G. A., Jr.
Kalb, John W.
Lewis, Warren J.
Ohio Brass Company, The, assignee: *See*—Continued.
Lewis, Warren J., and Utz.
Lusignan, Joseph T., Jr.
Matthes, Samuel S.
Sawyer, Thomas H.
Smith, Edward P.
Ohio Corrugating Company, The, assignee: *See*—
Vaughn, Harold G.
Ohio Crankshaft Company, The, assignee: *See*—
Body, Alfred C.
Body, Alfred C., and Cachat.
Body, Alfred C., and Sabol.
Cachat, John F.
Cachat, John F., and Body.
Gardner, Robert P. G.
Howard, John C.
Kaczor, Edward J., and Schwan.
Keller, Harry L.
Pliske, Berthold H.
Sorensen, Phillips N.
Vaughan, John T.
Wadhams, James B.
Ohio Ferro-Alloys Corporation, assignee: *See*—
Vignos, James C.
Ohio Injector Company, The, assignee: *See*—
Johnson, Orvin S.
MacLean, Allen D.
Motis, Gilbert M.
Ohio-Kentucky Manufacturing Company, assignee: *See*—
Stobbe, Benjamin B.
Ohio Knitting Mills, Inc., assignee: *See*—
Rovas, Tobias.
Ohio State University Research Foundation, The, assignee: *See*—
Ebers, Jewell J.
Ohio Steel Foundry Company, The, assignee: *See*—
Hites, Hubert V.
Ohio Thermometer Company, The, assignee: *See*—
Hunt, George D.
Ohlander, Kjell P. A., assignor to Industrikemiska Aktiebolaget, Stockholm, Sweden. Device in heat exchanger. 2,661,200, Dec. 1.
Ohlendorf, Emil F., assignor to Deere & Company, Moline, Ill. Power-driven stalk cutter. 2,654,199, Oct. 6.
Ohlheiser, Carlton E., assignor to The American Instrument Company, Silver Spring, Md. Apparatus for controlling humidity conditions in bulk materials. 2,655,734, Oct. 20.
Ohlis, Julius J., assignee: *See*—
Lenke, George H.
Ohlmann, Edward O.: *See*—
Van Horn, John C., Ohlmann, Klinger, and Wright.
Öhlund, Selfrid G., Enskede, Sweden. Flashing incandescent lamp with bi-metallic filament support. 2,627,590, Feb. 3.
Ohmart, Grayston R., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,629,544, Feb. 24.
Ohmart, Philip E., Dayton, Ohio, assignor to the United States of America as represented by the United States Atomic Energy Commission. Neutron detector. 2,663,802, Dec. 22.
Ohno, Mei: *See*—
Ogawa, Tetsuwo, and Ohno.
Ohrn, Rudolph E., Rock Island, assignor to Container Corporation of America, Chicago, Ill. Gluing machine. 2,633,063, Mar. 31.
Ohrn, Rudolph E., Rock Island, assignor to Container Corporation of America, Chicago, Ill. Apparatus for bottom closing paperboard containers. 2,634,566, Apr. 14.
Ohlsson, Folke, assignor to Kocks Snickerifabriker Aktiebolag, Malmo, Sweden. Sitting furniture of the knockdown type. 2,650,656, Sept. 1.
Ohlsson, Folke, assignor to Kocks Snickerifabriker Aktiebolag, Malmo, Sweden. Sitting furniture of the knockdown type. 2,650,657, Sept. 1.
Ohlsson, Sven O., assignor to Aktiebolaget Addo, Malmo, Sweden. Envelope opener. 2,647,313, Aug. 4.
Oil Center Tool Company, assignee: *See*—
Jones, Marvin R.
Le Rouax, Robert K.
Rahn, Harold C.
Oilgear Company, The, assignee: *See*—
Borer, Herbert W.
Douglas, James K. and W. G.
Ferris, Walter.
Tyler, Ransom.
Oishei, John R., Buffalo, N. Y. Windshield wiper and defroster power supply. 2,636,206, Apr. 28.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Seat for motor vehicles. 2,641,305, June 9.
Oishei, John R., Buffalo, N. Y. Accessory system and filter therefor. 2,653,444, Sept. 29.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Cable tensioning device for a windshield cleaner installation. 2,661,492, Dec. 8.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Adjustable wiping blade. 2,663,043, Dec. 22.
Ojalvo, Edmond, New York, N. Y. Manual valve having adjustable valve-opening limit means. 2,634,758, Apr. 14.

Okahara, Hisashi H., Hilo, Hawaii. Alphabet game device. 2,624,127, Jan. 6.
O'Kane, John J., Dedham, Mass. Apparatus for photographing type matter from composed lines. 2,630,743, Mar. 10.
O'Keefe, Charles J.: *See*—
Gever, Gabriel, and O'Keefe.
O'Keefe, Daniel P., Los Angeles, Calif. Vented guardrail for stoves. 2,638,893, May 19.
O'Keefe, Daniel P., Los Angeles, Calif. Gas stove control panel. 2,661,732, Dec. 8.
O'Keefe, John B., Chicago, and C. M. Igoe, Crystal Lake, Ill. Supporting structure. 2,664,147, Dec. 29.
O'Keefe & Merritt Company, assignee: *See*—
Brainard, Maurice W.
Hamilton, Sylvester J.
O'Keeffe, Andrew E.: *See*—
Braker, William, Lott, and O'Keeffe.
Lott, William A., Braker, and O'Keeffe.
Okeon, Stanley C.: *See*—
Jones, R. Lee G., and Okeon.
Okey, Perry, Columbus, Ohio. Electrostatic machine. 2,662,191, Dec. 8.
Okie, John A., Devon, assignor to Crystal X Corp., Lenni Mills, Pa. Insecticide package. 2,661,981, Dec. 8.
Okolicsanyi, Ferenc, London, England, assignor, by mesne assignments, to Chromatic Television Laboratories, Inc. Television tube. Re. 23,672, June 23.
Okon, Joseph R., Lockport, Ill. Machine for cleaning oil cooler radiators, etc. 2,624,354, Jan. 6.
Okonite Company, The, assignee: *See*—
Gooding, Francis H.
Okulitch, George J.: *See*—
Zozulin, Igor V., Okulitch, Volkoff, Okulitch, and Ellett.
Okulitch, George J., and I. V. Zozulin, Vancouver, British Columbia, Canada. Immersion type agitator and the like. 2,633,339, Mar. 31.
Okulitch, George J., and I. V. Zozulin, Vancouver, British Columbia, Canada. Automatic case filling machine. 2,643,043, June 23.
Okulitch, Vladimir J.: *See*—
Zozulin, Igor V., Okulitch, Volkoff, Okulitch, and Ellett.
Olander, Kemuel B., Minneapolis, Minn. Ironing table. 2,663,101, Dec. 22.
Olander, Kemuel B., Minneapolis, Minn. Ironing table. 2,663,102, Dec. 22.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Latch for holding doors open. 2,635,909, Apr. 21.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Clutch shifting means for hand brakes of railway cars. 2,639,627, May 26.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Clutch shifting mechanism for geared hand brakes. 2,639,628, May 26.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Clutch actuating means for hand brakes of railway cars. 2,648,984, Aug. 18.
Olcott, Harold S., Berkeley, and T. W. Campbell, Orinda, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of lipoidal substances. 2,652,332, Sept. 15.
Oldberg Manufacturing Company, assignee: *See*—
Deremer, Floyd E.
Miller, John W., and Barrie.
Oldberg, Sidney, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Hydraulic tappet. 2,654,356, Oct. 6.
Oldberg, Sidney, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Supercharger. 2,654,530, Oct. 6.
Olden, Roger G., Princeton, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Rotary compress pump. 2,629,333, Feb. 24.
Oldenburg, Elmer C., Blakeley, Minn. Container closure. 2,661,861, Dec. 8.
Oldenburg, Kenneth F., East Los Angeles, and F. N. Schwend, Monterey Park, assignors to Clary Multiplier Corporation, San Gabriel, Calif. Paper tearing mechanism. 2,642,939, June 23.
Oldham, Gordon G., Leesburg, assignor to American Machinery Corporation, Orlando, Fla. Coating machine for edible products. 2,651,286, Sept. 8.
Oldham & Son Limited, assignee: *See*—
Booth, Frank.
Martin, John R.
Oldham, Wilfred J., and M. M. Wirth, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company, Limited, London, England. Production of surface active sulfates. 2,645,656, July 14.
O'Leary, Charles M., Los Angeles, Calif. Automatic drilling machine. 2,634,099, Apr. 7.
O'Leary, Charles M., Los Angeles, Calif. Electric drilling mechanism. 2,640,685, June 2.
O'Leary, Louis: *See*—
Paul, Philip F., and O'Leary.
Oles, David: *See*—
Dunn, Henry M., and Oles.
Oleson, Wrisley B., trustee, assignee: *See*—
Beadle, Buell W., and Kraybill.
Olijnyk, Maxym: *See*—
Hudyma, Theodor, and Olijnyk.
Olin Industries, Inc., assignee: *See*—
Alderson, Dwight A., Wakefield, and Reichardt.
Barocca, Aldo J., and Seavey.
Blair, Emile.
Cagle, Lylburn S.
Calhoun, James C., Davidson, and Hansen.
Hitchens, Aaron L., and Owens.
Johnson, Melvin M., Jr.
Mitchell, Edmund G., and Timberman.
Pauls, Theron F.
Ramsey, William C.
Reinhardt, Otto K., and Stapleton.
Reinhardt, Otto K., and Welsh.
Schuricht, Alfons G.
Sefried, Harry H., II.
Stutzman, Milo J.
Temple, Lemuel M.
Winckler, Gunnar A. F.
Winckler, Gunnar A. F., and Reinhardt.
Winckler, Gunnar A. F., Rose, and Reinhardt.
Woodring, William B.
Zvanut, Carl M.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Trichloro methyl thiocyanate and preparing same. 2,650,240, Aug. 25.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Vulcanization accelerators. 2,653,924, Sept. 29.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Vulcanization accelerators. 2,653,925, Sept. 29.
Oliner, Albert, and W. F. Zimmermann, assignors to American Metal Moulding Company, Irvington, N. J. Push-pull control unit. 2,631,469, Mar. 17.
Oliphant, Charles W., Tulsa, Okla. Seismic prospecting. 2,658,578, Nov. 10.
Oliver, Alanna R., assignee: *See*—
Jeunesse, Emile.
Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier circuit having a reactive load. 2,629,006, Feb. 17.
Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television correcting circuit. 2,660,614, Nov. 24.
Oliver, Bernard M., Palo Alto, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,663,830, Dec. 22.
Oliver Corporation, The, assignee: *See*—
Rogers, Clifford R., Kolzing, and Heinlein.
Oliver, Curtis S.: *See*—
Emig, Frank R.
Smith-Johannsen, Robert, and Oliver.
Oliver, Donald S.: *See*—
Maher, Richard A., Oliver, and Wedig.
Oliver, Edd C., deceased; G. R. Oliver, executrix, assignor to G. R. Oliver, Adrian, Mich. Hydraulically operated machine tool. 2,633,103, Mar. 31.
Oliver, Frank A., East Detroit, Mich. Detachable wheel mounting for boats. 2,637,050, May 5.
Oliver, Genevieve R., executrix, assignee: *See*—
Oliver, Edd C.
Oliver Instrument Company, assignee: *See*—
Garrison, Clifford L.
Oliver, John: *See*—
Burn, Lewis, Todd, and Oliver.
Oliver, John G., Bellflower, assignor of twenty-five per cent to E. H. Rehder, Brea, twenty-five per cent to H. H. Briggs, Pasadena, and twenty-five per cent to J. E. McMillan, Bellflower, Calif. Well cementing shoe. 2,654,435, Oct. 6.
Oliver, John R., assignee: *See*—
Oliver, Virginia M.
Oliver, Russell L., Philadelphia, Pa. Cigarette dispenser. 2,663,605, Dec. 22.
Oliver, Sennet A., Montebello, Calif. Pellet mill. 2,648,296, Aug. 11.
Oliver, Virginia M., assignor of fifty per cent to J. R. Oliver, Tempe, Ariz. Mixing bowl. 2,625,020, Jan. 13.
Oliverio, John J., Clarksburg, W. Va. Antisweat flush tank. 2,664,100, Dec. 29.
Oliveto, Eugene P.: *See*—
Hershberg, Emanuel B., and Oliveto.
Olivier Paege, Walter, Madrid, Spain. Soap case. 2,661,567, Dec. 8.
Oliwa, Walter S.: *See*—
Quinby, Edwin J., Bender, and Oliwa.
Quinby, Edwin J., and Oliwa.
Oliwa, Walter S., assignor to Monroe Calculating Machine Company, Orange, N. J. Electromagnetic indicator and positioner. 2,633,566, Mar. 31.
Oliwa, Walter S., assignor to Monroe Calculating Machine Company, Orange, N. J. Photoelectric keyboard. 2,641,753, June 9.
Olmstead, Edwin H., Carlisle, Pa., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Assembling bearing elements. 2,633,627, Apr. 7.
Olney, Eugene C., Bellingham, Wash. Combined micrometer device and scale. 2,658,280, Nov. 10.

Olney, Richard B., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for contacting fluids. 2,629,654, Feb. 24.

O'Loughlin, Marion E., Los Angeles County, Calif. Face lifting device. 2,649,857, Aug. 25.

Olpe, Werner G., Jamaica, N. Y. Garment hanger of the clamp type. 2,640,633, June 2.

Olsen, Alan W.: *See*—
Kowan, Maurice H., and Olsen.

Olsen, Arthur A., Pittsfield, Mass., and W. F. Skeats, Lansdowne, Pa., assignor to General Electric Company. Air gap construction. 2,644,116, June 30.

Olsen, C. A., Manufacturing Company, The, assignee: *See*—
Chapin, Almon J.

Olsen, Ernest R., Grand Haven, Mich. Piston ring. 2,663,602, Dec. 22.

Olsen, Eugene M.: *See*—
Klaasen, Ralph J., and Olsen.

Olsen, Ernest R., Muskegon, Mich. Piston ring. 2,660,494, Nov. 24.

Olsen, Harold O.: *See*—
Schoeffler, Edward H., and Olsen.

Olsen, Homer N., Ogden, Utah. Key case and key therefor. 2,645,113, July 14.

Olsen, Horace W., Houston, Tex. Pump. 2,654,322, Oct. 6.

Olsen, John C.: *See*—
Boyce, John, and Olsen.

Olsen, John C., Campbell, and T. A. Dungan, Los Altos, Calif., assignors to Food Machinery and Chemical Corporation. Food freezing apparatus. 2,629,233, Feb. 24.

Olsen, Joseph B.: *See*—
Johnston, Joseph M., Olsen, and Moulden.

Olsen, Joseph O.: *See*—
Weber, Herbert H., and Olsen.

Olsen, Malvin H., Cook, Minn. Book matches with ejection-type ignition means therefor. 2,638,208, May 12.

Olsen, Walter: *See*
Cole, Hyman E., and Olsen.

Olsen, William B., Berkeley, Calif. Compartmental powder box having rotary valve means in the partition separating the compartments. 2,636,646, Apr. 28.

Olshefski, Anthony J., Kulpmont, Pa. Folding ironing board. 2,647,333, Aug. 4.

Olson, Albert J., Tarpon Springs, Fla. Shutter blind slat holder. 2,630,169, Mar. 3.

Olson, Albert M., Wauwatosa, and G. W. Baker, assignors to Chain Belt Company, Milwaukee, Wis. Apparatus for turning containers. 2,656,033, Oct. 20.

Olson, Alton L., Hackensack, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. System for studying electrical waves. 2,640,927, June 2.

Olson, Alton M., Seattle, Wash. Cartridge loading mechanism for bolt action guns. 2,630,645, Mar. 10.

Olson, Andrew T., Fargo, N. Dak. Cylinder gauge. 2,642,665, June 23.

Olson, Arthur R., Wakefield, and E. B. McMillan, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Permeable leather substitutes and making. 2,632,210, Mar. 24.

Olson, Buford W., Hopkins, Minn. Hold down clamp. 2,628,397, Feb. 17.

Olson, Carl E., Minneapolis, Minn. Window fastener. 2,650,124, Aug. 25.

Olson, Charles S.: *See*—
Erickson, Reinhold W., and Olson.

Olson, Curtis L., Alexandria, Va. Welding mask. 2,638,592, May 19.

Olson, Dan A. H., Huntington Park, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of ammonium sulfate from refinery wastes. 2,648,594, Aug. 11.

Olson, Douglas J., Minneapolis, Minn. Holder for paper plates and the like. 2,647,678, Aug. 4.

Olson, Earl W., Willmar, Minn. Gun rest. 2,635,246, Apr. 21.

Olson, Edward, Seattle, Wash. Dredge trommel. 2,654,481, Oct. 6.

Olson, Elmer, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 2,635,861, Apr. 21.

Olson, Elmer, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 2,635,863, Apr. 21.

Olson, Elmer, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 2,639,907, May 26.

Olson, Eric P., Oswego, assignor to The Diamond Match Company, New York, N. Y. Separating and packaging of book matches. 2,639,070, May 19.

Olson, George W., Rochester, Minn. Brake wear take-up. 2,633,940, Apr. 7.

Olson, Hans P., Racine, Wis. Weedless hook and lure. 2,651,877, Sept. 15.

Olson, Harold G., Van Nuys, Calif. Hand guard. 2,653,320, Sept. 29.

Olson, Harold T.: *See*—
Eaton, William W., and Olson.

Olson, Harold T., Baldwin, assignor to Remington Rand Inc., New York, N. Y. Film indexing. 2,660,089, Nov. 24.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Multisection acoustic filter. 2,656,004, Oct. 20.

Olson, Harry F., Princeton, and J. Preston, Metedeconk, N. J., assignors to Radio Corporation of America. Suspension system for dynamic microphones. 2,628,289, Feb. 10.

Olson, Harry F., Princeton, N. J., and D. F. Pennie, Minneapolis, Minn., assignors to Radio Corporation of America. Distortion analyzing apparatus. 2,629,000, Feb. 17.

Olson, Harry F., Princeton, and J. Preston, Metedeconk, N. J., assignors to Radio Corporation of America. Second order gradient directional microphone. 2,640,110, May 26.

Olson, Harry F., Princeton, and J. Preston, Metedeconk, N. J., assignors to Radio Corporation of America. Portable radio with a bass-reflex cabinet. 2,642,948, June 23.

Olson, Harry F., Princeton, and J. Preston, Metedeconk, N. J., assignors to Radio Corporation of America. Noise discriminating system. 2,645,684, July 14.

Olson, Harry F., Princeton, and J. Preston, Metedeconk, N. J., assignors to Radio Corporation of America. Cabinet for sound translating apparatus. 2,649,164, Aug. 18.

Olson, Henry L., assignor to Camfield Manufacturing Company, Grand Haven, Mich. Electric bread toaster. 2,624,267, Jan. 6.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Steel piston ring. 2,636,792, Apr. 28.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring. 2,637,607, May 5.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring. 2,650,143, Aug. 25.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Draw bar actuating power amplifying apparatus. 2,651,207, Sept. 8.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston enlarging machine. 2,661,643, Dec. 8.

Olson, Johan H., Larchmont, assignor to M. H. Treadwell Company, Inc., New York, N. Y. Articulated truck for railway cars. 2,639,173, May 19.

Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Community laying nest. 2,646,022, July 21.

Olson, John L.: *See*—
Dahlstrom, Harry E., and Olson.

Olson, Leonard E.: *See*—
Teter, John W., and Olson.

Olson, Oliver D., assignee: *See*—
Thompson, Thomas F.

Olson, Oscar H.: *See*—
Greenburg, Herman E., and Olson.

Olson, Oscar J., Seattle, Wash. Car parking mechanism. 2,629,507, Feb. 24.

Olson, Oscar J., Seattle, Wash. Outlet box with overlapped knockouts. 2,663,454, Dec. 22.

Olson, Oscar R., Pittsburgh, Pa. Radiant tube portable furnace. 2,635,866, Apr. 21.

Olson, Peter, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Clock setting and regulating mechanism. 2,645,077, July 14.

Olson, Raymond G., Niles, assignor of one-half to K. T. Snow, Oak Park, Ill. Grid mounting for color television picture tubes. Re. 23,735, Nov. 10.

Olson, Raymond G., Niles, assignor of one-third to K. T. Snow, Oak Park, Ill. Torque responsive washing machine. 2,634,595, Apr. 14.

Olson, Raymond G., Niles, assignor of one-half to K. T. Snow, Oak Park, Ill. Grid mounting for color television picture tubes. 2,635,205, Apr. 14.

Olson, Raymond G., Niles, assignor of one-third to K. T. Snow, Oak Park, Ill. Building bracket. 2,638,643, May 19.

Olson, Raymond J.: *See*—
Reed, Raymond E., Brant, and Olson.

Olson, Robert N.: *See*—
Allen, Harry J., and Olson.

Olson, Robert V., Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Head for spool, reel, and warp beams. 2,646,232, July 21.

Olson, Robert V., Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Torque resisting locking lug for the center tube of a spool reel or warp beam. 2,650,778, Sept. 1.

Olson, Robert W.: *See*—
Perry, Edward G., Jr., and Olson.

Olson, Robert W., Dallas, Tex., assignor to "Texas Instruments Incorporated." Variable resistance distributed seismometer. 2,626,381, Jan. 20.

Olson, Roy C., Jackson County, Miss. Somersaulting figure toy. 2,634,547, Apr. 14.

Olson, Roy N.: *See*—
Potts, Ralph H., and Olson.

Olson, Rudolph A., Portland, Oreg. Latch for casement windows. 2,650,847, Sept. 1.

Olson, Theodore A., Pompton Plains, N. J., assignor to General Motors Corporation, Detroit, Mich. Honing. 2,626,486, Jan. 27.

Olson, Walter J.: *See*—
Bruckman, William C., Kreitchman, and Olson.
Kreitchman, Morton A., and Olson.

Olson, Walter J., Clifton, N. J., assignor to American Brake Shoe Company, New York, N. Y. Foundry device. 2,638,645, May 19.

Olson, Walter J., Clifton, N. J., assignor to American Brake Shoe Company, New York, N. Y. Grab. 2,642,307, June 16.

Olson, Walter J., Clifton, N. J., assignor to American Brake Shoe Company, New York, N. Y. Grab. 2,648,562, Aug. 11.

Olsson, Robert E. O., and A. B. Dahl, assignors to Industriaktiebolaget Luxor, Motala, Sweden. Magnetic sound recording and reproducing apparatus. 2,654,808, Oct. 6.

Olszewski, Stephen C., Detroit, Mich. Turret roller bearing. 2,643,920, June 30.

Olszewski, Thaddeus, Mamaroneck, N. Y. Sectional member. 2,643,745, June 30.

Olthuis, Eugene G.: *See*—
Welch, Stanley B., and Olthuis.

Olving, Bror G., assignee: *See*—
Hendrickson, Fritz E.

Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,631,523, Mar. 17.

Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Construction for electric heaters. 2,659,798, Nov. 17.

Olympus Optical Co., Ltd., assignee: *See*—
Uji, Tatsuro, Sugiura, and Fukami.

Omaha Standard Inc., assignee: *See*—
Shadwick, William D.

O'Maley, Claude V., Richmond, Ind., assignor to The Moto-Mower Company, Detroit, Mich. Separable machine or equipment handle. 2,651,075, Sept. 8.

O'Malley, Joseph M.: *See*—
Morgan, Myles, and O'Malley.

Oman, Carl, Cedar Grove, N. J., and J. R. Clark, West Lafayette, Ind., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote metering apparatus. 2,640,974, June 2.

O'Meara, John R., Scotch Plains, assignor to Ivers-Lee Company, Newark, N. J. Package memo pad. 2,652,149, Sept. 15.

Omega Machine Company, assignee: *See*—
Harper, Lyndus E.

Omley, Herbert A.: *See*—
Foley, Robert T., and Omley.

Omni Products Corporation, assignee: *See*—
Tomonari, Tsukumo.
Tomonari, Tsukumo, and Akaboshi.

Omohundro, Allen L., Wilton, and F. M. Neumeier, Fairfield, assignors to McKesson & Robbins, Incorporated, Bridgeport, Conn. Parasiticidal lotion. 2,664,381, Dec. 29.

Omohundro, Allen L., Wilton, and F. M. Neumeier, Fairfield, assignors to McKesson & Robbins, Incorporated, Bridgeport, Conn. Parasiticidal lotions. 2,664,382, Dec. 29.

Omsted, Harald, Pasadena, assignor to Monorail Engineering and Construction Corporation, Los Angeles, Calif. Overhead monorail system. 2,630,075, Mar. 3.

Omsted, Harald, Pasadena, assignor to Monorail Engineering and Construction Corporation, Los Angeles, Calif. Safety device for monorail cars. 2,663,267, Dec. 22.

On-A-Lite Corporation, assignee: *See*—
Brooks, Linzy W.
Judson, Albert L.

Onasch, Frederick A., Milwaukee, Wis. Mixing faucet. 2,624,586, Jan. 6.

Önder, Kerim, New York, N. Y., assignor to Radio Corporation of America. Amplitude and frequency modulation radio receiver. 2,653,227, Sept. 22.

O'Neal, Willie H.: *See*—
Ames, Enos R., Thomas, O'Neal, and Sword.

O'Neale, Malcolm L., Charleston, W. Va. Guard rail. 2,631,014, Mar. 10.

Oneida, Ltd., assignee: *See*—
Rossegger, Lloyd E.

O'Neil, Albert T., assignee: *See*—
Linder, Roger P.
Linder, Victor F.

O'Neil, Edgar: *See*—
Tuttle, Clifton M., and O'Neil.

O'Neil, Joseph R., Jr., assignor to The Carborundum Company, Niagara Falls, N. Y. Sanding disk accessory. 2,644,280, July 7.

O'Neil, Paul T., Englewood, N. J., assignor to Connecticut Telephone and Electric Corporation, Meriden, Conn. Telephone instrument. 2,640,109, May 26.

O'Neil, Paul T., Englewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier stack. 2,657,344, Oct. 27.

O'Neil, Stephen J., Lexington, Mass. Tumbleproof, spillproof, or gimbal-lock-free gyro. 2,649,809, Aug. 25.

O'Neil, William F., assignor to The General Tire and Rubber Company, Akron, Ohio. Pneumatic tire and making same. 2,645,265, July 14.

O'Neill, Danielle, and A. Ernst, Wildwood, N. J. Combination portable beach tent and umbrella. 2,652,845, Sept. 22.

O'Neill, Edith L., assignee: *See*—
O'Neill, Frank E.

O'Neill, Edward M., assignor to Union Machine Company, San Francisco, Calif. Apparatus for proportioning liquid mixtures. 2,647,485, Aug. 4.

O'Neill, Frank E., assignor to E. L. O'Neill, Los Angeles, Calif. Cutting apparatus for well conduits. 2,624,409, Jan. 6.

O'Neill, Harry T., Jr., New Bedford, Mass., assignor to The Continental Elastic Corporation. Thread end release and cutting mechanism. 2,646,936, July 28.

O'Neill, Louis R.: *See*—
Herod, Newton S., and O'Neill.

O'Neill, Paul A., assignor to Union Machine Company, San Francisco, Calif. Liquid level gauge. 2,656,611, Oct. 27.

Onia, John, Berkley, assignor to Bendix Aviation Corporation, Detroit, Mich. Pulse amplifier. 2,632,064, Mar. 17.

Onia, John, Berkley, and G. S. Sirvis, assignors to Bendix Aviation Corporation, Detroit, Mich. Control apparatus. 2,625,632, Jan. 13.

Onley, William B., Jr., Owensboro, Ky., assignor of fifty per cent to W. N. Larson, Sr., Evansville, Ind. Articulated wheeled pull toy. 2,661,573, Dec. 8.

Ono, Tsurukichi, Fukushima-Ken, Japan. Fuel injection apparatus for injection engines. 2,664,313, Dec. 29.

Onondaga Pottery Company, assignee: *See*—
Briggs, Arthur J.
Cowan, R. Guy.

Onorato, Frank S. New York, N. Y. Apparatus for non refillable bottles. 2,626,723, Jan. 27.

Onsrud Machine Works, Inc., assignee: *See*—
Groen, Willem.
Nilson, Arne, and Onsrud.

Onsrud, Rudolph F.: *See*—
Nilson, Arne, and Onsrud.

Ontario Fire Prevention & Service, assignee: *See*—
Rycroft, Robert W.

Ontario Manufacturing Company, assignee: *See*—
Moon, Charles R.

Ontario Research Foundation, assignee: *See*—
Armstrong, William N. B., and Kredentser.

Onyx Oil & Chemical Company, assignee: *See*—
Du Bois, Adrien S., and Valko.

Oortgijsen, Jan, Rijswijk, Netherlands. Electrical terminal having conductor-severing edge. 2,651,768, Sept. 8.

Opavsky, Walter, Coburg, Germany. Production of seamless hollow rubber articles. 2,652,596, Sept. 22.

Opel, Lawrence G.: *See*—
Harding, William R., and Opel.

Opel, Lawrence G., Akron, and W. R. Harding, Eas Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage regulating generator. 2,648,044, Aug. 4.

Opfermann, Adolf C. J., assignee: *See*—
Thiele, Wolfgang E.

Opheim, Aldrid N.: *See*—
Wilcox, Henry O Raymond, and Opheim.

Opie, John, Riverside, Ill. Sugar sanding machine for confections and the like. 2,625,903, Jan. 20.

Oplinger, Kirk A.: *See*—
Hanna, Clinton R., and Oplinger.

Opp, Carl J., and R. E. Werner, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y Methyl methacrylate-modified oil alkyd. 2,647,093 July 28.

Opp, Carl J., and R. E. Werner, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y Alkyd resin. 2,647,095, July 28.

Oppegaard, Assur G., Fredrikstad, Norway, assignor to National Lead Company, New York, N. Y. Reduction of iron ores. 2,663,632, Dec. 22.

Oppel, John A.: *See*—
McCurry, Eugene T., Oppel, and Quinlan.

Oppel, John A., Aldan, Pa., assignor to General Electric Company. Overriding inverse time-delay trip mechanism for circuit breakers. 2,632,823, Mar. 24.

Oppel, John A., Aldan, and E. J. Frank, Springfield, Pa., assignors to General Electric Company. Transitory latching switch mechanism. 2,640,122, May 26.

Oppenauer, Rupert, Buenos Aires, Argentina. Device for measuring the viscosity of liquids. 2,625,817, Jan. 20

Oppenlander, Furlys F., Berkeley, and J. L. Boles, Sacramento, assignors of one-third to said Boles and two thirds to E. D. Easton, Rio Vista, Calif. Wheel suspension. 2,631,842, Mar. 17.

Opre, James H.: *See*—
McVey, Emmett E., and Opre.

Optical Accessories Corp., assignee: *See*—
Wilson, Isidore J.

Optical Measuring Tools Limited, assignee: *See*—
Dietrich, Cornelius F., and Smith.

Orajet Corporation, assignee: *See*—
Lake, Irving A.

Orbell, Juliana, assignee: *See*—
Gano, Joseph J.

Orchard, David W., Willoughby, Ohio. Cigarette protector. 2,646,049, July 21.

Orchoff, Jacob H., Providence, R. I. Clutch clasp construction. 2,653,367, Sept. 29.

Orcutt, Dale C., and C. J. Dry, Athens, Ohio. Power transmission mechanism. 2,641,137, June 9.

Ord, Geoffrey: *See*
Uttley, Albert M., Noble, Bannister, and Ord.

Oregon Saw Chain Corporation, assignee: *See*—
Cox, Joseph B.
O'Reilly, Joseph A., El Cerrito, Calif. Combination shirt board and collar protector. Re. 23,712, Sept. 8.
O'Reilly, Joseph A., El Cerrito, assignor of one-half to W. P. Hooker, Redwood City, Calif. Interlocked hinged closure. 2,643,047, June 23.
Orel, Jaroslav, assignor to Meopta, národní podnik, Prerov, Czechoslovakia. Four-member photographic objective. 2,641,966, June 16.
Orelind, John R., Wilmette, Ill., assignor to International Harvester Company. Power washing centrifugal separator. 2,629,547, Feb. 24.
Orellana, Ildefonso G.: *See*—
Harmon, William C., and Orellana.
Orem, George W.: *See*—
Brandenburg, Lester L., and Orem.
Orem, Sidney R., Jr.: *See*—
McBride, Charles B., Best, and Orem.
Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet harvester. 2,624,997, Jan. 13.
Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet harvester having beet cleaning means. 2,637,964, May 12.
Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Power-operated beet harvesting device. 2,651,155, Sept. 8.
Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Vegetable cart. 2,651,426, Sept. 8.
Orenge, Tony H., Jersey City, N. J. Overall with strap arrangement. 2,640,990, June 9.
Orenick, Emil H., Cleveland, Ohio. Cosmetic holder. 2,644,577, July 7.
Orent, Edward: *See*—
Purchas, William J., Jr., and Orent.
Orfitelli, Michael A., Manchester, Conn. Means for making ice cream. 2,642,009, June 16.
Organon Inc., assignee: *See*—
Grob, Cyril.
Homan, Jan D. H.
Oriel, Benjamin J., New York, N. Y. Coated paper. 2,634,220, Apr. 7.
Original Enderes Company, assignee: *See*—
Lytle, Orville C.
Orizar Products Inc., assignee: *See*—
Kimball, Frank T.
Orkin, Bernard, Philadelphia, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Oxidative dehydrogenation of cyclic hydrocarbons. 2,661,380, Dec. 1.
Orkin, Bernard A., Philadelphia, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Hexa(alkoxy) and hexa(alkylthio) disiloxanes. 2,626,957, Jan. 27.
Orlando, Ruth G., St. Paul, Minn. Child's training chair. 2,628,665, Feb. 17.
Orlin, Max, Passaic, N. J. Price tag holder. 2,640,288, June 2.
Orloff, George: *See*—
Conway, Hugh G., Orloff, and Fairclough.
Ormesher, James E., Valentine, Nebr. Live bait container. 2,644,269, July 7.
Ormrod, Douglas H.: *See*—
Bray, Frederick H., Wilson, Ormrod, and Johnstone.
Ormsby, Stewart D., Oswego, N. Y. Vertical stabilizer for vehicle wheels. 2,660,475, Nov. 24.
Orndoff, John D., Santa Fe, N. Mex., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Control apparatus. 2,650,329, Aug. 25.
Ornitz, Edward M., Beverly Hills, Calif. Supporting assembly for concrete forms. 2,635,320, Apr. 21.
Ornitz, Martin N., and R. H. English, assignors, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Furnace conveyer element. 2,663,558, Dec. 22.
Orno-Ornfeldt, Eduard, Bonn-Dransdorf, assignor to Chemieprodukte G. m. b. H., Leverkusen-Rheindorf, Germany. Manufacture of lubricating greases. 2,658,037, Nov. 3.
Orochena, Salvador F., assignor to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Manufacture of thiophosphate esters. 2,657,229, Oct. 27.
Oroquieta, Jesús V., Buenos Aires, Argentina. Cylinder lock with key-way obstructing means. 2,641,125, June 9.
Orr, Andrew W., Jr.: *See*—
Schorn, Carl F., Bobier, and Orr.
Orr, Carroll E., Westfield, assignor to Syncro Machine Company, Perth Amboy, N. J. Means for locking reels on arbors. 2,647,775, Aug. 4.
Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Damping device for railway car trucks. 2,626,572, Jan. 27.
Orr, Clifford B., assignor to The General Tire and Rubber Company, Akron, Ohio. Pneumatic tire and making same. 2,628,652, Feb. 17.
Orr, Clifford M., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Floating roof for liquid storage tanks. 2,635,782, Apr. 21.
Orr, Clifford M., and L. C. Bannister, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Seal support for floating roof tanks. 2,630,937, Mar. 10.
Orr, Francis H.: *See*—
Tamminga, William J., Kinney, and Orr.
Orr, Frank W., trustee, assignee: *See*—
Barbee, Roy T., and Wiley.
Orr, Howard S., Gary, Ind., assignor to United States Steel Corporation. Multiple rolling of strip. 2,645,842, July 21.
Orr, Howard S., and A. Teplitz, Pittsburgh, Pa., assignors to United States Steel Corporation. Joining thin metallic sheets. 2,641,674, June 9.
Orr, John H., assignor to Carbodies Limited, Coventry, England. Means for actuating the door locks of motorcars. 2,661,976, Dec. 8.
Orr, Palmer, and K. M. Armantrout, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Lubrication means for transmissions. 2,654,441, Oct. 6.
Orr, Palmer, and C. L. Swift, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,658,413, Nov. 10.
Orrick, Harry C., Jr., Cedar Falls, Iowa, assignor, by mesne assignments, to Deere Manufacturing Co. Seat construction, especially for tractors. 2,628,657, Feb. 17.
Orsini, Anthony, Bergenfield, assignor to Specialties Development Corporation, Belleville, N. J. Discharge apparatus. 2,631,675, Mar. 17.
Orsini, Camillo D., Highland Park, assignor to Nixon Nitration Works, Nixon, N. J. Extrusion dies for forming thermoplastic and thermosetting plastic materials. 2,629,898, Mar. 3.
Orsini, Camillo D., Highland Park, assignor to Nixon Nitration Works, Nixon, N. J. Extrusion die unit for molding plastic materials. 2,636,218, Apr. 28.
Orsino, Joseph A., Mountain Lakes, N. J., assignor to National Lead Company, New York, N. Y. Manufacture of positive plates for lead storage batteries. 2,658,097, Nov. 3.
Ortega, Mario D., Asharoken Beach, N. Y. Vacuum cleaning water separator. 2,649,927, Aug. 25.
Örtenblad, Sture J. V., Stockholm, Sweden. Time-controlled actuating apparatus. 2,632,066, Mar. 17.
Ortendahl, David, West Roxbury, assignor to Farrington Manufacturing Company, Boston, Mass. Box with rotating article support. 2,647,623, Aug. 4.
Ortgies, Raymond C., Homewood, Ill., assignor to Whiting Corporation. Suppressor for solid particles and fumes. 2,653,674, Sept. 29.
Orthner, Ludwig, Frankfurt am Main, and M. Rieber, assignors to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius und Bruning, Frankfurt am-Main Hochst, Germany. Process of preparing light-colored rubber hydrochlorides. 2,654,793, Oct. 6.
Ortho Pharmaceutical Corporation, assignee: *See*—
Mende, William C.
Orthoefer, Richard H.: *See*—
Benua, Louis P., Coulter, and Orthoefer.
Orthopedic Equipment Co., assignee: *See*—
Grindle, Charles R., and Saemann.
Ortloff, John E., Tulsa, Okla., assignor to Standard Oil Development Company. Double-acting drill bit. 2,626,780, Jan. 27.
Ortloff, John E., Tulsa, Okla., assignor to Standard Oil Development Company. Well bore retrieving tool. 2,637,590, May 5.
Ortman, Cecil K.: *See*—
Otting, Herbert E., and Ortman.
Orton Crane & Shovel Company, assignee: *See*—
Orton, Raymond E.
Orton, Leonard H. H.: *See*—
Needham, James C., and Orton.
Orton, Raymond E., assignor to Orton Crane & Shovel Company, Chicago, Ill. Rotary hydraulic transmission prime mover control. 2,628,470, Feb. 17.
Orwin, Olaf J. B., assignor to Fisher & Ludlow Limited, Smethwick, England. Conveyer chain. 2,640,585, June 2.
Ory, Edward W., assignor to The Englander Company, Inc., Chicago, Ill. Seat. 2,663,360, Dec. 22.
Orzel, Agnes W., assignee: *See*—
Orzel, Francis J.
Orzel, Francis J., Flushing, N. Y., assignor to A. W. Orzel, Hackensack, N. J. Building construction and slab therefor. 2,635,450, Apr. 21.
Osaka, Rikijiro, New York, N. Y. Combination holder. 2,658,544, Nov. 10.
Osbon, Henry N., Houston, Tex. Mud device. 2,631,729, Mar. 17.
Osbon, John W., Jr., Dayton, Ohio. Invalid bed. 2,635,899, Apr. 21.
Osbon, John W., Jr., Dayton, Ohio. Mattress with toilet attachment. 2,656,549, Oct. 27.
Osborn, Alden E., Mount Vernon, N. Y. Joint for smooth-surfaced pipes. 2,635,901, Apr. 21.
Osborn, Leonard C., Salt Lake City, Utah. Safety wrench for tubes and pipes. 2,644,358, July 7.
Osborn Manufacturing Company, The, assignee: *See*—
Benyak, John B.
Delenk, Wolfram N.
Nelson, Brooks E., and Peterson.
Peterson, Ruben O.
Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Conversion arrangement for suction cleaners. 2,644,976, July 14.
Osborn, Ralph C., assignor to Eureka Williams Corporation, Bloomington, Ill. Rotary brush for suction cleaners. 2,659,921, Nov. 24.

Osborn, Robert M., Inglewood, Calif., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method and apparatus utilizing high-frequency electrical energy in shoemaking. 2,633,586, Apr. 7.
Osborne, Fay H., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn. Paper from long synthetic fibers and partially water soluble sodium carboxymethylcellulose and method. 2,626,214, Jan. 20.
Osborne, Frank, Adlington, near Macclesfield, assignor to Wm. Ayrton & Company, Limited, Longsight, Manchester, England. Precision cross winding for yarns. 2,652,987, Sept. 22.
Osborne, Fred H., Snyder, N. Y., assignor to Rudolph Wurlitzer Company, Chicago, Ill. Automatic phonograph. 2,631,856, Mar. 17.
Osborne, Henry H., assignor to L. M. Jansen, Gresham, Oreg. Safety device for vehicle brake systems. 2,624,176, Jan. 6.
Osborne, Herbert C., assignor to Webster Electric Company, Racine, Wis. Pump. 2,655,108, Oct. 13.
Osborne, Howard S., assignee: *See*—
Osborne, Raymond G.
Osborne, Raymond G., and Boykin.
Osborne, James C.: *See*—
Murray, John F., and Osborne.
Osborne, James E., Tulelake, Calif. Potato planter. 2,642,909, June 23.
Osborne, Le Roy M., San Rafael, and B. Stockfleth, Paradise Cove, Calif. Card punch. 2,624,940, Jan. 13
Osborne, Mark J.: *See*—
Shea, Lindsey W., and Osborne.
Osborne, Michael B., Bijou, Calif., and A. F. von Soden, Las Vegas, Nev. Dust collecting and air purifying apparatus. 2,631,688, Mar. 17.
Osborne, Noel B.: *See*—
Davis, Robert O., and Osborne.
Osborne, Philip S., assignee: *See*—
Osborne, Raymond G., and Boykin.
Osborne, Raymond G., Jr., assignee: *See*—
Osborne, Raymond G., and Boykin.
Osborne, Raymond G., Los Angeles, Calif., assignor of one-fourth to R. G. Osborne, Jr., one-fourth to H. S. Osborne, and one-fourth to P. S. Osborne. Vesiculation. 2,627,642, Feb. 10.
Osborne, Raymond G., Los Angeles, and R. O. Boykin, Glendale, Calif., assignors of one-fourth to said R. G. Osborne, one-fourth to R. G. Osborne, Jr., one-fourth to H. S. Osborne, and one-fourth to P. S. Osborne. Recording device for concrete mixing drums. 2,658,731, Nov. 10.
Osborne, Russell E., and S. H. Moyer, Mill Valley, Calif. Corrugating machine. 2,663,351, Dec. 22.
Osborne, Samuel C.: *See*—
Fletcher, James L., and Osborne.
Osborne, Samuel C., assignor to Carrier Corporation, Syracuse, N. Y. Fan wheel for centrifugal fans. 2,626,741, Jan. 27.
Osborne, Wilbur W., Glen Rock, N. J., assignor to Curtiss-Wright Corporation. Emergency exit means for aircraft. 2,658,702, Nov. 10.
Osborne, Wiley W., Fort Lauderdale, Fla. Sling shot magazine. 2,625,925, Jan. 20.
Osborne, William E.: *See*—
Tasker, Homer G., Hiebert, Kelsey, and Osborne.
Osburn, Howard W., Detroit, Mich., assignor, by mesne assignments, to Hadley Manufacturing Company, Defiance, Ohio. Vacuum operated pump. 2,630,102, Mar. 3.
Osfar, Ernest J., Minneapolis, Minn. Powdered and granulated material container with self-closing dispensing valve. 2,626,089, Jan. 20.
Osgian, James M., Farmington, Mich. Direction indicator switch mechanism. 2,650,273, Aug. 25.
Osgood, Arthur B., and A. E. Swanson, assignor to The Day Company, Minneapolis, Minn. Air cleaner construction. 2,661,079, Dec. 1.
Osgood, Charles F., Claremont, N. H., assignor to Joy Manufacturing Company. Drill steel guide. 2,648,523, Aug. 11.
Osgood, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Material haulage vehicle. 2,634,008, Apr. 7.
Osgood, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Tilting arrangement for short-wall coal cutting machines. 2,650,811, Sept. 1.
Osgood, Elliott D.: *See*—
Schechter, William H., and Osgood.
Osgood, John H., Claremont, N. H. Contour inspection device. 2,648,912, Aug. 18.
Osgood, Robert C., and F. B. Engel, Claremont, N. H., assignors to Joy Manufacturing Company. Fluid supply connection for shovel centering means. 2,625,281, Jan. 13.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Roll-stripping means for cementing machines. 2,642,032, June 16.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Cementing machine for flexible material having a worktable and extended guide rolls. 2,652,022, Sept. 15.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Damper for furnace flues. 2,661,905, Dec. 8.
Osgood, Walter P., Malden, assignor to Boston Machin Works Company, Lynn, Mass. Cementing machine fo thin flexible sheet material. 2,664,068, Dec. 29.
O'Shea, Maurice, Elmhurst, N. Y. Support bracke 2,630,256, Mar. 3.
O'Shei, William E., London, England. Suction moto 2,664,074, Dec. 29.
Oshry, Howard I.: *See*—
Steigerwalt, Oliver I., and Oshry.
Osip, Margaret L.: *See*—
Hill, Eugene F., and Osip.
Oslund, Willis L., Forest Lake, Minn. Fish net. 2,653,403 Sept. 29.
Osman, Ralph T., Whitefish Bay, Wis. Abrasive posi tioning means for abrading machines. 2,632,982, Ma 31.
Osmun, Dean W., Houston, Tex. Inside pipe cutte 2,659,434, Nov. 17.
Osmun, Dean W., Houston, Tex. Casing repair too 2,659,440, Nov. 17.
Osojnak, Boris M.: *See*—
Rose, Bennie A., and Osojnak.
Osplack, Joseph J., assignor to Vinco Corporation, Detroit Mich. Grinding wheel spindle. 2,629,976, Mar. 3.
Osplack, Joseph J., assignor to Vinco Corporation, Detroit Mich. Method and apparatus for dressing helical grind ing wheels. 2,659,357, Nov. 17.
Ossanna, Fred A., Jr., Austin, Tex. Vending or dispens ing machine for cylindrical containers. 2,628,875 Feb. 17.
Ostberg, Erik, assignor to Easy Washing Machine Corpo ration, Syracuse, N. Y. Support. 2,641,425, June 9.
Osten, Fred C., Sr., Detroit, Mich. Window construction 2,658,242, Nov. 10.
Ostendorf, Bernard, Jr., Stamford, Conn., assignor to Bel Telephone Laboratories, Incorporated, New York, N. Y Voltage regulator. 2,653,252, Sept. 22.
Ostendorf, Bernard, Jr., Stamford, Conn., and R. A Vanderlippe, Bloomfield, N. J., assignors to Bell Tele phone Laboratories, Incorporated, New York, N. Y Communication signal lamp control circuit. 2,657,336 Oct. 27.
Oster, Charles J.: *See*—
Schanzlin, Ernest H., and Oster.
Oster, John, Manufacturing Company, assignee: *See*—
Brown, Ellis M., and Forss.
Forss, Fritz V., and Neff.
Neff, Gene M.
Oster, Stanley E., Cleveland, Ohio. Audible signal an detachable securing means for fishing rods. 2,641,07 June 9.
Osterberg, Harold, and R. M. Muller, Buffalo, N. Y., an R. K. Luneburg, Los Angeles, Calif., assignors to Ameri can Optical Company, Southbridge, Mass. Condense lens system for projectors. 2,637,242, May 5.
Osterfeld, George J., Cincinnati, assignor of one-half t T. S. Hogan, Loveland, Ohio. Gravel spreade 2,647,448, Aug. 4.
Östergren, Gustaf, assignor to Aktiebolaget Jonkoping Motorfabrik, Jonkoping, Sweden. Propeller pitc change mechanism. 2,664,167, Dec. 29.
Osterheld, Clark M., Stoughton, Wis., assignor to Mc Graw Electric Company, Elgin, Ill. Corrosion pre venting means. 2,656,314, Oct. 20.
Osterhus, Erwin J.: *See*—
Richards, Archer W., and Osterhus.
Osterkorn, Charles L., Flushing Heights, assignor to Fed ders-Quigan Corporation, Buffalo, N. Y. Damper con trol means for air conditioning units. 2,660,945, Dec.
Osterreichische Stickstoffwerke Aktiengesellschaft, a signee: *See*—
Kratzl, Karl, and Kvasnicka.
Ostertag, Harry M., Drexel Hill, assignor to Scott Pape Company, Chester, Pa. Yankee drier. 2,628,43 Feb. 17.
Osti, Aldo P., and M. Balicki, Brooklyn, N. Y. Impre nated metal and producing same. 2,661,238, Dec. 1.
Ostier, Marius H., Mereville, France. Seed pelle 2,656,649, Oct. 27.
Ostline, John E., assignor to Automatic Electric Labora tories, Inc., Chicago, Ill. Telephone system. 2,628,28 Feb. 10.
Ostline, John E., assignor to Automatic Electric Labora tories, Inc., Chicago, Ill. Toll switching system 2,631,195, Mar. 10.
Ostline, John E., assignor to Automatic Electric Labora tories, Inc., Chicago, Ill. Combination multicontact re lay and terminal assembly. 2,632,814, Mar. 24.
Ostline, John E., assignor to Automatic Electric Labora tories, Inc., Chicago, Ill. Calling line identificatio apparatus. 2,639,330, May 19.
Ostline, John E., assignor to Automatic Electric Labora tories, Inc., Chicago, Ill. Automatic telephone system 2,639,331, May 19.
Ostlund, Gustav, assignee: *See*—
Hansson, Karl J.
Ostrander, Charles W., Baltimore, Md., assignor to Rheem Manufacturing Company, New York, N. Y. Brigh corrosion resistant coating of metals. 2,628,925, Feb 17.
Ostrander, John K., Philadelphia, Pa. Off-peak electri water heating system. 2,660,657, Nov. 24.

Ostrander, Robert F., Woodbridge, Conn. Time-service control apparatus for auto service stations and the like. 2,647,328, Aug. 4.
Ostrochovsky, Milan R., Fairlawn, assignor to Standard Button Machine Co., Inc., Paterson, N. J. Button blank slicing machine. 2,640,380, June 2.
Ostroff, Harold H., Ferguson, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Maximum-minimum fuel flow regulator responsive to ram jet engine ram pressure. 2,654,995, Oct. 13.
Ostrognai, Allen G., Milford, Conn., assignor to General Electric Company. Radial flow fan. 2,630,267, Mar. 3.
Ostrow, Barnet D., Brooklyn, N. Y. Bright gold and gold alloy plating baths. 2,660,554, Nov. 24.
Oswald, Harold F.: *See*—
Murdock, Joseph K., Le Roy, and Oswald.
Oswald, Joseph H., South Euclid, Ohio. Window screen fitting. 2,638,622, May 19.
Ostwaldt, Erich, Berlin-Hermsdorf, assignor to Adrema Maschinenbau G. m. b. H., Berlin, Germany. Tab for addressing machine plates. 2,660,176, Nov. 24.
Oswalt, Burlin W., Union, Ohio. Hydraulic brake adjuster. 2,638,186, May 12.
Oswalt, George L., Forest Park, Ill. Vibrating mechanism. 2,651,827, Sept. 15.
Oswalt, George L., Forest Park, Ill. Endless chain and means of making same. 2,652,142, Sept. 15.
Oswalt, Robert L.: *See*—
Huffman, Eugene H., and Oswalt.
Oswego Falls Corporation, assignee: *See*—
Wilcox, Isaac L., and Cole.
Otarion, Inc., assignee: *See*—
Hull, Denison B.
Webster, Stanley K.
Othmer, Donald F., Coudersport, Pa., M. B. Jacobs, and N. Wishnefsky, Brooklyn, N. Y. Separation of essential oils into component fractions. 2,631,145, Mar. 10.
Otis, Allan L., White Bird, Idaho. Dehorning device. 2,645,011, July 14.
Otis Elevator Company, assignee: *See*—
Bruns, William H., and Davis.
Sahlin, Eric A.
Otis Engineering Corporation, assignee: *See*—
Margles, Samuel G.
Margles, Samuel G., and Fabula.
Miller, Ira A.
Tucker, Benjamin W., Jr.
Otis, George A., Seattle, Wash. Saliva ejector. 2,637,106, May 5.
Otis, Herbert C., Dallas, Tex. Flow guiding device. 2,649,914, Aug. 25.
Otis, Herbert C., Dallas, and J. C. Luccous, Midland, Tex.; said Luccous assignor to said Otis. Regulator. 2,660,246, Nov. 24.
Otis Pressure Control, Inc., assignee: *See*—
Fredd, John V.
Otis, Stanley J., Madison, Wis. Electrical system for cyclic controls. 2,661,060, Dec. 1.
Otken, Edwin J., New York, assignor to Good Humor Corporation, Brooklyn, N. Y. Machine for coating confections. 2,638,071, May 12.
Otken, Edwin J., New Brunswick, N. J., assignor to Good Humor Corporation, Brooklyn, N. Y. Confection feeding and releasing machine. 2,659,503, Nov. 17.
Otsego Log Cabin Company, The, assignee: *See*—
Styles, Earl E.
Otstot, James L.: *See*—
Kaebnick, Gustav A., Parr, and Otstot.
Otsuka, Akira, Meguro-ku, Tokyo, Japan. Manufacture of shoes. 2,648,854, Aug. 18.
Ott, Arnold C., and M. F. Murray, assignors to The Upjohn Company, Kalamazoo, Mich. Oxidizing steroid alcohols. 2,625,556, Jan. 13.
Ott, Arnold C., and M. F. Murray, assignors to The Upjohn Company, Kalamazoo, Mich. Protection of alcoholic steroid hydroxyl groups. 2,637,728, May 5.
Ott, Charles W., Maywood, Ill. Device for visual training. 2,661,444, Dec. 1.
Ott, Gustav H., Richen, assignor to Ciba Limited, Basel, Switzerland. Epoxy resin-polycarboxylic acid-dicyandiamide reaction products. 2,637,715, May 5.
Ott, Gustav H., Richen, assignor to Ciba Limited, Basel, Switzerland. Epoxy-resin, polycarboxylic acid polyamine reaction products. 2,637,716, May 5.
Ott, John B.: *See*—
Bennett, George E., and Ott.
Ott, John B., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing the N-carboxyphenylalanine anhydrides. 2,653,947, Sept. 29.
Ott, Thomas W., St. Paul, Minn. Vacuum cleaner head with handle controlled valve. 2,659,099, Nov. 17.
Ott, Walter A., assignor, by mesne assignments, to P. W. Howard, Cleveland, Ohio. Washing machine with coacting motor drive and drain control. 2,649,705, Aug. 25.
Ottawa Steel Products, Inc., assignee: *See*—
Dorkins, Evan E.
Otte, Charles W., assignor to Vulcan Corporation, Cincinnati, Ohio. Automatic machine for turning wood heels. 2,631,621, Mar. 17.
Otte, Karl H., Chicago, Ill., assignor to Purity Bakeries Service Corporation. Pan dumping device. 2,639,827, May 26.
Otte, Karl H., Chicago, Ill., assignor to Purity Bakeries Service Corporation. Extracting device for bakery products. 2,639,828, May 26.
Otten, Philip S., New Rochelle, assignor to The Griscom Russell Company, New York, N. Y. Spiral heat exchanger. 2,663,549, Dec. 22.
Otterholm, Cyril J., assignor to Walter Haertel Company, Minneapolis, Minn. Humidity regulating apparatus. 2,648,202, Aug. 11.
Otting, Herbert E., Westerville, and C. K. Ortman, Worthington, Ohio, assignors to M & R Dietetic Laboratories, Inc. Producing concentrated milk products. 2,633,424, Mar. 31.
Ottinger, August F.: *See*—
Brady, Charles V., and Ottinger.
Ottinger, Eulalia E., executrix: *See*—
Hugo, Victor J., Miller, and Ottinger.
Ottinger, Harry: *See*—
Hugo, Victor J., Miller, and Ottinger.
Ottmar, Jerome, Attleboro, Mass., G. A. Matteson, Jr., Providence, R. I., U. U. Savolainen, Attleboro, and P. G. Chace, Attleboro Falls, assignors to Metals & Controls Corporation, Attleboro, Mass. Pressure receptacle and closure therefor. 2,629,513, Feb. 24.
Otto, Carl, Manhasset, N. Y. Coke oven buckstay structure. 2,641,575, June 9.
Otto, Carl, Manhasset, N. Y. Ammonium sulfate production. 2,645,559, July 14.
Otto, Carl, Manhasset, N. Y. Production of sulfate of ammonia. 2,645,560, July 14.
Otto, Carl, Manhasset, N. Y. Ammonia saturator and tar removal apparatus. 2,646,345, July 21.
Otto, Carl L., Jr., Lummi, Wash. Integrating compass. 2,651,842, Sept. 15.
Otto, Earl A.: *See*—
Figore, Roland E., and Otto.
Otto, Ferdinand P., and L. W. Manley, Woodbury, and R. V. White, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Gear lubricant. 2,638,447, May 12.
Otto, Ferdinand P., and O. M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Esters of thiophene-modified maleic anhydride-styrene copolymers. 2,654,727, Oct. 6.
Ottoson, Anna, New York, N. Y. Sleeve stretcher. 2,630,252, Mar. 3.
Otvos, John W.: *See*—
Pompeo, Domenick J., and Otvos.
Ouaida, Sadallah, Tripoli, Lebanon. Float balance. 2,634,120, Apr. 7.
Ouellet, Albert F., New York, N. Y. Ship construction for reducing drag. 2,663,276, Dec. 22.
Ouellette, Clarence, Springfield, assignor to Wrap-King Corporation, West Springfield, Mass. Label machine. 2,646,184, July 21.
Ouellette, Maxime E., Macwahoc, Maine. Fire detector. 2,627,004, Jan. 27.
Oullanoff, George, Allestree, Derby, and C. A. Davis, Barrow-on-Soar, near Loughborough, assignors to Rolls-Royce Limited, Derby, England. Exhaust system for gas turbine engines in aircraft. 2,641,422, June 9.
Oulouhojian, Michael, Upper Darby, Pa. Collar retaining device. 2,651,782, Sept. 15.
Ouperoff-Urne, Vasili, assignor of one-half to Laaketehdas Orion Oy, Helsinki, Finland. N,N'-piperazine dicarbamate of 2,4-dihydroxyphenylthiol. 2,650,925, Sept. 1.
Our Savior's Evangelical Lutheran Church, assignee: *See*—
Sundholm, Edwin P.
Outboard, Marine & Manufacturing Company, assignee: *See*—
Conover, Warren C.
Irgens, Finn T.
Watkins, Lucius D.
Outers Laboratories, Inc., assignee: *See*—
Johnson, Clarence J.
Outterson, George G., Mexico, N. Y. Safety control system for fuel burners. 2,655,207, Oct. 13.
Outterson, George G., Mexico, N. Y. Electrical control for combustion systems. 2,655,208, Oct. 13.
Oven, Gerald E., Detroit, and W. Suter, Melvindale, assignors to Kaiser-Frazer Corporation, Willow Run, Mich. Composition for preparing soldered metal surfaces for painting. 2,662,838, Dec. 15.
Overbaugh, Charles B., Denver, Colo. Dispenser for granular materials. 2,650,742, Sept. 1.
Overbaugh, Walter V.: *See*—
Arnold, George B., Hess, Skelton, and Overbaugh.
Hess, Howard V., Arnold, Skelton, and Overbaugh.
Kirsch, Howard A., Skelton, and Overbaugh.
Overbeck, Charles J., and J. Storniolo, Philadelphia, Pa. Deep frying strainer. 2,635,527, Apr. 21.
Overbeke, John W., Cleveland, Ohio. Hydraulic fluid mechanism. 2,646,754, July 28.
Overbeke, John W., Cleveland, Ohio. Control valve. 2,653,003, Sept. 22.
Overbeke, John W., Cleveland Heights, assignor to The Parker Appliance Company, Cleveland, Ohio. Piston actuated sleeve type relief valve. 2,655,173, Oct. 13.
Overbey, Ernest E., and J. D. Holmbeck, assignors to The James Knights Company, Sandwich, Ill. Temperature control unit for piezoelectric crystal. 2,651,731, Sept. 8.

Overbury, Austin A.: *See*—
Fleming, Howard M., and Overbury.
Overby, Sune L.: *See*—
Ericsson, Eric A., Jörgensen, and Överby.
Overend, William G.: *See*—
Stacey, Maurice, and Overend.
Overhead Door Corporation, assignee: *See*—
Moler, Charles C.
Rosenbaum, William B.
Overholt, Lyle E.: *See*—
Bieber, Frederick J., and Overholt.
Overholt, Ray L., New Rochelle, assignor to United States Plywood Corporation, New York, N. Y. Dielectric material. 2,639,248, May 19.
Overland, Leo D., Brooklyn, and J. W. Levine, Bayside, N. Y. Automatic means for making special cardboard containers. 2,643,591, June 30.
Overly Biochemical Research Foundation Inc., The, assignee: *See*—
Wallerstein, James S., Hale, Alba, and Levy.
Overman, Harold S.: *See*—
Overman, Ilma M. and H. S.
Overman, Horace W., and C. G. Wolgamott, Columbus, Ohio, assignors, by mesne assignments, to Bigelow, Inc. Apparatus for bonding linings to brake shoes. 2,653,644, Sept. 29.
Overman, Ilma M. and H. S., Dahlgren, Va. Sewing machine. 2,657,654, Nov. 3.
Overman, Joseph D., Milltown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making colloid silver halide emulsions containing thallium. 2,628,167, Feb. 10.
Overmyer, Jay C.: *See*—
Giffen, James W., and Overmyer.
Overstrom, Conrad: *See*—
Overstrom, George, C., and G. A.
Overstrom, George, Alhambra, C. Overstrom, Altadena, and G. A. Overstrom, Alhambra, Calif. Vibrating screen. 2,651,419, Sept. 8.
Overstrom, Gustave A.: *See*—
Overstrom, George, C., and G. A.
Overton, Hugh T., assignee: *See*—
Lindsay, Luther J.
Ovregaard, Kenneth S.: *See*—
Brockman, Earl H., Allison, Maxwell, Ovregaard, and Stevenson.
Ovshinsky, Stanford, assignor to The Stanford Roberts Manufacturing Company, Akron, Ohio. Retractable bar feeding machine. 2,656,588, Oct. 27.
Ovtschinnikoff, Alexandre, Villeparisis, France. Apparatus for determining external pressure and elevations. 2,646,382, July 28.
Owen, Ben F., Omaha, Nebr. Front apron construction for carry-type earth scoop. 2,655,741, Oct. 20.
Owen, George W., Columbia, S. C. Truck loading device. 2,648,451, Aug. 11.
Owen, Haddon S., assignor to Dennison Manufacturing Company, Framingham, Mass. Garment tag and method of and apparatus for applying same. 2,646,635, July 28.
Owen, Harold R., Playa Del Rey, and R. Brown, Fall Brook, assignors to Electrical Products Corporation, Los Angeles, Calif. Sign structure. 2,648,925, Aug. 18.
Owen, James R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrogenation. 2,664,451, Dec. 29.
Owen, John C., Palisades Park, and A. M. MacCallum, Maywood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic steering system. 2,636,698, Apr. 28.
Owen, John J., and R. W. Feil, Charlottesville, Va., assignors to Institute of Textile Technology. Cloth inspection apparatus. 2,626,535, Jan. 27.
Owen, Raymond S., Chicago, Ill., assignor to Waldorf Paper Products Company, St. Paul, Minn. Garment hanger. 2,635,793, Apr. 21.
Owen, Robert G., Sherman Oaks, Calif. Decorative streamer. 2,663,106, Dec. 22.
Owen, Willard B.: *See*—
Ruby, Elmo F., and Owen.
Owen, William L., Baton Rouge, La. Method maintaining micro-organisms in a viable state. 2,624,692, Jan. 6.
Owen, William L., Baton Rouge, La. Enriching sugar with a vitamin component and product derived therefrom. 2,640,778, June 2.
Owens Brush Company, assignee: *See*—
Snyder, Austin B.
Owens, Cecil R., Long Beach, Calif. Method and means of pulling pipe from a well. 2,661,063, Dec. 1.
Owens, Conrad D.: *See*—
Legg, Victor E., and Owens.
Owens-Corning Fiberglas Corporation, assignee: *See*—
Armstrong, Marshall C.
Bay, Ernest.
Biefeld, Lawrence P.
Butterfield, Charles E.
Dingledy, David P.
Essman, Harold W.
Grant, John A.
Kelley, William B.
Koch, King A.
Morrison, Albert R., and Shannon.
Philipps, Thomas E.
Russell, Robert G.
Simlson, Allen L.
Owens-Corning Fiberglas Corporation, assignee: *See*—Con.
Slayter, Games.
Slayter, Games, and Fletcher.
Stalego, Charles J.
Tiede, Ralph L., and Tooley.
Waggoner, Jack H.
Owens, Elmer H., Tarpon Springs, Fla. Safety device for hydraulic brakes. 2,625,951, Jan. 20.
Owens, Freeman H., New York, N. Y. Method and means for producing optical and other precision elements and the products thereof. 2,635,289, Apr. 21.
Owens, Freeman H., New York, N. Y. Volume control. 2,640,104, May 26.
Owens, Freeman H., New York, N. Y. Control cam and apparatus for positioning the same. 2,643,552, June 30.
Owens, Freeman H., New York, N. Y. Securing and driving means for rotatable magazine-contained spool. 2,657,869, Nov. 3.
Owens, Freeman H., New York, N. Y. Record tape magazine. 2,659,653, Nov. 17.
Owens, Freeman H., New York, N. Y. Driving and locking means for apparatus having removable magazine. 2,661,162, Dec. 1.
Owens, George E.: *See*—
Sherman, Charles G., and Owens.
Owens, Harry S.: *See*—
Miers, Jackson C., and Owens.
Owens, Harry S., J. B. Stark, and A. E. Goodban, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Separation of organic acids. 2,664,441, Dec. 29.
Owens-Illinois Glass Company, assignee: *See*—
Adams, Dan B.
Barnby, Herbert A., and Bjering.
Bjering, Olav.
Fedorchak, William J.
Griswold, Hugh T.
Gronemeyer, Erich W.
Hansen, Melvin O.
Hohl, John.
Hohl, John, and Bjering.
Hohl, John, and Pim.
Hughes, Tom R.
Labino, Dominick, and Politsch.
Miller, Ira H.
Murphy, Peter J.
Ninneman, Eric O., Webster, Hohl, and Bjering.
Offutt, George, and Briner.
Pellett, Fred G.
Politsch, Verney G.
Spalding, Richard O.
Starner, John W.
Wheaton, Jack M.
Wilske, Julius E., Benoit, and McCormick.
Wilske, Julius E., McCormick, and Politsch.
Owens, Jesse C., Los Angeles, Calif. Antisiphonic ball cock. 2,635,622, Apr. 21.
Owens, Jesse C., Los Angeles, Calif. Antisiphonic and sound-reducing valve. 2,655,172, Oct. 13.
Owens, Robert G.: *See*—
Hitchens, Aaron L., and Owens.
Owner, Frank M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Gas turbine engine with multiple turbines. 2,654,993, Oct. 13.
Oxley, Thomas A.: *See*—
Hereford, Geoffrey V. B., and Oxley.
Oxy-Dry Sprayer Corporation, assignee: *See*—
Bungay, George W.
La Brie, Laurent J., and Fenn.
Oyler, Emory C., Chambersburg, Pa. Device for estimating the board foot contents of standing trees. 2,654,153, Oct. 6.
Oyler, Max, Salmon, Idaho. Fishing tackle retriever. 2,662,328, Dec. 15.
Ozalid Company Limited, assignee: *See*—
Easter, John W.
Ozark Fisheries, Inc., assignee: *See*—
Washburn, George N.
Ozark-Mahoning Company, assignee: *See*—
White, Wayne E.
Ozdobinski, Anthony, Edwardsville, Pa. Brush construction. 2,637,061, May 5.
Ozenne, Gilbert J., Manhattan Beach, assignor to Doak Aircraft Company, Inc., Torrance, Calif. Seat with adjustable back rest. 2,662,585, Dec. 15.
Ozols, Karlis V., Brooklyn, assignor to Product Development Laboratories, Inc., New York, N. Y. Thermosensitive papers and compositions therefor. 2,637,657, May 5.
P. B. R. Manufacturing Co., assignee: *See*—
Pucci, Joseph.
P & K Incorporated, assignee: *See*—
Sharps, George J.
PM Industries, Incorporated, assignee: *See*—
Battersby, Robert B.
Pabco Products Inc., assignee: *See*—
Hoopes, Harry P.
Kaye, William A.
Pabst Brewing Company, assignee: *See*—
Jones, Lester.
Pabst, Philip F.: *See*—
Isella, John J., and Pabst.

Pabst, Richard E., San Anotnio, Tex., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,629,845, Feb. 24.
Pace, Benjamin S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Removal of iron contaminants from hydrocarbon synthesis products. 2,658,906, Nov. 10.
Pace, Waldemar E., Detroit, Mich. Apparatus for cutting gears and the like. 2,642,780, June 23.
Pace, Walter E., assignee: *See*—
Trace, Keith B.
Pácheco, William J., assignee: *See*—
Feerick, Jay.
Pachmayr, Frank A.: *See*—
Powell, Edward B., and Pachmayr.
Pachmayr, Frank A., assignee: *See*—
Harris, Ralph E.
Pachmayr, Frank A., Culver City, Calif. Latch means for telescopic gun sights. 2,639,507, May 26.
Pachmayr, Frank A., Culver City, Calif. Eccentric mount for telescopic gun sights. 2,644,237, July 7.
Paci, Beniamino M., Caracas, Venezuela. Device for drawing circles. 2,624,117, Jan. 6.
Pacific Can Company, assignee: *See*—
Bogle, Robert J., and Renard.
Renard, Roland E.
Pacific Car and Foundry Company, assignee: *See*—
Atkins, Victor K.
Chriswell, Frederick W.
Schou, Carl E.
Pacific Cast Iron Pipe & Fitting Co., assignee: *See*—
Romine, Homer L.
Pacific Clay Products, assignee: *See*—
Jewell, Howard W.
Pacific Coast Engineering Company, assignee: *See*—
Berner, Leo.
Pacific Electric Manufacturing Corp, assignee: *See*—
Umphrey, Donald M.
Pacific Flush Tank Company, assignee: *See*—
Schlenz, Harry E.
Pacific Freight Lines, assignee: *See*—
Martin, August A.
Pacific Laboratories, Inc., assignee: *See*—
Hube, Gottfried E.
Package Machinery Company, assignee: *See*—
Newell, Kenneth F.
Pacific Mills, assignee: *See*—
Bates, Arthur H., Jr., Bobo, Mullinax, and Macomson.
Croes, Arthur.
Dalton, John N., and Ploubides.
Wilkie, Robert C.
Pacific Pipe Company, assignee: *See*—
Jacobs, Mayhelt, and Dragon.
Pacific Pumping Company, assignee: *See*—
Culleton, John T.
Pacific Pumps, Inc., assignee: *See*—
Walters, Michael E.
Pacific Transducer Corporation, assignee: *See*—
Argabrite, George A.
Pacillo, Joseph C., Cicero, assignor to White Cap Company, Chicago, Ill. Pneumatic container cleaning apparatus. 2,644,188, July 7.
Pack, Herschel G., Santa Barbara, Calif. Thermoelectric generator. 2,652,503, Sept. 15.
Package Machinery Company, assignee: *See*—
Crescenzo, Francis C.
Schoppee, Lawrence W.
Packaging Materials Corp., assignee: *See*—
Brown, Paul.
Packard, Edward F., Detroit, assignor to W. E. Harrer, Southfield, Mich. Burring tool. 2,628,513, Feb. 17.
Packard, Henry S., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Tabular calculator. 2,641,406, June 9.
Packard Motor Car Company, assignee: *See*—
McDowell, Clarence M.
McFarland, Forest R.
Misch, Herbert L.
Misch, Herbert L., and Lucia.
O'Brien, James H.
Rosenlund, Iver T.
Srogi, Ladislaw G.
Taylor, Joseph C.
Tibbetts, Milton.
Vincent, Jesse G.
Ware, Marsden.
Williams, Robert M.
Williams, Robert M., and Lawter.
Williams, Robert M., and Wislicenus.
Wislicenus, George F.
Witzky, Julius E.
Packease-Servease Corp., assignee: *See*—
Barnhard, Harold J.
Packenham, Edward W.: *See*—
Westbury, Roy, Bray, and Packenham.
Packer, Donald H., Toledo, Ohio. Solenoid operated closure remover for bottles with automatic closure ejectors. 2,657,599, Nov. 3.
Packer, Gordon W., Litchfield, Mich. Playground climber. 2,648,539, Aug. 11.
Packer, Lewis C., East Longmeadow, R. H. Cross, Springfield, and G. E. Monchamp, Holyoke, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Means for testing rotors. 2,640,100, May 26.
Packie, John W., Maplewood, N. J., assignor to Standard Oil Development Company. Regenerator apparatus for fluidizable solid materials. 2,662,813, Dec. 15.
Packman, Eugene H., Kitchener, Ontario, Canada. Ventilated baby carriage hood. 2,628,862, Feb. 17.
Packwood, George H., Jr., St. Louis, Mo. Soap dispenser. 2,644,615, July 7.
Padbury, John J.: *See*—
Price, John A., Thomas, and Padbury.
Padbury, John J., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Compositions comprising an acrylonitrile polymerization product and a dioxanone. 2,631,989, Mar. 17.
Padbury, John J., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerizable compositions comprising acrylonitrile and a vinyl or isopropenyl amino aromatic compound and polymerization products thereof. 2,656,339, Oct. 20.
Paddock Pool Equipment Co., assignee: *See*—
Ulanovsky, Jack M.
Paden, Joseph H., Stamford, and J. S. Mackay, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of melamine from biuret. 2,658,892, Nov. 10.
Paden, William L.: *See*—
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.
Padel, William E.: *See*—
Durant, Leslie B., and Padel.
Padevco, Inc., assignee: *See*—
Wilmotte, Raymond M.
Young, Larry L., and Wilmotte.
Padgett, Grady, Beaver, Pa. Charging car. 2,646,395, July 21.
Padgitt, Frank L.: *See*—
Neher, Clarence M., Padgitt, and Weimer.
Padgitt, Frank L., Baton Rouge, La., assignor to Ethyl Corporation, New York, N. Y. Production of sodium hydroxide and hydrogen from elemented sodium. 2,660,517, Nov. 24.
Padial, Guillermo S., Caracas, Venezuela. Chain-driven differential transmission for motor vehicles. 2,631,464, Mar. 17.
Padjen, Emil M., Citrus Heights, Calif. Sash balance for double hung windows. 2,651,535, Sept. 8.
Padjen, John A.: *See*—
Thorpe, Alvia G., and Padjen.
Padjen, John A., Evanston, Wyo. Portable lamp for vehicles. 2,653,001, Sept. 22.
Padowicz, Henry N.: *See*—
Enzinger, Leonhard, and Padowicz.
Paeplow, Earl W., Chester, and M. Klachif, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Package adapter. 2,643,830, June 30.
Paffen, Fred W., Great Neck, N. Y., and E. M. Engel, Bergenfield, N. J., assignors to Celanese Corporation of America, New York, N. Y. Carton for yarn packages. 2,646,166, July 21.
Pagano, Andrea, Manton, France. Protector for trousers. 2,637,916, May 12.
Page, Alfred C., Belgrano, Buenos Aires, Argentina, assignor to Wright's Biscuits Limited, South Shields, England. Method of and means for handling biscuits. 2,656,907, Oct. 27.
Page, Ancel S.: *See*—
Johnson, Axel, and Page.
Page, Ancel S., Portland, Oreg. Shaft mounting bracket for heavy vehicles. 2,630,331, Mar. 3.
Page, Ancel S., Portland, Oreg. Means for reducing torsional strain on vehicles axles. 2,660,451, Nov. 24.
Page, Anthony J.: *See*—
Aller, Willis F., and Page.
Page, Chester H., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Army. Memory tube control device. 2,656,485, Oct. 20.
Page, Clarence, assignor to Page and Cox, Detroit, Mich. Egg-container separating device. 2,627,990, Feb. 10.
Page and Cox, assignee: *See*—
Page, Clarence.
Page Engineering Company, assignee: *See*—
Page, John W.
Page, Frederick W., Preston, and S. G. Hooker, Derby; said Page assignor to The English Electric Company Limited, London, and said Hooker assignor to Rolls-Royce Limited, Derby, England. Automatic fuel feed control system for aircraft power plants. 2,642,237, June 16.
Page, George J., and J. Harrison, assignors to The Spra-Con Company, Chicago, Ill. Apparatus for and method of painting. 2,661,310, Dec. 1.
Page, Harry C., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Flexure-sensitive electromechanical transducer device. 2,624,853, Jan. 6.
Page, Irving, New York, N. Y. Automatic gas and electric pressure cooker. Re. 23,709, Sept. 1.
Page, Irving H., Silver Spring, Md. Interference eliminating circuits. 2,626,349, Jan. 20.
Page, Irving H., Silver Spring, Md. Noise reducing radio receiver. 2,627,023, Jan. 27.

Page, James: *See*—
Rose, Alfred G., Kay, and Page.
Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Card sorting device. 2,642,066, June 16.
Page, John H., assignor to Shaw-Walker Company, Muskegon, Mich. Tightening apparatus for typewriter mountings. 2,653,067, Sept. 22.
Page, John S., Long Beach, Calif. Flow controlling device. 2,625,172, Jan. 13.
Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Combined tubing drain and jar. 2,647,540, Aug. 4.
Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Anchor for well equipment. 2,658,459, Nov. 10.
Page, John W., Chicago, Ill., assignor to Page Engineering Company. Dragline bucket and boom control. 2,633,649, Apr. 7.
Page, Ralph E.: *See*—
Beattie, Horace S., Page, and Rabenda.
Page, Raymond D., Litchfield, Ill. Hand lever assembly. 2,631,473, Mar. 17.
Page, Richard S., Manchester, England, assignor to General Electric Company. Magnetic electron lens. 2,637,000, Apr. 28.
Page, Richard S., Stretford, Manchester, England, assignor to General Electric Company. Focusing aid for electron microscopes. 2,661,427, Dec. 1.
Page, Robert G.: *See*—
Rowe, Raymond N., and Page.
Page, Robert G., New Britain, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,631,208, Mar. 10.
Page, Robert G., New Britain, Conn., assignor to General Electric Company. Thermal element for switch mechanisms. 2,657,292, Oct. 27.
Page, Robert M., Camp Springs, Md. Oscillograph sweep system. 2,664,522, Dec. 29.
Page, Robert M., Washington, D. C. Radio echo apparatus. 2,627,070, Jan. 27.
Page, Robert M., Washington, D. C. Instrument for measuring the ratio of pulse width to pulse recurrence period of recurrent pulse signals. 2,628,348, Feb. 10.
Page, Robert M., Washington, D. C. Radio frequency energy range and direction finder. 2,628,350, Feb. 10.
Page, Robert M., Washington, D. C. Position indicating apparatus. 2,629,866, Feb. 24.
Page, Robert M., Washington, D. C. Radio echo ranging apparatus. 2,660,721, Nov. 24.
Page Oil Tools Inc., assignee: *See*—
Page, John S.
Pagell, Alfred H., Brockton, Mass. Festoon drier. 2,641,469, June 9.
Pagelkopf, William H., Chaska, Minn. Folding toboggan. 2,627,422, Feb. 3.
Pagendarm, Edward J.: *See*—
Baker, Thomas R., and Pagendarm.
Pagendarm, Edward J., San Mateo, Calif., assignor to Bemiss-Jason Company. Feeder for carton blanks. 2,646,983, July 28.
Pagendarm, Richard V.: *See*—
Gill, John B., and Pagendarm.
Pages, André P.: *See*—
Ville, Jean A., Pages, and Herreng.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Rectification column. 2,633,717, Apr. 7.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Pilot controlled reversing valve mechanism. 2,638,923, May 19.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Apparatus for providing variable quantities of compressed fluids. 2,648,488, Aug. 11.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Compressor. 2,650,018, Aug. 25.
Paget, Win W., Mountain Brook, Ala., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Fluid pump. 2,660,365, Nov. 24.
Pagon, Garrett D., Ambler, assignor to The Budd Company, Philadelphia, Pa. Sleeping berth support. 2,657,400, Nov. 3.
Pahl, Raymond F.: *See*—
Mitchell, Robert D., Pahl, and Hunter.
Paige, Richard E., New York, N. Y. Expansible carton and detachable cover. 2,663,487, Dec. 22.
Paige, Richard E., New York, N. Y. Tubular container for articles of merchandise. 2,663,489, Dec. 22.
Paige, Richard E., and M. Rafaat, New York, N. Y.; said Rafaat assignor to said Paige. Combination shipping carton and floor stand. 2,659,483, Nov. 17.
Paige, Walter G., Norwalk, Conn., assignor to Remington Rand Inc., New York, N. Y. Electromechanical record sensing device. 2,636,676, Apr. 28.
Paillard S. A., assignee: *See*—
Favre, Jules.
Paille, Eugene, assignor to Thermac Company, Los Angeles, Calif. Safety valve device. 2,636,505, Apr. 28.
Paillet, Robert, Paris, assignor to Société Anonyme dite: Societe des Piles Wonder, Saint-Ouen (Seine), France. Flat cell electric battery. 2,663,750, Dec. 22.
Paine, Louis A., West Lafayette, and W. J. Dorsam, assignors to Duncan Electric Manufacturing Company, Lafayette, Ind. Indicator mounting. 2,628,114, Feb. 10.
Paine, Robert C., assignor to Measurements Corporation, Boonton, N. J. Pulse width measurement. 2,627,546, Feb. 3.
Painter, Ernest O., Freedom, Pa. Reaction propulsion engine. 2,636,343, Apr. 28.
Painter, Francis R., assignor to Corning Glass Works, Corning, N. Y. Realigning method and apparatus. 2,637,943, May 12.
Paintner, Jacob: *See*—
Gannon, John P., Paintner, and Schnitzer.
Painton & Company, Limited, assignee: *See*—
Kerridge, Frank E., Belham, and Pearce.
Paist, Walter D., Berkley Heights, and N. Van Gorder, Scotch Plains, N. J., assignors to Celanese Corporation of America, New York, N. Y. Flameproofing process. 2,662,834, Dec. 15.
Pajak, Theodore P., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Metal molding bag. 2,636,539, Apr. 28.
Pajes, Wolf S., New York, N. Y., Method and apparatus for indicating the movement of material. 2,640,936, June 2.
Pakco Company, assignee: *See*—
Lerza, Francis F., and Knox.
Pakkala, Matti H., and F. J. Phillips, Pittsburgh, Pa., assignors to United States Steel Corporation. Cleaning and descaling ferrous articles and a bath therefor. 2,641,559, June 9.
Pako Corporation, assignee: *See*—
Sardeson, Robert, Braden, and Lee.
Sardeson, Robert, and Dye.
Pak-Rapid, Inc., assignee: *See*—
Lewis, Harold P.
Pakswer, Serge, Elmhurst, Ill., assignor to The Rauland Corporation. Color television tube. 2,635,203, Apr. 14.
Pakswer, Serge, Elmhurst, and P. C. Intiso, Chicago, Ill., assignors to The Rauland Corporation. Filming luminescent screen. 2,650,884, Sept. 1.
Palatine Dyeing Company, Inc., assignee: *See*—
Peck, Henry E.
Palazzolo, Rosario, Bronx, N. Y. Attachment for automobiles. 2,628,812, Feb. 17.
Palazzolo, Vincent, St. Louis, Mo. Automatic individual butter server. 2,663,932, Dec. 29.
Palcer, Joseph A., assignor to Henry Valve Company, Incorporated, Chicago, Ill. Y-type strainer. 2,657,805, Nov. 3.
Palchik, Edward H.: *See*—
Mekler, Valentine, Bogart, Schauble, and Palchik.
Palico, Inc., assignee: *See*—
Jockers, Harry W.
Palin, Abraham, New York, N. Y. Stamp layout device. 2,646,626, July 28.
Palitti, Ruth N., San Francisco, Calif. Curl holder. 2,663,302, Dec. 22.
Palko, Andrew J., and W. E. Shively, assignors to Wingfoot Corporation, Akron, Ohio. Tire. 2,642,914, June 23.
Palkovic, Nicholas J.: *See*—
Bechman, William O., and Palkovic.
Palkowski, Constante S., Huntington Park, Calif. Boring machine. 2,633,165, Mar. 31.
Pall, Francis A., assignor of one-half to I. M. Pall, San Diego, Calif. Saw with a concaved leading chisel edge and planar offset side surface on each tooth. 2,648,360, Aug. 11.
Pall, Isabelle M., assignee: *See*—
Pall, Francis A.
Pallet Devices, Inc., assignee: *See*—
Budd, Larry J.
Pallos, John L., Gary, Ind. Cuff rule. 2,644,236, July 7.
Palm, George H., assignor to Illinois Stamping & Mfg. Co., Chicago, Ill. Foam producing attachment. 2,651,546, Sept. 8.
Palmateer, Russell E., Emporium, Pa., assignor to Sylvania Electric Products Inc. Electroplioretic borating of copper wire. 2,640,024, May 26.
Palmatier, Clifford C., and F. L. Wehren, Bozeman, Mont. Necktie finisher. 2,647,664, Aug. 4.
Palme, Karl B., Stockholm, assignor to Aktiebolaget Bofors, Bofors, Sweden. Arrangement working with alternating current for equal angled and remote directed torsional adjustment. 2,632,137, Mar. 17.
Palmer, Andrew, Quakertown, Pa. Building block handling crane. 2,650,718, Sept. 1.
Palmer, Arthur E., Hartford, Conn., assignor to Wurton Machine Company, Philadelphia, Pa. Apparatus for stringing tobacco leaves. 2,649,977, Aug. 25.
Palmer-Bee Company, assignee: *See*—
Kew, George R.
Palmer, Cecil H., Phoenix, Ariz. Ditch forming and lining implement. 2,645,091, July 14.
Palmer, Charles E., Erie, Pa. Gate valve and valve operating mechanism therefor. 2,626,774, Jan. 27.
Palmer, Charles M.: *See*—
Michnoff, David N., and Palmer.
Palmer, Clarence P., Fargo, N. Dak. Land conditioning machine. 2,630,051, Mar. 3.
Palmer, Dale A.: *See*—
Whisler, Ralph H., Jr., and Palmer.

Palmer, Dale A., assignor to Patent Development Company, Monroe, Mich. Piston assembly for shock absorbers. 2,648,405, Aug. 11.

Palmer Electric & Manufacturing Co., The, assignee: *See*—
Coveney, James W.

Palmer, Frederick E., Westmount, Quebec, Canada. Rotary joint. 2,631,048, Mar. 10.

Palmer, George H., Fanwood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Contacting gases and solids. 2,649,358, Aug. 18.

Palmer, George H., Fanwood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of fatty acid concentrates. 2,654,768, Oct. 6.

Palmer, George H., Fanwood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Refining fatty oils. 2,658,907, Nov. 10.

Palmer, George J., Long Beach, Calif. Discharge device for can assorting machines. 2,663,420, Dec. 22.

Palmer, Harry A., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Apparatus for forming rims. 2,649,886, Aug. 25.

Palmer, Henry F., Akron, Ohio. Tire construction. 2,640,523, June 2.

Palmer, Herman D.: *See*—
Heidner, Richard C., and Palmer.

Palmer, Jewell S., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Method and apparatus for preventing coke formation in distillation towers. 2,626,894, Jan. 27.

Palmer, Jewell S., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for conducting conversion operations. 2,631,089, Mar. 10.

Palmer, Jewell S., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalytic conversion apparatus. 2,631,090, Mar. 10.

Palmer, John H., Milford, Conn., assignor to General Electric Company. Automatic washing machine control. 2,638,766, May 19.

Palmer, John S., Evansville, Ind., assignor to International Harvester Company. Floating inner pan for refrigerator cabinet doors. 2,629,141, Feb. 24.

Palmer, John S., Evansville, Ind., assignor to International Harvester Company. Breaker strip construction. 2,644,605, July 7.

Palmer, Joseph J., Arcadia, Calif. Spanner type strainer wrench. 2,659,256, Nov. 17.

Palmer Manufacturing Corp., assignee: *See*—
Palmer, Oscar C.
Palmer, Oscar C., and Schmoll.

Palmer, Martin H., El Portal, Calif. Water bag carrier. 2,628,750, Feb. 17.

Palmer, Mervyn W.: *See*—
Lightburn, Robert A., and Palmer.

Palmer, Oscar C., assignor to Palmer Manufacturing Corp., Phoenix, Ariz. Blower casing. 2,631,776, Mar. 17.

Palmer, Oscar C., and W. J. Schmoll, assignors to Palmer Manufacturing Corp., Phoenix, Ariz. Gas burner and port-forming grid. 2,628,675, Feb. 17.

Palmer, Paul A.: *See*—
Plesset, Ernst H., Elswick, and Palmer.

Palmer, Ralph F., Montclair, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stand for dress forms and the like. 2,644,620, July 7.

Palmer, Ralph L., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Pluggable support for electron tube and circuit. 2,637,763, May 5.

Palmer, Ralph L., Poughkeepsie, J. E. Fernekees, Wappingers Falls, J. A. Haddad, Fishkill, B. E. Phelps, Wappingers Falls, and J. V. Williams, Jr., Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Electronic calculator. 2,658,681, Nov. 10.

Palmer, Raymond C., Chicago, Ill. Attachment for lathes. 2,639,643, May 26.

Palmer, Raymond J.: *See*—
Montero, Bruno, and Palmer.

Palmer, Richard C.: *See*—
Talamini, Arthur J., Jr., and Palmer.

Palmer, Richard W., Whittier, Calif. Spring winder. 2,631,639, Mar. 17.

Palmer, Rush B., Quincy, Fla. Ball and socket coupling. 2,634,987, Apr. 14.

Palmer, Vernon J., and J. S. Judell, assignors to Bruner Corporation, Milwaukee, Wis. Valve for water conditioning devices. 2,663,314, Dec. 22.

Palmer, William E., Downers Grove, Ill. Dock bridge. 2,626,411, Jan. 27.

Palmer, William J., Portland, Oreg. Tool for straightening sheet metal such as in vehicle bodies and the like. 2,646,706, July 28.

Palmer, Winslow, West Hempstead, assignor to The Sperry Corporation, Great Neck, N. Y. Synchronizer. 2,636,988, Apr. 28.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Angular motion detector and position indicator. 2,651,771, Sept. 8.

Palmer, Winslow, West Hempstead, N. Y., assignor to The Sperry Corporation. Radio distance measuring system. 2,654,884, Oct. 6.

Palmgren, Allan O. G.: *See*—
Bergvall, Knut L., Dahlberg, and Palmgren.

Palmgren, Nils A., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Roller bearing. 2,642,322, June 16.

Palmgren, Per G., Philadelphia, and A. S. Murray, Morristown, assignor to SKF Industries, Inc., Philadelphia, Pa. Multirow cylindrical roller bearing. 2,652,296, Sept. 15.

Palmgren, Per G., Philadelphia, and J. L. Brusca, Cheltenham, assignors to SKF Industries, Inc., Philadelphia, Pa. Multirow cylindrical roller bearing with removable inner assembly. 2,664,324, Dec. 29.

Palmieri, José A., Cordoba, Argentina. Wire spring clip. 2,627,095, Feb. 3.

Palmquist, Gustav A.: *See*—
Johnson, Richard S., and Palmquist.

Palmquist, Philip V.: *See*—
Douglas, Donald J., Palmquist, and Grove.

Palnut Company, The, assignee: *See*—
Sislik, Ivan.

Palo, Maurice, and A. L. Dvorsky, assignor to The Astatic Corporation, Conneaut, Ohio. Pickup cartridge and tone arm assembly for phonographs. 2,653,191, Sept. 22.

Palsgrove, Maurice W.: *See*—
Palsgrove, Merlin E. and M. W.

Palsgrove, Merlin E., Columbus, and M. W. Palsgrove, Canal Winchester, Ohio. Tiltable dump bed construction for wagons and trailer vehicles. 2,628,127, Feb. 10.

Palsson, Lennart P., Karlskoga, assignor to Aktiebolaget Bofors, Bofors, Sweden. Servo mechanism. 2,655,133, Oct. 13.

Paluck, Alexander E., Belfield, N. Dak. Tool rack. 2,639,815, May 26.

Paluev, Konstantin K., Pittsfield, Mass., assignor to General Electric Company. Bushing pocket with oil ports. 2,647,939, Aug. 4.

Palumbo, Henry J., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Clutch facing and manufacture. 2,648,618, Aug. 11.

Palumbo, Vincent E., Cleveland Heights, Ohio. Bearing for shafts or spindles equipped with radially spaced overhanging races. 2,635,018, Apr. 14.

Pan, Wen Y., Merchantville, N. J., assignor to Radio Corporation of America. Phase inverter circuits. 2,626,321, Jan. 20.

Pan, Wen Y., Collingswood, N. J., assignor to Radio Corporation of America. Ultrahigh-frequency converter. 2,653,228, Sept. 22.

Panagrossi, Ahmed, Hamden, assignor to The Connecticut Hard Rubber Company, New Haven, Conn. Making fin stiffeners for engine cylinders. 2,641,024, June 9.

Pan American Refining Corporation, assignee: *See*—
Lee, Robert J., and May.
Scofield, Raymond C., and Krahé.
Wadsworth, Francis T.

Panas, Aline: *See*—
Lengyel, Aline.

Pancake, Herman H., Glen Rock, N. J., assignor to American Car and Foundry Company, New York, N. Y. Double-action door closing device. 2,640,610, June 2.

Panellit, Inc., assignee: *See*—
Sperry, Albert F.

Panepinto Mfg. Corp., assignee: *See*—
Catalano, Peter P., J. P., and F. P.

Panfil, Conrad J., Sr., assignor to The Heinn Company, Milwaukee, Wis. Binder follower. 2,647,518, Aug. 4.

Pangborn Corporation, assignee: *See*—
Gladfelter, Wiltie I., and Garver.
Newell, Frank.

Pangle, James R.: *See*—
Dixon, Ira W., and Pangle.

Panhandle Eastern Pipe Line Company, assignee: *See*—
Sievert, Oscar M.

Panik, Irene M.: *See*—
Sullivan, William F., and Panik.

Panik, Joseph J., Detroit, Mich. Jar cover wrench. 2,630,031, Mar. 3.

Pankonin, William G., Chicago, Ill. Staple remover. 2,624,545, Jan. 6.

Pankonin, William G., Chicago, Ill. Stapling machine. 2,658,197, Nov. 10.

Pankove, Jacques I.: *See*—
Pantchechnikoff, Jacques I.

Pankratz, Howard J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Swab for tapered casing or tubing. 2,650,546, Sept. 1.

Pankuch, William J., and W. S. Gleeson, assignors to Thompson Products, Inc., Cleveland, Ohio. Temperature control of engine cooling. 2,638,881, May 19.

Panlener, Richard J., assignee: *See*—
O'Flaherty, Vincent M.

Pannier Bros. Stamp Company, assignee: *See*—
Pannier, Ralph A.

Pannier, Ralph A., Pittsburgh, Pa., assignor to Pannier Bros. Stamp Company. Die holder for pneumatic marking hammers and the like. 2,627,803, Feb. 10.

Panocular Corporation, assignee: *See*—
Herschede, Richard L., Gates, and Herschede.

Panoramic Laboratories, assignee: *See*—
Hurvitz, Hyman.
Tongue, Ben H.
Wallace, Marcel.

Panske, Sylvester, Neenah, Wis. Square assembly holder. 2,655,729, Oct. 20.

Pantchechnikoff, Jacques I., Princeton, N. J., assignor to Radio Corporation of America. Photocell amplifier construction. 2,629,802, Feb. 24.

Pantchechnikoff, Jacques I., Princeton, N. J., assignor to Radio Corporation of America. High gain semiconductor amplifier. 2,634,323, Apr. 7.

Pantchechnikoff, Jacques I., Princeton, N. J., assignor to Radio Corporation of America. Line-contact transistor. 2,641,638, June 9.

Pantchechnikoff, Jacques I., Princeton, N. J., assignor to Radio Corporation of America. Semiconductor photosensitive device. 2,650,258, Aug. 25.

Pantchechnikoff, Jacques I., Princeton, N. J., now by change of name J. I. Pankove, assignor to Radio Corporation of America. Semiconductor amplifier and rectifier. 2,662,976, Dec. 15.

Panter, Carl, assignor to Haughton Elevator Company, Toledo, Ohio. Escalator handrail drive. 2,632,550, Mar. 24.

Panucci, J. J., assignee: *See*—
Shadrick, Richard H.

Panzarella, Nicholas: *See*—
Genco, Frank C., Edmunds, and Panzarella.

Paoli, Stephen A., Rockford, Ill. Seasoning dispenser. 2,647,681, Aug. 4.

Paoli, Stephen A., Rockford, Ill. Shrimp cleaning implement. 2,648,094, Aug. 11.

Papa, Domenick: *See*—
Schwenk, Erwin, and Papa.
Sperber, Nathan, Papa, and Schwenk.

Papa, Domenick, Brooklyn, N. Sperber, Bronx, and F. Villani, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Substituted ethylenediamine derivatives. 2,654,758, Oct. 6.

Papadakos, Nicholas J., Brooklyn, assignor to Gyrodyne Company of America, Inc., New York, N. Y. Helicopter rotor control system. 2,629,567, Feb. 24.

Papalexis, Christopher G., assignee: *See*—
Elliott, Irwin.

Papalexis, Gregory C., assignee: *See*—
Elliott, Irwin.

Paparazzo, Louis, Waterbury, and A. A. Bernartz, West Cheshire, Conn.; said Paparazzo assignor to said Bernartz. Automatic poultry feed dispenser. 2,659,346, Nov. 17.

Paparelli, Joseph A., assignee: *See*—
Hirszson, Beniamin.

Pape, Harry E.: *See*—
Lowe, William B., and Pape.

Papec Machine Company, assignee: *See*—
Van Sickle, Kenneth J.

Papendick, Clarence A., Normandy, Mo. Cube cutting machine and cutter therefor. 2,646,832, July 28.

Paper Art Company, Inc., assignee: *See*—
Buechek, John.

Papermaster, Roy L., Beverly Hills, Calif. Thermometer case with means for swinging the same. 2,639,614, May 26.

Paper Patents Company, assignee: *See*—
Grangaard, Donald H.
Grishaber, Ralph V.
Sabee, Reinhardt N.
Zabel, Lowell W., Schmidt, and Caston.

Paper Strap, Inc., assignee: *See*—
Grant, Frank A.

Papesch, Viktor, Morton Grove, and E. F. Schroeder, assignors to G. D. Searle & Co., Chicago, Ill. Disubstituted derivatives of 6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. 2,650,922, Sept. 1.

Papesch, Viktor, Morton Grove, assignor to G. D. Searle & Co., Chicago, Ill. 1-alkenyl-5-alkyl-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones and derivatives thereof. 2,650,923, Sept. 1.

Papesch, Viktor, Morton Grove, assignor to G. D. Searle & Co., Chicago, Ill. Disubstituted derivatives of 2-thio-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. 2,650,924, Sept. 1.

Papineau-Couture, Gilles: *See*—
Glen, William L., Myers, and Papineau-Couture.

Pappas, Theodore, and J. A. Charette, Detroit, assignors to P. Harrison, Wayne County, Mich. Artificial fishing plug and lure also means and method for making. 2,639,743, May 26.

Pappenfus, Ernest W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Recognizer circuit. 2,659,879, Nov. 17.

Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Hydraulic lock for adjustable chair backs. 2,630,887, Mar. 10.

Paradis, Joseph R.: *See*—
Ajam, Mustafa J., Paradis, and Bergman.

Paradise, Francis C., Fox Lake, assignor to Stewart-Warner Corporation, Chicago, Ill. Adjustable stroke lubricant dispensing valve. 2,643,678, June 30.

Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Baling press plunger with disconnectible knife. 2,630,063, Mar. 3.

Paradise, Louis A., assignor to Deere & Compa
Ill. Multirow crop harvester. 2,649,677,

Paradise, Louis A., assignor to Deere & Compa
Ill. Multirow cotton harvester. 2,660,852,

Paragon Gear Works, Inc., assignee: *See*—
Richardson, Paul H.

Paragon Revolute Corporation, assignee: *See*—
Morrison, David.
Wilde, Frederick G.

Paramount Mining and Milling Company, assig
Fisher, Robert P., and Walling.

Paramount Pictures Corporation, assignee: *S*
Dressler, Robert, and Chesnes.
Stancliff, Gilbert L., Jr., and Jennings.

Paramount Textile Machinery Co., assignee: *S*
Albertson, Walter H., and Mittelstadt.

Pardoe, Norman H., Lusby, Md., assignor to
Donald, Malden, Mass. Invalid bed with
ated sections. 2,632,898, Mar. 31.

Paré, Victor T., Westmont, N. J., assignor to
poration of America. Molding cushion.
Feb. 10.

Parham, Grover C., Dalton, Ga., assignor
Williams, Incorporated, Laconia, N. H. Cl
ting machine having a latch lifter and oper
2,639,596, May 26.

Parl, Jack M., Ardsley, N. Y. Garment clasp.
June 2.

Parilla, Arthur R., Dearborn, Mich., and A. H
York, N. Y. Variable displacement fluid
2,633,802, Apr. 7.

Paris, I. Richard, assignee: *See*—
Wied, Carl A.

Paris, Robert E., Poughkeepsie, J. H. Bakelaar
ton, and E. F. Comstock, Main, assignors
tional Business Machines Corporation, New
Inking ribbon mechanism. 2,634,063, Apr.

Parish, Christian O., Rock Island, and H.
Carbon Cliff, Ill., assignors to International
Company. Insulated inductor block for
metals. 2,625,644, Jan. 13.

Parish, Willard E.: *See*—
Bush, Harold L., and Parish.

Parish, Willard E., assignor to Crouse-Hinds
Syracuse, N. Y. Interlock switch and
2,645,687, July 14.

Parisi, Jules T., Chicago, Ill. Level indicator
air pressure. 2,640,977, June 2.

Parisoe, Wilbert, Evanston, assignor to Consoli
tric Company, Chicago, Ill. Direct curren
2,631,198, Mar. 10.

Park, Arthur D.: *See*—
Scott, Wylmer L., Park, and Baldwin.

Park, Glenn S.: *See*—
Duis, Glenn A., and Park.

Park, Harold F., East Longmeadow, Mass.,
Monsanto Chemical Company, St. Louis, Mo
ization of vinyl chloride in an aqueous
2,624,724, Jan. 6.

Park, Harold F., East Longmeadow, Mass.,
Monsanto Chemical Company, St. Louis, Mo.
polymerization process. 2,643,995, June 30.

Park, Harold F., East Longmeadow, Mass.,
Monsanto Chemical Company, St. Louis,
polymerization with mixture of 4,4-dihydr
peroxide and adipoyl peroxide. 2,658,057, N

Park, Harold F., East Longmeadow, Mass.,
Monsanto Chemical Company, St. Louis,
halide polymerization with adipoyl peroxide
methylene diamine. 2,659,716, Nov. 17.

Park, Harold F., East Longmeadow, Mass.,
Monsanto Chemical Company, St. Louis,
temperature polymerization of styrene.
Nov. 17.

Park, Harold F., East Longmeadow, Mass.,
Monsanto Chemical Company, St. Louis,
halide polymerization with cyclic catalyst.
Dec. 29.

Park, Joseph K., and M. R. Powers, assign
Clemson Agricultural College of South Car
son, S. C. Sweet potato digger. 2,638,727, N

Park, Ralph S., Swarthmore, Pa., assignor to A
ical & Dye Corporation, New York, N. Y.
fluorine cell. 2,624,703, Jan. 6.

Park, Robert, Cohasset, Minn. Treating
2,663,645, Dec. 22.

Park, Robert H., Pluckemin, N. J., R. Welle
Wash., A. G. Russell, Arlington, Va., and S
Hyattsville, Md. Streamline depth charge.
June 9.

Parke, Davis & Company, assignee: *See*—
Doub, Leonard.
Edgerton, William H.
Gailliot, Paul, and Robert.
Jacob, Robert M., and Robert.
Long, Loren M., and Miller.
Loomis, Eugene C.
Miller, Charles A., and Long.
Snell, Esmond E., Wittle, and Moore.
Sullivan, Marie-Jo, and Banks.

Parker, Allen J., and L. M. Murray, West
Fla. Seam ripping device. 2,660,787, Dec.

Parker Appliance Company, The, assignee: *See*—
Bashark, Nicholas.
Davies, Robert H.
Day, Clarence P.
Overbeke, John W.
Parker, Arthur L.
Resek, Robert B.

Parker, Arnold L., assignee: *See*—
Borders, Ellis C.

Parker, Arthur L., deceased, Cleveland; by H. M. Parker, executrix, Shaker Heights, assignor to The Parker Appliance Company, Cleveland, Ohio. Rotary plug valve seat. 2,628,060, Feb. 10.

Parker, Benjamin H., and E. F. Uses, Lynn, Mass., assignors to General Electric Company. Gyro caging mechanism. 2,636,389, Apr. 28.

Parker, Charles A., assignor to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Tens transfer mechanism. 2,646,928, July 28.

Parker, Charles A., assignor to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Calculating mechanism. 2,649,250, Aug. 18.

Parker, Charles A., and C. K. Rainey, assignors to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Hammer operating mechanism. 2,624,275, Jan. 6.

Parker, Charles L. Y., Crowborough, C. W. Emery, Surbiton, and T. B. Smith, Petts Wood, England, assignors to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Apparatus for making drawings. 2,658,302, Nov. 10.

Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Apparatus for handling veneer. 2,649,182, Aug. 18.

Parker, Earl E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Inhibition of gelation of polymerizable mixtures. 2,627,510, Feb. 3.

Parker, Earl E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stabilizing polyester materials with phenyl substituted catechols. 2,643,985, June 30.

Parker, Earl E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Inhibition of gelation in unsaturated polyesters with salts of amines. 2,646,416, July 21.

Parker, Earl E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheney County, Pa. Preventing premature polymerization of resinifiable mixtures with oxalic acid. 2,664,413, Dec. 29.

Parker, Edwin D., Springfield, Ohio, assignor to Parker Sweeper Company. Lawn sweeper. 2,654,106, Oct. 6.

Parker, Emery: *See*—
Mack, Gerry P., and Parker.

Parker, Eric, P. R. Wallis, and A. Woroncow, Haslemere, assignors to National Research Development Corporation, London, England. Cathode-ray tube display system. 2,648,061, Aug. 4.

Parker, Frank H., Cleveland Heights, assignor of one-half to S. C. Peplin, doing business as Lakewood Manufacturing & Engineering Co., Westlake, Ohio. Hot and cold water mixing valve. 2,644,483, July 7.

Parker, George E.: *See*—
Matteson, George A., Jr., Rainville, and Parker.
Whitehead, Willard J., and Parker.

Parker, George E., assignor to Woodward Governor Company, Rockford, Ill. Duplex speed regulator. 2,657,918, Nov. 3.

Parker, George E., assignor to Woodward Governor Company, Rockford, Ill. Vibration damping means for governor. 2,660,422, Nov. 24.

Parker Halversen Company, assignee: *See*—
Halversen, Roy A.

Parker, Harry L., St. Albans, assignor to American Speedlight Corporation, New York, N. Y. Electronic flash device. 2,655,618, Oct. 13.

Parker, Helen M., executrix: *See*—
Parker, Arthur L.

Parker, Hooker H., Arcadia, Fla. Animal feeding device. 2,636,474, Apr. 28.

Parker Industrial Products, Inc., assignee: *See*—
Hall, Jesse E.

Parker, Jack R.: *See*—
Watts, Albert E., Jr., and Parker.

Parker, John E., Great Falls, Mont. Loud speaker system. 2,632,055, Mar. 17.

Parker, John J., and L. T. Morawski, Detroit, Mich. Chuck for holding splined workpieces. 2,658,764, Nov. 10.

Parker, Joseph A., Los Angeles, Calif. Device for piercing ears. 2,642,872, June 23.

Parker, Joseph R.: *See*—
Foster, Harry B., and Parker.

Parker-Kalon Corporation, assignee: *See*—
Lovisek, Louis J.

Parker, Leland C., Elmira, N. Y., assignor to Bendix Aviation Corporation. Reciprocating electromagnetic motor. 2,631,250, Mar. 10.

Parker, Leland C., Elmira, N. Y., assignor to Bendix Aviation Corporation. Vibratory switch. 2,634,377, Apr. 7.

Parker, Leland C., Elmira, N. Y. Flavoring meat products. 2,641,544, June 9.

Parker, Leon, Burbank, assignor to The H. I. Thompson Company, Los Angeles, Calif. Forming batts of silica fibers. 2,635,390, Apr. 21.

Parker, Leon, Burbank, assignor to The H. I. Thompson Company, Los Angeles, Calif. Reinforced silica textile. 2,643,437, June 30.

Parker, Leon, Burbank, assignor to The H. I. Thompson Company, Los Angeles, Calif. Producing batts of silica fibers. 2,643,487, June 30.

Parker, Leon, Glendale, and B. J. Zack, Compton, assignors to The H. I. Thompson Company, Los Angeles, Calif. Method for forming silica fibers. 2,624,658, Jan. 6.

Parker, Lew R., Victorville, Calif. Retrieving sinker for fishing lines. 2,630,650, Mar. 10.

Parker, Loring S., Des Moines, assignor of one-half to G. W. Kauffman, Waukee, Iowa. Variable power steering gear. 2,648,233, Aug. 11.

Parker, Louis W., Little Neck, N. Y. Radio and television distribution system for hotels and apartment houses. 2,628,275, Feb. 10.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Color kinescope. 2,643,352, June 23.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Electronic color television. 2,657,331, Oct. 27.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Electronic color television. 2,660,684, Nov. 24.

Parker Machine Co., Inc., assignee: *See*—
Hammerschlag, Georg.

Parker, Melvin J., New York, and A. J. Turpin, Stewart Manor, assignors to Hauck Manufacturing Co., Brooklyn, N. Y. Temperature control system. 2,626,754, Jan. 27.

Parker, Norman W.: *See*—
Wissel, Francis A., and Parker.

Parker, Norman W., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Keyed automatic frequency control system for television receivers. 2,632,050, Mar. 17.

Parker, Norman W., Park Forest, assignor to Motorola, Inc., Chicago, Ill. Synchronization system. 2,664,463, Dec. 29.

Parker, Orval, Canoga Park, Calif. Egg weighing and grading apparatus. 2,663,422, Dec. 22.

Parker, Paul T.: *See*—
Mertzweiller, Joseph K., and Parker.

Parker, Paul T., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of octyl alcohols. 2,637,746, May 5.

Parker Pen Company, The, assignee: *See*—
Bartell, Floyd E.
Chapman, Dave.
Frentzel, Herman C.
Loofboro, Newton E.
Mohns, David F.
Randolph, Robert W.
Watrous, David G., and Doig.

Parker, Ralph D., Orange, N. J. Strap clamp. 2,631,350, Mar. 17.

Parker, Robert N., assignee: *See*—
Parker, William W.

Parker, Robert P.: *See*—
Conroy, Edward A., and Parker.

Parker, Robert P., Somerville, and R. D. Vartanian, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Veterinary therapeutic composition for the control of enterohepatitis. 2,631,963, Mar. 17.

Parker, Robert P., Somerville, and J. M. Smith, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Producing 4-amino-2-hydroxybenzoic acid. 2,644,011, June 30.

Parker, Robert P., Somerville, D. R. Seeger, Bound Brook, and E. Kuh, New Brunswick, N. J., assignors to American Cyanamid Company, New York, N. Y. Phosphoric acid derivatives and preparing the same. 2,663,705, Dec. 22.

Parker, Robert S., Dover, N. J. Resilient brush and buffer holding handle. 2,641,786, June 16.

Parker Rust Proof Company, assignee: *See*—
Baxter, John E.
Hyams, Montagu, and Nicholson.

Parker, Samuel P., assignor to Callaway Mills Company, La Grange, Ga. Loom attachment for production of fringe. 2,629,404, Feb. 24.

Parker, Samuel P., assignor to Callaway Mills Company, La Grange, Ga. Pile fabric loom. 2,638,934, May 19.

Parker, Samuel P., and R. L. Thompson, assignors to Callaway Mills Company, La Grange, Ga. Bias cutting machine. 2,644,522, July 7.

Parker, Stearns and Company, assignee: *See*—
Harrison, Marshall L., and Stearns.

Parker Sweeper Company, assignee: *See*—
Parker, Edwin D.

Parker, Sydney M., assignor to Automotive Products Company Limited, Leamington Spa, England. Throttle control device for internal-combustion engines. 2,657,776, Nov. 3.

Parker, Warde L., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Hydraulic motor and control valve. 2,631,571, Mar. 17.

Parker, Warde L., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Rotating spool servo valve. 2,664,097, Dec. 29.

Parker, William D.: *See*—
Greaves, Charles D., and Parker.

Parker, William N.: *See*—
Garner, Lloyd P., and Parker.

Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Filament structure for electron discharge device. 2,626,370, Jan. 20.

Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Electron discharge device. 2,636,141, Apr. 21.

Parker, William N., Lancaster, Pa., assignor to Radio Corporation of America. Electrical transformer. 2,655,623, Oct. 13.

Parker, William W., assignor to W. W. Parker, Jr., and R. N. Parker, Newport News, Va. Agitating apparatus for tray ice-cream freezers. 2,626,134, Jan. 20.

Parker, William W., Jr., assignee: *See*—
Parker, William W.

Parkerton, Howard F., South Gate, Calif., assignor to International Harvester Company. Bonded doffer for mechanical cotton pickers. 2,654,203, Oct. 6.

Parkes, Ralph C., Glenside, Pa. Cloth drying machine. 2,640,250, June 2.

Parkes, Ralph C., Philadelphia, Pa. Door mounting. 2,644,989, July 14.

Parkey, Catherine L., Wishram, Wash. Hair curling device. 2,655,159, Oct. 13.

Parkins, William E., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Isotope separating apparatus. 2,647,213, July 28.

Parkinson, David B., Cleveland Heights, Ohio, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Rotating-field pulse transmitter. 2,639,332, May 19.

Parkinson, Norman, Hayes, assignor to J. Ireland, Middlesex, England. Electrodeposition of tin-nickel alloy. 2,658,866, Nov. 10.

Parks, Asbury S., Houston, Tex. Pressure regulator. 2,631,606, Mar. 17.

Parks, Asbury S., Houston, Tex. Fluid pressure control device. 2,637,945, May 12.

Parks, Asbury S., Houston, Tex. Fluid pressure regulator. 2,637,946, May 12.

Parks, Asbury S., Houston, Tex. Pilot regulator. 2,637,947, May 12.

Parks, Asbury S., Houston, Tex. Valve control apparatus. 2,638,110, May 12.

Parks, Asbury S., Houston, Tex. Well packer. 2,638,168, May 12.

Parks, Asbury S., Houston, Tex. Liquid knockout apparatus. 2,638,223, May 12.

Parks, Asbury S., Houston, Tex. Liquid level control apparatus. 2,649,771, Aug. 25.

Parks-Cramer Company, assignee: *See*—
Holtzclaw, Grover B.

Parks, Dorothy E., Avalon, Calif. Syringe bag. 2,629,377, Feb. 24.

Parks, Howard: *See*—
Kludt, Jonathan, and Parks.

Parks, Nathan S., Springfield, Pa., assignor to Radio Corporation of America. Duplex radio apparatus control. 2,657,304, Oct. 27.

Parks, Paul D., Winona Lake, Ind. Costumer device and the manufacture thereof. 2,632,570, Mar. 24.

Parks, Purl O., North Liberty, Iowa. Dolly or trailer assembly. 2,639,926, May 26.

Parks, Vergil R., Sierra Madre, Calif. Shortening measure. 2,645,127, July 14.

Parks, William A., Longview, Tex., assignor to Eastman Kodak Company, Rochester, N. Y. Gas separation by adsorption and preferential desorption. 2,642,153, June 16.

Parks, Winifred E., Los Angeles, and H. W. West, Lynwood, Calif. Liquid diverting apparatus. 2,651,051, Sept. 8.

Parks & Woolson Machine Co., assignee: *See*—
Hadley, Wilfred N.

Parmelee, Alfred F., assignor to Parmelee Plastics Company, Kansas City, Mo. Hinge structure for goggles. 2,648,067, Aug. 11.

Parmelee Plastics Company, assignee: *See*—
Moeller, William C.
Parmelee, Alfred F.

Parmely, Lyle E., Columbus, Ohio. Automobile seat lock. 2,624,613, Jan. 6.

Parmentier, Robert R., Upper Darby, Pa. Sealing composition for transparentized paper. 2,646,363, July 21.

Parmentier, Robert R., Upper Darby, Pa. Transparentizing paper. 2,646,369, July 21.

Parmer, Baciel E., St. Helen, Mich. Attachment for shuffleboard game boards. 2,628,103, Feb. 10.

Parmerter, Stanley M.: *See*—
McCrossen, Fred C., Parmerter, and Weissberger.

Parmesan, Daniel J.: *See*—
Lagrange, Victor E., and Parmesan.

Parmesan, Daniel J., Houston, Tex., assignor, by mesne assignments, to Chiksan Company, Brea, Calif. Union. 2,646,996, July 28.

Parmesan, Daniel J., Houston, Tex., assignor, by mesne assignments, to Chiksan Company, Brea, Ca... which permits misalignment. 2,661,965, J...

Parnell, William S.: *See*—
Taylor, John W., Jr., and Parnell.

Parnell, William S., and J. W. Taylor, Jr., Balt... assignors, by mesne assignments, to the Un... of America as represented by the Secretary o... Two-feed "X" band antenna. 2,627,020, Ja...

Parovel, Giovanni, Sacramento, Calif. Bowlin... surfacing machine. 2,655,770, Oct. 20.

Parr, Bernard A., East Sheen, London, England... carrier for vehicles. 2,641,396, June 9.

Parr, Earl G., assignee: *See*—
Logan, Floyd J.

Parr, Harold L., assignor to Parr Instrument C... Ill. Pressure container with removabl... 2,625,296, Jan. 13.

Parr Instrument Co., assignee: *See*—
Parr, Harold L.

Parr, Robert M., South Milford, Ind. Chai... 2,627,191, Feb. 3.

Parr, Russel D.: *See*—
Kaebnick, Gustav A., Parr, and Otstot.

Parre, Edwin: *See*—
Stoner, Harry B., Parre, and Rogers.

Parrilla, John, Brooklyn, N. Y. Hair curler. ... Oct. 20.

Parris, Cecil L., assignor to Parris Mfg. Co., ... Iowa. Pistol construction. 2,649,849, Aug...

Parris Mfg. Co., assignee: *See*—
Parris, Cecil L.

Parrish, Charles I., Stow, Ohio, assignor to ... Goodrich Company, New York, N. Y. Ole... polymers and making same. 2,628,955, Feb...

Parrish, Norman C., Redondo Beach, assignor t... Aircraft, Inc., Hawthorne, Calif. Electrical ... 2,641,672, June 9.

Parrish, J Russell, assignor to Meredith Publi... pany, Des Moines, Iowa. Multicolor job or p... 2,663,254, Dec. 22.

Parrish, J Russell, assignor to Meredith ... Company, Des Moines, Iowa. Multicolor p... 2,663,255, Dec. 22.

Parrish, Tom E., Beaumont, Tex. Automa... device. 2,625,169, Jan. 13.

Parrish, Wilbur G., Chicago, Ill. Coin-control ... for vending machines. 2,628,698, Feb. 17.

Parrott, Henry W.: *See*—
Herold, Walter F., and Parrott.

Parrott, Robert D.: *See*—
Wise, Raleigh J., and Parrott.

Parry, Frank: *See*—
Van Wagener, Raymond H., Carmichael, an...

Parry, Frank, Trumbull, Conn., assignor to ... Manufacturing Company, Elizabeth, N. J. ... drive for zig-zag sewing machines. 2,662,49...

Parry, Harvey L., Berkeley, assignor to Shel... ment Company, San Francisco, Calif. Stabi... acrolein. 2,653,172, Sept. 22.

Parry, Harvey L., Berkeley, and Q. T. Wiles, ... assignors to Shell Development Company, ... Calif. Fatty acid salts of nitrogen-contai... ethers. 2,640,037, May 26.

Parry, Robert D., Cincinnati, Ohio, assignor, ... assignments, to K. J. Eckstein and E. ... Firing mechanism for pistols. 2,659,172, ...

Parry, Wallace M., Rockford, assignor to Odi... tion, Chicago, Ill. Article handling ... 2,646,870, July 28.

Parsell, Kendrick T., Manhasset, N. Y. Spec...

Parsell, Kendrick T., Manhasset, N. Y. Spec... 2,654,503, Oct. 6.

Parsons, C. A., & Company Limited, assignee: ... Bowden, Andrew T., Muller, Kolb, Hryn... Zadnick.
Bowden, Andrew T., Hayniszak, and Kolb.

Parsons, Carr H., Orangeburg, and W. J. Ru... River, assignors to American Cyanamid Com... York, N. Y. Rubber closure for pharmaceu... 2,649,090, Aug. 18.

Parsons Corporation, assignee: *See*—
Brogren, Axel V.

Parsons, Critchell, Silver Spring, Md., assign... Engineering Development Company, Inc... Screen arrangement for use in conjunction wi... drilling turbines. 2,628,819, Feb. 17.

Parsons, Ellis H., Hartsville, S. C., assignor ... Products Company. Molded plastic spool ... 2,654,542, Oct. 6.

Parsons, George B.: *See*—
Anderson, Harold G., and Parsons.

Parsons, George B., Roosevelt, assignor to Am... and Foundry Company, New York, N. Y. ... coupler. 2,630,230, Mar. 3.

Parsons, George B., Baldwin, and D. Depew, W... assignors to Fairchild Engine and Airplane ... tion, New York, N. Y. Laminating mat... resulting product. 2,642,370, June 16.

Parsons, Henry C.: *See*—
Cardiner, Duncan B., Klessig, and Parsons.

Parsons, Herbert L.: *See*—
Millson, Henry E., Parsons, and Babey.

Parsons, John B., Maumee, Ohio. Electrical switch structure. 2,625,616, Jan. 13.
Parsons, John B., Maumee, Ohio. Electromagnetic control valve device for fluid pressure systems or the like. 2,633,871, Apr. 7.
Parsons, John B., Maumee, Ohio. Electromagnetically actuated valve. 2,638,125, May 12.
Parsons, John B., Maumee, Ohio. Solenoid controlled valve unit. 2,644,121, June 30.
Parsons, John B., Maumee, Ohio. Starter motor-driven hydraulic pump. 2,645,183, July 14.
Parsons, John B., Maumee, Ohio. Rotary pump assembly. 2,650,544, Sept. 1.
Parsons, John R., Kenmore, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding apparatus. 2,640,180, May 26.
Parsons, Joseph R., Chicago, Ill., M. C. Higgs, Bell, Calif., and M. A. Loos, assignors to United States Gypsum Company, Chicago, Ill. Coating composition and fire resistant building element coated therewith. 2,640,786, June 2.
Parsons, Kenneth M., assignor to Air Control Products, Inc., Coopersville, Mich. Roof ventilator adapted for installation on slant roofs. 2,636,429, Apr. 28.
Parsons, Lloyd V., Seattle, Wash. Chimney block. 2,646,742, July 28.
Parsons and Marine Engineering Turbine Research and Development Association, The, assignee: *See*—
Brown, Thomas W. F., and Yates.
Peregrine, Edgar P.
Yates, Henry G.
Parsons, Richard H., Bloomfield Hills, Mich. Construction of interchangeable dies, punches, etc. 2,662,773, Dec. 15.
Parsons, Wharton A., Glendale, and R. E. Busch, El Monte, assignors to Clary Multiplier Corporation, San Gabriel, Calif. Calculating machine. 2,647,687, Aug. 4.
Parsons, William F., and J. N. Little, assignors to Eastman Kodak Company, Rochester, N. Y. Forming nonreflecting coating on glass. 2,649,387, Aug. 18.
Parsons, William F., and E. C. Poling, assignors to Eastman Kodak Company, Rochester, N. Y. Reticles. 2,659,665, Nov. 17.
Parsons, Zoroaster G., Seattle, Wash. Internal-combustion engine. 2,633,110, Mar. 31.
Parsson, Leroy V., assignor to The F. C. Russell Company, Cleveland, Ohio. Awning shutter. 2,629,145, Feb. 24.
Parten, Gustave A., assignor to Schutz-O'Neill Co., Minneapolis, Minn. Gas separator for grinding mills. 2,624,460, Jan. 6.
Partin, Allen G., Pontiac, Mich. Meat holding device. 2,655,191, Oct. 13.
Partington, Harold, Chadderton, England. Means for doffing ring frames. 2,653,440, Sept. 29.
Partiss, Arnold B., Bradford, assignor to Yost Manufacturing Company, Meadville, Pa. Removable faceplate for vise jaws. 2,653,499, Sept. 29.
Partlow Corporation, The, assignee: *See*—
Clark, James K.
Partridge, Lawrence R., Walnut Creek, Calif., assignor to United States Steel Corporation. Pass-line stabilizer for strip approaching a shear. 2,646,278, July 21.
Parva Products Company, assignee: *See*—
White, Paul W.
Parzen, Benjamin, assignor to International Standard Electric Corporation, New York, N. Y. Receiver tuning device. 2,629,864, Feb. 24.
Parziale, Joseph, and R. P. White, Cleveland, Ohio. Dispensing caps for bottles. 2,641,376, June 9.
Paschell, Anthon H., Des Moines, Iowa. Booth for giving tan treatments. 2,631,588, Mar. 17.
Pascoe, Walter R.: *See*—
Seymour, Raymond B., and Pascoe.
Pascucci, Julio A.: *See*—
Runge, Richard M., and Pascucci.
Pasewalk, LeRoy W., and J. F. Reimer, assignors to Invincible Metal Furniture Company, Manitowoc, Wis. Capped corner and metal top anchorage for furniture. 2,654,649, Oct. 6.
Pashak, John F.: *See*—
Leontis, Thomas E., and Pashak.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Duplex calculating machine. 2,638,271, May 12.
Pask, Joseph A., Concord, Calif., and C. M. Slack, Glen Ridge, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiseal envelope and making. 2,629,093, Feb. 17.
Paske, Wallace H., Wells, Minn., assignor to C. H. Geppert, Des Moines, Iowa. Traction means for pneumatic tired wheels. 2,644,503, July 7.
Paslay, Le Roy C.: *See*—
Poole, Foster M., Paslay, and Gaumer.
Pasold, Ingo, Toronto, Ontario, Canada. Machine for cutting strips of textile fabrics. 2,641,317, June 9.
Pasquariello, James, Paterson, N. J. Ratchet wrench. 2,633,044, Mar. 31.
Pasquesi, Battista, assignee: *See*—
Giorgi, Adelmo.
Pasquinelli, Bruno B.: *See*—
Peyrebrune, Henri E., Pasquinelli, and Sites.
Pasquinelli, Bruno B., assignor to Miehle Printing Press and Mfg. Company, Chicago, Ill. Ductor roller control. 2,626,566, Jan. 27.
Pass & Seymour, Inc., assignee: *See*—
Despard, Victor R.
Kellien, Saul, and Discenza.
Passal, Frank, Detroit, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Electrodepositing chromium directly on aluminum. 2,602,054, Dec. 8.
Passal, Frank, Detroit, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Composition, bath, and process for chromium plating. 2,640,021, May 26.
Passeri, Francesco, Buenos Aires, Argentina. Acetylene gas generator with constant pressure. 2,656,261, Oct. 20.
Passino, Herbert J.: *See*—
McGrath, Henry G., Passino, and Rubin.
Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Stabilizing soybean oil refined by solvent treatment. 2,664,431, Dec. 29.
Passino, Herbert J., Englewood, N. J., and J. M. Meyers, Rochester, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Refining wool fat. 2,649,460, Aug. 18.
Passler, Grace M., assignee: *See*—
Hon, Nancy.
Passman, Anne G., assignee: *See*—
Passman, Nathan E.
Passman, Nathan E., assignee: *See*—
Passman, Nathan E.
Passman, Nathan E., Chicago, Ill. Bracket. 2,653,002, Sept. 22.
Passman, Nathan E., assignor to N. E. Passman, and A. G. Passman, doing business as Nepo Manufacturing Co. Bracket. 2,660,391, Nov. 24.
Pasta, Tito, Los Angeles, Calif. Sugar bowl. 2,655,799, Oct. 20.
Pastor, Sheldon L.: *See*—
Moore, Robert L., and Pastor.
Pastorius, Ernest W., Windsor, Ontario, Canada. Mileage calculator. 2,661,900, Dec. 8.
Pastorius, Fritz J., San Carlos, Calif. Remotely controlled toy car. 2,639,545, May 26.
Pasturczak, Stanley F., East Moline, assignor to Deere & Company, Moline, Ill. Self-propelled harvester with automatically controlled variable-speed drive. 2,639,569, May 26.
Pasturczak, Stanley F., East Moline, assignor to Deere & Company, Moline, Ill. Helical cutting mechanism for harvesters. 2,654,208, Oct. 6.
Patai, Imre, deceased, Washington, D. C.; H. R. Bishop, administrator. Treating vitreous materials. 2,647,068, July 28.
Pataki, John: *See*—
Neumann, Francisco, Pataki, and Kaufmann.
Rosenkranz, George, Kaufman, and Pataki.
Patch, Allan W. B.: *See*—
Carter, William H., and Patch.
Patch, Arthur H., Glen Ridge, assignor to Novadel-Agene Corporation, Belleville, N. J. Dispensing-type barrel enclosure. 2,626,200, Jan. 20.
Patch, Arthur H., Glen Ridge, and G. M. Booth, Westfield, assignors to Novadel-Agene Corporation, Belleville, N. J. Barrel cooling apparatus. 2,625,804, Jan. 20.
Patch, Harry M., Seattle, Wash. Power dividing differential. 2,627,760, Feb. 10.
Patch, Harry M., Seattle, Wash. Torque proportioning differential. 2,655,053, Oct. 13.
Pate, Ira B., assignee: *See*—
Ragsdale, Jesse M.
"Patelhold" Patentverwertungs- & Elektro-Holding A.-G., assignee: *See*—
Guanella, Gustav.
Lardelli, Otto A.
Pateiski, Ray A., Manhasset, N. Y., and P. P. Regna, West New York, N. J., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Streptomycin 2-hydroxy-4-amino benzoate. 2,646,427, July 21.
Patent Button Company, The, assignee: *See*—
Purinton, Forrest G.
Patent Developers, Inc., assignee: *See*—
Knoblock, Frederick D.
Myers, Albert F.
Patent Development Company, assignee: *See*—
McIntyre, William D.
Palmer, Dale A.
Whisler, Ralph H., Jr., and Palmer.
Patent License Corporation, assignee: *See*—
Arenberg, Albert L.
Patent and Licensing Corporation, The, assignee: *See*—
Lewis, Ernest H.
Paul, Philip F., and O'Leary.
Patent Management, Incorporated, assignee: *See*—
Krueger, Conrad P.
Patent Protection Corporation, assignee: *See*—
Dusseault, John L.
Patent Scaffolding Co., Inc., The, assignee: *See*—
Meng, Victor W.
Patentes Talgo, S. A., assignee: *See*—
MacVeigh, James.
MacVeigh, James, and Heredia.

Patents, Inc., assignee: *See*—
Colquitt, Odie.
Patentverwertung W. Reimers, G. m. b. H., assignee: *See*—
Karig, Erhardt.
Pater, Paul G., assignor to Columbia Machinery and Engineering Corporation, Hamilton, Ohio. Relief device for power presses. 2,639,619, May 26.
Paterno, Joseph J., Salem, Mass. Battery connector. 2,628,262, Feb. 10.
Paterson Engineering Company, Limited, The, assignee: *See*—
Baily, Edgar W.
Paterson, George M.: *See*—
Paterson, John M. and G. M.
Paterson, John C., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of thiosemicarbazide. 2,646,447, July 21.
Paterson, John L., assignor to Willis Oil Tool Company, Long Beach, Calif. Rod rotator for deep well pumps. 2,660,893, Dec. 1.
Paterson, John M., Glendale, and G. M. Paterson, Los Angeles, Calif. Carpet anchoring strip. 2,654,909, Oct. 13.
Paterson Pacific Parchment Company, assignee: *See*—
Bennett, Clarence G.
Paterson, Robert N.: *See*—
MacBlane, James, and Paterson.
Paterson, William J., Newton Highlands, Mass., assignor to Lever Brothers Company, New York, N. Y. Nickel-alumina-silica catalysts and their preparation. 2,645,620, July 14.
Paterwic, Edward M.: *See*—
Heckman, George J., and Paterwic.
Patin, Pierre C., Paris, France. Progressive change-speed gear. 2,660,073, Nov. 24.
Patla, Louis J., Elmwood Park, Ill. Ion trap. 2,642,546, June 16.
Patnode, Homer W., Hampton Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Electrical dip meter for logging boreholes. 2,633,485, Mar. 31.
Paton, Clyde R., Bloomfield Village, assignor to Ford Motor Company, Dearborn, Mich. Torsion bar mounting. 2,631,844, Mar. 17.
Paton, Clyde R., Bloomfield Village, Mich. Articulated motor vehicle frame structure. 2,633,203, Mar. 31.
Patrick, James D.: *See*—
Jernstedt, George W., and Patrick.
Patrick, Joseph C., St. Petersburg, Fla., and H. R. Ferguson, Trenton, N. J., assignors, by mesne assignments, to Reconstruction Finance Corporation, Washington, D. C. Copolymers of polythiols, phenols, and aldehydes. 2,646,415, July 21.
Patrick, Russell L.: *See*—
Schlenk, Carl F., Cheeseman, and Patrick.
Patrick, Tracy M., Jr.: *See*—
Fields, Joseph E., and Patrick.
Gluesenkamp, Earl W., and Patrick.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. (Dimethoxymethyl) succinic anhydride and telomeric products. 2,628,238, Feb. 10.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Saturated carbocyclic oxoesters and their preparation. 2,647,918, Aug. 4.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Oxy-oxoesters and acids and their preparation. 2,647,919, Aug. 4.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Telomeric polycarbocyclic oxoesters. 2,647,921, Aug. 4.
Patrick, Tracy M., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Softened copolymer of butadiene and styrene. 2,658,046, Nov. 3.
Patrick, Tracy M., Jr., Dayton, and E. W. Gluesenkamp, Centerville, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing diethyl benzoylsuccinate. 2,647,917, Aug. 4.
Patrick, Tracy M., Jr., Dayton, and E. W. Gluesenkamp, Centerville, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Telomeric polyalkyl oxoesters. 2,647,920, Aug. 4.
Patrick, Walter A., Baltimore, Md. Deoxodizing water. 2,663,688, Dec. 22.
Patrina, Mildred P.: *See*—
Pavlot, Mildred.
Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,637,414, May 5.
Patrol Valve Company, The, assignee: *See*—
Vixler, Leslie F.
Patrosio, William, Jersey City, assignor to Keuffel & Esser Company, Hoboken, N. J. Adjustable bearing for surveying instruments. 2,639,199, May 19.
Patry, Jean: *See*—
De Stadelhofen, Jean M., Müller-Strobel, Patry, and Strub.
Patscheider, Walter A.: *See*—
Smith-Petersen, Nils O., Patscheider, and Lambert.
Patten, Stanley H., Parlin, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic film elements. 2,647,836, Aug. 4.
Patterson, C. J., Company, assignee: *See*—
Lewis, William R.
Patterson, Charles B.: *See*—
Johnston, James M., and Patterson.
Patterson, Clyde R., Riverside, Calif. Writing implement with yieldably supported scribing element. 2,641,226, June 9.
Patterson, Donald G., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Craze-resistant adhesive having improved storage stability. 2,634,255, Apr. 7.
Patterson, Dustin D., Darlington, Pa. Lever actuated tire bead loosening tool. 2,647,565, Aug. 4.
Patterson, Edgar W., Downey, Calif. Frangible piston ring. 2,626,193, Jan. 20.
Patterson, Edgar W., Downey, Calif. Hydraulic time compensator. 2,651,945, Sept. 15.
Patterson, Edgar W., Downey, Calif. Air compressor. 2,654,531, Oct. 6.
Patterson Foundry & Machine Co., The, assignee: *See*—
Mack, Robert B.
Patterson, Franklin G., Schenectady, N. Y., assignor to General Electric Company. Pulse echo system with time sensitivity control. 2,624,875, Jan. 6.
Patterson, Frederick L., Sharon, Pa. Adjustable die for making transformer core laminations. 2,647,575, Aug. 4.
Patterson, Herman W., Overland Park, Kans. Tying and fastening device. 2,648,879, Aug. 18.
Patterson, Howard R.: *See*—
Buttino, Albert L., and Patterson.
Patterson, Hugh T., Waynesboro, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymerization control of acrylonitrile. 2,654,731, Oct. 6.
Patterson, John W., Jr., Sacramento, Calif. Hat sizer. 2,632,175, Mar. 24.
Patterson-Kelley Co., Inc., The, assignee: *See*—
Fischer, John J., and Morgan.
Patterson, Lawrence W., Santa Ana, Calif. Display rack for bottled goods. 2,637,445, May 5.
Patterson, Louis L., Los Angeles, Calif. Path-leveling means for the wheels of wheel-mounted plows. 2,635,516, Apr. 21.
Patterson, Moos & Company, Inc., assignee: *See*—
Moos, Anthony M.
Patterson, Morehead, New York, N. Y., assignor, to American Machine & Foundry Company. Pinfall signaling mechanism. 2,646,984, July 28.
Patterson, Oliver W., Oswego, Ill., and K. H. Bowen, assignors to Nye-Wait Company, Inc., Auburn, N. Y. Rug sample display rack. 2,643,774, June 30.
Patterson, R. T., assignee: *See*—
Austin, Walter P.
Patterson, Robert, assignor to Multi Shingle Corporation, Memphis, Tenn. Insulated shingle producing machine. 2,625,978, Jan. 20.
Patterson, Robert, assignor to Multi-Shingle Corporation, Memphis, Tenn. Reversible shingle. 2,662,490, Dec. 15.
Patterson, V. C., & Associates, Inc., assignee: *See*—
Ruff, Alonzo W.
Patterson, Vivian A., Opelousas, La. Doll construction. 2,647,342, Aug. 4.
Patterson, Wallace M., Penn Wynne, Pa., assignor to Kellett Aircraft Corporation. Forming composite joint construction. 2,638,429, May 12.
Patterson, Ward S., Chappaqua, N. Y., assignor to Combustion Engineering, Inc. Burner for converting natural gas into gasoline components. 2,660,235, Nov. 24.
Patterson, Ward S., Chappaqua, and W. H. Armacost, Scarsdale, N. Y., assignors to Combustion Engineering-Superheater, Inc. Synthesis gas generator and waste heat boiler. 2,631,932, Mar. 17.
Patterson, William J.: *See*—
Darrow, Merritt I., Biddinger, and Patterson.
Patterson, William, Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Rheometer. 2,625,034, Jan. 13.
Pattilloch, Donald K., New York, N. Y., assignor to Chemlock Corporation, Springfield, Mass. Combining synthetic resins and other materials with cellulose. 2,658,828, Nov. 10.
Pattinson, Charles B., Jr.: *See*—
Brandes, Oliver L., and Pattinson.
Pattison, Grange K., Chicago, Ill. Multiple timecard. 2,657,942, Nov. 3.
Pattison, Wesley S., Bethel, and E. B. Hawthorne, Danbury, Conn., assignors to General Electric Company. Means for controlling the operation of doors or the like. 2,654,117, Oct. 6.
Patton Clay Manufacturing Co., Inc., assignee: *See*—
Petresky, John, Jr.
Patton, John W., Philadelphia, Pa., assignor to American Car and Foundry Company, New York, N. Y. Hopper seat cover. 2,642,582, June 23.
Patton, John W., Philadelphia, Pa., assignor to American Car and Foundry Company, New York, N. Y. Vibration isolator device. 2,662,720, Dec. 15.
Patton, John W., Philadelphia, Pa., and R. G. Cudini, Birmingham, Mich., said Patton assignor to American Car and Foundry Company, New York, N. Y., and said Cudini assignor to Moynahan Bronze Company, Detroit, Mich. Berth mounting structure. 2,632,183, Mar. 24.

Patton, Richard A., Pittsburgh, Pa., assignor to Texas Gulf Sulphur Company, New York, N. Y. Conversion of sulfur dioxide to sulfur with hydroquinones. 2,657,119, Oct. 27.

Patton, Winifred M., Chicago, Ill. Key lever and type bar mounting for typewriting machines. 2,661,087, Dec. 1.

Patty, Thomas A., Miami, Fla. Sheet assembling machine. 2,663,019, Dec. 22.

Pattyn, Pierre P., Detroit, Mich. Educational musical instrument. 2,651,960, Sept. 15.

Patzel, Fred W., Lincoln, Nebr. Adjustable line jig for laying brick and concrete block walls. 2,659,973, Nov. 24.

Patzer, William, assignor to C. E. Threedy, Chicago, Ill., as trustee. Slug rejector for coin selecting devices. 2,651,399, Sept. 8.

Pauget, Georges, Chaville, assignor to Societe d'Installation et d'Appareillage, Paris, France. High-pressure radial piston pump for liquids. 2,650,543, Sept. 1.

Paul, Alfred, Jr., Paul Spur, Ariz. Livestock dusting device. 2,652,810, Sept. 22.

Paul, Donald: *See*—
Rainbow, Horace S., and Paul.

Paul, Harry, Coventry, assignor to Courtaulds Limited, London, England. Antistatic textile treating composition of triethanolamine-aliphatic carboxylic acid salts. 2,628,937, Feb. 17.

Paul, Harry, and J. T. Watts, Coventry, assignors to Courtaulds Limited, London, England. Making pigmented spinning solution. 2,661,299, Dec. 1.

Paul, Herman L., Jr., New Rochelle, N. Y., assignor to Paul Valve Corporation, Essex Fells, N. J. Ball valve. 2,629,578, Feb. 24.

Paul, Herman L., Jr., New Rochelle, N. Y., assignor to Paul Valve Corporation, Essex Fells, N. J. Ball valve. 2,629,579, Feb. 24.

Paul, Joseph N., Norwalk, Conn. Signal control system. 2,657,375, Oct. 27.

Paul, Nicholas, Brooklyn, N. Y. Can stacking display device. 2,661,097, Dec. 1.

Paul, Philip F., North Hollywood, and L. O'Leary, Los Angeles, Calif., assignors to The Patent and Licensing Corporation, New York, N. Y. Shipping container. 2,657,849, Nov. 3.

Paul, Philip T., and G. A. Anderson, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Manufacture of mercapto aryl thiazoles. 2,631,153, Mar. 10.

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Load carrying auxiliary frame structure for attachment to tractors and like vehicles. 2,630,870, Mar. 10.

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Hitch mechanism for roll-over scrapers. 2,635,365, Apr. 21.

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Cotton harvester. 2,656,665, Oct. 27.

Paul Valve Corporation, assignee: *See*—
Paul, Herman L., Jr.

Paul, Walter J., Vista, Calif. Heel construction for flimsy foot coverings. 2,657,478, Nov. 3.

Paul, Wanda L., assignor of one-half to C. J. Anderson, New York, N. Y. Multifaced doll. 2,662,339, Dec. 15.

Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Liquid break circuit breaker. 2,640,897, June 2.

Paul, William W., Baltimore, Md. Oven loader and unloader. 2,634,002, Apr. 7.

Pauldine, Donald D., Elmira, N. Y. Phonograph record rack. 2,635,936, Apr. 21.

Paulette, Charles H., and J. Gunz, assignors to Infilco Incorporated, Chicago, Ill. Two-stage aerobic biological sewage treating process and system. 2,642,394, June 16.

Paulette, Leon, Appomattox, Va. Hoist attachment for tractors. 2,643,092, June 23.

Pauley, Harold R., assignee: *See*—
Stevenson, Charles B., and Hodges.

Paull, Ambrose D., and G. A. Kraatz, assignors to Wheeling Stamping Company, Wheeling, W. Va. Closure device for containers. 2,630,239, Mar. 3.

Paull, Jack C., Seattle, Wash. Combination knife wiper and range cleaner. 2,648,858, Aug. 18.

Pauls, Theron F., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Packaging explosives. 2,660,300, Nov. 24.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine with protective covering slitting means. 2,629,352, Feb. 24.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Mechanism for filling dispensing guns. 2,646,199, July 21.

Paulsen, Herman H., Flandreau, S. Dak. Fishing line agitator. 2,643,478, June 30.

Paulsen, Neal I., Minneapolis, Minn., assignor to Reynolds Metals Company, Richmond, Va. Moistureproof container. 2,658,662, Nov. 10.

Paulsen, Paul L., Bridgeport, Conn., assignor to General Electric Company. Hydraulic power unit for operating of press elements. 2,644,306, July 7.

Paulsen, Thomas G.: *See*—
Mork, George W., Marson, and Paulsen.

Paulsen, William P., Canton, S. Dak. Traction device. 2,638,140, May 12.

Paulsmeier, Fritz, Hamburg-Bergedorf, and H. Warschau, Hamburg-Fuhlsbuttel, Germany. Ball piston pump. 2,662,482, Dec. 15.

Paulson, Edward H., White Plains, N. Y. Liquid sampling device. 2,632,457, Mar. 24.

Paulson, Ernest, Chicago, Ill. Bicycle lock. 2,647,390, Aug. 4.

Paulson, Frank O., Ridgewood, N. J. Material handling machine. 2,652,695, Sept. 22.

Paulson, Ole B., Belt, Mont. Display apparatus. 2,637,131, May 5.

Paulus, Henry G., Burlington, Vt. Lavatory attachment. 2,659,901, Nov. 24.

Pauly, Jacob L.: *See*—
Seid, Bernard, Holmes, and Pauly.

Pauly, Jacob L., Hackensack, N. J., and B. B. Holmes, New York, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Injector nozzle back pressure utilization means. 2,630,817, Mar. 10.

Pausin Manufacturing Company, Inc., assignee: *See*—
Engelman, Herman C.

Pavelle Color Incorporated, assignee: *See*—
Seary, Eugene, and Salerno.

Pavitt, Harry A., Shirley, assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Powder metallurgy method of making steel cutting tools. 2,637,671, May 5.

Pavlecka, Vladimir H., Pacific Palisades, and F. Dallenbach, Inglewood, assignors to Turboelectric Corporation, Beverly Hills, Calif. Gas turbine power plant having compressor, turbine, and hollow shaft therebetween. 2,626,501, Jan. 27.

Pavlic, Albert A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Applying ink to ethylene polymer surfaces. 2,639,998, May 26.

Pavlic, Albert A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 2-(1,3,3-trimethylbutyl)-5,7,7-trimethyl octanol-1-sulfate. 2,654,772, Oct. 6.

Pavlis, Frank E., Allentown, assignor to Air Products, Incorporated, Emmaus, Pa. Pumping liquefied gases containing nitrogen. 2,661,608, Dec. 8.

Pavlot, Mildred, Pittsburgh, Pa., now by change of name M. P. Patrina. Hair curler. 2,657,693, Nov. 3.

Pavlovic, Joseph, Minneapolis, Minn. Abrading tool. 2,645,064, July 14.

Pawlak, Anthony E.: *See*—
Tillou, Richard G., and Pawlak.

Paw Paw Bait Company, assignee: *See*—
Sinclair, Clyde C.

Pax, William J., Celina, Ohio. Hog feeder. 2,653,571, Sept. 29.

Paxson, Gordon D., El Cerrito, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for determining frequency. 2,647,998, Aug. 4.

Paxson, Homer D., Salem, Ohio. Apparatus for straightening sheet metal. 2,650,637, Sept. 1.

Paxton, Claude, El Paso, Tex. Paint can brush scraper. 2,660,333, Nov. 24.

Paxton, Dewey M., Phoenix, Ariz. Impulse liquid agitator. 2,638,381, May 12.

Paxton, Dewey M., Phoenix, Ariz., assignor to Industrial Research, Inc. Pressure jet apparatus. 2,643,616, June 30.

Paxton, Gerald C., assignor to General Nailing Machine Corporation, Sanger, Calif. Packing stand assembly. 2,638,216, May 12.

Paxton, Gerald C., assignor to General Nailing Machine Corporation, Sanger, Calif. Nailing mechanism for assembled crate heads. 2,643,377, June 30.

Paxton, Gerald C., assignor to General Nailing Machine Corporation, Sanger, Calif. Cull checking system for multiple station grading or packing stands. 2,644,579, July 7.

Paxton, Gerald C., assignor to General Nailing Machine Corporation, Sanger, Calif. Mechanism for automatically feeding box ends in nailing machines. 2,649,582, Aug. 25.

Paxton, Stephen J.: *See*—
Renaud, Frank N., Jr., and Paxton.

Paxton, William J.: *See*—
Fahnoe, Harold H., and Paxton.

Payette, Joseph A., North Attleboro, assignor to Metals & Controls Corporation, Attleboro, Mass. Electrical contact. 2,624,820, Jan. 6.

Payne, Abner C., assignee: *See*—
Logan, David J.

Payne, Albert E., assignee: *See*—
Anderson, William J.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Machine for feeding fittings. 2,649,178, Aug. 18.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for bending tubing into serpentine form. 2,655,193, Oct. 13.

Payne Beverly Manufacturing Co., assignee: *See*—
Payne El Roy L.

Payne, Clarence E., San Francisco, Calif. Photographic dye solution. 2,652,343, Sept. 15.

Payne, El Roy L., assignor to Payne Beverly Manufacturing Co., Beverly Hills, Calif. Variable capacity blower. 2,649,242, Aug. 18.

Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Rotary mechanical seal. 2,645,508, July 14.

Payne, George R., Bellingham, Wash. Receptacle lid lifter with receptacle engaging means. 2,636,407, Apr. 28.

Payne, Grady L., Mickleton, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Deoiling wax. 2,658,855, Nov. 10.

Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Separating wax from wax-oil mixtures. 2,645,599, July 14.

Payne, Martin W., assignee: *See*—
Dorr, James F.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Letoff mechanism for looms. 2,635,646, Apr. 21.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. One-way clutch. 2,664,183, Dec. 29.

Payne, Ralph W., Washington, D. C., assignor to The Rail Joint Company, New York, N. Y. Insulated rail joint. 2,628,784, Feb. 17.

Payne, Robert E., Bywood, Upper Darby, Pa., assignor to The Sharples Corporation. Apparatus for analyzing the particle size distribution of a powder sample. 2,628,787, Feb. 17.

Payne, Robert E., Bywood, Upper Darby, Pa., assignor to The Sharples Corporation. Force measuring apparatus. 2,631,027, Mar. 10.

Payne, Verna L.: *See*—
Phillips, Joe, and Payne.

Payne, William, assignee: *See*—
Cruse, Joseph E.

Payne, William H., Hinsdale, Ill. Adjusting system for furnace controls. 2,657,327, Oct. 27.

Payson, Peter, New York, N. Y., and A. E. Nehrenberg, Bloomfield, N. J., assignors to Crucible Steel Company of America, New York, N. Y. Low alloy steel of high yield strength. 2,634,205, Apr. 7.

Payson, Peter, New York, and J. G. Chow, Long Island City, assignors to Crucible Steel Company of America, New York, N. Y. High strength steel for high-temperature service. 2,648,602, Aug. 11.

Payswell Products Corporation, assignee: *See*—
Drewes, Menke, Jr.

Payzant, Henry H., Seattle, Wash., assignor to Timber Structures, Inc. Continuous gluing press. 2,662,564, Dec. 15.

Pazandak, Louis A., Minneapolis, Minn. Seed sample divider. 2,627,751, Feb. 10.

Pazandak, Louis A., Minneapolis, Minn. Hand tool construction. 2,628,133, Feb. 10.

Pazandak, Louis A., Minneapolis, Minn., assignor, by mesne assignments, to The Buckeye Cotton Oil Company, Cincinnati, Ohio. Seed delinter. 2,644,986, July 14.

Pazul, Terri M.: *See*—
Pazul, Thresa.

Pazul, Thresa, now by change of name Terri Marie Pazul, Berwyn, Ill. Permanent waving device. 2,625,164, Jan. 13.

Peabody Engineering Corporation, assignee: *See*—
Clark, Edward R.
Sloan, Stephen A.
Spearing, Kenneth A.

Peach, Francis G.: *See*—
Bate, Stanley C., Peach, and Rogerson.

Peach, Russell L.: *See*—
Moses, Monte, and Peach.

Peacock, George W., Jr., assignee: *See*—
Peacock, George W., Sr.

Peacock, George W., Sr.: *See*—
Peacock, Thomas W., and G. W. Peacock, Sr.

Peacock, George W., Sr., assignor of one-fourth to G. W. Peacock, Jr., one-fourth to T. W. Peacock, and one-half to F. G. Russell, Jacksonville, Fla. Detachable root cutter. 2,642,791, June 23.

Peacock, Jesse L., assignee: *See*—
Martini, Herbert A.

Peacock, Ralph W., Fleming, assignor to Nye-Wait Company, Inc., Auburn, N. Y. Laminated pile wire for stationary wire Wilton looms. 2,638,128, May 12.

Peacock, Robert, St. Petersburg, Fla. Composite garment hanger and article holder. 2,626,713, Jan. 27.

Peacock, Robert, St. Petersburg, Fla. Garment and article hanger. 2,640,598, June 2.

Peacock, Thomas W., assignee: *See*—
Peacock, George W., Sr.

Peacock, Thomas W., and G. W. Peacock, Sr., assignors to Florida Land Clearing Equipment Company, Jacksonville, Fla. Root rake shoe. 2,625,870, Jan. 20.

Peak, Douglas A.: *See*—
Short, Wallace F., Peak, and Watkins.

Peake, Andrew E., and P. T. Kley, Primghar, Iowa. Tractor mounted windrowing attachment. 2,654,983, Oct. 13.

Peal, J. Floyd, Los Angeles, Calif. Sanitary cream dispenser. 2,655,289, Oct. 13.

Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Power drive. 2,624,895, Jan. 13.

Pear, Charles B., Jr., College Park, assign
Davies Laboratories, Inc., Riverdale, Md.
tecting system. 2,647,234, July 28.

Pearce, Albert F.: *See*—
Broadway, Leonard F., Barford, and Pearc

Pearce, Albert F., Hampton Hills, and N.
South Bend, assignors to Electric & Musical
Limited, Hayes, England. High-frequency
device having gas-tight envelopes. 2,638,5

Pearce, Frank G., Tulsa, Okla., assignor to An
chine & Foundry Company. Tobacco sheet m
making same. 2,626,612, Jan. 27.

Pearce, Frank G., assignor to Stanolind Oil an
pany, Tulsa, Okla. Recovery and purifica
soluble oxygenated compounds. 2,645,655, J

Pearce, George C., assignor to General Motors C
Dayton, Ohio. Cooking range structure.
Mar. 24.

Pearce, Graham: *See*—
Kerridge, Frank E., Belham, and Pearce.

Pearce, John H., Seattle, Wash. Log debarker a
2,642,904, June 23.

Pearce, Robert T., Moses Lake, Wash. Forc
culating heater. 2,660,161, Nov. 24.

Pearce, Walter B.: *See*—
Wohler, Stanley A., and Pearce.

Pearce, William L., Houston, Tex. Earth form
tegrating drill. 2,654,578, Oct. 6.

Pearl, David R.: *See*—
Best, Stanley G., and Pearl

Pearl, David R., West Hartford, assignor to
craft Corporation, East Hartford, Conn
minimum flow stop. 2,642,718, June 23.

Pearl, Harry A., Dayton, Ohio, and M. A. Ru
den, N. J. Thermal relay and constant
2,664,481, Dec. 29.

Pearl, Irwin A., assignor, by mesne assig
Sulphite Products Corporation, Appleton, W
(oxybenzyl)-butane derivatives. 2,644,822,

Pearl, Irwin A., assignor, by mesne assig
Sulphite Products Corporation, Appleton, W
limino ethyl ether and its salts of anhyd
2,644,830, July 7.

Pearl, Irwin A., assignor to The Institute of P
istry, Appleton, Wis. Higher alkyl 4-hydrox
benzoate and making same. 2,650,933, Sept

Pearl, Morton S., Lancaster Township, Lancas
Pa. Combination infant's swing and weigh
2,630,313, Mar. 3.

Pearlman, Bernard, Morristown, assignor to R
tors, Inc., Rockaway, N. J. Mount for react
2,639,582, May 26.

Pearlman, Bernard J.: *See*—
Seltzer, Philip, and Pearlman.

Pearlson, Wilbur H.: *See*—
La Zerte, James D., Pearlson, and Kauck
Simons, Joseph H., Brice, and Pearlson.

Pearlson, Wilbur H., White Bear Townshi
County, and L. J. Hals, assignors to Minnes
& Manufacturing Company, St. Paul, Min
carbon-azomethines. 2,643,267, June 23.

Pearlstein, Joseph, Arlington, Va. Sifting an
device. 2,639,035, May 19.

Pears, Coultas D.: *See*—
Bonar, Floyd, and Pears.

Pearsall, Luther D., Fayetteville, N. C. Dus
automatic telephone switches. 2,658,960, N

Pearsall, Ralph E., Gloucester, Mass., assignor
Shoe Machinery Corporation, Flemington, N.
for two-piece platform wrapper strips.
Aug. 11.

Pearson, Ben, Incorporated, assignee: *See*—
Bush, Dale A.

Pearson, Charles B., Huntington Park, Calif.,
Hughes Tool Company, Houston, Tex. A
brake for ammunition boosters. 2,629,287,

Pearson, Emil S.: *See*—
Stout, William H., and Pearson.

Pearson, Frank A., assignor to Eagle Signal C
Moline, Ill. Traffic signaling system and
2,624,793, Jan. 6.

Pearson, Frank G., Bryn Mawr, Pa., assignor t
Viscose Corporation, Wilmington, Del. Cop
tained from trifluorochloroethylene and
chloroethylene. 2,631,998, Mar. 17.

Pearson, Frederick H.: *See*—
Rose, Alfred G., and Pearson.

Pearson, Gerald L., Millington, N. J., assign
Telephone Laboratories, Incorporated, New
Semiconductor signal translating device.
Feb. 24.

Pearson, Gerald L., Millington, N. J., assign
Telephone Laboratories, Incorporated, New
Semiconductor magnetoresistive device.
Aug. 18.

Pearson, Harry: *See*—
Hooker, Stanley G., and Pearson.

Pearson, John M., Swarthmore, assignor to Su
pany, Philadelphia, Pa. Flowmeter. 2,624,

Pearson, John M., Swarthmore, assignor to Su
pany, Philadelphia, Pa. Borehole flowmeter.
Sept. 8.

Pearson, Norman D., Whittier, Iowa. Hydraulic truck body tilting mechanism. 2,630,929, Mar. 10.

Pearson, Paul A., Seattle, Wash., assignor to United States of America as represented by the Secretary of War. Radio direction finder. 2,659,082, Nov. 10.

Pearson, William S., assignor to Clifton Conduit Company, Inc., Baltimore, Md. Galvanizing apparatus. 2,642,834, June 23.

Pearson, William S., assignor to Clifton Conduit Company, Inc., Baltimore, Md. Burr remover. 2,654,292, Oct. 6.

Pease, C. F., Company, The, assignee: *See*—
Brunk, Harold J.
Cornwell, David R. L., and Tainl.
Taim, John.

Pease, Charles H., Canaan, Conn. Queen and drone trap. 2,644,175, July 7.

Pease, Edgar B., Phoenix, Ariz. Fish display. 2,657,927, Nov. 3.

Pease, Marshall C., Boston, Mass., assignor to the United States of America as represented by the Secretary of War. Variable-length transmission line. 2,644,140, June 30.

Pease, Marshall C., Needham, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Fluid-flow regulator. 2,637,339, May 5.

Peavy, Clarence, Miami, Fla. Barrel tile pallet. 2,636,243, Apr. 28.

Peavy, Clarence, Miami, Fla. Tile manufacturing machine. 2,641,819, June 16.

Pech, Karl H., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Shuttle valve. 2,654,564, Oct. 6.

Pecherer, Benjamin, Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Vitamin B_{12} gentisate. 2,640,827, June 2.

Pechiney Compagnie de Produits Chimiques et Electrometallurgiques, assignee: *See*—
Bolvinet, Jean H.
Frejacques, Jean L. M.
Stanko, Stefan.
Thibon, Honore J., and Mathieu.

Pechukas, Alphonse, Akron, Ohio, assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Process of producing phosphate ester. 2,624,750, Jan. 6.

Pechy, William, Belmar, N. J., assignor to American Can Company, New York, N. Y. Container reducing mechanism with continuous jaw faces. 2,658,549, Nov. 10.

Peck, Carl F., Jersey City, N. J., assignor to American Can Company, New York, N. Y. Container with raised tearing strip tongue. 2,648,459, Aug. 11.

Peck, Clifford E., Indianapolis, Ind. Laterally traversing vertical blind. 2,625,219, Jan. 13.

Peck, David B., Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Producing thin polytetrahaloethylene films. 2,642,625, June 23.

Peck, Henry E., Fairport, assignor, by mesne assignments, to Palatine Dyeing Company, Inc., St. Johnsville, N. Y. Heat-treating textile fabrics, Method and apparatus for. 2,629,162, Feb. 24.

Peck, Mildred A., Newport, Oreg. Brassière. 2,637,851, May 12.

Peck, Stow & Wilcox Company, The, assignee: *See*—
Cavanagh, William J.

Peck, Theodore H.: *See*—
McMullen, Frederick E., and Peck.

Peck, William H., Royal Oak, Mich. Power-operated, predetermined torque release hand tool. 2,632,485, Mar. 24.

Peck, William H., Royal Oak, Mich. Power-operated, predetermined torque release wrench. 2,639,636, May 26.

Peckham, Roy E., Detroit, assignor to Robin Products Company, East Detroit, Mich. Nut and lock washer assembly. 2,631,633, Mar. 17.

Peczeniuk, Dorothy: *See*—
Bisaga, Theodore, and Peczeniuk.

Pedagno, Antonio D., Brooklyn, N. Y. Self-closing and sealing container cap. 2,629,518, Feb. 24.

Peddicord, Haskell J.: *See*—
Blinka, Joseph, and Peddicord.

Peddinghaus, Paul F., assignee: *See*—
Peddinghaus, Werner, and Funke.

Peddinghaus, Werner, and E. Funke, assignors to Paul F. Peddinghaus, Gevelsberg, Germany. Bending machine. 2,661,786, Dec. 8.

Pedersen, Arthur A., Orinda, Calif. Garment hanger. 2,663,471, Dec. 22.

Pedersen, Cecil A.: *See*—
Wilhelm, Walter A., and Pedersen.

Pedersen, Charles J., Salem, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Reversible solvent-soluble derivatives of phthalocyanine pigments. 2,662,895, Dec. 15.

Pedersen, Charles J., Salem, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Reversible solvent-soluble derivative of phthalocyanine pigments. 2,662,896, Dec. 15.

Pedersen, Charles J., Salem, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Reversible solvent-soluble derivatives of phthalocyanine compounds. 2,662,897, Dec. 15.

Pedersen, Haakon O.: *See*—
Rydmark, Josef A., and Pedersen.

Pedersen, Haakon O., Philadelphia, and J. A. Rydmark, Lansdowne, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus. 2,650,017, Aug. 25.

Pedersen, Harry C., assignor to Clyde Engineering and Manufacturing Corporation, Royal Oak, Mich. Gear operated predetermined torque release wrench. 2,634,640, Apr. 14.

Pedersen, Mathias, Valley Stream, N. Y., assignor to American Machine & Foundry Company. Thread handling mechanism. 2,662,496, Dec. 15.

Pederson, Clarence E., Albuquerque, N. Mex. Universal inspection brake drum. 2,625,818, Jan. 20.

Pedley, Hilda C.: *See*—
Pedley, Howard L. and H. C., and Balluff.

Pedley, Howard L. and H. C., and C. E. Balluff, Des Plaines, Ill. Walking appliance. 2,642,074, June 16.

Pedlow, John W.: *See*—
Allen, George M., and Pedlow.

Pedranti, Eugene T., Petaluma, Calif. Motor mount. 2,633,817, Apr. 7.

Pedrick, Irenee P., Ardmore, assignor to Sellers Injector Corporation, Philadelphia, Pa. Selective type operator for multiple valve assemblies. 2,628,637, Feb. 17.

Peebles, David D., Hillsborough, and M. D. Girvin, San Anselmo, assignors to Western Condensing Company, San Francisco, Calif. Milk product and process. 2,650,879, Sept. 1.

Peebles, David D., Hillsborough, and M. D. Girvin, San Anselmo, assignors to Western Condensing Company, San Francisco, Calif. Reconstituted milk process. 2,657,142, Oct. 27.

Peebles, David D., Hillsborough, and C. P. Turner, Petaluma, assignors to Western Condensing Company, San Francisco, Calif. Centrifugal atomizer. 2,661,984, Dec. 8.

Peek, Henry L., Boston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic shock absorber. 2,629,462, Feb. 24.

Peek, Robert L., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stress-coupled core and crystal transformer. 2,636,135, Apr. 21.

Peek, Sandford C., Jr.: *See*—
Shaw, Robert E., and Peek.

Peek, Walter E.: *See*—
Aust, Robert J., and Peek.

Peel, Francis D., Greenville, N. C. Grater. 2,639,748, May 26.

Peeler, Noble E., St. Paul, Minn. Hinge guard. 2,641,792, June 16.

Peelers Company, The, assignee: *See*—
Lapeyre, Fernand S. and E. M.

Peelle Company, The, assignee: *See*—
Doeg, Paul R., and Croker.
MacKay, Richard T.

Peeples, Howard M., Kingsland, Ga. Square with two-piece handle. 2,635,342, Apr. 21.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 2,624,621, Jan. 6.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Means for electrostatically charging spray material. 2,625,590, Jan. 13.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray nozzle. 2,646,313, July 21.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray nozzle. 2,646,314, July 21.

Peer, Kenneth C., San Francisco, and L. W. Fancher, Lafayette, Calif. Aerosol generating and propelling composition and insecticide. 2,637,678, May 5.

Peerless Products, Inc., assignee: *See*—
Nachman, Jack M.

Peerless Sewing Machine Corporation, assignee: *See*—
Chinnici, Michael.

Peerless Tube Company, assignee: *See*—
Remington, Frederic, and Tartaglia.

Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Separation of powdered inactive catalysts from active catalysts. 2,631,968, Mar. 17.

Peery, Walter E., Morristown, N. J. Printing system for photocomposing machines or the like. 2,653,526, Sept. 29.

Peet, Robert B., Branford, Conn., assignor to Heyden Chemical Corporation, New York, N. Y. Crystallizing dihydrostreptomycin sulfate. 2,640,054, May 26.

Pégard, Marcel, Paris, France. Indicating device for machine tools. 2,652,804, Sept. 22.

Pegard, Marcel, Paris, France. Common control for the locking of two machine tool members. 2,662,265, Dec. 15.

Pegler, Joseph L., Beecroft, near Sydney, New South Wales, assignor to Lockair Pty. Limited, Sydney, New South Wales, Australia. Flushing cistern. 2,632,180, Mar. 24.

Péguet, Georges H., and A. Guyennon, Montpellier, France. Rotary machine adapted to operate as a pump, compressor, or motor. 2,646,756, July 28.

Pehr, Harold T., Miami Beach, Fla. Timer. 2,633,507, Mar. 31.

Peich, Majorie A.: *See*—
Ryznar, John W., and Peich.

Peickil, Vasalie L.: *See*—
Roshong, Raymond G., and Peickil.

Peiler, Karl E., West Hartford, Conn, assignor to Emhart Manufacturing Company. Glass feeding apparatus. 2,654,184, Oct. 6.

Peiler, Karl E., West Hartford, Conn., assignor to Emhart Manufacturing Company. Glass feeder refractory implement chuck. 2,654,186, Oct. 6.

Peirce, Thomas H., assignor to H. A. King, doing business as H. A. King Co., Detroit, Mich. Motor mounting. 2,642,240, June 16.

Peirce, Thomas H., assignor to H. A. King, doing business as H. A. King Company, Detroit, Mich. Floor mat for automotive vehicles. 2,650,855, Sept. 1.

Peiti, Josef, Vienna, Austria. Hand-vise. 2,662,432, Dec. 15.

Peitz, Martin F., Garden City, Kans. Flexible governor control for internal-combustion engine throttle valves. 2,639,700, May 26.

Pelaez, Manuel E., Burzaco, Argentina. Hoisting derrick adaptable to the frames of transportation vehicles. 2,659,501, Nov. 17.

Pelavin, Milton H., Brooklyn, assignor to Technicon Cardiograph Corporation, New York, N. Y. Esophageal switch for electrocardiograph apparatus. 2,647,508, Aug. 4.

Pelcin, Albert L., Maple Heights, Ohio, assignor to The Eastern Malleable Iron Company, Naugatuck, Conn. Flush type door lock. 2,642,300, June 16.

Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Control system for electric motors. 2,634,386, Apr. 7.

Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Induction motor control by electric brake. 2,636,157, Apr. 21.

Pellanda, William L., Jr., Spokane, Wash. Emplacement form. 2,657,447, Nov. 3.

Pellar, Sidney H., Wheaton, Ill. Road traffic signal. 2,627,784, Feb. 10.

Pellas, Alice M., executrix: *See*—
Pellas, Silvio F., and Kraut.

Pellas, Silvio F.: *See*—
Pellas, Silvio F., and Kraut.

Pellas, Silvio F., deceased, and M. Kraut, San Francisco, Calif; American Trust Company, A. M. Pellas, and R. L. Thomas, executors of said S. F. Pellas. Method and apparatus for clarifying and filtering liquids. 2,633,243, Mar. 31.

Pellat-Finet, Jean: *See*—
Nussberger, René, and Pellat-Finet.

Pellegrini, Domenick, Yonkers, N. Y. Splash mixer for dental castings. 2,653,361, Sept. 29.

Pellegrini, Louis C., St. Louis, Mo. Defrosting system for heat exchange devices. 2,652,697, Sept. 22.

Pellegrino, Thomas D., Garden City Park, N. Y. Signal device for motor vehicles. 2,643,309, June 23.

Peller, Henry A., assignor to The Euclid Road Machinery Co., Euclid, Ohio. Side dump vehicle with cam controlled gates. 2,636,777, Apr. 28.

Pellerin, Bruno, Shawinigan Falls, Quebec, Canada. Washing machine impeller having nonradial vanes. 2,659,226, Nov. 17.

Pellerin Milnor Corporation, assignee: *See*—
Pellerin, Willis A.

Pellerin, Willis A., assignor to Pellerin Milnor Corporation, New Orleans, La. Laundry handling receptacle. 2,658,641, Nov. 10.

Pelletier, Eugene, Detroit, Mich. Paint bucket holder. 2,645,443, July 14.

Pellett, Fred G., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Container closure. 2,646,183, July 21.

Pelliccione, Amadeu, Rio de Janeiro, Brazil. Convertible bed and armchair combination. 2,635,674, Apr. 21.

Pellier, Christian V.: *See*—
Matthysse, Irving F., and Pellier.

Pelouze Manufacturing Co., assignee: *See*—
Adams, Bruce P.

Peltier, Donald A.: *See*—
Isham, Don G., and Peltier.

Pelton, Geraldine V., Miami, Fla. Dispensing container and holder for soap containing boxes and the like. 2,649,998, Aug. 25.

Pelton Water Wheel Company, The, assignee: *See*—
Bacchi, Ray.
Rued, Fred H.
Wheeler, Byron E.

Peltz, Gordon M., Flushing, and H. Bovin, New York, N. Y., assignors to Bridgeport Brass Company, Bridgeport, Conn. Device for intermittently discharging fluid under pressure. 2,649,331, Aug. 18.

Peltz, Gordon M., Flushing, and H. Bovin, New York, N. Y., assignors to Bridgeport Brass Company, Bridgeport, Conn. Intermittent fluid discharge device. 2,653,625, Sept. 29.

Pelz, Robert W., Parma, Ohio, assignor to Ferro Corporation. Making glass enamels sulfide resistant. 2,634,195, Apr. 7.

Pelzer, Harry L., Ogden Dunes, Ind., assignor to Sinclair Refining Company, New York, N. Y. Conversion of heavy hydrocarbons. 2,662,051, Dec. 8.

Pemmerl, Michael, assignor of one-half to M. Raskin, Chatham, N. J. Multiple stage nonslip vacuum pump. 2,628,014, Feb. 10.

Pence, Richard O.: *See*—
Tinsman, Jack R., Novy, and Pence.

Pendleton, Eleanor E., St. Louis, Mo. Spectacle device. 2,648,255, Aug. 11.

Pendleton, Pyam L., Cranston, R. I., assignor to Machine Company. Apparatus for fluid trea filamentary materials. 2,624,189, Jan. 6.

Pendleton, Pyam L., Edgewood, assignor, by mesn ments, to Hampton Machine Company, Provide Apparatus for fluid treatment of strand 2,657,565, Nov. 3.

Pendleton, Pyam L., Edgewood, and E. L. Sherm Scituate, R. I., assignors to Hampton Machine Apparatus for treating strands with liquids. Apr. 14.

Penick & Ford, Ltd., Incorporated, assignee: *Se*
Kesler, Carl C.
Kesler, Carl C., and Hjermstad.

Penick, S. B., and Company, assignee: *See*—
Salkin, Ralph.

Penjay Manufacturing Company, assignee: *See*—
Kandle, Louis A.

Penker, Ernest, Queens County, assignor to Etch ucts Corporation, Long Island City, N. Y. name plates. 2,624,935, Jan. 13.

Penker, Ernest, Flushing, assignor to Etched Corporation, Long Island City, N. Y. Foldi square. 2,624,947, Jan. 13.

Penkoff, Theodore, Coplague, and L. Egoroff, Hu N. Y. Fixture for grinding thread cutting the like. 2,626,491, Jan. 27.

Penkuhn, Arno L. K.: *See*—
Grodzinski, Paul, and Penkuhn.

Penley, Ralph H., Salisbury, N. C. Envelope 2,628,465, Feb. 17.

Penn Aircraft Products, Inc., assignee: *See*—
Wolcott, Glenn W.

Penn, Constance W., executrix: *See*—
White, Clarence B.

Penn Controls, Inc., assignee: *See*—
Hottenroth, Frederick W.
King, Harold S.
Penn, Ralph S.
Wood, Wilbur W.

Penn Industrial Instrument Corporation, assigne Heinz, Winfield B.

Penn, Julius H., Dunmore, Pa., and P. R. Powe more, Md., assignors to Western Electric Incorporated, New York, N. Y. Apparatus essing cordage. 2,649,822, Aug. 25.

Penn, Ralph S., assignor to Penn Controls, Inc., Ind. Gas burner control. 2,653,768, Sept. 29.

Pennecot, Jean, Singapore, assignor to L'Air Société Anonyme pour l'Etude et l'Exploita Procédés Georges Claude. Igniting device fo cutting lances. 2,634,196, Apr. 7.

Pennekamp, Batholomeus M.: *See*—
Unk, Jacob M., Scheffer, and Pennekamp.

Pennell, Elmer V.: *See*—
Creveling, Catherine B., and Pennell.

Penner, Julius H., Minneapolis, Minn. Self-clos ment bowl. 2,632,565, Mar. 24.

Penner, Sidney M., Bronx, assignor, by mesn ments, to R. Tauber, Brooklyn, N. Y. Mac binding books. 2,638,609, May 19.

Penney, Gaylord W., Pittsburgh, Pa., and H. A. College Station, Tex., assignors to Westingho tric Corporation, East Pittsburgh, Pa. I apparatus. 2,647,214, July 28.

Pennie, Donald F.: *See*—
Olson, Harry F., and Pennie.

Pennington, James W., assignor to Inland Steel Chicago, Ill. Burner of the projected fla 2,655,986, Oct. 20.

Pennington, John T., Alexandria, Va. Reflect jector with automatic focus mechanism. Oct. 20.

Pennington, William A.: *See*—
Reed, Winston H., and Pennington.

Pennsylvania Company for Banking and Tru administrator: *See*—
Bruce, Ernest G.

Pennsylvania Crusher Company, assignee: *See*—
Keiper, Edwin H.
West, Woodrow W.

Pennsylvania Railroad Company, The, assignee:
Billstein, Arthur E. F.
Steins, Carleton K., and Keller.

Pennsylvania Research Corporation, The, assigne John, Frank T., and Cannon.

Pennsylvania Salt Manufacturing Company assignee: *See*—
Benbury, George W., and Ingham.
Blackburn, Newell F.
Carroll, James W.
Davis, James A., and Eastwood.
Earnest, William K., and Karr.
Hayward, Cyril.
La Lande, William A., Jr., and Mockrin.
Plump, Ralph E.
Plump, Ralph E., and Carroll.
Tiers, Robert H.
Walker, Harry G.
Zakhoin, Murray.

Penrose, William F., Birmingham, Mich. Electr apparatus for steering and the like. Re. 23,673,

Pent Electric Company, assignee: *See*—
Hafke, Arthur.
Pentony, Joseph, assignee: *See*—
Heath, Theodore H.
Pentz, James B., Staten Island, N. Y. Sterilizer. 2,648,108, Aug. 11.
People of the United States, dedicated to the free use of the, assignee: *See*—
Schechter, Milton S., and La Forge.
Whittier, Earle O.
Peoples First National Bank & Trust Company, assignee: *See*—
Jordan, Jacob.
Pepe, Pasquale, Everett, assignor of one-half to M. Itzkowitz, Malden, Mass. Method and apparatus for lasting open-toe shoes. 2,658,215, Nov. 10.
Peper, Henry M., and K. H. Tengstedt, Baltimore, Md. Mortar strip positioning frame. 2,642,736, June 23.
Peper, Jan: *See*—
De Gier, Johannes, and Peper.
Pepersack, Francis J., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Aircraft fuel storage system. 2,653,780, Sept. 29.
Pepin, Joseph, Chicago, Ill., assignor to F. Seech, Los Angeles, Calif. Compressible means for collapsible tubes. 2,644,613, July 7.
Peple, Gustave A., Jr., deceased, Richmond, Va.; Bank of Commerce and Trust, executor. Combustion control system. 2,659,324, Nov. 17.
Peple, Gustave A., Jr., deceased, Richmond, Va., by Bank of Commerce and Trusts, executor, Richmond, Va. Damper. 2,660,946, Dec. 1.
Peplin, Stephen C., assignee: *See*—
Parker, Frank H.
Perato, Alfred: *See*—
Naday, Georges, and Perato.
Perc-Tone Aluminum Products, Inc., assignee: *See*—
Zide, Ralph.
Percy, Kenneth H.: *See*—
Blackburn, Charles L., and Percy.
Percy, La Vern A., Kalamazoo, Mich. Floor treatment implement with vacuum cleaning mechanism. 2,663,893, Dec. 29.
Peregrine, Edgar P., Tynemouth, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Torque transmitting device. 2,659,221, Nov. 17.
Peretti, Leonard G., Chicago, Ill. Combined applicator and scalp massager and container therefor. 2,633,845, Apr. 7.
Peretti, Leonard G., Chicago, Ill. Window drapery support. 2,643,001, June 23.
Peretti, Leonard G., Chicago, Ill. Draftsman's triangle having a parallel line spacer. 2,663,939, Dec. 29.
Perfect Circle Corporation, assignee: *See*—
Duesenberg, Denny D.
Estey, Melvin E.
Jones, Cernyw F.
Myers, Robert C.
Shirk, John F.
Teetor, Macy O.
Teetor, Ralph R.
Perfect Knit Togs, Inc., assignee: *See*—
Aaronson, Harry.
Siegel, Philip G., and Stein.
Perfection Plastic Engineering Corporation, assignee: *See*—
Morgan, John L. and W. J.
Perfection Steel Body Company, The, assignee: *See*—
Kern, Karl W., Jr.
Perfection Stove Company, assignee: *See*—
Brehm, Howard E.
Cleveland, Allen E.
Resek, Marc.
Resek, Marc, and Kiefer.
Schlenk, Carl F., Cheeseman, and Patrick.
Perfex Corporation, assignee: *See*—
Deubel, Justin A.
Elmermann, Lloyd R.
Elo, Arpad.
Frost, Robert C.
Hotchkiss, Clifford, and Deubel.
Senn, Jurg A.
Perforating Guns Atlas Corporation, assignee: *See*—
Scherbatskoy, Serge A.
Perier, Lee A., Sunnyside, Wash. Plow adjustment for railway balast removing machines. 2,624,130, Jan. 6.
Périlhou, Pierre, Clamart, assignor to Office National d'Etudes et de Recherches Aeronautiques, Paris, France. Radio navigation system. 2,646,564, July 21.
Perin, Donald W.: *See*—
Richmond, Nelson R., and Perin.
Perkel, Leo, Hartford, Conn. Multiple recording of information. 2,646,292, July 21.
Perkin-Elmer Corporation, The, assignee: *See*—
Baker, James G.
Coates, Vincent J.
Liston, Max D.
Scott, Roderic M.
Perkins, Bernon G., Kirkwood, assignor to Doane Agricultural Service, Inc., St. Louis, Mo. Farm building. 2,641,988, June 16.
Perkins, Burl V., Arkansas City, Kans. Picnic box. 2,627,970, Feb. 10.
Perkins, Charles M., Kalamazoo, Mich., assignor to Fuller Manufacturing Company. Self-energizing means for interengaging synchronizer friction plates. 2,627,955, Feb. 10.
Perkins, Charles M., Kalamazoo, Mich., assignor to Fuller Manufacturing Company. Interengaging tooth structure for synchronizers. 2,627,956, Feb. 10.
Perkins, Charles M., Kalamazoo, Mich., assignor to Fuller Manufacturing Company. Shift control for auxiliary transmissions. 2,654,268, Oct. 6.
Perkins, Corles M., Rutherford, assignor to Bendix Aviation Corporation, Teterboro, N. J. Altitude sensor. 2,648,041, Aug. 4.
Perkins, Corles M., Rutherford, and A. M. MacCallum, Maywood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Compass system. 2,633,559, Mar. 31.
Perkins, De Mar B., Monticello, Utah. Jack bracket. 2,650,055, Aug. 25.
Perkins, Elmer R., assignee: *See*—
Chapman, Robert S., and Seibenhaar.
Perkins, Frank M., Long Beach, Calif. Hydraulic transmission. 2,633,806, Apr. 7.
Perkins, George S.: *See*—
Greenberg, Joseph, and Perkins.
Perkins, Gerald S.: *See*—
Mullins, William D., Jr., West, Slater, and Perkins.
Perkins, Gerald S., Azusa, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Eccentric crank linkage. 2,632,421, Mar. 24.
Perkins, Henry G.: *See*—
Zinn, Clarence A., and Perkins.
Perkins, John J., assignor to American Sterilizer Company, Erie, Pa. Sterilizing methods. 2,628,887, Feb. 17.
Perkins, John J., assignor to American Sterilizer Company, Erie, Pa. Sterile pack for individual disassembled syringes. 2,634,856, Apr. 14.
Perkins, Joseph R., Jr., Upper Montclair, N. J., and S. R. Ames, Rockland, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse producing system network. 2,656,514, Oct. 20.
Perkins, Lyman G., assignee: *See*—
Gilreath, Lafayette E.
Perkins Machine & Gear Company, assignee: *See*—
Hoelsch, Edward H.
Perkins, Rae C., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Making matrices for molding rubber printing blocks. 2,638,845, May 19.
Perkins, Robert L.: *See*—
Field, William J., and Perkins.
Perkins, Robert L., St. Paul, Minn., assignor to Engineering Research Associates, Inc., Arlington, Va. Multiple contact electrical connector. 2,636,068, Apr. 21.
Perkins, Robert W., Niles, Ohio. Paintbrush attachment. 2,662,240, Dec. 15.
Perkins, Roger A.: *See*—
Binder, William O., and Perkins.
Perkins, Roscoe, Fort Smith, Ark. Self-sealing collapsible tube. 2,643,794, June 30.
Perkins, Susie M., McPherson, Kans. No-slide scarf pin-comb set. 2,649,098, Aug. 18.
Perkins, W. B., St. Paul. assignor to H. H. Graham, Minneapolis, Minn. Coil spring compressing device. 2,652,625, Sept. 22.
Perkins, William J., Cedar Grove, N. J., assignor to Harnischfeger Corporation, Milwaukee, Wis. Truck crane. 2,638,232, May 12
Perkon, John A., assignor to Cuyahoga Industries, Cleveland, Ohio. Molding machine. 2,636,233, Apr. 28.
Perl, Martin L., and J. R. Elliott, Schenectady, N. Y., assignors to General Electric Company. Preparation of luminescent screens. 2,647,841, Aug. 4.
Perl, Richard L.: *See*—
Mayer, Charles M., Perl, and Warner.
Perl, Richard L., Galion, assignor to The Tappan Stove Company, Mansfield, Ohio. Thermostatic element. 2,635,003, Apr. 14.
Perl, Richard L., Galion, assignor to The Tappan Stove Company, Mansfield, Ohio. Thermally responsive oven burner control unit. 2,649,524, Aug. 18.
Perl, Richard L., Galion, and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Automatic ignition and control mechanism for oven burners. 2,637,386, May 5.
Perl, Richard L., Galion, and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Automatic ignition and control mechanism for oven burners. 2,637,390, May 5.
Perl, Richard L., Galion, and J. M. Hoff, assignors to The Tappan Stove Company, Mansfield, Ohio. Automatic ignition and control mechanism for oven burners. 2,637,391, May 5.
Perlin Development Corporation, assignee: *See*—
Perlin, Fred.
Perlin, Fred, Edgerton, Wis., assignor to Perlin Development Corporation, New York, N. Y. Blade and cover blind shutter for cameras. 2,633,065, Mar. 31.
Perlman, Alfred H., assignor to Fral Manufacturing Co., Chicago, Ill. Tire chain cross-link and anchor assembly. 2,637,363, May 5.

Perlman, Alfred H., assignor to Fral Manufacturing Co., Chicago, Ill. Tire chain cross-link and anchor assembly. 2,658,547, Nov. 10.
Perlman, David: *See*—
McCormack, Robert B., Langlykke, and Perlman.
Perlman, David, New Orleans, La. Automatic fluid transfer valve. 2,644,481, July 7.
Perlman, David, Princeton, and A. F. Langlykke, Highland Park, N. J., assignors, by mesne assignments, to Mathieson Chemical Corporation, Baltimore, Md. Culture of phage-sensitive *Streptomyces griseus*. 2,638,436, May 12.
Perlman, David, Princeton, and A. F. Langlykke, Highland Park, N. J., assignors to Mathieson Chemical Corporation, New York, N. Y. Producing penicillins. 2,641,567, June 9.
Perloff, John W., and L. Jacobson, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Coated calcium carbonate particles. 2,663,695, Dec. 22.
Perlow, Gilbert J., and E. R. Haberland, Washington, D. C. Electronic fluxmeter and alternating current amplifier. 2,624,778, Jan. 6.
Perlow, Gilbert J., and C. A. Schroeder, Washington, D. C. Probability scaler. 2,653,248, Sept. 22.
Perma Realty Co., assignee: *See*—
Gabriel, Gustave O.
Permacel Tape Corporation, assignee: *See*—
Bemmels, Cyrus W.
McGarry, James A.
Perma-Fit Shoulder Pad Co., Inc., assignee: *See*—
Riedler, Walter, and Mechur.
Permafuse Corp., The, assignee: *See*—
Tilden, Sydney G.
Tilden, Sydney G., Jr.
Permaline Company, The, assignee: *See*—
Gottesman, Herman.
Permanente Foundation, The, assignee: *See*—
Vrat, Ved.
Permark Company, Inc., assignee: *See*—
Irving, Albert J.
Permo, Incorporated, assignee: *See*—
Andres, Lloyd J.
Permutit Company, The, assignee: *See*—
Gilwood, Martin E.
Miller, Durando, Jr.
Pick, Eric.
Sard, Bernard A.
Pero, Josephine, executrix, assignee: *See*—
Pero, Peter J.
Pero, Peter J., deceased, Jersey City, N. J.; J. and P. P. Pero, executors, assignors to J. Pero, Jersey City, N. J. Fish lure. 2,660,827, Dec. 1.
Pero, Peter P., executor: *See*—
Pero, Peter J.
Perrault, Ainslie, assignor to J. L. Culbertson, Tulsa, Okla. Pipe line strainer. 2,652,153, Sept. 15.
Perrelli, Joseph, Richmond, Calif., assignor to Filper Corporation. Peach pitter. 2,664,127, Dec. 29.
Perrey, Huel C.: *See*—
Acklin, Gordon R., Hantack, and Perrey.
Perrier, Fernand, Neauphle-le-Chateau, and G. Lemoine, Auteuil par Tholry, France. Machine for sawing stones and the like. 2,656,832, Oct. 27.
Perrier, Louis: *See*—
Doussain, Robert, Bousson, and Perrier.
Perrigo, Richard G., Seaside, Oreg. Guard for automobile grilles and radiators. 2,650,850, Sept. 1.
Perrin, Arthur M., New York, N. Y. Discharging apparatus. 2,648,425, Aug. 11.
Perrin, Eddie J., Lodi, Calif. Multiple valve control unit. 2,631,665, Mar. 17.
Perrin, Herbert L.: *See*—
Fortner, Robert L., and Perrin.
Perrin, Tom S., Painesville, assignor to Diamond Alkali Company, Cleveland, Ohio. Production of chromium trioxide. 2,632,688, Mar. 24.
Perrin, Tom S., and R. G. Banner, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Recovering chromates and vanadates from aqueous solution. 2,628,154, Feb. 10.
Perrine, George C.: *See*—
Klugh, Bethune G., and Perrine.
Perrine, William L.: *See*—
Stumbock, Max J., and Perrine.
Perron, Emil E., Worcester, Mass. Roller drive chain. 2,638,790, May 19.
Perrot, Paul H., Paris, France, assignor to Bendix Aviation Corporation, New York, N. Y. Brake. 2,657,774, Nov. 3.
Perrotti, Anthony, Brooklyn, N. Y. Reinforcing patch applicator. 2,663,445, Dec. 22.
Perry, Barron H., Long Beach, N. Y. Tie pack. 2,643,035, June 23.
Perry, Bennett B., Quincy, Ill. Ink fountain for printing presses. 2,645,176, July 14.
Perry, Bennett G.: *See*—
Woods, Stephen E., and Perry.
Perry, Christine E., assignee: *See*—
Kimball, Raymond.
Perry, Edward G., Jr., and R. W. Olson, Dallas, Tex., assignors to Texas Instruments Incorporated. Electrical meter. 2,651,754, Sept. 8.
Perry, Elwood L., Hickory, N. C. Football training apparatus. 2,644,334, July 7.
Perry-Fay Company, The, assignee: *See*—
Perry, Richard D., and Baumgardner.
Perry Flasher Syndicate, assignee: *See*—
Perry, Robert S.
Perry, George A.: *See*—
Schwartz, Donald L., and Perry.
Perry, George L.: *See*—
Adelson, David E., Perry, and Pritzker.
Perry, George W., Port Clinton, Ohio. Quick closing valve. 2,638,918, May 19.
Perry, Guy A., assignor to F. M. McCarten, Stillwater, Minn. Bedpan. 2,639,439, May 26.
Perry, Harold O., Orinda, Calif. Golf tee holder. 2,662,677, Dec. 15.
Perry, Henry J.: *See*—
Mason, Charles O. M., and Perry.
Perry, J. Nell, San Jose, Calif. Nonsegregating conveyer chute. 2,646,865, July 28.
Perry, James W., Newton Center, Mass., W. R. Johnson, Texas City, Tex., and J. H. Frazer, Havre de Grace, Md. Apparatus for compacting explosive and propellent material. 2,630,041, Mar. 3.
Perry, John A., Phoenix, Ariz. Airplane wing structure. 2,646,945, July 28.
Perry, John A., Phoenix, Ariz. Airfoil support structure. 2,657,882, Nov. 3.
Perry, John H., Jr., Palm Beach, Fla., and R. C. Graham, Elizabeth, N. J., assignors, by mesne assignments, to J. H. Perry, Jr., West Palm Beach, Fla. Process and apparatus for preparing a printing plate. 2,639,995, May 26.
Perry, Joseph C., assignor to Agrashell, Inc., Los Angeles, Calif. Manufacture of laminates. 2,658,840, Nov. 10.
Perry Knitting Company, Inc., The, assignee: *See*—
Hellbronner, Harry S.
Perry, Manly M.: *See*—
Hove, Leland H., Hankes, and Perry.
Perry, Murle, Minneapolis, Minn. Stoma receiver. 2,638,898, May 19.
Perry, Price W., Encino, Calif. Cutting element for compositing machines or hay comminuting machines. 2,644,501, July 7.
Perry, Ray M. and R. F., Minneapolis, Minn. Tool for injecting sealing compound. 2,631,563, Mar. 17.
Perry, Raymond F.: *See*—
Perry, Ray M. and R. F.
Perry, Richard D., Elyria, and R. Baumgardner, Grafton, assignors to The Perry-Fay Company, Elyria, Ohio. Automatic screw machine. 2,627,646, Feb. 10.
Perry, Robert E., G. Ansel, and R. L. Dietrich, assignors to The Dow Chemical Company, Midland, Mich. Extrusion of continuous metal articles. 2,639,809, May 26.
Perry, Robert S., assignor, by mesne assignments, to Perry Flasher Syndicate, Westfield, N. J. Flasher. 2,644,899, July 7.
Perry, Stephen F., Roselle, N. J., assignor to Standard Oil Development Company. Method and apparatus for countercurrent contacting of solids with liquids. 2,632,720, Mar. 24.
Perry, Stephen F., Westfield, and R. M. Bailly, Little Silver, N. J., assignors to Standard Oil Development Company. Refining and stabilizing waxes. 2,658,856, Nov. 10.
Perry, Sydney W. H.: *See*—
Islip, Leonard, and Perry.
Perry, Warren R., Fredericksburg, Va. Tire casing spreader. 2,642,264, June 16.
Perry, William M.: *See*—
Vogel, Max R., La Barre, and Perry.
Perry, Willis A.: *See*—
Norway, Harold L., and Perry.
Perry, Winthrop L., Milford, assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Winding machine. 2,630,275, Mar. 3.
Perry, Winthrop L., and E. J. Abbott, deceased (by S. L. Abbott, executor), assignors, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Winding machine. 2,659,538, Nov. 17.
Persak, George, Jr., Verona, N. J., assignor to L. E. Rabjohn, Los Angeles County, Calif. Beverage dispenser. 2,648,528, Aug. 11.
Persak, Kenneth J., Hackensack, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Glossy molding process for ethylene polymers. 2,624,916, Jan. 13.
Persha, Henry J., Portland, Oreg. Valve. 2,661,758, Dec. 8.
Pershall, Estes E., Hazelwood, assignor to T. J. Moss Tie Company, St. Louis, Mo. Wood preservation. 2,637,691, May 5.
Pershing, William H., Bedford, J. J. McClain, Anderson, and J. A. Fulwider, Bedford, Ind., assignors to General Motors Corporation, Detroit, Mich. Bonding aluminum or aluminum base alloy to ferrous metal by means of an alloy bond. 2,634,469, Apr. 14.
Persico, Ralph W., Philadelphia, Pa. Securing coat linings and the like to coats. 2,637,037, May 5.
Persin, Jean, Paris, France. Shirt collar. 2,655,661, Oct. 20.
Personal Products Corporation, assignee: *See*—
Atkinson, Ralph L.
Johnson, Robert W.
Rodgers, Dorothy F.

Persons, Elisabeth B., administratrix: *See*—
Persons, Lawrence M.
Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Feed control for paper filters. 2,626,012, Jan. 20.
Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Fluid control valve. 2,635,638, Apr. 21.
Persons, Lawrence M., deceased, by E. B. Persons, administratrix, St. Louis County, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Reversing and speed control for truck motors. 2,639,851 Nov. 17.
Persoon, Andrew H., St. Paul, and C. F. Stebbins, Minneapolis, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Method and apparatus for transferring a magnetic sound track to movie film. 2,628,929, Feb. 17.
Persson, Eric S., Malmo, Sweden. Metal door. 2,649,171, Aug. 18.
Persson, Eric S., Malmo, Sweden. Sash of metal profiles for windows and doors. 2,626,024, Jan. 20.
Persson, Eric S., Malmo, Sweden. Framing of metal profiles particularly for movable and glazed windows and doors. 2,659,463, Nov. 17.
Persson, Ernest, New York, assignor to The International Postal Supply Company, Brooklyn, N. Y. Rotary numbering machine. 2,655,100, Oct. 13.
Persson, Ernest, New York, assignor to The International Postal Supply Company, Brooklyn, N. Y. Operational lock means for postage metering devices. 2,655,315, Oct. 13.
Persson, Karl E., Roda, Rodasel, Sweden. Adjustable rear-view mirror. 2,632,363, Mar. 24.
Persson, Thure A., assignor to Svenska Flygmotor Aktiebolaget, Trollhattan, Sweden. Turbine disk. 2,651,494, Sept. 8.
Perugia, André, Paris, France, assignor to Anper, Inc., New York, N. Y. Improvements in initially divided insoles. 2,632,259, Mar. 24.
Perwas, Ludwig F., New York, N. Y. Pressure actuated fountain toothbrush. 2,631,762, Mar. 17.
Perzel, John, Garfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Low capacitance cable and making the same. 2,636,923, Apr. 28.
Pescatori, Igino P., New York, N. Y. Educational toy. 2,656,618, Oct. 27.
Pesez, Maurice: *See*—
Lardé, Raymond, and Pesez.
Pessel, Leopold, Springfield Township, Montgomery County, Pa., assignor to Radio Corporation of America. Electric marking method, apparatus, and carrier for facsimile systems and the like. 2,661,998, Dec. 8.
Pessel, Leopold, Whitemarsh, Pa., assignor to Radio Corporation of America. Joining copper members. 2,657,458, Nov. 3.
Pessina, Joseph G., assignor to Emro Manufacturing Company, Incorporated, St. Louis, Mo. Fluorescent hand lamp construction. 2,641,685, June 9.
Pessina, Louis A., Jacksonville, Ill. Steam bath. 2,624,887, Jan. 13.
Pestarini, Joseph M., Staten Island, N. Y. Speed control of machines. 2,632,140, Mar. 17.
Pestarini, Joseph M., Staten Island, N. Y. Multiple motor system. 2,636,152, Apr. 21.
Pestarini, Joseph M., Staten Island, N. Y. Inductor of dynamo machine. 2,637,012, Apr. 28.
Pestarini, Joseph M., Staten Island, N. Y. Speed control of electric machines. 2,637,013, Apr. 28.
Pestarini, Joseph M., Staten Island, N. Y. Electric motor of the metadyne type. 2,642,556, June 16.
Pestarini, Joseph M., New York, N. Y. Power system for a plurality of motors. 2,648,039, Aug. 4.
Pestarini, Joseph M., Staten Island, N. Y. Drilling device. 2,655,343, Oct. 13.
Pestarini, Joseph M., Staten Island, N. Y. Speed responsive electrical device. 2,658,177, Nov. 3.
Pestarini, Joseph M., Staten Island, N. Y. Speed control of electric machines. 2,660,701, Nov. 24.
Pestarini, Joseph M., Staten Island, N. Y. Electric motor of the metadyne type. 2,662,999, Dec. 15.
Pest Control Limited, assignee: *See*—
Hartley, Gilbert S., and Pound.
Petcar Trust, assignee: *See*—
Peters, Melville F.
Petch, Howard D., Greenfield, assignor of twenty-five per cent to L. W. Skinner, Chicopee, and ten per cent to C. Bungay, Greenfield, Mass. Caliper. 2,634,505, Apr. 14.
Peter, Albin, and J. Günthart, assignors to Sandoz, A. G., Basel, Switzerland. Sulphonated (Bz-1-benzanthronyl)-1-aminoanthraquinone compounds. 2,637,734, May 5.
Peter, Albin, and J. Günthart, assignors to Sandoz A. G., Basel, Switzerland. Anthrapyridone dyestuffs. 2,644,821, July 7.
Peter, Albin, and E. Wydler, Basel, Switzerland. Dyestuff intermediates of the anthraquinone series. 2,659,737, Nov. 17.
Peter, Charles R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute for simultaneous arc distention in two directions. 2,635,158, Apr. 14.
Peter, Robert G.: *See*—
Boice, Elvin G., Peter, and Volmert.
Peter, Robert G., assignor to Reed Roller Bit Company, Houston, Tex. Drilling method and apparatus. 2,643,094, June 23.
Peterman, Russel S., Des Plaines, Ill., assignor to The Rauland Corporation. Image-reproducing device. 2,658,160, Nov. 3.
Peters, Alfons, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for reducing excess lubricant on relatively reciprocating bodies. 2,657,762, Nov. 3.
Peters, Amandus, P. Forbach, and B. J. Strotman, Casa Grande, Ariz.; said P. Forbach now by change of name B. Forbach. Power-driven harrow. 2,651,246, Sept. 8.
Peters, Anthony: *See*—
Parilla, Arthur R., and Peters.
Peters, Arthur C., Midlothian, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Soldering lug. 2,641,748, June 9.
Peters, Arthur W., assignor to Surface Combustion Corporation, Toledo, Ohio. Apparatus for purifying products of combustion. 2,635,039, Apr. 14.
Peters, Bernard: *See*—
Backus, John G., and Peters.
Peters, Byron M., Lathrop, Calif. Cultivating implement. 2,658,437, Nov. 10.
Peters, Clifford M.: *See*—
Garrett, Henry U., and Peters.
Peters, Clifford M., Longview, assignor, by mesne assignments, to Garrett Oil Tools, Inc., Houston, Tex. Gas lift apparatus. 2,629,335, Feb. 24.
Peters, Donald C., Paola, Kans. Chaffer attachment. 2,661,005, Dec. 1.
Peters, Edwin F., and B. L. Evering, assignors to Standard Oil Company, Chicago, Ill. Ethylene polymerization in the vapor phase. 2,658,059, Nov. 3.
Peters, Ernest W., Duluth, Minn. Slack stabilizer. 2,656,939, Oct. 27.
Peters, Faith P., assignee: *See*—
Berg, Elaine.
Peters, Fred, deceased, Hawthorne, and F. J. Hanback, Los Angeles, Calif.; V. V. Peters, executrix of said F. Peters. Automatic traffic signal. 2,628,587, Feb. 17.
Peters, G. D., & Company Limited, assignee: *See*—
Foster, William L.
Peters, Harry, Middletown, and W. J. Tilton, Franklin, assignors to The Raymond Bag Company, Middletown, Ohio. Bunching and counting mechanism. 2,655,083, Oct. 13.
Peters, Harry F., Haddonfield, N. J., assignor to Sun Oil Company, Philadelphia, Pa. Catalytic reaction apparatus. Re. 23,638, Mar. 24.
Peters, Henry, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bonding polyethylene to vulcanized rubber and article produced thereby. 2,635,975, Apr. 21.
Peters, James B., Lynn, Mass. Air pistol. 2,630,795, Mar. 10.
Peters, James B., Lynn, Mass. Breech mechanism for firearms. 2,649,800, Aug. 25.
Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.
Peters, John L., Hempstead, and E. J. Isbister, Garden City, N. Y., assignors to The Sperry Corporation. Object location apparatus with three-dimensional scalar representation. 2,637,023, Apr. 28.
Peters, Leo, Evanston, and H. I. Sebert, Glen Ellyn, Ill., said Sebert assignor to said Peters. Clothes retainer or guard. 2,631,338, Mar. 17.
Peters, Leo, Evanston, Ill. Packaging of soft plastic foods. 2,631,939, Mar. 17.
Peters, Leo, Evanston, Ill. Safety garment retainer. 2,635,304, Apr. 21.
Peters, Leo, Evanston, Ill. Door service guard. 2,642,629, June 23.
Peters, Leo, Evanston, Ill. Soft plastic food package. 2,657,998, Nov. 3.
Peters, Leo, Evanston, Ill. Recrystallizing or restabilizing oriented amorphous rubber hydrochloride film. 2,660,761, Dec. 1.
Peters, Leo R., Cleveland Heights, Ohio, assignor to General Electric Company. Quartz-to-metal seal. 2,630,471, Mar. 3.
Peters, Leo R., Cleveland Heights, Ohio, assignor to General Electric Company. Quartz-to-metal seal. 2,664,180, Dec. 29.
Peters, Melville F., East Orange, N. J. Spark plug testing unit. 2,629,001, Feb. 17.
Peters, Melville F., East Orange, N. J. Fuel ignition control. 2,639,408, May 19.
Peters, Melville F., East Orange, N. J. Fire responsive mechanism. 2,650,665, Sept. 1.
Peters, Melville F., East Orange, N. J. Sealing of fluid systems. 2,652,223, Sept. 15.
Peters, Melville F., East Orange, N. J., assignor, by mesne assignments, to S. Scrivener, Jr., trustee of the Petcar Trust. Fire detection system. 2,659,067, Nov. 10.
Peters, Melville F., Essex County, N. J. Apparatus for measuring potential differences in liquid. 2,625,588, Jan. 13.
Peters, Nick, Frazer, Mont. Valve spring compressor. 2,662,275, Dec. 15.
Peters, Norman J., assignor to Damrow Brothers Company, Fond du Lac, Wis. Cheese press. 2,642,797, June 23.

Peters, Philip H., Jr., Schenectady, N. Y., assignor to General Electric Company. Variable electronic capacitance device. 2,629,050, Feb. 17.
Peters, Philip H., Jr., Schenectady, N. Y., assignor to General Electric Company. Amplitude modulation circuit. 2,637,838, May 5.
Peters, Robert J., Muncie, Ind., and J. R. Guenther and J. W. Pollard, assignors to Borg-Warner Corporation, Chicago, Ill. Apparatus for handling and surface-hardening articles. 2,634,121, Apr. 7.
Peters, Rudolph, Oakland, Calif. Clamping device. 2,648,240, Aug. 11.
Peters & Russell, Inc., assignee: *See*—
Russell, Linus E.
Peters, Tenal L., A. George, and L. Stidham, Tyler, Tex. Candy molding machine. 2,652,789, Sept. 22.
Peters, Verna V., executrix: *See*—
Peters, Fred, and Hanback.
Peters, Walter, Detroit, Mich. Inflammable gas producing apparatus. 2,631,930, Mar. 17.
Peters, Wilhelm F., Frankfort-on-the-Main-Niederursel, and J. Riesinger, Frankfort-on-the-Main, Germany, assignors to V. J. Delhomme, New York, N. Y. Method and composition for repairing fire hoses. 2,624,689, Jan. 6.
Peters, Wilhelm F., Frankfurt am Main-Niederursel, and J. Riesinger, Frankfurt am Main, Germany, assignors to V. J. Delhomme, Carencro, La. Burner for vulcanizing apparatus. 2,649,851, Aug. 25.
Peters, William, and W. Drummond, Albany, Oreg. Sleeping bag. 2,637,048, May 5.
Petersen, Andrew G., Showlow, Ariz. Sawmill feed work control and reversing mechanism. 2,631,620, Mar. 17.
Petersen, Christian, assignor to Petersen Mfg. Co., Inc., De Witt, Nebr. Gripping tool. 2,641,149, June 9.
Petersen, Christian C., Brooklyn, N. Y.; G. Petersen, administratrix, assignor to G. Petersen. Guard for saws. 2,659,400, Nov. 17.
Petersen, Clifford C., Chicago, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Air Force. Cell for electrical measurement of liquid dielectrics. 2,654,862, Oct. 6.
Petersen, Clifford W., Wauwatosa, assignor to McGraw Electric Company, Milwaukee, Wis. Electrical discharge device of the arc expulsion type. 2,626,368, Jan. 20.
Petersen, Clifford W., Wauwatosa, assignor to McGraw Electric Company, Milwaukee, Wis. Lightning arrester. 2,628,323, Feb. 10.
Petersen, Gerald A., San Francisco, Calif. Pilot bit for earth augers. 2,639,122, May 19.
Petersen, Grace, administratrix, assignee: *See*—
Petersen, Christian C.
Petersen, Gustav, assignor to Danske Andelsslagteriers Konservesfabrik A. m. b. A., Roskilde, Denmark. Extraction of insulin as well as enzymes from pancreas. 2,637,680, May 5.
Petersen, Hans: *See*—
Matthias, Lynn H., and Petersen.
Petersen, Hans P., Wauwatosa, assignor to Mid-West Laundry Machinery Manufacturers, Inc., Milwaukee, Wis. Sliding door construction for washing machines. 2,648,458, Aug. 11.
Petersen, Howard S., Los Angeles, Calif. Sanitary hinge for soda fountain lids. 2,652,587, Sept. 22.
Petersen, John, Newark, N. J. Hair cutter. 2,648,902, Aug. 18.
Petersen, John S., assignor to Simmons Company, Kenosha, Wis. Glider hanger. 2,634,793, Apr. 14.
Petersen, John S., and H. E. Coshun, assignors to Simmons Company, Kenosha, Wis. Sofa bed. 2,642,584, June 23.
Petersen, Karl, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark. Producing crystalline insulin. 2,626,228, Jan. 20.
Petersen, Lowell W., assignor to Swift & Company, Chicago, Ill. Concentration of charrable heat-sensitive liquids. 2,632,505, Mar. 24.
Petersen Mfg. Co., Inc., assignee: *See*—
Petersen, Christian.
Petersen, Marius E., Los Angeles, Calif. Oscillating treadle propelling mechanism for bicycles. 2,630,333, Mar. 3.
Petersen, Niels P., Provo, Utah. Collapsible decoy. 2,662,327, Dec. 15.
Petersen Oven Company, The, assignee: *See*—
Klein, Chris, Skarin, and Tinker.
Wallman, Clifford G.
Petersen, Paul, and A. J. Markuc, Milwaukee, Wis. Unit electric heater. 2,645,704, July 14.
Petersen, Peter A.: *See*—
Clauser, Raymond M., and Petersen.
Petersen, Simon J.: *See*—
Hoffman, George L., and Petersen.
Petersen, Warren R., Baldwin, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Pivot pin or bolt. 2,661,970, Dec. 8.
Petersen, William L., West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Rug scrubbing machine. 2,626,412, Jan. 27.
Petersen, William L., West New York, N. J., assignor to Clarke Sanding Machine Company. Rug scrubbing machine. 2,640,211, June 2.
Peterson, Adolphe C., Edina, Minn. Motor transmission arrangement between axially vehicle driving wheels. 2,653,673, Sept. 29.
Peterson, Adolphe C., Edina, Minn. Convertiwing aircraft. 2,659,550, Nov. 17.
Peterson, Adolphe C., Minneapolis, Minn. combustion engine. 2,644,295, July 7.
Peterson, Adolphe C., Minneapolis, Minn. rotor actuation and control. 2,655,997, Oct.
Peterson, Adolphe C., Minneapolis, Minn. gas and steam power generating unit. 2,65
27.
Peterson, Adolphe C., Minneapolis, Minn. system of intermittent combustion type. Nov. 10.
Peterson, Albert C., Park Ridge, N. L. Waller C. C. Smith, assignors to Union Special Machine pany, Chicago, Ill. Overedge sewing 2,636,462, Apr. 28.
Peterson, Albin K., Redondo Beach, Calif. Construction. 2,652,308, Sept. 15.
Peterson, Alfred, Lyford, Tex. Tire chain. Nov. 3.
Peterson, Arthur, Havertown, Pa. Edging and means for walkways and the like. 2,662,34
Peterson, Arthur F., North Arlington, N. J. 2,646,600, July 28.
Peterson, Burt A., assignor to Barber-Colman Rockford, Ill. Bobbin winding machine a supply means therefor. 2,627,380, Feb. 3.
Peterson, Clarence J., Watsonville, Calif. Conveanism for box wrapping machines. 2,624,448
Peterson, Clarence J., Watsonville, Calif., a Bank of America National Trust and Savingtion. Paper feeding mechanism for box machines. 2,625,779, Jan. 20.
Peterson, Clarence N., Central City, assignor of T. S. Maloney, Grand Island, Nebr. Cattlemover and insecticide applicator. 2,632,063
Peterson, Clyde A., Dewart, and H. W. Schaefer assignors to Westinghouse Electric Corpora Pittsburgh, Pa. Radio phonograph cabinet. Feb. 3.
Peterson, Delmont R., Mission, Kans. Surfac 2,645,886, July 21.
Peterson Development Corporation, assignee: Peterson, Gerald D.
Peterson, Durey H.: *See*—
Murray, Herbert C., and Peterson.
Peterson, Earl W., Chicago, Ill., assignor to Dea tors Corporation, Detroit, Mich. Agricultument and tine construction therefor. 2,654,1
Peterson, Edward C., Reading, assignor to Birde Foundry and Machine Company, Birdsboro, Pa ulating on mill tables. 2,649,003, Aug. 18.
Peterson, Edward T., Reading, assignor to Birde Foundry and Machine Company, Birdsboro, turning device. 2,632,346, Mar. 24.
Peterson, Edward T., Reading, assignor to Birde Foundry and Machine Company, Birdsboro, roll adjustment. 2,651,956, Sept. 15.
Peterson, Edwin F., Kewanee, Ill. Coremaking 2,637,881, May 12.
Peterson, Edwin F., Kewanee, Ill. Wear resist for core making apparatus. 2,659,119, Nov
Peterson, Elmer J., Minneapolis, Minn., assignor lin Transformer Manufacturing Company, Inc. time automatic clothes drier and control 2,654,160, Oct. 6.
Peterson, Elwin L., Falls Church, Va. Prel release chuck. 2,655,384, Oct. 13.
Peterson, Emily A. M., Chicago, Ill. Garmer 2,629,525, Feb. 24.
Peterson, Ernest A., Oakland, Calif. Pivoted line clamp. 2,649,635, Aug. 25.
Peterson, Erik: *See*—
Gadberry, Howard M., and Peterson.
Peterson, Eugene, assignor to Bell Telephone Lal Incorporated, New York, N. Y. Decoder for modulation communication systems. 2,650,29
Peterson, Eugene W.: *See*—
Saunderson, Jason L., Caldecourt, and Pete
Peterson, Garfield E.: *See*—
Baudry, René A., and Peterson.
Peterson, George, Jr., St. Davids, Pa., assignor side Metal Company, Riverside, N. J. Posicator. 2,655,647, Oct. 13.
Peterson, Gerald D., assignor to Peterson De Corporation, Detroit, Mich. Window 2,663,917, Dec. 29.
Peterson, Glen, Tulsa, Okla, assignor to Phillleum Company. Crystal controlled modulator. 2,641,741, June 9.
Peterson, Glen, Tulsa, Okla. Apparatus for circuit elements. 2,647,990, Aug. 4.
Peterson, Gustaf J., assignor to Mattison Machi Rockford, Ill. Variable stroke power 2,656,681, Oct. 27.
Peterson, Harold O., and B. A. Trevor, Riverhe assignors to Radio Corporation of America. station antenna distribution system. 2,628,31
Peterson, Harold O., and J. B. Atwood, Riverhe assignors to Radio Corporation of America. shift diversity reception. 2,636,115, Apr. 21.

Peterson, Harry W., Jr.: *See*—
Henn, Albert C., and Peterson.
Peterson, Howard C., Sioux Falls, S. Dak. Dental clamp. 2,651,841, Sept. 15.
Peterson, Joel D., Rivervale, assignor to Bendix Aviation Corporation, Teterboro, N. J. Windshield temperature controller. 2,644,065, June 30.
Peterson, John B., deceased, Bethesda, Md.; R. L. Peterson, administratrix, assignor to Bendix Aviation Corporation. Water speed integrator and indicator. 2,655,040, Oct. 13.
Peterson, John E., Downers Grove, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Grille. 2,630,054, Mar. 3.
Peterson, John E., assignor to The Waterbury Lock & Specialty Company, Milford, Conn. Pocket lighter. 2,633,723, Apr. 7.
Peterson, John T., Rockford, Ill. Tripod head. 2,638,298, May 12.
Peterson, John X., Minneapolis, Minn. Fishtail clamp and mounting. 2,624,910, Jan. 13.
Peterson, Kenneth B., Brooklyn, N. Y. Receptacle for safety razor blades. 2,663,079, Dec. 22.
Peterson, Lawrence E., Somerville, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cord slider. 2,636,236, Apr. 28.
Peterson, Lester C.: *See*—
Hiatt, Herbert D., McCord, and Peterson.
Peterson, Liss C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transversal electric wave filter. 2,629,841, Feb. 24.
Peterson, Louis L., Dos Palos, Calif. Casting form. 2,630,614, Mar. 10.
Peterson, Merle H., Grafton, Wis., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Agricultural implement lift shaft helper spring assembly. 2,636,334, Apr. 28.
Peterson, Milton C., Lakeside, Wash., assignor to J. E. M. Co., Portland, Oreg. Adjustable rearview mirror. 2,626,539, Jan. 27.
Peterson, Norman R.: *See*—
Hoogsteen, Harold M., and Peterson.
Peterson, Oscar L., Prentice, Wis. Battery cable clamp. 2,663,854, Dec. 22.
Peterson Products Corporation, assignee: *See*—
Kline, Donald, and Michna.
Peterson, Reuben E., Fergus Falls, Minn. Door opening and closing mechanism. 2,624,569, Jan. 6.
Peterson, Richard H.: *See*—
Heytow, Solomon, and Peterson.
Peterson, Robert E., assignor to Repeter Products, Inc., New York, N. Y. Lighter. 2,664,007, Dec. 29.
Peterson, Robert H., Camden, and H. S. Broadwell, Collingswood, N. J., assignors to Radio Corporation of America. Multichannel telemetering apparatus. 2,644,933, July 7.
Peterson, Robert J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Traffic warning and directing signal. 2,646,638, July 28.
Peterson, Roy V., Tacoma, Wash. Veneer sheet patching machine. 2,663,332, Dec. 22.
Peterson, Ruben O.: *See*—
Nelson, Brooks E., and Peterson.
Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brushing mechanism for metal sheets and the like. 2,636,200, Apr. 28.
Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Buff and making same. 2,658,315, Nov. 10.
Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Brush. 2,661,491, Dec. 8.
Peterson, Rufus F., assignee: *See*—
Clair, Louis C.
Peterson, Russell W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Staple cutter and method. 2,646,121, July 21.
Peterson, Ruth L., administratrix: *See*—
Peterson, John B.
Peterson, Theodore E., Comfrey, Minn. Cobbler's nippers. 2,629,114, Feb. 24.
Peterson, Victor E., assignor to The Kawneer Company, Niles, Mich. Ceiling construction. 2,639,011, May 19.
Peterson, Vincent C., Carney, Mich., and H. H. Nadasdy, assignors to Harper-Wyman Company, Chicago, Ill. Locking stem adjustment valve. 2,652,225, Sept. 15.
Peterson, Walter E.: *See*—
Hodson, Waldo G., and Peterson.
Peterson, Walter G., Eugene, Oreg. Paper carton collapser. 2,625,096, Jan. 13.
Peterson, Walter H.: *See*—
Stross, Fred H., Abrams, and Peterson.
Peterson, Walter H., Point Richmond, assignor to Shell Development Company, San Francisco, Calif. Grease manufacture. 2,629,691, Feb. 24.
Peterson, Walter H., Point Richmond, assignor to Shell Development Company, San Francisco, Calif. Grease composition. 2,647,872, Aug. 4.
Peterson, Walter H., Point Richmond, and T. Skei, Lafayette, assignors to Shell Development Company, Emeryville, Calif. Grease compositions. 2,637,694, May 5.
Peterson, Walter H., Point Richmond, and T Skei, Lafayette, assignors to Shell Development Company, Emeryville, Calif. Grease compositions. 2,648,633, Aug. 11.
Peterson, Walter R., Hinsdale, Ill., assignor to International Harvester Company. Reciprocating floor bottom for unloading vehicles. 2,629,504, Feb. 24.
Peterson, Walter R., Hinsdale, Ill., assignor to International Harvester Company. Charge delivering hopper and trough. 2,634,706, Apr. 14.
Peterson, Walter R., Hinsdale, Ill., assignor to International Harvester Company. Reversible castering wheel structure. 2,644,697, July 7.
Peterson, Walter R., Hinsdale, Ill., assignor to International Harvester Company. Silo unloader. 2,651,438, Sept. 8.
Peterson, Walter R., Hinsdale, Ill., assignor to International Harvester Company. Milk measuring and material feeding device. 2,661,122, Dec. 1.
Peterson, Walter R., Hinsdale, and A. C. Radtke, Oak Park, Ill., assignors to International Harvester Company. Mechanized feeding mechanism for animals. 2,654,344, Oct. 6.
Peterson, William B., Los Altos, Calif. Metering dispenser for solid free flowing material. 2,628,002, Feb. 10.
Peterson, William R.: *See*—
Hartman, Carl H., Peterson, and Griswold.
Pethick, Ford C., Englewood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Printing means using electric fields. 2,633,796, Apr. 7.
Petinco Systems, Inc., assignee: *See*—
Chapman, Charles H., and Aspenwall.
Petisi, Joseph P.: *See*—
Boothe, James H., and Petisi.
Petit, Daniel, assignor to Societe de Technique Industrielle, Paris, France. Coke oven construction. 2,637,685, May 5.
Petit, Jean F. G., Paris, assignor to Societe d'Exploitation de Brevets, Boulogne-sur-Seine, France. Dynamoelectric machine. 2,625,674, Jan. 13.
Petit, Jean F. G., Paris, assignor to Societe d'Exploitation de Brevets, Boulogne-sur-Seine, France. Dynamoelectric machine. 2,664,539, Dec. 29.
Petit, Laurence A., Chicago, Ill. Mounting means for manifold machine carbon paper. 2,645,325, July 14.
Petitta, Mario, New York, N. Y. Hair dyeing and bleaching device. 2,655,924, Oct. 20.
Petkau, Abraham: *See*—
Danroth, Edward J., and Petkau.
Petraline, Alexander J.: *See*—
Bigsby, Vernon L., and Petraline.
Petrasy, Albert W., Stratford, Conn. Ornamental bird having rotatable wings. 2,638,705, May 19.
Petre, John R.: *See*—
Johnson, George W., and Petre.
Petre, Severin W., Wichita Falls, Tex. Rotatable brushing tool for cleaning pipe threads. 2,629,121, Feb. 24.
Petrea, James C.: *See*—
Tracy, Glen M., and Petrea.
Petrea, James C., assignor to Wright Machinery Company, Durham, N. C. Material discharge means. 2,641,435, June 9.
Petrecca, Joseph, Bloomfield, N. J. Sterile brush dispenser. 2,661,991, Dec. 8.
Petresky, John, Jr., assignor to Patton Clay Manufacturing Co., Inc., Patton, Pa. Die for making elbow pipe. 2,649,642, Aug. 25.
Petri, Hector D., Framingham, assigner to United-Carr Fastener Corporation, Cambridge, Mass. Bushing. 2,663,893, Dec. 29.
Petrie, James A.: *See*—
Haworth, Lionel and Petrie.
Petrie, James A., Littleover, assignor to Rolls-Royce Limited, Derby, England. Rotary fluid machine assembly. 2,625,790, Jan. 20.
Petrie, James A., Littleover, assignor to Rolls-Royce Limited, Derby, England. Coaxial combustion products generator, turbine, and compressors. 2,661,594, Dec. 8.
Petrie & McNaught Limited, assignee: *See*—
Walsh, John, and Dawson.
Petrie, Peter S.: *See*—
Britton, Edgar C., and Petrie.
Petrime, Joseph K., Cleveland, Ohio. Collapsible pallet. 2,631,749, Mar. 17.
Petro, Joseph, Garfield Heights, Ohio. Fire extinguishing apparatus for homes. 2,652,068, Sept. 15.
Petrocarbon Limited, assignee: *See*—
Haward, Robert N., and Borrows.
Petro-Chem Process Company Incorporated, assignee: *See*—
Throckmorton, John W., and Wallis.
Wallis, John S., and Throckmorton.
Wasp, Edward J., and Wallis.
Petroff, Merlin, Round Lake, assignor to Stewart-Warner Corporation, Chicago, Ill. Dual voltage regulator. 2,653,251, Sept. 22.
Petroleum Engineering Associates, Inc., assignee: *See*—
Brazier, Marion D.
Petrolite Corporation, assignee: *See*—
Bailey, Edmund I.
Blair, Charles M., Jr., and Gross.
De Groote, Melvin.
De Groote, Melvin, and Keiser.
Eberz, William F.

Petrone, James, assignor to Stanley Home Products, Inc., Westfield, Mass. Brush. 2,647,274, Aug. 4.
Petropoulos, John C., South Norwalk, and L. E. Cadwell, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Surface coating composition and preparing the same. 2,626,250, Jan. 20.
Petruschell, Lucius P., Mount Dora, Fla., assignor to Dictophone Corporation, Bridgeport, Conn. Camming article clamp. 2,656,140, Oct. 20.
Petry, Lewis W., Middletown, and J. Baxter, Jr., Franklin, assignors to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,661,546, Dec. 8.
Petry, Theodor A.: *See*—
Myers, Harold C., Pukkila, and Petry.
Petsch, Harold A., Minneapolis, Minn. Duplex brush having duo sections. 2,649,598, Aug. 25.
Petter, Noel A., Glendale, Calif. Multiple cell carton. 2,639,079, May 19.
Petter, Noel A., assignor to Standard Paper Box Corp., Los Angeles, Calif. Disposable bottle container. 2,644,631, July 7.
Petterson, Harold F., Redwood City, Calif. Helical runway ball game. 2,664,291, Dec. 29.
Petterson, John C., Altadena, Calif. Door construction. 2,660,766, Dec. 1.
Petterson, Reinhardt, Whitestone, N. Y., and L. G. Weygandt, Jenkintown, Pa., assignors to Hewitt-Robins Incorporated, Buffalo, N. Y. Self-braking conveyer drive. 2,663,404, Dec. 22.
Pettey, Herbert L., Bronxville, N. Y. Fingernail cover. 2,633,139, Mar. 31.
Pettibone, Charles L., Shaker Heights, assignor to The B. L. Marble Chair Company, Bedford, Ohio. Scuff plate for furniture. Re. 23,665, June 2.
Pettibone, Elmer K., San Francisco, Calif. Soybean processing and products. 2,627,462, Feb. 3.
Pettibone, Elmer K., San Francisco, Calif. Soybean-containing food products without soy taste. 2,627,465, Feb. 3.
Pettibone Mulliken Corporation, assignee: *See*—
Koren, George J.
Pettie, James E., Martinsville, Va. Shoe polishing apparatus, including brush drive and handgrip with closure for access to the drive. 2,635,268, Apr. 21.
Pettigrew, David D.: *See*—
Eschenburg, William A., Pettigrew, and Johnson.
Garyait, Henry, and Pettigrew.
Pettigrew, Kenneth W., Cranston, and C. A. Kilvert, Jr., Providence, assignors to Rhode Island Engineering and Manufacturing Corporation, Central Falls, R. I. Adjustable blind or awning. 2,631,341, Mar. 17.
Pettijohn, Wesley L., St. Joseph, Mo. Vehicle for invalids. 2,630,332, Mar. 3.
Pettit, Frank, Union, N. J., assignor to The Lionel Corporation, New York, N. Y. Toy smoke-producing apparatus. 2,658,303, Nov. 10.
Pettit, Frank, Union, N. J., assignor to The Lionel Corporation, New York, N. Y. Merchandise unloading toy car. 2,658,307, Nov. 10.
Pettit, Frank, Union, N. J., assignor to The Lionel Corporation, New York, N. Y. Combined truck and coupler for toy railroads. 2,658,629, Nov. 10.
Pettus, James L., Encino, Calif., assignor to Radio Corporation of America. Film sprocket clutch. 2,644,562, July 7.
Pettus, James L., Encino, Calif., assignor to Radio Corporation of America. Multiple head mounting structure. 2,644,856, July 7.
Pettus, James L., Encino, Calif., assignor to Radio Corporation of America. Motor drive system for motion-picture equipment. 2,657,870, Nov. 3.
Pettus, James L., Encino, Calif., assignor to Radio Corporation of America. Film reel drive mechanism. 2,657,871, Nov. 3.
Petty, Olive S., assignee: *See*—
Hasbrook, Arthur F.
Petty, William M., Evergreen, Colo. Closure remover with pivoted gripping jaws. 2,625,066, Jan. 13.
Pettyjohn, Elmore S., Evanston, assignor to The Institute of Gas Technology, Chicago, Ill. Distillation of oil-shale. 2,656,308, Oct. 20.
Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Var measuring device. 2,648,821, Aug. 11.
Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical measuring device. 2,656,510, Oct. 20.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Game chip holder. 2,645,352, July 14.
Peugnet, William R., Wichita, Kans. Paper jogging machine. 2,624,577, Jan. 6.
Pevere, Ernest F., and H. V. Hess, Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Hydrogenation of coal. 2,658,861, Nov. 10.
Pevere, Ernest F., Beacon, G. B. Arnold, Glenham, and H. V. Hess, Beacon, assignors to The Texas Company, New York, N. Y. Carbonization of coal. 2,664,390, Dec. 29.
Pew, Preston F., assignor to Infilco Incorporated, Tucson, Ariz. Filter surface wash nozzle. 2,663,591, Dec. 22.

Peyches, Ivan: *See*—
Heymes, Pierre R., and Peyches.
Peyches, Ivan, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Preparing perforate bodies. 2,628,417, Feb. 17.
Peyches, Ivan, assignor to Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Manufacture of fibers, such as glass fibers. 2,629,969, Mar. 3.
Peyches, Ivan, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Apparatus for the manufacture of multicellular glass. 2,658,096, Nov. 3.
Peyches, Ivan, Paris, France, and E. V. Borel, Vevey, Switzerland, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Process and apparatus for making glass involving high-frequency vibration. 2,635,388, Apr. 21.
Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Form roller setting and tripping mechanism. 2,635,539, Apr. 21.
Peyrebrune, Henri E., River Forest, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Form roller and cylinder tripping mechanism. 2,653,537, Sept. 29.
Peyrebrune, Henri E., River Forest, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Printing cylinder adjustment and locking means. 2,653,538, Sept. 29.
Peyrebrune, Henri E., River Forest, B. B. Pasquinelli, Chicago, and B. L. Sites, Elmhurst, assignors to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Reciprocating doctor blade mechanism. 2,644,395, July 7.
Peyton, Ferrold H., Carbondale, Ill. Hair-waving device. 2,627,861, Feb. 10.
Pezzillo, Anthony H.: *See*—
Pezzillo, Rinaldo F. and A. H., and Tatem.
Pezzillo, Rinaldo F., Audubon, N. J., A. H. Pezzillo, and G. C. Tatem, assignors to Mono Products Inc., Philadelphia, Pa. Fluid-shielded dynamoelectric device for immersed pumps and the like. 2,649,048, Aug. 18.
Pezzillo, Rinaldo F., Audubon, N. J., A. H. Pezzillo, and G. C. Tatem, assignors to Mono Products Inc., Philadelphia, Pa. Fluid-shielded dynamoelectric device for immersed pumps and the like. 2,649,049, Aug. 18.
Pfaff, George C., Baltimore, Md., assignor to Koppers Company, Inc. Gas purifier box construction. 2,634,019, Apr. 7.
Pfaff, Harold A., Neenah, assignor to Marathon Corporation, Rothschild, Wis. Carton. 2,652,969, Sept. 22.
Pfaff, Henry C., Jr., Summit, N. J. Highway lighting device and making same. 2,653,782, Sept. 29.
Pfaff, William A., Jr.: *See*—
Pratt, Verneur E., Gray, and Pfaff.
Pfankuch, Leo A., La Mesa, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Cushion and manufacturing the same. 2,649,900, Aug. 25.
Pfann, Harry F., assignor to Koppers Company, Inc., Pittsburgh, Pa. Thiocyanogen containing compositions. 2,639,267, May 19.
Pfann, Harry F., assignor to Koppers Company, Inc., Pittsburgh, Pa. Making thiocyanogen derivatives. 2,639,291, May 19.
Pfannmuller, Julius, North Plainfield, N. J., assignor to Wallerstein Company, Inc., New York, N. Y. Concentrate of tyrothricin and its therapeutically active components. 2,643,967, June 30.
Pfannmuller, Julius W., North Plainfield, N. J., and A. F. Noe, Staten Island, assignors to Wallerstein Company, Inc., New York, N. Y. Inactivation of enzymes by barium peroxide. 2,647,854, Aug. 4.
Pfanstiehl Chemical Company, assignee: *See*—
Holtz, Frederick C., Jr.
Pfanstiel, Robert: *See*—
Averill, Harold P., and Pfanstiel.
Pfarrwaller, Erwin, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Shedding mechanism for looms. 2,644,488, July 7.
Pfau, Julius H., Yonkers, N. Y., assignor to Alexander Smith, Incorporated. Crimping textile fibers. 2,647,285, Aug. 4.
Pfau, Julius H., Yonkers, N. Y., assignor to Alexander Smith, Incorporated. Flowmeter. 2,654,246, Oct. 6.
Pfaudler Company, The, assignee: *See*—
Greene, Otto W.
Sanford, Elbert A., and Holtz.
Pfeifer, George F., assignor to Quincy Compressor Company, Quincy, Ill. Compressor starting pressure relieving attachment. 2,656,970, Oct. 27.
Pfeifer, George T., Lake Geneva, Wis., assignor to The Edwal Laboratories, Inc., Chicago, Ill. Combination package. 2,652,148, Sept. 15.
Pfeifer und Langen, assignee: *See*—
Langen, E.
Pfeifer, Raymond B., and L. G. Heyden, assignors of one-third to R. H. Wendt, Chicago, Ill. Visor supported pocket for automotive vehicles. 2,655,299, Oct. 13.

Pfeifer, Virgil F., and G. E. N. Nelson, Peoria, and C. Vojnovich, Washington, Ill., and L. B. Lockwood, Glen Rock, N. J., assignors to the United States of America as represented by the Secretary of Agriculture. Production of itaconic acid. 2,657,173, Oct. 27.

Pfeiffer, Fred B., Akron, Ohio. Drier. 2,626,519, Jan. 27.

Pfeiffer, John H., Ambler, assignor to Philco Corporation, Philadelphia, Pa. Storage apparatus. 2,635,779, Apr. 21.

Pfeiffer, Paul O., assignor to The General Tire and Rubber Company, Akron, Ohio. Balancing device. 2,632,673, Mar. 24.

Pfeil, Henry J., Alhambra, and C. A. Welles, Jr., Los Angeles, Calif., assignors to Aluminum Company of America, Pittsburgh, Pa. Thread protector. 2,632,479, Mar. 24.

Pfeil, William C., Chicago, Ill. Stuffing box gland. 2,628,853, Feb. 17.

Pfennig, Reuben F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of paraxylene. 2,632,779, Mar. 24.

Pfenninger, Arnold, Jr., Hamden, assignor to The Connecticut Hard Rubber Company, New Haven, Conn. Heating element. 2,643,320, June 23.

Pfingston, Homer E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Thread forming method and apparatus. 2,645,954, July 21.

Pfister, Karl, III, Scotch Plains, and J. Weijlard, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing 2-amino-quinoxaline compounds. 2,650,221, Aug. 25.

Pfister, Karl, III, Westfield, and J. Weijlard, Maplewood, assignors to Merck & Co., Inc., Rahway, N. J. 2-amino-3,4-dihydroquinoxaline compounds and their preparation. 2,650,222, Aug. 25.

Pfister, Karl, III, Westfield, N. J., and W. J. Leanza, Staten Island, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. Alpha-methyl glutamic acid and salts and preparation. 2,658,912, Nov. 10.

Pfister, William T., Los Angeles, Calif. Vacuo-pneumatic apparatus for separating vegetables, fruits, and/or other bodies. 2,664,197, Dec. 29.

Pfistershammer, Josef, Vienna, Austria. Joining sheet metal or the like. 2,663,072, Dec. 22.

Pfitzer, Christian C.: *See*—
Maher, Richard A., and Pfitzer.

Pfizer, Chas., & Co., Inc., assignee: *See*—
Blase, Edwin W.
Brunings, Karl J., Feeney, and Solomons.
Carboni, Rudolph A., and Regna.
Drustrup, Thomas G.
Goett, Edward J., Macdonough, and Salivar.
Goett, John J., and Ensminger.
Jarowski, Charles L., and Murphy.
Nielsen, Axel T., and Romano.
Pateiski, Ray A., and Regna.
Regna, Peter P., Carboni, and Timreck.
Shull, Gilbert M., Kita, and Davisson.
Umbdenstock, Robert R.

Pflaumer, Robert E., Winnetka, Ill., assignor to American-Marietta Company. Pipe protector. 2,650,619, Sept. 1.

Pfleger, Frederick W., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage position control means for accumulation of products around a fixed decimal point. 2,645,422, July 14.

Pfleger, Frederick W., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Multiplication control mechanism for calculating machines. 2,645,423, July 14.

Pfund, August H., Baltimore, Md., assignor to the United States of America as represented by the Secretary of War. Protecting lenses. 2,642,367, June 16.

Pfyffer, Francesco, Santa Cruz, Calif. Nailing machine. 2,631,284, Mar. 17.

Phalin, Harry O.: *See*—
Clever, William R., and Phalin.

Phalin, Harry O., Port Allegany, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Material handling device. 2,646,307, July 21.

Phane, Walter J., assignor to Wingfoot Corporation, Akron, Ohio. Inflating means. 2,639,750, May 26.

Phaneuf, Edgar A., Southborough, Mass., assignor to General Electric Company. Spring type one-way drive. 2,633,950, Apr. 7.

Phaneuf, Joseph R., Southbridge, Mass. Fishing net. 2,653,404, Sept. 29.

Phares, Thomas E.: *See*—
Chambers, John E., and Phares.

Phares, Thomas E., Shelbyville, Ind., assignor to Chambers Corporation. Safety device for gas ovens. 2,655,142, Oct. 13.

Pharis, William W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone system coin control adapter and connector. 2,657,267, Oct. 27.

Pharis, William W., Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone selector circuit. 2,658,949, Nov. 10.

Phelan, John K., Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Frequency dividing circuit. 2,653,236, Sept. 22.

Phelon, Russell E., Longmeadow, Mass. Flywheel magneto having short circuiting means. 2,627,041, Jan. 27.

Phelps, Arthur R., Portland, Oreg. Telescopic dumping truck. 2,663,439, Dec. 22.

Phelps, Byron E.: *See*—
Dickinson, Arthur H., Phelps, and Bergfors.
Palmer, Ralph L., Fernekees, Haddad, Phelps, and Williams.

Phelps, Byron E., Chatham, N. J., assignor to International Business Machines Corporation, New York, N. Y. Electronic calculating machine. 2,624,507, Jan. 6.

Phelps, Charles G., Bremerton, Wash. Card shuffler. 2,646,988, July 28.

Phelps, Clyde H.: *See*—
Weaver, Ira A., and Phelps.

Phelps Dodge Corporation, assignee: *See*—
Barker, Lyle M., and Young.
Kuzell, Charles R.
Tuwiner, Sidney B.

Phelps, Louis F., Flint, Mich. Scribing instrument. 2,654,953, Oct. 13.

Phelps, Malcolm T., assignor to Weber-Knapp Company, Jamestown, N. Y. Self-aligning, screw-threaded fastening device. 2,639,179, May 19.

Phelps, Melvin B., Sidney, Nebr. Pipe holder or puller. 2,650,852, Sept. 1.

Phelps, Rex V., assignor to Warren Petroleum Corporation, Tulsa, Okla. Underground liquid storage facility and selecting and preparing the same. 2,659,209, Nov. 17.

Phelps, Ross H.: *See*—
Kishline, Floyd F., and Phelps.

Phelps, Stuart M.: *See*—
Hewess, Ralph W., and Phelps.

Phelps, William H., Ralston, Nebr. Front wheel mounting for mowers. 2,660,019, Nov. 24.

Pherson, Raymond L., Boulder, Colo. Loading device for dump trucks and the like. 2,641,370, June 9.

Philadelphia Gear Works, Inc., assignee: *See*—
Kron, Harold O.
Wills, John H.

Philadelphia Leather Goods Corporation, assignee: *See*—
Fuller, Ross.

Philadelphia Quartz Company, assignee: *See*—
Stericker, William.
Wills, John H., and Hazel.

Philadelphia Rust-Proof Co., assignee: *See*—
Heiman, Samuel.

Philadelphia Valve Company, assignee: *See*—
Jensen, James A.

Philco Corporation, assignee: *See*—
Affel, Herman A., Jr., and Dibos.
Albright, Robert B.
Ammlung, Louis C., Jr., and Tourtellot.
Barnett, Guy F., and Chudleigh.
Bowman, John M.
Bradley, William E.
Bryan, James S.
Cheney, Oliver F.
Chudleigh, Walter H., Jr.
Hart, Edward L.
Honda, Hajime.
Ishler, Harry K.
Knoebel, Haines L.
Lingenbrink, Herman E. F. C.
Lingenbrink, Hermann E. F. C.
Moore, Robert C.
Munster, Allen C.
Pfeiffer, John H.
Shoemaker, Malcolm G.
Sunstein, David E.
Sunstein, David E., and Munster.
Tiley, John W.
Whitesel, Harry A.
Zearfoss, Elmer W., Jr.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,627,729, Feb. 10.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerant evaporating element. 2,635,439, Apr. 21.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator having refrigerant cooled liner. 2,639,592, May 26.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator door construction. 2,642,630, June 23.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Two-temperature refrigerator. 2,645,909, July 21.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Tiltable bin. 2,646,332, July 21.

Philipp, Walter W., Sheldon, Wis. Silage distributor. 2,630,906, Mar. 10.

Philippi, George J., Brooklyn, assignor to Dynoflow Solder Corporation, Long Island, N. Y. Apparatus for and method of curling longitudinal edges of strips of deformable strip material. 2,633,893, Apr. 7.

Philippin, Roger W., Babylon, N. Y. Preparing a material having prolonged scent retaining characteristics and product thereof. 2,643,212, June 23.

Philipps, Louis E., Cleveland Heights, assignor to Radio Systems, Incorporated, Cleveland, Ohio. Station selector and recording system for radio service. 2,656,522, Oct. 20.

Philipps, Thomas E., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Battery plate separator. 2,653,985, Sept. 29.

Philipps, Thomas E., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Battery plate separator. 2,653,985, Sept. 29.

Philipps, Thomas E., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Mineral fiber mat and making same. 2,664,376, Dec. 29.

Philips Laboratories, Inc., assignee: *See*—
Espersen, George A.
Hamacher, Edward A., and Lowitzsch.
Haydon, Arthur W.
Koppius, Otto G.
Jamison, Noel C., and Kohler.
Muller, Hendrik L., and Bouwman.
Poliakoff, Theodore E.
Rittner, Edmund S., and Fine.
Van Gessel, Karel M.

Philips, Osborne D., Bronxville, assignor, by mesne assignments, to Flexigrip, Inc., New York, N. Y. Combined slide fastener. 2,637,086, May 5.

Phillippi, Matthew H., assignor of twenty-four per cent each to C. V. Welty and H. L. Fischer, St. Paul, Minn. Display sign and making the same. 2,625,967, Jan. 13.

Phillips, Arthur H., assignee: *See*—
Swinamer, Robert A.

Phillips, Arthur P.: *See*—
Castillo, Julio C., and Phillips.

Phillips, Arthur P., New York, and J. C. Castillo, White Plains, assignors to Burroughs Wellcome & Co., (U. S. A.) Inc., Tuckahoe, N. Y. Quaternary salts of γ-stilbazolines. 2,655,503, Oct. 13.

Phillips, Bernard C., assignor to The Tillotson Manufacturing Company, Toledo, Ohio. Charge forming device. 2,656,167, Oct. 20.

Phillips, Campbell C., Dayton, Ohio. Closure remover with container gripping means. 2,651,957, Sept. 15.

Phillips, Carleton A., Corning, and W. B. Sanford, Painted Post, N. Y. Saw sharpener. 2,646,697, July 28.

Phillips, Charles S., London, England. Padded metal article. 2,625,931, Jan. 20.

Phillips, Cyril H. J. V.: *See*—
Vnhey, Llewellyn, and Phillips.

Phillips, Dwight M., Placentia, assignor to Corona Clipper Company, Corona, Calif. Clipper construction. 2,650,423, Sept. 1.

Phillips, Fae C., Fort Wayne, Ind., assignor to International Harvester Company. Combined hinge and latch. 2,656,562, Oct. 27.

Phillips, Fred C., Stoughton, Mass. Calk for golf shoes. 2,624,128, Jan. 6.

Phillips, Freeman J.: *See*—
Pakkala, Matti H., and Phillips.

Phillips, Harold P.: *See*—
Anderson, Hugo, and Phillips.

Phillips, Harold P., assignor to Hastings Manufacturing Co., Hastings, Mich Piston ring. 2,638,303, May 12.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,640,474, June 2.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,648,582, Aug. 11.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,650,144, Aug. 25.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston knurling machine. 2,651,953, Sept. 15.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,652,044, Sept. 15.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Machine for knurling pistons. 2,653,495, Sept. 29.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and elements thereof. 2,656,230, Oct. 20.

Phillips, Harold P., and H. F. Anderson, assignors to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,640,746, June 2.

Phillips, Harold P., and R. J. L. Dutterer, assignors to Hastings Manufacturing Company, Hastings, Mich. Spark plug. 2,648,320, Aug. 11.

Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for coating back seams of shoe uppers. 2,652,021, Sept. 15.

Phillips, Harry, Winston-Salem, N. C. Fishing reel. 2,637,507, May 5.

Phillips, Harry A., Chicago, Ill. Pilot controlled multiple valve assembly. 2,641,281, June 9.

Phillips, Henry W.: *See*—
Auchincloss, Samuel S., and Phillips.

Phillips, Herbert J., Jr., Kaneville, Ill. Baler tension adjusting mechanism. 2,628,554, Feb. 17.

Phillips, Howard: *See*—
McKinley, John A., Phillips, Siciliano, and McNeice.

Phillips, Joe, Fairfax, and V. L. Payne, Plant City, Shawmut, assignors to West Point Manufacturing Company, Shawmut, Ala. Method and machine for producing unwoven fabrics. 2,648,876, Aug. 18.

Phillips, John E., Jr., Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Drying wound packages. 2,635,352, Apr. 21.

Phillips, John J.: *See*—
Schwester, Daniel P., and Phillips.

Phillips, John J., and A. F. Darey, Irvington, assignors, by mesne assignments, to Titeflex, Inc., Newark, N. J. Flexible hollow pipe wave guide. 2,636,083, Apr. 21.

Phillips, John M., Norfolk, Va. Computer shutter cam plate retaining bracket. 2,657,853, Nov. 3.

Phillips, John, Mundare, Alberta, Canada. Agitator for grain cleaners. 2,630,917, Mar. 10.

Phillips, John W., Osgodby, near Lincoln, England. Kite float for the head ropes of fishing nets. 2,638,695, May 19.

Phillips-Jones Corporation, assignee: *See*—
Lawton, Oscar S.
McCreery, Robert W.

Phillips, Lawson H., and G. C. Jones, Jackson, Tenn. Metal working hammer. 2,627,771, Feb. 10.

Phillips, Leonard R.: *See*—
Kurth, Franz J., Phillips, and Waeldner.

Phillips, Leonard R., Teaneck, N. J., assignor to Anemostat Corporation of America, New York, N. Y. Device for delivering air into enclosures. 2,624,262, Jan. 6.

Phillips, Leonard R., Teaneck, N. J., and H. O. Nilsson, Centerport, assignors to Anemostat Corporation of America, New York, N. Y. Apparatus for measuring velocity and temperature of fluids. 2,648,224, Aug. 11.

Phillips, Lester E., Cazadero, assignor of one-half to J. C. Hamilton, Santa Rosa, Calif. Hand-guided motor-driven bark removing plow. 2,660,207, Nov. 24.

Phillips, Lewis H., Marblehead, Mass., assignor to Self-Aligning Bearing Company, Inc. Self-aligning bearing. 2,652,293, Sept. 15.

Phillips Manufacturing Company, Inc., assignee: *See*—
Grinde, George H., and Wolf.

Phillips, Marion W., Kansas City, Kans., assignor to Gustin-Bacon Manufacturing Company. Apparatus for producing fibrous glass. 2,632,287, Mar. 24.

Phillips, Marion W., Kansas City, Kans., assignor to Gustin-Bacon Manufacturing Company. Immersion heater for bushing for fiber glass manufacture. 2,649,487, Aug. 18.

Phillips, Mortimer J., Emmett, Idaho. Adjustable lift chain for hoists. 2,629,625, Feb. 24.

Phillips, Nelson E.: *See*—
Lovell, Wheeler C., and Phillips.

Phillips, Norman W. F., Arvida, Quebec, assignor to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Electrical contact between aluminum and graphite. 2,624,772, Jan. 6.

Phillips, Norman W. F., E. A. Hollingshead, and J. S. Mutchmor, Arvida, Quebec, assignors to Aluminum Laboratories Limited, Montreal, Quebec, Canada. Purifying carbonaceous material. 2,657,118, Oct. 27.

Phillips Petroleum Company, assignee: *See*—
Ackerman, Joseph I., Jr.
Adams, Mark M.
Alleman, Carl E.
Arnold, Philip M.
Aston, John G., and Black.
Axe, William N.
Axe, William N., and Whitney.
Ayers, Arnold L., and Scott.
Bearer, Louis C.
Benedict, Bruce C.
Berg, Lloyd.
Bergman, William E.
Blackburn, Charles W.
Bobo, Roy A.
Bonilla, Charles F.
Brooke, Jesse M.
Bubb, Frank W.
Burgoyne, Edward E.
Burgoyne, Edward E., and Condon.
Cade, George N.
Carney, Samuel C.
Carpenter, Paul G.
Carr, Donald E.
Cines, Martin R.
Cines, Martin R., and Nelson.
Clark, Alfred.
Condon, Francis E.
Condon, Francis E., and Burgoyne.
Cooper, William T.
Crawford, Chester C.
Cromeans, John S.
Crouch, Willie W.
Crouch, Willie W., and Cotton.
Crouch, Willie W., and Howe.
Crouch, Willie W., and Werkman.
Crouch, Willie W., Werkman, and Fanning.
Cruzan, Charles G.
Cutcher, Haskell W., and Ray.
Cutforth, Howard G.
Dean, Maurice R., and de Boisblanc.
De Bisblanc, Desionde R., and Marsden.
De Boisblanc, Desionde R.
De Shazo, Earl L., Jr.

Phillips Petroleum Company, assignee: *See*—Continued.
De Vault, Albert N.
Doan, Richard L.
Dunn, Robert U.
Dutcher, Harris A., and Alleman.
Eberle, Jack F.
Edmunds, Edward, Jr.
Findlay, Robert A.
Fleming, Harold W.
Fox, Homer M.
Freling, Norman N., and Edwards.
Frey, Frederick E.
Friedman, Alvin H.
Garretson, Owen L.
Gilmore, Forrest E.
Goins, Robert R.
Goodhue, Lyle D., and Tissol.
Graham, Benton L.
Graham, Tom S.
Groebe, John L.
Haiderson, Maxwell H., and Morris.
Hammond, Dale V., Shaw, and Miller.
Hebard, Glen G.
Hendrix, Hurshel V.
Hepp, Harold J.
Hillyer, John C., and Ice.
Hillyer, John C., and Smith.
Hillyer, John C., and Wilson.
Himel, Chester M., and Edmonds.
Hintze, Alma J.
Hogan, John P.
Hogard, Rufus W.
Hohnadel, Charles H.
Houston, William L., Jr., and Rawlings.
Howe, John F.
Howe, John F., and Wicklatz.
Hudson, Thomas B.
Hutchinson, William M.
Jennings, Gerald P., and Meade.
Jones, Edward L.
Jones, Rufus V.
Kaveler, Herman H.
Kilpatrick, Myron O.
King, William R.
Kleiss, Louis D.
Koch, Carl W.
Kolthoff, Izaak M., and Dale.
Kolthoff, Izaak M., and Medalia.
Krejci, Joseph C.
Lanning, William C.
Latchum, John W., Jr.
Lea, Peggy J.
Leatherman, Gerald T.
Lynch, Charles S.
MacSporran, Charles.
MacSporran, Charles, and Garretson.
Mahan, John E., and Turk.
Maki, Carl J.
Marhofer, Edwin G.
Marhofer, Edwin G., and Hillyer.
Martin, Tom E., and Edmunds.
Marwil, Stanley J.
Matuszak, Maryan P.
Mayland, Bertrand J.
Mayland, Bertrand J., and Stewart.
McCreary, Elmer J.
McGill, Lemaster C.
McMillan, Fred L., Jr.
McMillan, Fred L., and Wiley.
Middleton, Walter G., and More.
Miller, Alvin J.
Miller, Alvin J., and Groebe.
Miller, Enoch M.
More, Kenneth R., and Middleton.
Morgan, Thomas D.
Morris, William L.
Mutuszak, Maryan P.
Neuhart, Frederick C., and Gohlke.
Oberlin, Lyman M.
Ogilvie, Robert S.
Owen, James R.
Pankratz, Howard J.
Peterson, Glen.
Piety, Raymond G.
Pitzer, Emory W.
Pritchard, James E., and Fryling.
Province, John H.
Pryor, Robert C.
Ray, Gardner C.
Reeves, William B.
Rehrig, Alexander R.
Reynolds, William B.
Reynolds, William B., Wicklatz, and Kennedy.
Ringham, Clarence R., and Simms.
Robinson, Sam P.
Robinson, Sam P., and Goins.
Ronayne, Leo J.
Ryan, Martin A.
Sailors, Howard R.
St. Clair, Theodore A.
St. John, Willard M., Jr.
Schulze, Walter A.
Schulze, Walter A., and Crouch.
Seefluth, Charles L.
Seefluth, Charles L., and St. Clair.
Shaeffer, David W., and Cowell.
Simms, Russell K.
Smith, Fredrick M.
Smith, Frederick M., and Hanmer.
Snow, Robert D.
Sperberg, Lawrence R.
Strunk, Edward.
Studebaker, Merton L.
Studebaker, Merton L., and Crouch.
Trimble, Harold M., McReynolds, and Mitacek.
Thodos, George.
Uraneck, Carl A., and Landes.
Vance, Frank P., Jr.
Vesper, Daniel M., and Edwards.
Waddill, Paul M., and Fowler.
Wagner, Cary R., Axe, and Himel.
Weber, Louis J.
Weedman, John A.
White, Donald H.
Whitney, William B.
Widdowson, John H., and Sailors.
Wiley, Bruce F.
Uraneck, Carl A., and Goertz.
Uraneck, Carl A., and Rothlisberger.

Phillips, Robert A.: *See*—
Frommelt, Horace A. and C. P., and Phillips.

Phillips, Robert A., La Habra Heights, assignor to Lane-Wells Company, Los Angeles, Calif. Contact pin igniter. 2,649,736, Aug. 25.

Phillips, Robert W., University Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Making a hose end coupling. 2,648,123, Aug. 11.

Phillips, Stanley H., Stratford, assignor to The Warner Brothers Company, Bridgeport, Conn. Brassière. 2,629,099, Feb. 24.

Phillips, Stanley L., Parkview Village, Cleveland, assignor to Wedge Protectors, Inc., Cleveland, Ohio. Thread protector. 2,627,877, Feb. 10.

Phillips Tutch-Latch Company, assignee: *See*—
Nottingham, Ralph K.

Phillips, Vernon J., and H. H. Brown, Anderson, S. C. Shuttle binder. 2,637,350, May 5.

Phillips, Virgel E.: *See*—
Frank, Edward J., and Phillips.

Phillips, Washington H., and G. E. Gard, assignors to Armstrong Cork Company, Lancaster, Pa. Recirculation system. 2,657,094, Oct. 27.

Phillips, William E., Drexel Hill, and R. H. Huddleston, Jr., Hatboro, assignors to Leeds and Northrup Company, Philadelphia, Pa. Motor control system and the like. 2,659,850, Nov. 17.

Phillipson, Philip W., Denver, Colo. Reel seat. 2,630,647, Mar. 10.

Phillipson, Philip W., Denver, Colo. Reel seat. 2,656,639, Oct. 27.

Philo, Wesley N.: *See*—
Mottern, Henry O., and Philo.

Philofsky, Harold M.: *See*—
Berberich, Leo J., and Philofsky.

Philpot, John S., Didcot, assignor, by mesne assignments, to National Research Development Corporation, London, England. Interference microscope. 2,660,922, Dec. 1.

Philpott, La Verne R., Washington, D. C. High-frequency signal translation circuit. 2,629,821, Feb. 24.

Philpott, La Verne R., Washington, D. C. Automatic follow-up system. 2,632,138, Mar. 17.

Philpott, La Verne R., Washington, D. C. Calibrating apparatus. 2,643,288, June 23.

Philpott, La Verne R., Washington, D. C. Modulation system for cathode-ray oscilloscopes. 2,648,798, Aug. 11.

Philpott, La Verne R., Washington, D. C. Echo ranging system. 2,654,881, Oct. 6.

Phils, Thomas, New York, N. Y. Lamp having a slidable screen to expose one or the other of two different light sources. 2,656,452, Oct. 20.

Phinney, Delbert E., Sherman, Tex. Thermal coffee cup. 2,661,889, Dec. 8.

Phinney, Edward D., Crestwood, and R. S. Bailey, assignors to International Standard Electric Corporation, New York, N. Y. Amplifier and receiver system. 2,640,917, June 2.

Phinney, John A., Mount Lebanon, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Gasification of carbonaceous solids. 2,654,665, Oct. 6.

Phinney, John A., Mount Lebanon, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Low-temperature distillation of coal. 2,654,698, Oct. 6.

Phinney, Walter R., Versailles, Ind. Crutch spur. 2,631,597, Mar. 17.

Phipard, Harvey F., Jr.: *See*—
Jenney, George E., Jr., Phipard, and Brown.

Phipard, Harvey F., Jr., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Driver for recessed head fasteners. 2,646,829, July 28.

Phipps, Frank A., Avondale, assignor to C. H. Kruse, Kansas City, Mo. Hinge adjusting and bending tool. 2,641,946, June 16.

Phipps, Orville, Adams County, Colo. Core-breaking drill bit for double-flute augers. 2,648,525, Aug. 11.

Phipps, Orville, near Denver, Colo. Percussive drift drill. 2,660,483, Nov. 24.

Phipps, Willis E., Mobile, Ala. Electric stamping system. 2,654,312, Oct. 6.

Phoenix Closet Accessories, Inc., assignee: *See*—
Marks, Saul H.

Phoenix-Gummiwerke A. G., assignee: *See*—
Stegemann, Walter.

Photostat Corporation, assignee: *See*—
Caps, Arthur W.

Photoswitch Incorporated, assignee: *See*—
Giuffrida, Philip.
McFee, Raymond H.
Shaw, Burton E.

Phototypograph Corporation, The, assignee: *See*—
Drillick, Jacob H.

Phrix-Werke, A. G., assignee: *See*—
Torke, Erich, and Matthaes.

Phyfe, James D.: *See*—
Byrd, John, and Phyfe.

Phyl, Joseph, Fanwood, and J. W. Lenehan, Franklin Township, Somerset County, N. J., assignors to Research Corporation, New York, N. Y. Electrical precipitation system. 2,626,676, Jan. 27.

Physics Research Associates, assignee: *See*—
Shaw, Albert E., and Moon.

Physiological Chemicals Company, assignee: *See*—
Ruskin, Simon L.

Pianfetti, John A., South Charleston, W. Va., R. Melvin, Dobbs Ferry, N. Y., and H. H. Earle, Jr., Belle Glade, Fla., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Fumigant compositions containing completely halogenated bromochloromethanes having at least two chlorine atoms. 2,652,337, Sept. 15.

Piano, Dominic A., Chicago, Ill. Coin changer. 2,640,575, June 2.

Pianowski, Leon J.: *See*—
Davis, John V., Chill, and Pianowski.

Piasecki Helicopter Corporation, assignee: *See*—
Meyers, Donald N.
Mosinskis, Vytautas S.
Vanderlip, Edward G.

Platt, Alvin R., Burbank, Calif. Winding and reeling mechanism for electrical cables. 2,629,027, Feb. 17.

Platt, Donald R.: *See*—
Lake, Clair D., Platt, and Weidenhammer.
Lake, Clair D., Wilson, Platt, and Durfee.

Platt, Donald R., and F. B. Porterfield, Endicott, and C. D. Hicks, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Machine for verifying and checking perforated records. 2,645,122, July 14.

Piazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Carton transfer mechanism. 2,625,254, Jan. 13.

Piazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Apparatus for cutting circumferential grooves. 2,630,732, Mar. 10.

Piazze, Thomas E., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Nursing unit assembling tool. 2,643,448, June 30.

Piazzolla, Giovanni, assignee: *See*—
Villa, Carlo, and Morlani.

Picanol, Jaime, Zandberg, Zillebeke-lez-Ypres, Belgium. Weaving loom cloth beam support. 2,638,939, May 19.

Picanol, Jaime, Zandberg, Zillebeke-lez-Ypres, Belgium. Frame construction for weaving looms. 2,642,092, June 16.

Picanol, Jaime, Zandberg, Zillebeke-lez-Ypres, Belgium. Picking shaft for weaving looms. 2,642,093, June 16.

Picanol, Jaime, Zandberg, Zillebeke-lez-Ypres, Belgium. Time-advanced actuating device for weaving loom stop-motions. 2,663,329, Dec. 22.

Picard, John B., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Transmission for rig drives. 2,634,619, Apr. 14.

Picard, John B., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drawworks. 2,650,064, Aug. 25.

Picard, Robert G., Collingswood, N. J., assignor to Radio Corporation of America. Demountable vacuumtight seal. 2,627,580, Feb. 3.

Picard, Robert G., and J. H. Reisner, Collingswood, N. J., assignors to Radio Corporation of America. High-speed microtome. 2,642,774, June 23.

Piccard, John A., Tonawanda, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Molding synthetic linear polyesters. 2,649,622, Aug. 25.

Piccone, Domenic J., Ardmore, Pa., assignor to General Electric Company. Reclosing circuit interrupter. 2,644,046, June 30.

Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Liquid treatment device. 2,643,771, June 30.

Pick, Joseph W.: *See*—
Martin, Carl W., Beck, and Pick.

Pick, Lawrence A.: *See*—
Davis, Howard, Kass, Kelliher, and Pick.

Pickard, Edwin C.: *See*—
Daniels, Howard G., and Pickard.

Pickard, Edwin C., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle body pillar and trim assembly. 2,639,938, May 26.

Pickard, Joseph A., assignor to The Metafiltration Company Limited, Hounslow, England. Means and method for the addition of insoluble comminuted solids to liquids flowing in pipes. 2,660,560, Nov. 24.

Pickard, Willard C., Cedar Rapids, Iowa. Space measuring means. 2,662,292, Dec. 15.

Pickel, James M., Kansas City, assignor to O. C. Rink, Liberty, Mo. Grinding attachment for lawn mower sharpening machines. 2,627,142, Feb. 3.

Pickens, Clifford J., Sr., Cheviot, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Smoke tree. 2,643,777, June 30.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Ball, Jack.

Pickering, George D., Dorchester, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener attaching machine. 2,645,374, July 14.

Pickering, George H., and A. J. Kuffner, Detroit, Mich. Deburring and chamfering tool. 2,657,597, Nov. 3.

Pickering, Ian J., Birmingham, assignor to The General Electric Company Limited, London, England. Welding apparatus and welding system. 2,653,277, Sept. 22.

Pickering, Theodore H., New Rochelle, N. Y., and H. N. Maier, Pottstown, Pa., assignors, by mesne assignments, to National Lead Company, New York, N. Y. Sash construction. 2,643,744, June 30.

Pickert, Mark, Watertown, N. Y., assignor to The New York Air Brake Company. Independent release portion for air brake control valves. 2,645,530, July 14.

Pickert, Mark, Watertown, N. Y., assignor to The New York Air Brake Company. Electric control for independent release portions of air brake control valves. 2,647,021, July 28.

Pickett, Charles F.: *See*—
Rosenfeld, Myer, and Pickett.

Picking, Jay W., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company. Control system. 2,636,692, Apr. 28.

Picking, Jay W., and J. L. Fuller, Cleveland, Ohio, assignors to The Reliance Electric & Engineering Company. Braking system for electric motors. 2,637,007, Apr. 28.

Pickman, Edgard, Schaerbeek-Brussels, assignor to Compagnie Internationale des Pieux Armés Frankignoul, Société Anonyme, Liege, Belgium. Method and device for driving tubular bodies into the ground by means of fluid jets. 2,649,694, Aug. 25.

Pickron, Hugo H., Rock Island, Ill. Vacuum and pressure indicator. 2,646,683, July 28.

Pickwick Company, assignee: *See*—
Pitts, Robert D.

Picon, Josue R., assignor to General Motors Corporation, Detroit, Mich. Windshield wiper. 2,651,800, Sept. 15.

Pictorial Machinery Limited, assignee: *See*—
Linzell, Leslie.
Spriggs, John E.

Picucci, Domenico, Philadelphia, Pa. Tape guiding apparatus. 2,653,559, Sept. 29.

Pidacks, Charles, Spring Valley, and E. E. Starbird, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Recovery of chlortetracycline. 2,655,535, Oct. 13.

Pieczonka, Peter J., Chicago, Ill. Signal device associated with windshield wiper. 2,650,355, Aug. 25.

Piel, Arnold R.: *See*—
Piel, Samuel, F., E. J., and A. R.

Piel, Edward J.: *See*—
Piel, Samuel, F., E. J., and A. R.

Piel, Ferdinand: *See*—
Piel, Samuel, F., E. J., and A. R.

Piel, Samuel, F., E. J., and A. R., Worland, Wyo. Hydraulically operated land leveler. 2,635,367, Apr. 21.

Pielop, William E., Jr., Houston, Tex. Slush pump seal ring. 2,637,606, May 5.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Method of and means for lubricating exhaust-valve shanks in combustion engines. 2,633,111, Mar. 31.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Means for protecting the exhaust valves in internal-combustion engines. 2,633,117, Mar. 31.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Fluid clutch with removable members. 2,633,218, Mar. 31.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Multicrankshaft engine. 2,634,585, Apr. 14.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Frame structure for multicrankshaft engines. 2,634,586, Apr. 14.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Frame structure for multicrankshaft engines. 2,634,711, Apr. 14.

Pielstick, Gustav, Saint-Germain-en-Laye, France. Piston cooling for internal-combustion engines. 2,638,080, May 12.

Pielstick, Gustav, Saint Germain en Laye, France. Multiple valve cylinder head for internal-combustion engines. 2,647,499, Aug. 4.

Piepenbrink, Hans-Frank, Leverkusen-Wiesdorf, and O. Bayer, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Pyrazolone monoazo dyestuffs. 2,634,262, Apr. 7.

Pieper, Alphonse F., Brighton, N. Y. Strand guide. 2,663,516, Dec. 22.

Pierazzuoli, Mario: *See*—
Sesini, Enrico, and Pierazzuoli.

Pierce, Albert D.: *See*—
Wagner, Frederick A., Pierce, and Gedmin.
Pierce, Alfred F., assignor to American Manufacturing Company, Inc., Tacoma, Wash. Sheet stacking mechanism. 2,647,645, Aug. 4.
Pierce, Alfred F., assignor to American Manufacturing Company, Inc., Tacoma, Wash. Sheet charging apparatus. 2,663,434, Dec. 22.
Pierce, Bernell E., Pleasanton, Calif. Fertilizer distributor. 2,657,831, Nov. 3.
Pierce, Clarence, Bagley, Iowa. Duplex windrow harvester. 2,631,421, Mar. 17.
Pierce, Clayton B., Port Chester, assignor to Emerol Manufacturing Co., Inc., New York, N. Y. Apparatus for feeding auxiliary liquids to internal-combustion engines. 2,652,818, Sept. 22.
Pierce, Comer C., Jacksonville, Fla. Tire pressure device. 2,656,094, Oct. 20.
Pierce, Earl W.: *See*—
McDougal, Taine G., Pierce and Bychinsky.
Pierce, Firth, Altadena, Calif. Field-sensitive hydraulic apparatus. 2,651,258, Sept. 8.
Pierce, Fred J.: *See*—
Grunewald, Glen R., and Pierce.
Pierce, Frederick E., Hanover, N. H. Peat milling and handling machine. 2,658,290, Nov. 10.
Pierce, Gaylord I., San Diego, Calif. Sewer pipe cleaning apparatus. 2,641,009, June 9.
Pierce, George W., assignee: *See*—
Murray, Michael F.
Pierce, Harold C., Pomona, Calif. Center filling and bracing of carloads. 2,657,644, Nov. 3.
Pierce, John B., Foundation, assignee: *See*—
Cataldo, John B.
Cataldo, John B., and Cook.
Cataldo, John B., and Tidd.
Da Fano, Ettore.
Hitch, Robert A., and Da Fano.
O'Brien, Joseph F., Cataldo, and Vroom.
Vroom, Kenneth E., and Tidd.
Pierce, John E., Jr.: *See*—
Feigley, Joseph, and Pierce.
Pierce, John R., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Solenoid delay line. 2,638,502, May 12.
Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guided wave frequency range transducer. 2,626,990, Jan. 27.
Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Generation of microwaves. 2,635,206, Apr. 14.
Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency amplifier. 2,636,948, Apr. 28.
Pierce, John R., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Traveling wave electron discharge device. 2,637,001, Apr. 28.
Pierce, Lee D., Fulton, N. Y. Nesting container shells. 2,654,473, Oct. 6.
Pierce, Louis B., Medford, Oreg. File for photographic slides. 2,630,219, Mar. 3.
Pierce, Lowell J., Saugus, Mass., assignor to General Electric Company. Wall cooling arrangement for combustion devices. 2,657,531, Nov. 3.
Pierce, Martin, Aurora, Ill. Receptacle support. 2,639,878, May 26.
Pierce, Orestes A., New York, N. Y. Flying feather toy. 2,663,119, Dec. 22.
Pierce, Raymond C., Chicago, Ill. Draft gear. 2,646,894, July 28.
Pierce, Raymond C., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,650,550, Sept. 1.
Pierce, Richard J., Bellflower, Calif. Car bed and playpen for children. 2,650,374, Sept. 1.
Pierce, Robert E., Seattle, Wash. Ladder structure. 2,639,853, May 26.
Pierce, Robert H., Palatine, Ill., assignor to Radio Corporation of America. Wave shaping circuit. 2,641,649, June 9.
Pierce, Robert L., San Antonio, Tex. Artificial window. 2,654,827, Oct. 6.
Pierce, Russell F., Terre Haute, Ind., assignor, to The Visking Corporation, Chicago, Ill. Method and apparatus for producing film. 2,632,206, Mar. 24.
Pierce, Sam A., Cairo, Ga. Nut cleaning and polishing machine. 2,624,059, Jan. 6.
Pierce, Stanley W.: *See*—
Magill, Donald G., and Pierce.
Pierce, Wallace B.: *See*—
Feeney, Thomas A., and Pierce.
Pierce, William C., New Canaan, Conn., assignor to Emerol Manufacturing Co., Inc., New York, N. Y. Liquid feeding system for internal-combustion engines. 2,643,648, June 30.
Pierce, William J., Southfield Township, Oakland County, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Method of and composition for plating copper. 2,663,684, Dec. 22.
Pierle, Edward W., Cleveland, Ohio. Article support. 2,656,933, Oct. 27.
Pieroni, Bruno, Bronx, N. Y. Oil burner nozzle. 2,643,915, June 30.
Pierre, Emile A., Paris, assignor to l'Electronique Moderne S. A. R. L., Valenciennes, France. Recording and reproducing sound. 2,644,857, July 7.
Pierson, Georges, Neuilly-sur-Seine, France. Pulp molding apparatus having a forming device and a spring-actuated flexible permeable structure. 2,636,422, Apr. 28.
Pierson, Louis A., Meriden, Conn. Glass tube cutter. 2,631,411, Mar. 17.
Pierson, Olof P., Caribou, Maine. Apparatus for peeling vegetables and fruits. 2,631,627, Mar. 17.
Piesbergen, Norman R.: *See*—
Mowry, David T., and Piesbergen.
Pietrafesa, Joseph J., assignor to Jos. J. Pietrafesa Co., Inc., Syracuse, N. Y. Die for cutting coat collar parts. 2,646,120, July 21.
Pietrafesa, Jos. J., Co., Inc., assignee: *See*—
Pietrafesa, Joseph J.
Pietri, Adolph V., Los Angeles, Calif. Valise with permutation lock. 2,637,194, May 5.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Eliminating an undesired component of seismic waves. 2,634,398, Apr. 7.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rotational seismometer. 2,637,839, May 5.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Seismometer. 2,638,578, May 12.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for determining total flow in a borehole. 2,652,720, Sept. 22.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Seismometer. 2,653,306, Sept. 22.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Packing device. 2,654,433, Oct. 6.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for seismic exploration. 2,657,373, Oct. 27.
Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rotational seismometer. 2,659,064, Nov. 10.
Pietz, Ervin, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Shock mount. 2,638,303, May 12.
Pietz, Ervin, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Shock mount. 2,642,252, June 16.
Pietzsch, Frank H., Clayton, assignor to Western Railway Equipment Company, St. Louis, Mo. Draft key retainer. 2,653,505, Sept. 29.
Piezo Crystals Limited, assignee: *See*—
Birt, Arthur W., and Richardson.
Pifer, Marion J.: *See*—
Earl, Howard D., and Pifer.
Pifer, Marion J., Williamsville, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Double gate push-off spindle for phonographs. 2,629,604, Feb. 24.
Pigeon-Hole Parking, Inc., assignee: *See*—
Sanders, Leo K. and V. A.
Pigford, Robert L., Newark, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Ballistics testing instrument. 2,640,355, June 2.
Pigott, Charles R., McComb, Miss. Safety rope socket for well tubes. 2,639,893, May 26.
Pigott, Joseph D.: *See*—
Donoghue, Florence F., Sanderson, and Pigott.
Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Applying cutting liquids. 2,653,517, Sept. 29.
Piitz, John F., Wilmer, Ala. Means for extricating motor vehicles from mudholes. 2,663,503, Dec. 22.
Pijoan, Michel: *See*—
Gerjovich, Henry J., and Pijoan.
Pikal, Harry, Bangor, Mich. Automatically releasable chuck for conveyers and the like. 2,639,799, May 26.
Pike, Charles O.: *See*—
Kline, Max M., and Pike.
Pike, Eugene W., assignor to Raytheon Manufacturing Company, Newton, Mass. Multiplication and division linkage operator. 2,652,978, Sept. 22.
Pike, Harold S., Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Spring contact testing apparatus. 2,626,523, Jan. 27.
Pike, Harold S., Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable guiding apparatus. 2,657,879, Nov. 3.
Pike, Merriom B., New York, N. Y., assignor to Russell M. Seeds Company, Chicago, Ill. Vanity. 2,628,625, Feb. 17.
Pike, Milow W., Omaha, Nebr. Tire chain and chain tightener. 2,639,753, May 26.
Pike, Ralph E., Flint, Mich., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Translucent metallic enamel and a process of making it. Re. 23,722, Oct. 13.
Pike, Ralph E., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Complementary color blending. Re. 23,757, Dec. 22.

Pike, Ralph E., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Complementary color blending. 2,642,404, June 16.
Pike, Ralph E., Rose Valley, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polychromatic coating compositions. 2,662,027, Dec. 8.
Pike, Robert D., Greenwich, Conn. Production of potassium nitrate from wyomingite and sodium nitrate. 2,635,945, Apr. 21.
Pike, Robert D., Greenwich, Conn. Production of sodium sesquicarbonate from crude trona. 2,639,217, May 19.
Pike, Robert D., Greenwich, Conn. Method and system for refrigeration of railroad cars. 2,641,110, June 9.
Pike, Robert D., Greenwich, Conn. Production of concentrated fertilizer by base exchange. 2,642,355, June 16.
Pike, Robert D., Greenwich, Conn. Making nitric oxide. 2,643,936, June 30.
Pike, Robert D., Greenwich, Conn. Making nitric oxide. 2,643,937, June 30.
Pike, Robert D., Greenwich, Conn. Nitric oxide recovery system. 2,647,822, Aug. 4.
Pike, Robert D., Greenwich, Conn. Direct production of steel from oxides of iron. 2,653,088, Sept. 22.
Pike, Robert D., Pittsburgh, Pa. Method of and apparatus for producing nitric oxide. 2,642,338, June 16.
Pike, Robert D., and M. Y. Seaton, Greenwich, Conn., assignors to Food Machinery and Chemical Corporation, New York, N. Y. Mining operation. 2,625,384, Jan. 13.
Pike, William S., Jr., Metairie, La. Electrical control device for scale-model railroads. 2,637,796, May 5.
Piker, Herbert M., assignor to The Hamilton Metal Products Company, Hamilton, Ohio. Spring lock. 2,656,206, Oct. 20.
Pilcher, Harold W., assignor to Deere & Company, Moline, Ill. Rotatable crop feeder with bearings for retracting fingers. 2,633,231, Mar. 31.
Pilet, Eugen, Wimmis, Switzerland. Traveler for transportation of tree trunks and like loads. 2,648,443, Aug. 11.
Pilgram, Walter, Jr., Long Mott, Tex. Signal for automatic vehicle overdrive. 2,633,563, Mar. 31.
Pilgrim, Joseph A., Elberta, Ala. Stump clearing device. 2,631,388, Mar. 17.
Piliero, James, Astoria, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Couch with swingably mounted back rest or pillow support. 2,642,585, June 23.
Piliero, James, Astoria, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Folding back rest for sofa beds. 2,642,586, June 23.
Piliero, James, Astoria, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Foldable bed frame. 2,651,787, Sept. 15.
Piling Limited, assignee: *See*—
Doull, Robert M., and Radonich.
Pilnik, Walter F.: *See*—
Martin, William McK., Pilnik, and Wobbe.
Pilkington Brothers Limited, assignee: *See*—
Barradell-Smith, Richard, and Davison.
Davison, Richard, and Barradell-Smith.
Golightly, Robert H.
Pye, George T., and Jones.
Pilkington, James B., Goldsboro, N. C. Drum series printing machine. 2,631,531, Mar. 17.
Pillsbury Mills, Inc., assignee: *See*—
Coyne, William R.
Gale, Rowland A., and Haigh.
Pilot Manufacturing Company, assignee: *See*—
Gill, John B.
Gill, John B., and Pagendarm.
Pilsner, John F., Roscoe, Tex. Tractor mounted rotary chopper. 2,641,981, June 16.
Pim, Richard A.: *See*—
Hohl, John, and Pim.
Pim, Robert N.: *See*—
McClure, William L., and Pim.
Pimsner, Vincent G.: *See*—
Marks, Robert V.
Pinazza, Giosué, Milan, Italy. Motion converting means. 2,632,331, Mar. 24.
Pinca, Marciano: *See*—
Hernández, Angel E., and Pinca.
Pinckney, George E., Bridgeport, Conn., and P. R. Haskell, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Magazine plug for firearms. 2,635,378, Apr. 21.
Pincus, Gregory: *See*—
Jacobsen, Robert P., and Pincus.
Pinderhughes, William, Baltimore, Md. Electric door lock. 2,653,045, Sept. 22.
Pine, Cecil C., Lake Ronkonkoma, and C. L. Sharp, Setauket, N. Y., assignors to The Sperry Corporation. Safety device for instrument approach systems. 2,654,086, Sept. 29.
Pine, Julius, assignor to Sedgwick Furniture Corp., Brooklyn, N. Y. Display support. 2,637,444, May 5.
Pine, William S., Los Angeles, Calif. Hydraulic jack. 2,654,568, Oct. 6.
Pine, William S., Los Angeles, Calif. Hydraulic jack. 2,664,073, Dec. 29.
Pineles, Bernard M., Hamilton, and J. J. Brophy, Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Forming removable protective coverings. 2,634,216, Apr. 7.
Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.
Pines, Herman, assignor to Universal Oil Products Company, Chicago, Ill. Production of hydrocarbon conjunct polymers. 2,632,777, Mar. 24.
Pines, Herman, Chicago, and J. A. Vesely, Evanston, assignors to Universal Oil Products Company, Chicago, Ill. Haloalkylation of thiophenes. 2,625,553, Jan. 13.
Pines, Herman, Chicago, and J. A. Vesely, Evanston, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of polyhydric phenols and ethers of polyhydric phenols. 2,625,570, Jan. 13.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Di-(alkylphenyl)-alkenes. 2,625,571, Jan. 13.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Hydrogen transfer process. 2,645,669, July 14.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of polyalkylated aromatic hydrocarbons. 2,645,670, July 14.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Dehydrogenation of a cycloolefinic hydrocarbon containing a geminal carbon atom. 2,661,381, Dec. 1.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Noncatalytic condensation of aromatic compounds with unsaturated organic compounds. 2,663,724, Dec. 22.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Dehydrogenation of a naphthenic hydrocarbon containing a geminal carbon atom. 2,663,746, Dec. 22.
Pingel, Henry C.: *See*—
Bitzer, Gottlob, Pingel, and Fegley.
Pings, Wilbur B.: *See*—
James, Raymond W., and Pings.
Pinkas, David, Norwalk, Conn. Dispensing cigarette case with igniter support means. 2,625,262, Jan. 13.
Pinkel, Robert H., Chicago, Ill. Extensometer for testing metal objects. 2,651,196, Sept. 8.
Pinkham, Clarence A., Douglaston, and B. Holohan, Kew Gardens, assignors to Nelpin Manufacturing Co., Inc., Long Island City, N. Y. Needle threading device. 2,625,307, Jan. 13.
Pinkney, Paul S.: *See*—
Barney, Arthur L., and Pinkney.
McGrew, Frank C., and Pinkney.
Pinkney, Paul S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dilute alkali dispersible hot melt bookbinding adhesives. 2,657,189, Oct. 27.
Pinkney, Paul S., and R. H. Wiley, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Curing of polyethylenes. 2,628,214, Feb. 10.
Pinkston, Murlin L., Fort Worth, Tex. Motor mount for power tools. 2,631,800, Mar. 17.
Pinner, Vernon G.: *See*—
Haythornthwaite, James J., and Pinner.
Pino, Manuel A., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Separation of isophthalic and terephthalic diesters. 2,656,377, Oct. 20.
Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Terminal for wristbands for watches. 2,627,638, Feb. 10.
Pinsuti, Giuseppe F., New York, N. Y. Garment seat cushion. 2,637,032, May 5.
Pinter, George E., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Flywheel magneto. 2,652,504, Sept. 15.
Pinto, Michael, assignor to Douglas Tool Company, Detroit, Mich. Shear cutter. 2,649,648, Aug. 25.
Pioli, Raymond, Floral Park, assignor to Silmar Foundations, Inc., New York, N. Y. Brassière. 2,634,419, Apr. 14.
Pioneer Development Co., assignee: *See*—
Wood, Vollmer V., and Bigué.
Pioneer Fencing Co., Inc., assignee: *See*—
Hoen, Kenneth H., and Archer.
Pioneer Gen-E-Motor Corporation, assignee: *See*—
Boyce, Eugene L., and Burrows.
Pioneer Sand and Gravel Company, assignee: *See*—
Ausland, Le Roy J.
Pioneer Specialty Company, assignee: *See*—
Carlson, Emil.
Geyer, Eugene P.
Gosline, Frederick V.
Pioneer Suspender Company, assignee: *See*—
Easlick, Lloyd H.
Pioneer Trust & Savings Bank of Chicago, trustee, assignee: *See*—
MacLagan, James A., and Walsh.
Pipe Machinery Company, The, assignee: *See*—
Benninghoff, William L., and Robertson.
Pipelife, Inc., assignee: *See*—
Curtis, Arvel C.
Pipe Line Service Corporation, assignee: *See*—
Robertson, Evans.

Piper, Charles A., Detroit, and L. R. Brown, Royal Oak, assignors to Bendix Aviation Corporation, Detroit, Mich. Digitizer. 2,631,778, Mar. 17.

Piper, Donald M.: *See*—
Browne, Paul W., and Piper.

Piper, Douglas E.: *See*—
Henn, Richard W., and Piper.

Piper, Eugene E., assignee: *See*—
Walker, Ronald W.

Piper, Frank R., and J. M. Gardner, Fairfax, assignors to West Point Manufacturing Company, Shawmut, Ala. Tensioning apparatus. 2,663,118, Dec. 22.

Piper, Glenn T., assignor to The Hoover Company, North Canton, Ohio. Absorption-refrigerating apparatus. 2,649,700, Aug. 25.

Piper, Ronald N., Epsom, assignor to Powers-Samas Accounting Machines Limited, London, England. Apparatus for cutting lengths from a web of paper, cardboard, or similar material. 2,640,539, June 2.

Piper, William E., Wilmington, Del., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Manufacture of smokeless powder. 2,655,694, Oct. 20.

Piperoux, Rene P., Radburn, N. J., assignor to Celanese Corporation of America, New York, N. Y. Apparatus for forming pellets of plastic material. 2,653,350, Sept. 29.

Piperoux, Rene P., Radburn, N. J., and D. B. Hertz, New York, and W. P. Moeller, Baldwin, N. Y., assignors to Celanese Corporation of America. Moving-fluid-stream pulverizing apparatus with screened discharge. 2,628,786, Feb. 17.

Pipher, George J., assignor to Willson Products, Inc., Reading, Pa. Protective hood. 2,641,768, June 16.

Pipic, Sylvester G., Sappington, assignor to Ritepoint Co., St. Louis, Mo. Refill unit for ball-point pens. 2,652,032, Sept. 15.

Pipkin, Marvin, Cleveland Heights, Ohio, assignor to General Electric Company. Method for forming silica and for coating lamp bulbs. 2,626,874, Jan. 27.

Pippin, Lester H., Hinsdale, Mont. Level. 2,627,115. Feb. 3.

Piqué, Baudilio J., Marianao, Habana, Cuba. Hydrodynamic transmission. 2,628,509, Feb. 17.

Piquet, André: *See*—
Touraton, Emile, Piquet, and Dumousseau.

Pirard, Roger, La Ferriere-sur-Risle, France, assignor of fifty percent to J. V. Sparks, Austin, Tex. Shock absorber, especially for automotive vehicles. 2,646,860, July 28.

Pirelli Societa per Azioni, assignee: *See*—
Bedini, Nerino.
Boschi, Antonio.
Sesini, Enrico, and Pierazzuoli.

Pirie, Norman W.: *See*—
Hadidian, Zareh, and Pirie.

Piros, John J., Homewood, assignor, by mesne assignments, to Sinclair Research Laboratories Inc., Harvey, Ill. Laboratory flash still for heavy oils. 2,642,386, June 16.

Piros, John J., Homewood, assignor, by mesne assignments, to Sinclair Research Laboratories Inc., Harvey, Ill. Fluid flow control. 2,664,111, Dec. 29.

Pirson, Ewald: *See*—
Nitzsche, Siegfried, and Pirson.

Pirszel, Zdzislaw L., Forest Hills, N. Y. Woman's diary and marital calculator. 2,650,764, Sept. 1.

Pirwitz, Friedrich A. G., Rochester, G. P. Pirwitz, Irondequoit, J. H. Sutton, and G. H. Schlueter, assignors to Wollensak Optical Company, Rochester, N. Y. Photographic shutter with synchronizer. 2,627,215, Feb. 3.

Pirwitz, Gustave P.: *See*—
Pirwitz, Friedrich A. G. and G. P., Sutton, and Schlueter.

Pirwitz, Gustave P., Irondequoit, assignor to Wollensak Optical Company, Rochester, N. Y. Photographic shutter with synchronizer. 2,627,214. Feb. 3.

Pistey, John M., Fairfield, Conn., assignor to General Electric Company. Lamp locking lampholder for tubular lamps. 2,663,851, Dec. 22.

Pitavy, Pierre F. M., Chalon-sur-Saone, assignor to Societe Anonyme dite: Societe Industrielle de Ferbianterie, Paris, France. Glass lifting mechanism for hurricane lamps. 2,654,829, Oct. 6.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft sustaining rotor blade with airflow control. 2,638,990, May 19.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Control mechanism for jet driven aircraft sustaining rotor blades. 2,638,991, May 19.

Pitinsky, Morris, Eatontown, N. J. Low voltage neon shorts tester. 2,645,754, July 14.

Pitler, Richard K., Menands, N. Y., assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Titanium base alloys. 2,640,773, June 2.

Pitman, Henry L., Melbourne, Fla., assignor to Underwood Corporation, New York, N. Y. Automatic clear sign printing mechanism. 2,655,311, Oct. 13.

Pitner, Alfred, Paris, assignor to Societe dite: Societe Anonyme des Roulements a Aiguilles, Levallois-Perret, France. Spindle bearing. 2,631,070, Mar. 10.

Pitner, Alfred, Paris, assignor to Société dite: Societe Anonyme des Roulements a Aiguilles, Rueil Malmaison, France. Flat bearing means. 2,651,552, Sept. 8.

Pitner, Lloyd E., Milwaukee, Wis. Machine for applying binding tape to books. 2,634,438, Apr. 14.

Pitner, Lloyd E., Milwaukee, Wis. Binding books. 2,645,795, July 21.

Pitney-Bowes, Inc., assignee: *See*—
Baptist, Victor P.
Calhoun, Samuel E., and Miller.
Herrick, William W., and Burckhardt.
La Bore, Walter T.
Rouan, Francis J., Hanson, and Russell.

Pitometer Log Corporation, assignee: *See*—
Corbin, Francis L.

Piton, Victor E., Chesterton, Ind. Foldable shelf. 2,662,645, Dec. 15.

Pitrot, Adrian R.: *See*—
Kebrich, Leonard M., and Pitrot.

Pitt, Arnold: *See*—
Knight, Lorne F., and Pitt.

Pitt, Frances J., New York, N. Y. Process of ornamental dyeing. 2,629,647, Feb. 24.

Pitt, Harold M., Torrance, and W. Boggs, Redondo Beach, Calif., assignors to Stauffer Chemical Company. Manufacture of perchloromethyl mercaptan. 2,647,143, July 28.

Pitt, Raymond G., Chicago, Ill. Hanger for supporting elongated objects. 2,643,079, June 23.

Pittenger, Howard R., Jr., Somerville, and J. D. Verschoor, Martinsville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Radiant heat exchange and acoustical structure for buildings. 2,660,409, Nov. 24.

Pittinger, Abraham L., China Lake, Calif. Explosion-proof acoustic device. 2,655,566, Oct. 13.

Pittman, Glen R.: *See*—
Tucker, Warren R., and Pittman.

Pittman, Harrison V., Little Rock, Ark. Sod planting machine. 2,661,708, Dec. 8.

Pittman, Kenneth F., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Indirect instrument illumination. 2,654,020, Sept. 29.

Pittman, Walter F., Kenly, N. C. Bearing. 2,628,136, Feb. 10.

Pitts, Robert D., assignor to Pickwick Company, Cedar Rapids, Iowa. Poultry scalding apparatus. 2,651,807, Sept. 15.

Pitts, William A., and C. M. Carothers, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Marine transfer ramp. 2,641,785, June 16.

Pitts, William C.: *See*—
Rudy, John L., and Pitts.

Pitts, William E., Bloomington, Ind. Telescoping piston type lifting jack. 2,625,135, Jan. 13.

Pittsburgh Coke & Chemical Company, assignee: *See*—
Bruno, Anthony J., Jr.
Orochena, Salvador F.

Pittsburgh Consolidation Coal Company, assignee: *See*—
Gorin, Everett.
Lesher, Carl E.
Neuworth, Martin B.
Phinney, John A.
Reichl, Eric H., and Safford.

Pittsburgh Corning Corporation, assignee: *See*—
Baker, Arvid H.
Clever, William R., and Phalin.

Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.

Pittsburgh Engineering and Machine Company, assignee: *See*—
Leckrone, Roy J.

Pittsburgh-Erie Saw Corporation, assignee: *See*—
Valiquet, Albert D.

Pittsburgh Pipe Cleaner Company, assignee: *See*—
Lang, Walter S., and Robinson.
Robinson, Kyle I.

Pittsburgh Plate Glass Company, assignee: *See*—
Arndt, Rudolph P.
Faelten, Carl R.
Freiberg, James M.
Gerhart, Howard L.
Gloyer, Stewart W.
Gloyer, Stewart W., and Vogel.
Hohmann, Frederick R.
Lytle, William O.
Parker, Earl E.
Phalin, Harry O.
Saunders, Arnold E.
Schultheis, Louis J.
Vogel, Henry A.

Pityo, Albert F., Clifton, N. J. Apparatus for cutting wire and butt welding the same to an element. 2,644,069, June 30.

Pitz, Adolph G., Bridgeport, Conn. Combined paint can holder and brush support. 2,626,737, Jan. 27.

Pitzer, Emory W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alumina-metal oxide dehydrogenation catalyst and its preparation. 2,638,455, May 12.

Pitzner, Alwin F., assignee: *See*—
Tansey, John H.

Piwczynski, Edward F., and R. Galinski, New Britain, Conn. Glare filter. 2,632,669, Mar. 24.

Piwczynski, Edward F., and R. Galinski, New Britain, Conn. Glare eliminating device for rearview mirrors of motor vehicles. 2,639,641, May 26.

Pixley, William I., University City, Mo. Variable pitch V-belt sheave. 2,633,752, Apr. 7.

Pizzani, Valentine, New York, N. Y. Tile set tool. 2,630,702, Mar. 10.

Place, Charles I., Norfolk, Conn. Blower wheel construction. 2,637,489, May 5.

Place, Charles I., Norfolk, Conn. Flexible endless belt construction. 2,658,402, Nov. 10.

Placentino, Michael R., Worcester, Mass. Pneumatic vehicle tire inner tube. 2,632,492, Mar. 24.

Placke, Everett H.: *See*—
Goodbar, Mayo A., Placke, and Falkner.

Planamatic Corporation, assignee: *See*—
Oding, Carl A.

Planeaux, Marvin J., assignor to New Castle Products, Inc., New Castle, Ind. Foldable closure. Re. 23,622, Feb. 24.

Planeta, Paul H., East Hampton, Conn. Combination drainer basket and receptacle support. 2,655,267, Oct. 13.

Plank, Charles J.: *See*—
Lukasiewicz, Sigmund J., Denton, and Plank.

Plank, Charles J., and R. C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous hydrocarbon conversion with a silica-alumina-chromium oxide catalyst. 2,647,860, Aug. 4.

Plank, Norris, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif. Concentric pilot valve flow regulator. 2,633,869, Apr. 7.

Plant, Thomas G., San Francisco, Calif. Collapsible baby pen. 2,624,054, Jan. 6.

Plantfeber, Jacobus M.: *See*—
Barton, Robert C., Bergstrom, and Plantfeber.

Plastaket Manufacturing Company, assignee: *See*—
Woock, Walter R. J.

Plastaras, James C., Lynbrook, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. 2,659,479, Nov. 17.

Plastic Inlays, Inc., assignee: *See*—
Larmour, James J.

Plastic Patents, Incorporated, assignee: *See*—
Hoffmann, Eugene H.

Plastic Wire & Cable Corporation, The, assignee: *See*—
McBride, John V.

Plastichem Corporation, assignee: *See*—
Twiet, Daniel K.

Plastodent, Inc., assignee: *See*—
Fink, Arthur.

Plata, Roberto G., Roslyn, and A. Ramos, Maspeth, assignors to A. Viault, New York, N. Y. Apparatus for wrapping one length of material with another. 2,628,464, Feb. 17.

Platis, John: *See*—
Marchand, Joseph A., and Platis.

Platt Brothers and Company Limited, assignee: *See*—
Bassindale, Isaac B.
Szaloki, Zoltan.

Platt, Cort G., Minneapolis, and W. E. Sabatka, St. Paul, Minn. Apparatus for treating surfaces. 2,631,413, Mar. 17.

Platt, George S., Baton Rouge, La. Garbage can holder. 2,650,786, Sept. 1.

Platt, John G., assignor to Flex-O-Lators, Inc., Carthage, Mo. Binding strip for spring mattress structures. 2,651,059, Sept. 8.

Platt, Norman B., Grand Junction, Colo. Stereoscopic plotter. 2,636,416, Apr. 28.

Platt, Samuel, San Francisco, Calif. Folding box locking structure. 2,642,218, June 16.

Platt, Stephen A., Wheaton, Ill., assignor to Wilbur B. Driver Company, Newark, N. J. Apparatus for forming wire coils. 2,653,630, Sept. 29.

Platter, A. V.: *See*—
Corson, Bavard R., and Platter.

Plattner, Placidus: *See*—
Ruzicka, Leopold, and Plattner.

Platts, Benjamin: *See*—
Kaplan, Sol, and Platts.

Platz, Elwood T., assignor to BullDog Electric Products Company, Detroit, Mich. Circuit breaker actuator arrangement. 2,646,488, July 21.

Platzer, Rudolph, assignee: *See*—
Rineer, Arthur E.

Plawner, Felix, Nurnberg, Germany. Wheeled sounding toy. 2,624,154, Jan. 6.

Plax Corporation, assignee: *See*—
Burgess, James Q.
Reber, Clarence G.

Plaziak, Ben, assignee: *See*—
Plaziak, Lawrence.

Plaziak, Felix, assignee: *See*—
Plaziak, Lawrence.

Plaziak, Frank, assignee: *See*—
Plaziak, Lawrence.

Plaziak, John, assignee: *See*—
Plaziak, Lawrence.

Plaziak, Lawrence, assignor of one-fifth to J. Plaziak, one-fifth to F. Plaziak, one-fifth to B. Plaziak, and one-fifth to F. Plaziak, Rice, Minn. Watercraft. 2,634,436, Apr. 14.

Plebanek, Leonard Z.: *See*—
Christeck, Bruno J., and Plebanek.

Plesset, Ernst H., Sherman Oaks, W. R. Elswick, Santa Monica, and P. A. Palmer, Los Angeles, Calif., said Elswick and said Palmer assignors to said Plesset. Fuel burning air heating device. 2,642,858, June 23.

Plessey Company Limited, The, assignee: *See*—
Trowbridge, David R., and Glover.
Webb, Charles D. H.

Plester, Joseph, Coventry, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Baginton, Coventry, England. Tool for shaving down local protuberances. 2,625,860, Jan. 20.

Pletcher, Delmar I., Bakersfield, Calif. Fishing line and lure clamp for fishing poles. 2,627,133, Feb. 3.

Pletscher, Hans, Marthalen, Zurich, Switzerland. Vehicle article holder. 2,634,527, Apr. 14.

Pleydell, Albert and R., Bellerose, and J. F. McIntyre, Flushing, assignors to Flambard, Inc., New York, N. Y. Photographic contact frame. 2,637,255, May 5.

Pleydell, Rose: *See*—
Pleydell, Albert and R., and McIntyre.

Plimmer, Alfred G., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. High-speed spindle construction. 2,641,970, June 16.

Pliske, Berthold H., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Variable ratio transformer. 2,655,636, Oct. 13.

Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Automatic icemaking machine. 2,645,095, July 14.

Ploetz, Ernst, Ludwigshafen-on-the-Rhine, Germany. Producing alkali metal salts of nitrilotriacetic acid. 2,631,165, Mar. 10.

Plos, Otto G.: *See*—
Baur, John W., and Plos.

Plossl, George W., West Springfield, and W. B. Leety, Longmeadow, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Bubble cap fastening means. 2,645,469, July 14.

Plossl, George W., West Springfield, and F. E. Neef, Jr., Longmeadow, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Holding device for bubble caps. 2,658,738, Nov. 10.

Plotin, Lawrence: *See*—
McGraw, Richard F., Plotin, and Alexewicz.

Plotnizky, Andre, New York, N. Y. Cuff link and the like. 2,637,083, May 5.

Plott, Robert F.: *See*—
Howe, John P., Greninger, and Plott.

Plott, Robert F., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vacuum die-casting. 2,637,882, May 12.

Ploubides, John P.: *See*—
Dalton, John N., and Ploubides.

Plough, Harold E., Laporte, assignor of one-half to H. R. Mitchell, Bemidji, Minn. Combined spout and strainer. 2,645,382, July 14.

Plueddemann, Edwin P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of organosilicon compounds. 2,642,447, June 16.

Plumb, Donald M., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Throttle control with automatic governor. 2,640,551, June 2.

Plumb, Edwin W., assignee: *See*—
Javery, William A.

Plumeri, John, and A. L. Reisinger, assignors to Kramer Trenton Company, Trenton, N. J. Producing heat exchange elements. 2,656,808, Oct. 27.

Plummer, Fred L.: *See*—
Fino, Alexander F., and Plummer.

Plummer, John F., Jr., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Thermo-compressor. 2,631,774, Mar. 17.

Plummer, Roy I.: *See*—
Kendall, Thomas L., Bodenhafer, and Plummer.

Plump, Ralph E., Haddonfield, N. J., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Halogenated thiophene pesticide. 2,651,579, Sept. 8.

Plump, Ralph E., Pittsfield, Mass., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparation of mixed aromatic-aliphatic ethers. 2,659,753, Nov. 17.

Plump, Ralph E., Pittsfield, Mass., and J. W. Carroll, Lafayette Hill, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Urea and/or thiourea-aldehyde-sulfite waste liquor condensation product. 2,664,408, Dec. 29.

Plywood Research Foundation, assignee: *See*—
Hallonquist, Earl G.
Meiler, John G., Hallonquist, and Hilton.
Meiler, John G., Hallonquist, and Rauch.
Schubert, Dale L.
Schubert, Dale L., and De Meerleer.

Pneumatic Scale Corporation, assignee: *See*—
Eaton, Lewis B.

Pneumatic Scale Corporation, Limited, assignee: *See*—
Eaton, Lewis B.
Everett, Arthur C.
Howard, Stanley R.
Knobel, Max.
Knobel, Max, and Howard.
Poage, Robert A., Hannibal, Mo. Pneumatic balancing system for tiltable bodies. 2,633,811, Apr. 7.
Pockar, Stanley V.: *See*—
Romans, John F., and Pockar.
Pockman, William W.: *See*—
Walsh, Robert H., and Pockman.
Pocock, Lyndall C., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Compliant supports for transducer diaphragms. 2,646,853, July 28.
Podbielniak, Walter J., assignee: *See*—
Angelo, Nicholas J.
Podbielniak, Wladzia G., assignee: *See*—
Angelo, Nicholas J.
Podhajsky, Theodore A.: *See*—
McElhinney, Eric M., and Podhajsky.
Podnos, Selim S., Washington, D. C., S. J. Odierno, Jr., Rockaway, N. J., and P. H. Thompson, Kirkwood, Mo., assignors to the United States of America as represented by the Secretary of the Army. Fuse. 2,626,568, Jan. 27.
Podolsky, Leon: *See*—
Lubin, Samuel, Atkinson, and Podolsky.
Poe, Howard W., Detroit, assignor to L. W. Westerville, Grosse Pointe, Mich. Fish lure. 2,641,862, June 16.
Poe Machine & Engineering Company, assignee: *See*—
Bebech, Michael J.
Herman, Nathan L.
Poel, Norman C.: *See*—
Nordmark, Walter E., and Poel.
Poen, Ontje G., Matheson, Colo. Parachute toy. 2,630,654, Mar. 10.
Pohatcong Hosiery Mills, Inc., assignee: *See*—
Wendt, Gustav C., and P. C.
Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Prewetting in imbibition printing. 2,648,280, Aug. 11.
Pohland, Albert, assignor to Eli Lilly and Company, Indianapolis, Ind. Benzooxaheterocyclic bases and acid addition salts thereof. 2,633,468, Mar. 31.
Pohle, Eric, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Cathode insulator. 2,641,727, June 9.
Pohle, Herman R., New York, N. Y. Roller device for moving loads. 2,644,691, July 7.
Pohlke, Philip A.: *See*—
Bertram, Leon L., Martin, and Pohlke.
Pohlman, William A., Horicon, Wis. Insect trap. 2,645,877, July 21.
Pohm, George H., Lorain, Ohio, assignor to Lorain Products Corporation. Rectifying arrangement. 2,634,392, Apr. 7.
Pointer, Robert W., assignee: *See*—
Grabinski, Philip.
Pointer-Willamette Company, Inc., assignee: *See*—
Stigum, Tom, and Keerins.
Pointon, John E., assignor to Baker Perkins Limited, Peterborough, England. Baker's swing tray conveyer and like oven. 2,634,693, Apr. 14.
Poitz, Herbert A.: *See*—
Schiermeier, Kanpel F., and Poitz.
Poirette Corsets, Inc., assignee: *See*—
Laguzzi, Mario.
Poirot, Eugene M., Golden City, Mo. Device which aerates water. 2,646,261, July 21.
Poirot, Eugene M., Lawrence County, Mo. Device which aerates water. 2,641,455, June 9.
Poisal, Leo F., Somerset, Pa. Emergency grapple. 2,651,539, Sept. 8.
Poitras, Edward J., Holliston, Mass. Flared exit phlebotomy needle. 2,638,897, May 19.
Poitras, Edward J., Holliston, Mass. Pneumatic signaling. 2,641,689, June 9.
Poitras, Edward J., Holliston, Mass. Electrical switch contact means. 2,647,188, July 28.
Poitras, Edward J., Holliston, Mass. Liquid-vapor phase differential fire and overheat detector and control and system. 2,658,190, Nov. 3.
Poivilliers, Georges J., Neuilly-sur-Seine, France. Apparatus for the restitution of images. 2,647,317, Aug. 4.
Pojman, Louis A.: *See*—
Bohaboy, Edward J., and Pojman.
Pokorny, Frank J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Blow-on contact structure. 2,664,479, Dec. 29.
Pokorny, John M. and L., Jr., Ronkonkoma, N. Y. Sofa bed provided with automatic mattress-clamping means. 2,626,406, Jan. 27.
Pokorny, Louis, Jr.: *See*—
Pokorny, John M. and L., Jr.
Pokorny, Robert J., Westport, Conn. Thermometer clip. 2,636,240, Apr. 28.
Pokorny, Stephen S., Maquoketa, Iowa. Loading mechanism for offset tractors. 2,638,235, May 12.
Pokras, Harry, Los Angeles, assignor of one-half to E. Epstein, North Hollywood, Calif. Fishing lure. 2,625,767, Jan. 20.
Polacco, Etienne, Paris, France. Filter. 2,660,167, Nov. 24.
Polák, Bohumil, assignor to Koh-I-Nóor, Spojene Kovoprumyslove Zavody, narodni podnik, Prague, Czechoslovakia. Push key operated hasp lock. 2,648,966, Aug. 18.
Polakowski, Marian, Chicago, Ill. Instrument for drawing conic sections. 2,660,790, Dec. 1.
Polanin, Walter R., assignor to American Steel Foundries, Chicago, Ill. Brake head arrangement. 2,651,390, Sept. 8.
Polansek, Thomas, assignee: *See*—
Davison, Edward D.
Polansky, Irvin J.: *See*—
Bulmash, Albert, Polansky, and Irby.
Polaroid Corporation, assignee: *See*—
Bachelder, Albert J., and Wolff.
Blout, Elkan R., Campbell, Corley, and Snow.
Blout, Elkan R., Corley, and Snow.
Bornemann, William.
Eloranta, Vaito K.
Fairbank, Murry N.
Hyman, Mark, Jr.
Land, Edwin H.
McCune, William J., Jr.
Rogers, Howard G., and McCune.
Wolff, Otto E.
Wolff, Otto E., and Fairbank.
Poledrelli, Carlo: *See*—
Notarbartolo, Pietro, and Poledrelli.
Polenz, Paul W., La Jolla, Calif. Ship anchor. 2,630,774, Mar. 10.
Polhemus, John T., Peoria, Ill. Automatic poultry waterer. 2,653,572, Sept. 29.
Poliakoff, Theodore E., New York, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Folded Schmidt television projector with color disk. 2,662,111, Dec. 8.
Polianšky, Alejandro, Buenos Aires, Argentina. Sunbeam receiving and reflecting device. 2,646,720, July 28.
Polianšky, Alejandro, Buenos Aires, Argentina. Brake and clutch device. 2,659,021, Nov. 10.
Polier, Frederick F., Sr., Moberly via Golden, British Columbia, Canada. Crosscut saw-set. 2,659,250, Nov. 17.
Poling, Ezra C.: *See*—
Parsons, William F., and Poling.
Poling, Kenneth W., assignee: *See*—
Shelby, Donald E.
Polite, Joseph, Royal Oak, Mich. Hat well. 2,647,665, Aug. 4.
Politsch, Verney G.: *See*—
Labino, Dominick, and Politsch.
Wilske, Julius E., McCormick, and Politsch.
Politsch, Verney G., Alton, Ill., assignor to Owens-Illinois Glass Company. Glass level gauge and recorder. 2,628,428, Feb. 17.
Polivka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Beverage pot with insulated cover handle. 2,626,088, Jan. 20.
Polivka, John N., Minneapolis, and T. S. Zastrow, St. Paul, Minn., assignors to General Mills, Inc. Flatiron cord guide. 2,634,523, Apr. 14.
Polivka, John N., and M. H. Graham, Minneapolis, Minn., assignors to General Mills, Inc. Steam attachment for flatirons. 2,634,524, Apr. 14.
Polivka, Rudolph J.: *See*—
Halvorsen, Russell V., Krause, and Polivka.
Polis, Samuel N., Brooklyn, N. Y. Fishing tackle. 2,655,756, Oct. 20.
Polizzi, Anthony C., Rochester, N. Y. Corsage frame. 2,624,968, Jan. 13.
Polk Development Company, The, assignee: *See*—
Polk, Ralph, Sr., and R. Polk, Jr.
Polk, Ralph, Sr., and Ralph Polk, Jr.
Polk, Isaac H., San Jose, Calif. Machine for freezing packaged products. 2,631,440, Mar. 17.
Polk, Isaac H., San Jose, Calif. Vertical pressure plate food freezing machine. 2,632,312, Mar. 24.
Polk, Laurence N., and J. H. Coulliette, Chattanooga, Tenn. Silicone rubber ironing pad. 2,639,519, May 26.
Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding machine with crush-dressing attachment. Re. 23,739, Nov. 17.
Polk, Ralph, Jr.: *See*—
Polk, Ralph, Sr., and R. Polk, Jr.
Polk, Ralph, Sr., and Ralph Polk, Jr.
Polk, Ralph, Sr., and Ralph Polk, Jr., assignors to The Polk Development Company, Tampa, Fla. Apparatus for the support and sectionizing of citrus fruit. 2,627,884, Feb. 10.
Polk, Ralph, Sr., and R. Polk, Jr., assignors to The Polk Development Company, Tampa, Fla. Apparatus for filling cans. 2,634,893, Apr. 14.
Polk, Ralph, Sr., and Ralph Polk, Jr., Tampa, Fla., assignors, by mesne assignments, to Food Machinery and Chemical Corporation, San Jose, Calif. Citrus fruit juice extracting method and apparatus. 2,649,731, Aug. 25.
Polk, William E., Shreveport, La. Flapping wing toy. 2,637,933, May 12.
Polk, William E., Shreveport, La. Flapping wing toy. 2,637,937, May 12.

Polk, William E., Shreveport, La. Flapping wing toy. 2,637,938, May 12.
Polk, William E., Shreveport, La. Flapping wing toy. 2,637,939, May 12.
Poll, Ray, Chicago, Ill. Ironing board and support therefor. 2,629,950, Mar. 3.
Pollack, Hyman, Bronx County, and D. Brand, Kings County, N. Y. Convertible article of furniture. 2,644,506, July 7.
Pollak, Abraham, Linfield, Pa. Rip fence for saw tables and mountings therefor. 2,651,337, Sept 8.
Pollak, Arthur: *See*—
Aries, Robert S., and Pollak.
Pollak, Christine, Perth Amboy, N. J. Garment hanger. 2,653,738, Sept. 29.
Pollak, Joseph, Corporation, assignee: *See*—
Hasselbaum, Oscar H.
Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Formation of a surface easily wettable by mercury. 2,640,020, May 26.
Pollard, Ernest B., Sherburn, and T. J. Borchardt, Welcome, Minn. Stalk cutter. 2,632,988, Mar. 31.
Pollard & Johnston, assignee: *See*—
Murray, Jerome L.
Pollard, Joseph W.: *See*—
Peters, Robert J., Guenther, and Pollard.
Pollen, Charles F., Winnetka, assignor to M. H. Detrick Company, Chicago, Ill. Furnace arch construction. 2,641,207, June 9.
Polleys, Herbert R., New Haven, Conn., assignor to United States Rubber Company, New York, N. Y. Shoe press. 2,651,061, Sept. 8.
Pollia, Andrew A., San Francisco, Calif. Fitting for connecting pipes. 2,634,140, Apr. 7.
Pollman, Ralph C., Seaford, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Method and apparatus for adding yarn ends. 2,648,891, Aug. 18.
Pollock, Edward W., Kingfisher, Okla. Ventilating metal awning. 2,663,918, Dec. 29.
Pollock, Frank S., Jr., Martinsville, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tandem chuck wind-up. 2,647,697, Aug. 4.
Pollock, Helen, executrix: *See*—
Rachlin, Max.
Pollock, Herbert C., Schenectady, N. Y., assignor to General Electric Company. System and apparatus for obtaining a beam of high energy electrons from charged particle accelerators. 2,640,923, June 2.
Pollock, Howard B., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Odorant for gaseous fuels. 2,625,518, Jan. 13.
Pollock, Mark W.: *See*—
Zerner, Ernst, and Pollock.
Pollock, Robert K., Mansfield, and J. M. Gapstur, Ashland, Ohio, assignors to The Professional Supply Inc. Inflatable dam for arresting bleeding in the internal body cavities. 2,647,515, Aug. 4.
Pollock, S. Wilson, Camp Hill, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Lamp socket. 2,646,554, July 21.
Pollock, Willard M., Short Hills, N. J., assignor to American Type Founders, Inc. Printing press. 2,654,316, Oct. 6.
Pollok, Frederick J., Troon, Scotland, assignor to Imperial Chemical Industries Limited. Thickened aqueous detergent solutions. 2,645,615, July 14.
Polly, Orville L.: *See*—
Cunningham, Orin D., and Polly.
Polly, Orville L., and C. H. O. Berg, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Separation of hydrocarbons. 2,639,782, May 26.
Polomski, John B., Jr., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Self-centering clutch disk. 2,653,692, Sept. 29.
Polomski, John B., Jr., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Braking system. 2,658,592, Nov. 10.
Poloron Products, Inc., assignee: *See*—
Brown, Joseph D.
Polouektoff, Jean P., Paris, France. Servo-control valve for hydrostatic pumps. 2,650,542, Sept. 1.
Polselli, Luigi and S., Philadelphia, Pa. Pin pulling machine. 2,628,070, Feb. 10.
Polselli, Salvatore: *See*—
Polselli, Luigi and S.
Polsky, Nathan H., Levittown, N. Y. Measuring device suitable for diagnostic purposes. 2,661,733, Dec. 8.
Polson, Olien and T. J. Nelson, Chicago, Ill. Window. 2,659,943, Nov. 24.
Polson, Reginald A., Manchester, assignor to Metropolitan Vickers Electrical Company Limited and Vickers-Armstrongs Limited, London, England. Hydraulic power aligning mechanism. 2,629,226, Feb. 24.
Polson, Robert G., Stockton, Calif. Adjustable hinge. 2,657,421, Nov. 3.
Polton, Helen I., Sinclair, assignor of fifty per cent to W. D. Polton, Laramie, Wyo. Educational device. 2,627,672, Feb. 10.
Polton, W. Dean, assignee: *See*—
Polton, Helen I.
Polymer Corporation, The, assignee: *See*—
James, Ralph E., Jr., and Koch.
Montross, Eugene E., and Shurr.
Rahm, Robert C.
Stott, Louis L., and Hervey.
Stott, Louis L., and Shurr.
Williams, Harry L., and Mitchell.
Polymer Corporation Limited, assignee: *See*—
Williams, Harry L.
Polytechnic Institute of Brooklyn, assignee: *See*—
Laemmel, Arthur E.
Polytechnic Research and Development Company Incorporated, assignee: *See*—
Finke, Herbert A., and Sonnenschein.
Gaffney, Francis J., and Finke.
Pomagalski, Jean, Grenoble, France, assignor to D. F. Miller, South Orange, N. J. Endless cable conveyer carrying loads that are suspended or remain in contact with the ground. 2,624,289, Jan. 6.
Pomagalski, Jean, Grenoble, France, assignor to D. F. Miller, Jr., South Orange, N. J. Suspended seating arrangement. 2,631,647, Mar. 17.
Pomelee, Carl S.: *See*—
Schwenzfeier, Carl W., Jr., and Pomelee.
Pomeroy, Harold R., Akron, Ohio, assignor to Kut-Kwick Tool Corp., Brunswick, Ga. Belt drive. 2,640,512, June 2.
Pomeroy, Harry M.: *See*—
De Peau, William H., and Pomeroy.
Pomeroy, Jack L., assignor to Gisholt Machine Company, Madison, Wis. Automatic bottle sealing. 2,652,963, Sept. 22.
Pomeroy, Jack L., Madison, Wis., and W. B. Eddison, Ardsley-on-Hudson, N. Y., assignors to Gisholt Machine Company, Madison, Wis. Machine for applying sealing bands to bottles. 2,630,956, Mar. 10.
Pomeroy, Leland A.: *See*—
Blatz, Valdan C., and Pomeroy.
Pomfrett, John M.: *See*—
St. Louis, James A., and Pomfrett.
Pompeo, Domenick J., Oakland, and J. W. Otvos, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Radiological gas analysis. 2,641,710, June 9.
Pompili, Wilson W., Cleveland, Ohio. Sound chamber for accordion pickup. 2,658,420, Nov. 10.
Poncher, Harold and J. E., assignors to Erie Manufacturing Co., Inc., Chicago, Ill. Grille guard. 2,650,849, Sept. 1.
Poncher, Jerry E.: *See*—
Poncher, Harold and J. E.
Pond, Cecil E., assignor to Ecco, Inc., South Bend, Ind. Computing device. 2,637,498, May 5.
Pond, Harry S., Jr., Mobile, Ala. Air cleaner for internal-combustion engines. 2,648,395, Aug. 11.
Pond, Kenneth H., and F. Rogers, Springfield, Mass. Rolling stool having means to lock it against rolling. 2,625,989, Jan. 20.
Pond, Leander N., assignor to Corning Glass Works, Corning, N. Y. Glass charge distributing apparatus. 2,637,429, May 5.
Ponder, Speers G., and H. M. Brandt, United States Army, assignors to the United States of America as represented by the Secretary of War. Incendiary bomb. 2,630,066, Mar. 3.
Pong Repeater Pistol Company, assignee: *See*—
Griffith, Glen I.
Pons, John A., assignor to Huffman Full Fashioned Mills, Inc., Morganton, N. C. Toe structure for full-fashioned hosiery. 2,663,175, Dec. 22.
Ponsar, Yves, assignor to Etablissements Neyrpic, Grenoble, France. Automatic gate. 2,645,089, July 14.
Ponsar, Yves, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Apparatus for automatically regulating the flow of fluids. 2,646,060, July 21.
Ponstingl, John C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pneumatic timing relay. 2,629,793, Feb. 24.
Ponti, Fermin A., Buenos Aires, Argentina. Box. 2,627,358, Feb. 3.
Pontinc Engraving & Electrotype Co., assignee: *See*—
Schultz, Roy M.
Ponticello, Philip E., Nutley, N. J. Sound reproducing device. 2,635,883, Apr. 21.
Pontillio, Cyril, Kenosha, Wis. Container piercing apparatus. 2,637,898, May 12.
Pontius, Oswald, Frankfurt am Main-Hochst, assignor to Farbwerke Hoechst A. G. vormals Meister Lucius und Brüning, Frankfurt am Main, Germany Syringe casing and stoppered cylindrical ampoule for direct injection. 2,660,168, Nov. 24.
Pontius, Oswald H., assignor to Farbwerke Hoechst A. G. vormals Meister Lucius und Brüning, Frankfurt am Main Hochst, Germany. Surgical ampoule-syringe. 2,642,868, June 23.
Pontrello, Pasquale, Buffalo, N. Y. Differential drive mechanism. 2,630,024, Mar. 3.
Pool, Edward A., New York, N. Y. Shopping establishment. 2,638,636, May 19.
Pool, Frank, Jr., Palo Alto, Calif. Axial indicator. 2,645,024, July 14.
Pool, G. G., assignee: *See*—
Russell, Carl D.

Pool, Leonard P., Allentown, Pa., assignor to Air Products, Incorporated. Gaseous heat exchange. 2,660,038, Nov. 24.

Pool, Stuart D., Moline, and W. F. Collins, Westmont, Ill., assignors to International Harvester Company. Dispensing tank and valve structure. 2,637,979, May 12.

Pool, Stuart D., Moline, and E. M. Van Buskirk, East Moline, Ill., assignors to International Harvester Company. Retractable furrow opener. 2,660,939, Dec. 1.

Poole, Arthur B., Harwinton, assignor to Haydon Manufacturing Company, Inc., Torrington, Conn. Time-delay relay. 2,631,664, Mar. 17.

Poole, Elbridge R., Booneville, Ind. Eyeglass glare shield attachment. 2,640,988, June 9.

Poole, Foster M., and L. C. Paslay, University Park, and J. F. Gaumer, Dallas, Tex.; said Paslay and said Gaumer assignors to said Poole. Densimeter. 2,635,462, Apr. 21.

Poole, George B., Knighton, Leicester, England. Fastening for gates, doors, and the like. 2,644,708, July 7.

Poole, John W.: *See*—
Kalikow, Irving, Willey and Poole.

Poole, Lora E.: *See*—
Nichols, Charles A., Poole, Mahoney, and McShurley.

Poole, Loyd Y., Glendale, Calif. Boring bar. 2,656,742, Oct. 27.

Poole, Michael J., assignor, by mesne assignments, to National Research Development Corporation, London, England. Pulse analyzer. 2,636,983, Apr. 28.

Poole, William J., Evanston, assignor to Container Corporation of America, Chicago, Ill. Frozen food carton with plastic lid. 2,638,261, May 12.

Poole, William M., Aurora, Ill., assignor to Westinghouse Air Brake Company. Selective point detector mechanism. 2,651,714, Sept. 8.

Poor, Carrie E., executrix: *See*—
Poor, Fred M.

Poor & Company, assignee: *See*—
Chester, Allan E.
Grant, John L.

Poor, Fred M., deceased, Seattle, Wash.; C. E. Poor, executrix. Vertical combustion accelerating grate. 2,625,894, Jan. 20.

Poore, Wallace F., Wilmerding, Pa., assignor to Westinghouse Air Brake Company. Apparatus for controlling slip of vehicle wheels. 2,627,432, Feb. 3.

Poore, Wallace F., Wilmerding, Pa., assignor to Westinghouse Air Brake Company. Multiple position fluid pressure motor. 2,630,786, Mar. 10.

Poort, Henry H., and J. H. Shaver, Grand Haven, Mich., assignors to Dake Engine Company. Hydraulic eductor valve. 2,625,797, Jan. 20.

Pope, John H., Hopewell, and N. W. Carter, Petersburg, Va., assignors to Celanese Corporation of America. Apparatus for uncurling fabric edges. 2,650,413, Sept. 1.

Pope, William O., Greenfield, Ind. Automatic binder for hay balers. 2,651,252, Sept. 8.

Pope, William O., Greenfield, Ind. Disassembled gate package. 2,656,040, Oct. 20.

Popick, Aaron, Portland, Oreg. Feed compressing machine. 2,647,474, Aug. 4.

Popino, Robert P.: *See*—
Sokol, Herman, and Popino.

Popow, Mike, Philmont, N. Y. Agitated milk pasteurizer. 2,650,980, Sept. 1.

Popp, Frederick G.: *See*—
McWhirter, Eric M. S., and Popp.

Popp, Lee W., Reading, Pa. Separation of solids from fluids. 2,631,728, Mar. 17.

Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Handle with outlet and switch for portable lamps. 2,653,219, Sept. 22.

Porges, Leo, and S. T. Sawyer, assignors to A. Johnson & Company (London) Limited, London, England. Distributing wax in cemented carbide powders. 2,642,230, June 16.

Portaro, Ross J., Cleveland, Ohio. Bobby pin. 2,650,596, Sept. 1.

Porte, René, assignor to Societe pour l'Union des Transports Ferroviaires et Routiers (U. F. R.), Paris, France. Wheeled vehicles such as semitrailers. 2,634,988, Apr. 24.

Porte, René, assignor to Société pour l'Union des Transports Ferroviaires et Routiers, Paris, France. Scotching arrangement, especially for the scotching of rolling loads on railway trucks. 2,652,003, Sept. 15.

Porter-Cable Machine Company, The, assignee: *See*—
Johnson, Harold R.
Sacrey, Elmer P.

Porter, Carter E.: *See*—
Carlson, Carl S., Biribauer, and Porter.

Porter, Charles W.: *See*—
Russell, Frank C., and Porter.

Porter, Donald C., Bakersfield, Calif. Surveying instrument. 2,636,606, Oct. 27.

Porter, Donald K., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for spacing elongate elements. 2,640,664, June 2.

Porter, Finley R., Jr., Westfield, N. J., assignor to United States Rubber Company, New York, N. Y. Measuring instrument. 2,641,842, June 16.

Porter, Frank, and J. C. Eck, Morris Township, Morris County, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Absorption of carbon dioxide from gases containing the same. 2,649,166, Aug. 18.

Porter, Frederick W. B.: *See*—
Haresnape, John N., and Porter.

Porter, Frederick W. B., and R. P. Northcott, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of petroleum hydrocarbons. 2,640,802, June 2.

Porter, Frederick W. B., and R. P. Northcott, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Recovery of sulfur from sulfur-contaminated metallic catalysts. 2,643,939, June 30.

Porter, Frederick W. B., and R. P. Northcott, Sunbury-on-Thames, assigners to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of petroleum hydrocarbons. 2,648,623, Aug. 11.

Porter, Frederick W. B., and J. N. Haresnape, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Catalytic desulfurization of petroleum hydrocarbons. 2,656,302, Oct. 20.

Porter, George G., Miami, Fla. Cell case partition assembling machine. 2,662,453, Dec. 15.

Porter, Gilbert E., North Hollywood, Calif. Assister for hydraulic brake systems. 2,633,001, Mar. 31.

Porter, H. K., Inc., assignee: *See*—
Ferguson, William H.
Geddes, John W.

Porter, Homer, San Diego, Calif. Spring-finger diaphragm clutch. 2,630,897, Mar. 10.

Porter, Howard C., Fairfield, Ill., assignor to Chefford Master Manufacturing Co. Inc. Diaphragm for pumps. 2,658,526, Nov. 10.

Porter, Kirk E., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Whistling teakettle and handle. 2,624,493, Jan. 6.

Porter, Lee M.: *See*—
Raley, John H., Vaughan, and Porter.

Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middleboro, Mass. Thermostatic control device. 2,627,003, Jan. 27.

Porter, N., Saddle and Harness Company, assignee: *See*—
Diaz, Domingo O.

Porter, Omer J., Sacramento, Calif. Apparatus for earth compaction. 2,624,251, Jan. 6.

Porter, Thomas M.: *See*—
Klein, Charles H., and Porter.

Porter, William G., assignee: *See*—
Lynch, Leslie.

Porter, William H., Phoenix, Ariz. Balanced well pump. 2,660,124, Nov. 24.

Porterfield, Fred B.: *See*—
Platt, Donald R., Porterfield, and Hicks.

Porth, Frank L., Hillside, assignor to The Meyercord Company, Chicago, Ill. Producing reflecting films, decalcomanias, and signs. 2,646,364, July 21.

Porth, Henry W., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Rolling thin sheet metal. 2,642,764, June 23.

Portlance, Napoleon J., Minneapolis, Minn. Simulated motor. 2,660,973, Dec. 1.

Portland Plastics Limited, assignee: *See*—
Leader, Sidney A.

Portwood, Lucile M.: *See*—
Gottshall, Russel Y., Roberts, and Portwood.

Portzer, Lloyd B., and W. C. Leitenberger, Cleveland, Ohio. Electrodeposition of nickel. 2,637,687, May 5.

Porzer, Ralph E., Bloomfield, N. J., and A. P. Baruch, Stamford, Conn., assignors to Celanese Corporation of America. Cellulose propionate gel lacquer composition and applying. 2,652,346, Sept. 15.

Posch, Rudolph A., assignor to W. F. Teague, Kansas City, Mo. Thermal tooth testing instrument. 2,645,097, July 14.

Poschel, Alfred B., assignor to The Meyercord Co., Chicago, Ill. Decorating an uncured rubber article. 2,646,379, July 21.

Poser, Paul, London, England. Dyeing furs. 2,653,075, Sept. 22.

Posey, Elbert H., Asheville, N. C. Dry toilet and sealer. 2,642,579, June 23.

Poskin, Irvin C., Los Angeles, Calif. Cover displacing leg for swingable davenport backs. 2,636,187, Apr. 28.

Posson, Chester A., Chicago, Ill. Variable transmission mechanism. 2,655,819, Oct. 20.

Posson, Donald G., Needham, Mass. Tube cleaning tool. 2,637,865, May 12.

Posson, Donald G., Needham, Mass. Making elastic webbing and product thereof. 2,638,130, May 12.

Posson, Donald G., Needham, Mass. Elastic belt and support therefor. 2,663,027, Dec. 22.

Post, Alexis E.: *See*—
Martin, William McK., and Post.

Post-Glover Electric Company, The, assignee: *See*—
Yingst, Paul V.

Post Machinery Company, assignee: *See*—
Fergnani, Walter P.

Post, Robert, San Andreas, Calif. Steady-rest centering gauge. 2,659,156, Nov. 17.

Post, Stanley J., Banning, Calif. Bedstead. 2,643,396, June 30.

Postans Limited, assignee: *See*—
Arnold, Michael H. M.

Postel, Kenneth I., and J. P. Horvath, assignors to Vickers Incorporated, Detroit, Mich. Rotary pump and motor hydraulic transmission. 2,662,375, Dec. 15.

Postell, James F., Union, assignor to Hanovia Chemical and Manufacturing Company, Newark, N. J. Method and apparatus for irradiating liquids. 2,636,991, Apr. 28.

Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Arrangement for converting direct voltages into alternating voltages. 2,650,340, Aug. 25.

Postmaster General, United States of America as represented by the, assignee: *See*—
Long, Martin L.

Poston, Lester E., Algood, Tenn. Trap hook. 2,649,802, Aug. 25.

Posture Research Institute, Inc., assignee: *See*—
Wood, Glenn D.

Potash Company of America, assignee: *See*—
Douglass, Emory W.
Douglass, Emory W., and Dunn.
Weinig, Arthur J.

Potchen, Joseph A., Grand Rapids, Mich., assignor, by mesne assignments, to Hasko Trays, Inc., Indianapolis, Ind. Serving tray and making same. 2,662,382, Dec. 15.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for making sacks. 2,635,511, Apr. 21.

Potdevin Machine Company, assignee: *See*—
Potdevin, Adolph.

Poteet, Stephen W., Lemay, Mo. Method of and means for cutting tubing. 2,630,174, Mar. 3.

Poth, John, Mount Vernon, N. Y. Refrigerator construction. 2,628,388, Feb. 17.

Potier, Gaston X. N., Versailles, France. Multiplex pulse transmission system. 2,659,768, Nov. 17.

Potier, Gaston X. N., Versailles, France. Double modulated pulse transmission. 2,662,116, Dec. 8.

Pottberg, Rolfe, Loch Raven, Md., assignor to Freeport Sulphur Company, New York, N. Y. Metal surface treatment. 2,650,888, Sept. 1.

Potter and Brumfield Mfg. Co. Inc., assignee: *See*—
Rinke, James F.

Potter, Charles A., Essex, Conn. Feed trough. 2,638,872, May 19.

Potter, Ethel L., St. Louis, Mo. Curtain support. 2,652,155, Sept. 15.

Potter, Frank M., and R. M. Hartman, Rome, assignors to General Cable Corporation, New York, N. Y. Method and apparatus for making wire drawing dies. 2,635,487, Apr. 21.

Potter, George H., assignor of forty-nine per cent to R. D. Wrightam, Pontiac, Ill. Auxiliary fuel supply tank. 2,644,514, July 7.

Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Duplex bearing. 2,632,677, Mar. 24.

Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Sealed bearing. 2,639,954, May 26.

Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Ball bearing. 2,643,165, June 23.

Potter Instrument Co., Inc., assignee: *See*—
Moerman, Nathan A.

Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage and current regulation. 2,628,340, Feb. 10.

Potter, John H., Milwaukee, Wis. Automatic deicer for electrical transmission lines. 2,662,156, Dec. 8.

Potter, John T., Great Neck, N. Y. Electronic memory device. 2,650,830, Sept. 1.

Potter, John T., Port Washington, N. Y. Matrix storage system. 2,624,786, Jan. 6.

Potter, Lee R., Long Beach, Calif., assignor to Southwest Products Co. Self-aligning bearing. 2,626,841, Jan. 27.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visual representation of complex waves. 2,629,778, Feb. 24.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Velocity measuring system utilizing radio technique. 2,634,413, Apr. 7.

Potter, Raymond I., Lorain, assignor to The Standard Oil Company, Cleveland, Ohio. Internal-combustion engine. 2,632,432, Mar. 24.

Potter, Thomas W.: *See*—
Bissell, William T., and Potter.

Potter, Thomas W., Mattoon, Ill., assignor to Journal Box Servicing Corporation, Indianapolis, Ind. Journal box impact head and dust guard structure. 2,637,604, May 5.

Potter, Violet L., assignee: *See*—
Heck, Matthew D.

Potter, William W., and A. J. Fuller, Pawtucket, R. I., assignors to Niles-Bement-Pond Company, West Hartford, Conn. Machine tool drive. 2,658,404, Nov. 10.

Potts, Carl B.: *See*—
Booth, Vilas E., Bergeson, and Potts.

Potts, Doyle S., Billings, Mont. Master link for potato chains. 2,633,228, Mar. 31.

Potts, Ernest L.: *See*—
Brown, Cicero C., and Potts.

Potts, Ernest L., assignor to Brown Oil Tools, Inc., Houston, Tex. Fluid motor having piston actuated pilot valve. 2,642,045, June 16.

Potts, Ernest L., assignor, by mesne assignments, to C. C. Brown, Houston, Tex. Well jar. 2,653,008, Sept. 22.

Potts, Ernest L., and F. L. Scott, Jr., assignors, by mesne assignments, to C. C. Brown, Houston, Tex. Apparatus for pressure testing vessels, such as pipe and the like. 2,633,739, Apr. 7.

Potts, Louis M., deceased, Evanston, Ill., by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Duplex telegraphy system utilizing band compression. 2,640,914, June 2.

Potts, Louis M., deceased, Evanston, Ill., by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Telegraph converter system and apparatus. 2,643,291, June 23.

Potts, Martha W. C., executrix: *See*—
Potts, Louis M.

Potts, Ralph H., La Grange, and R. N. Olson, assignors to Armour and Company, Chicago, Ill. Distillation of fatty acids, tall oil, and the like. 2,627,500, Feb. 3.

Pouchot, Walter D., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion products reaction motor with variable area exhaust nozzle. 2,639,578, May 26.

Pouchot, Walter D., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus with ignition means therefor. 2,640,321, June 2.

Poudreries Reunies de Belgique, Societe Anonyme, assignee: *See*—
Diels, Albert F. M.

Pouell, Harry E., Logansport, Ind. Audible signal attachment for motor vehicle backing lights. 2,632,154, Mar. 17.

Pouit, Robert, Lyon, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Villeurbanne, France. Structure for conveying a fluid at high temperature. 2,645,435, July 14.

Poujade, Jules C. J.: *See*—
Garnier, Michel R., and Poujade.

Poulenc, Pierre, Paris, B. Ganthier, Antony, and G. M. E. A. Kirchhoffer, assignors to Societe: Chimie et Atomistique, Paris, France. Purifying dehydrocholic acid. 2,662,088, Dec. 8.

Poulin, Francis A., Waterville, Maine. Adjustable mount for outboard motors. 2,631,799, Mar. 17.

Poulin, Raymond J., Santa Monica, Calif. Spring propelled toy vehicle. 2,643,484, June 30.

Poulsen, Axel I., Detroit, Mich., assignor to F. H. Johnson. Starter brake for power cycles. 2,638,175, May 12.

Poulsen, Vagn: *See*—
Gynt, Sven E., Poulsen, and Lundqvist.

Poulson, Frank E., assignor to Certified Burglar Alarm Systems, Incorporated, Chicago, Ill. Burglar alarm box. 2,627,065, Jan. 27.

Poulter, John W., assignor to Koehring Company, Milwaukee, Wis. Producing stabilization in soil masses. 2,627,169, Feb. 3.

Poulter, Thomas C., La Grange, Ill., assignor, by mesne assignments, to Institute of Inventive Research, San Antonio, Tex., a trust estate. High explosive disk-shaped charge for seismic exploration. 2,656,003, Oct. 20.

Pound, Denis W.: *See*—
Hartley, Gilbert S., and Pound.

Poupitch, Ouglijesa J., Itasca, assignor to Illinois Tool Works, Chicago, Ill. Double snap molding clip. 2,631,345, Mar. 17.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Molding clip. 2,632,929, Mar. 31.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Lock retainer. 2,633,011, Mar. 31.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Nut cage. 2,633,174, Mar. 31.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Method and machine for assembling washers with fasteners. 2,642,593, June 23.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Washer strip and method and apparatus for producing same. 2,649,125, Aug. 18.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Dash liner clip. 2,650,516, Sept. 1.

Poupitch, Ouglijesa J., Itasca, assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,654,131, Oct. 6.

Poupitch, Ouglijesa J., Itasca, assignor to Illinois Tool Works, Chicago, Ill. Fastener with spreading means. 2,655,072, Oct. 13.

Poupitch, Ouglijesa J., assignor to Illinois Tool Works, Chicago, Ill. Screw shank slotter. 2,657,402, Nov. 3.

Pouradier, Jacques J. L., Bourg-la-Reine, and A. J. Dubois, Bessancourt, France, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for measuring and recording variable quantities. 2,635,463, Apr. 21.

Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Tape for slide fasteners. 2,651,092, Sept. 8.

Pouzet, Georges L., assignor to Compagnie Generale d'Electricite, Societe Anonyme, Paris, France. Making graduated connecting links for diversely insulated electric cables. 2,645,819, July 21.

Powder, Paul F.: *See*—
Graham, Harold J., and Powder.

Powder Power Tool Corporation, assignee: *See*—
Farnsworth, Richard, Erickson, and Webber.
Webber, Charles R., and Erickson.

Powell Announcer Corporation, assignee: *See*—
Smith, Graham P.

Powell, Arthur C.: *See*—
Stout, George P., Powell, and Taylor.

Powell, Burnet J., assignor to Houdaille-Hershey Corporation, North Chicago, Ill. Condenser. 2,646,259, July 21.

Powell, Charles: *See*—
Bennett, Eldred C., and Powell.

Powell, Charles K., assignor to Chestnut Farms-Chevy Chase Dairy Company, Washington, D. C. Egg feeding mechanism. 2,649,186, Aug. 18.

Powell, Edward B., Pasadena, Calif. Shotgun muzzle device. 2,662,326, Dec. 15.

Powell, Edward B., Pasadena, and F. A. Pachmayr, Los Angeles, Calif. Method and apparatus for attaching muzzle devices to guns. 2,662,266, Dec. 15.

Powell, Edward R.: *See*—
Spell, Sidney, and Powell.

Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Expanded perlite insulation and manufacture. 2,625,512, Jan. 13.

Powell, Edward R., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Walking welder. 2,660,655, Nov. 24.

Powell, Everett F., Greenville, assignor of fifty per cent to H. S. Powell, Sandoval, Ill. Fish lure. 2,630,648, Mar. 10.

Powell, George R., assignor of one-half to J. L. C. McFaddin, Beaumont, Tex. Line-attaching device. 2,626,438, Jan. 27.

Powell, Herbert S., assignee: *See*—
Powell, Everett F.

Powell, Jack E., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparation of uranium bromide. 2,635,035, Apr. 14.

Powell, Jonathan S., Jr., South Pasadena, Calif. Apparatus for measuring the specific gravity of a gas. 2,642,738, June 23.

Powell, Paul R.: *See*—
Penn, Julius H., and Powell.

Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing filamentary articles. 2,649,867, Aug. 25.

Powell, Richard C., Oakland, Calif. Regenerative steam power plant in which an extraction turbine supplies steam to desuperheaters which serve to heat feed water. 2,643,519, June 30.

Powell, Robert J., Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Push rod housing structure. 2,657,679, Nov. 3.

Powell, William, Jr., Llanerch, Pa., assignor to Bailey Meter Company. Feed-water control system for steam power plants. 2,643,520, June 30.

Powell, Wilson M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Beam extractor. 2,626,351, Jan. 20.

Powell, Wilson M., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Torque compensated galvanometer. 2,640,866, June 2.

Powell, Wilson M., Berkeley, and H. P. Hernandez, Jr., San Francisco, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Method of and apparatus for stereoscopic recomposing and measuring. 2,635,339, Apr. 21.

Powell, Winfred T., Rochester, N. Y., assignor to Stromberg-Carlson Company. Line finder with differential test relay. 2,661,396, Dec. 1.

Powelson, John C.: *See*—
Borden, Leland A., and Powelson.

Power, Ernest B., Kenton, and E. H. Nelson, Harrow Weald, England, assignors to General Electric Company. Making quartz-to-metal seals. 2,659,964, Nov. 24.

Power, James R.: *See*—
Kalin, Walter, and Power.

Power, William T., New York, N. Y. Combination crib and playpen. 2,651,057, Sept. 8.

Power Brake Equipment Co., assignee: *See*—
Williams, Norman C.
Williams, Norman C., and Fishwood.

Power Brake Parts Manufacturing Company, assignee: *See*—
Neff, Henry W.

Power Equipment Company, assignee: *See*—
Bixby, William H.

Power-Gas Corporation Limited, The, assignee: *See*—
Chaplin, Gilbert.

Power Jets (Research and Development) Limited, assignee: *See*—
Agston, Walter M.
Butcher, Edgar M.
Cohen, Henry.
Dimmock, Norman A.
Feilden, Geoffrey B. R.
Havemann, Hans A.
Howell, Alun R.
Islip, Leonard, and Perry.
Reid, John and E.
Mallinson, Dennis Hainsworth.
McLeod, Roderick C.
McLeod, Roderick C., and Watson.
Nathan, Matthew L.
Robson, Arthur R. D., and Johnstone.
Roesch, Georges H.
Simons, Archie.
Walker, Daniel N.

Powers & Company, assignee: *See*—
Powers, Frank M., T. C., and D. W.

Powers, Cyril E., assignee: *See*—
Jensen, Syvert M.

Powers, David W.: *See*—
Powers, Frank M., T. C. and D. W.

Powers, Dixon D., Houston, Tex., assignor to National Lead Company, New York, N. Y. Chamber closure. 2,636,637, Apr. 28.

Powers, Donald H., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Finishing composition for textile materials. 2,635,056, Apr. 14.

Powers, Felix W., Arcadia, Calif. Kink preventing hose insert. 2,640,502, June 2.

Powers, Felix W., Pasadena, and A. Lundin, Huntington Park, Calif. Defrosting system. 2,628,479, Feb. 17.

Powers, Frank M., River Forest, Ill., and T. C. and D. W. Powers, Philadelphia, Pa., assignors to Powers & Company. Tent. 2,661,010, Dec. 1.

Powers, George S., New Roads, La. Cane gathering device. 2,648,944, Aug. 18.

Powers, James H., Westport, Conn., assignor to General Electric Company. Tandem bearing assembly and lubrication thereof. 2,628,871, Feb. 17.

Powers, James H., Westport, Conn., assignor to General Electric Company. Permanent lubrication system for vertically mounted bearings. 2,637,605, May 5.

Powers, James H., Westport, Conn., assignor to General Electric Company. Food waste comminuting unit. 2,642,233, June 16.

Powers, James H., Westport, Conn., assignor to General Electric Company. Water control for disposal units. 2,654,540, Oct. 6.

Powers, John B., Davis, assignor to The Regents of the University of California, Berkeley, Calif. Photoelectric control circuit. 2,627,347, Feb. 3.

Powers, John B., Newark, and R. E. Bludeau, Denville, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Method of and apparatus for flame spraying polyethylene and other plastics. 2,643,955, June 30.

Powers, John J., University City, Mo. Manufacturing vehicular bodies. 2,634,494, Apr. 14.

Powers, John J., University City, Mo. Utility truck body. 2,636,717, Apr. 28.

Powers, Martina C., M. L., and R. E., Urbana, Ohio. Collar protector. 2,633,576, Apr. 7.

Powers, Mary L.: *See*—
Powers, Martina C., M. L., and R. E.

Powers, Milton A., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Low rate oil flow valve. 2,644,662, July 7.

Powers, Mitchell R.: *See*—
Park, Joseph K., and Powers.

Powers Regulator Company, The, asignee: *See*—
Barnett, Harry.
Barnett, Harry, and Saballus.
Thorburn, David H.

Powers, Robert E.: *See*—
Powers, Martina C., M. L., and R. E.

Powers, Robert F., Warren, Ark. Coin wrapping device. 2,637,960, May 12.

Powers-Samas Accounting Machines Limited, assignee: *See*—
Excell, Arthur W.
Johnson, William E., and Hillen.
Jones, Charles T. A.
Piper, Ronald N.
Thomas, Arthur.
Thomas, Arthur and Rhodes.

Powers, Thomas C.: *See*—
Powers, Frank T., T. C. and D. W.

Poyer, Charles E., Miami Beach, Fla. Leg support. 2,636,550, Apr. 28.

Poynter, Donald B., Cincinnati, Ohio. Tubular building structure. 2,635,303, Apr. 21.

Praeg, Delbert H., Plainfield, N. J., assignor to Sun Chemical Corporation, Long Island City, N. Y. Printing inks. 2,645,622, July 14.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Hobbing machine. Re. 23,752, Dec. 15.

Praeg, Walter S., assignor to National Broach and Machine Company, Detroit, Mich. Gear finishing machine. 2,627,141, Feb. 3.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Crown finishing gears. 2,635,507, Apr. 21.

Praeg, Walter S., Detroit, Mich., assignor, by mesne assignments, to The Fellows Gear Shaper Company, Springfield, Vt. Cutting tool for gear shaping. 2,644,223, July 7.

Praeg, Walter S., Detroit, Mich., assignor, by mesne assignments, to The Fellows Gear Shaper Company, Springfield, Vt. Shaper cutting gears. 2,644,367, July 7.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Broaching machine. 2,644,369, July 7.

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Grinder. 2,656,655, Oct. 27.

Praeg, Walter S., assignor to National Broach and Machine Company, Detroit, Mich. Shaving gears. 2,660,929, Dec. 1.

Praeg, Walter S., Detroit, Mich., assignor, by mesne assignments, to The Fellows Gear Shaper Company, Springfield, Vt. Gear shaping machine. 2,662,449, Dec. 15.

Prager, Majorie E., assignee: *See*—
Prager, Martin.

Prager, Martin, Irvington, assignor of one-half to M. E. Prager, Union City, N. J. Composite bottle. 2,629,508, Feb. 24.

Pramuk, Edward M. B., Whiting, and F. H. MacLaren, Munster, Ind., assignors to Standard Oil Company, Chicago, Ill. Fractionation of oleiferous materials. 2,645,652, July 14.

Pramuk, Edward M. B., Whiting, and F. H. MacLaren, Munster, Ind., assignors to Standard Oil Company, Chicago, Ill. Beam loader apparatus. 2,645,935, July 21.

Prance, Edgar E., Quitman, Ga. Truss. 2,655,149, Oct. 13.

Prance, Stanley R.: *See*—
Waag, Harry O., and Prance.

Prance, Stanley R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Curing rubberlike materials. 2,635,293, Apr. 21.

Prance, Stanley R., and H. J. Reindl, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Conditioning brightening baths. 2,625,468, Jan. 13.

Prang, Harold, Perth Amboy, N. J. Detachable unloader. 2,636,628, Apr. 28.

Prase, Werner, Stuttgart, Germany. Production of insulating panels, door panels, furniture board, or the like. 2,649,135, Aug. 18.

Prasse, Herbert F., Gates Mills, assignor to Thompson Products, Inc., Cleveland, Ohio. Flexible piston ring. 2,645,536, July 14.

Prater Pulverizer Company, assignee: *See*—
Thomas, George F.

Prather, Edwin E.: *See*—
Ainsworth, George O., and Prather.
Long, Richard H., and Prather.

Prather, Edwin E., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,631,702, Mar. 17.

Prather, John B., Yonkers, N. Y. Vessel with turbine for rotating container while heating or cooling. 2,639,897, May 26.

Pratt, Donald P., Pipestone Township, Berrien County, Mich. Cultivator attachment for tractors. 2,636,428, Apr. 28.

Pratt, Donald R.: *See*—
Corbett, Lawrence B., Tatusko, and Pratt.

Pratt, Edmond O.: *See*—
Chaffin, Rafe C., and Pratt.

Pratt, Hei[illegible] Company, assignee: *See*—
Grimm, Carl W.

Pratt, John H., La Crescenta, Calif., assignor to Radio Corporation of America. Scan apparatus. 2,655,628, Oct. 13.

Pratt-Low Preserving Co., assignee: *See*—
Lawrence, Vane.

Pratt, Melvin W.: *See*—
Alborco, Andrew J., and Pratt.

Pratt, Perry W., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Gas turbine power plant with fuel injection between compressor stages. 2,630,678, Mar. 10.

Pratt, Raymond C., Chicago, Ill. Casement blind. 2,631,339, Mar. 17.

Pratt, Raymond C., Chicago, Ill. Closure structure. 2,639,766, May 26.

Pratt Read & Co., Inc., assignee: *See*—
Murdock, Paul F.

Pratt, Russell G.: *See*—
Goodbar, Mayo A., and Pratt.

Pratt, Verneur E., G. F. Gray, and W. A. Pfaff, Jr., Norwalk, Conn. Microfilm camera. 2,633,057, Mar. 31.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Lens mounting and film support for microfilm apparatus. 2,638,812, May 19.

Pravda, Milton F.: *See*—
Swenson, Paul F., and Pravda.

Pray, Earl P., Gering, Nebr. Bolt holding tool. 2,645,960, July 21.

Preble, Andrew Y., and E. K. Hinson, El Centro, Calif. Atmospheric condenser apparatus. 2,644,322, July 7.

Preble, Norman H., Grosse Pointe, Mich., and W. A. Goss, Zanesville, Ohio, assignors to Detroit Harvester Company, Detroit, Mich. Tractor drawbar and drive shaft bearing assembly. 2,640,711, June 2.

Prechel, Elmer G., Springfield, Minn. Automatic self-dumping bale carrier. 2,625,002, Jan. 13.

Precious, Harry H., Wisconsin Rapids, Wis. Fisherman's plier type shot splitting tool. 2,653,332, Sept. 29.

Precious Metals Research Works, Inc., assignee: *See*—
Mintz, Victor W.

Precision Apparatus Co., Inc., assignee: *See*—
Goldberger, Gerald N., and Robinson.

Precision Building System, Inc., assignee: *See*—
Zagray, Harold F.
Zagray, Harold F., and Wack.

Precision Cosmet Company, Inc., assignee. *See*—
Anderson, Albert L., and Holmen.

Precision Diamond Products Ltd., assignee: *See*—
Teather, Harry G.

Precision Gear and Machine Company, assignee: *See*—
Goodgame, Jesse B.

Precision Parts Corporation, assignee: *See*—
Harmon, Paul V.

Precision Rubber Products Corporation, assignee: *See*—
McCuistion, Tommy J.

Precision Thermometer and Instrument Company, assignee: *See*—
Boonshaft, Julius C.

Preckel, Ralph F., Cumberland, Md., assignor to Hercules Powder Company, Wilmington, Del. Desensitized liquid explosives. 2,648,698, Aug. 11.

Preferred Utilities Manufacturing Corp., assignee: *See*—
Sherman, Morris.

Preis, Carl G., Forest Hills, N. Y., and R. E. J. Nordquist, Maplewood, N. J., assignors to American Can Company, New York, N. Y. Mechanism for loading sheet material into magazines. 2,629,502, Feb. 24.

Preisinger, Carl M., Cicero, and J. E. Svabek, Jr., Chicago, Ill. Combination oil fill and vent wall fitting. 2,629,510, Feb. 24.

Preist, Donald H., Mill Valley, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Radio-frequency generator. 2,641,658, June 9.

Preist, Donald H., Tiburon, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Radio-frequency generator. 2,642,533, June 16.

Preist, Donald H., Tiburon, and B. O. Ballou, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Radio-frequency transmission device. 2,641,657, June 9.

Premier Mill Corporation, assignee: *See*—
McLeod, Ian.

Premier Thread Company, assignee: *See*—
Hauser, Frederick L.

Prémillieu, Georges: *See*—
Bidard, Robert, and Prémillieu.

Premo Pharmaceutical Laboratories, Inc., assignee: *See*—
Blackman, Seymour N.

Premoli, Luigi, Milan, Italy. Vehicle spring suspension system. 2,658,748, Nov. 10.

Prendergast, James J., Erie, Pa., assignor to General Electric Company. Fuel oil filter unit. 2,651,418, Sept. 8.

Prendergast, James J., Erie, Pa., assignor to General Electric Company. Fluid supply system. 2,656,927, Oct. 27.

Prendergast, William J., Jr., assignee: *See*—
Dickson, John.

Prener, Jerome S., Schenectady, N. Y., assignor to General Electric Company. Luminescent materials and preparation thereof. 2,636,010, Apr. 21.

Prenosil, Joseph F., Sr., Moorhead, Minn. Manually operated boat propelling mechanism. 2,664,064, Dec. 29.

Prent, Jan, Amsterdam, Netherlands. Device for removing layers of paint. 2,652,104, Sept. 15.

Prentice, G. E., Mfg. Co., The, assignee. *See*—
Legat, Robert C., and Baretta.

Prentice, James M., Holyoke, Mass. Electrical game apparatus. 2,628,101, Feb. 10.

Prentice, John M., assignor to Logan Co., Inc., Louisville, Ky. Side-tilting conveyer. 2,628,697, Feb. 17.

Prentiss Wabers Products Company, assignee: *See*—
Jenson, Kenneth S., and Nelson.
Nelson, Willis N., and Griffin.

Presan Corporation, assignee: *See*—
Bowen, Oliver G.

Prescott, Charles H., Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Implement for use in chemical apparatus. 2,639,074, May 19.

Prescott, Dolores S., Jacksonville, Fla. Maternity garment. 2,642,575, June 23.

Prescott, Herbert L., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,632,879, Mar. 24.

Prescott, Isaac S., Orlando, Fla. Spray gun. 2,640,726, June 2.

Prescott, Norton U., Bath, N. Y. Musical instrument body. 2,660,912, Dec. 1.

Prescott, Thomas G., assignor to Bomac Laboratories Inc., Beverly, Mass. Radioactive primed resonant window for high-frequency discharge devices. 2,652,618, Sept. 22.

Presenz, Cecil S., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vapor detector. 2,654,845, Oct. 6.
Presler, James L., Van Wert County, Ohio. Machine for planting grass and clover seed. 2,652,261, Sept. 15.
Press, Frank, Palisades, assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismic exploration system. 2,654,874, Oct. 6.
Press, Leon, Baltimore, Md. Retainer bearing drawer. 2,653,072, Sept. 22.
Pressed Steel Car Company, Inc., assignee: *See*— Goldberg, Bertrand.
Pressed Steel Company Limited, assignee: *See*— Nolcken, Woldemar G.
Pressler, Philip J., Dearborn, assignor to Whitehead & Kales Company, River Rouge, Mich. Skid arrangement for haulaway vehicles. 2,654,492, Oct. 6.
Pressler, Ralph B., assignor to Bowser, Inc., Fort Wayne, Ind. Meter for industrial liquids. 2,625,914, Jan. 20.
Pressler, Ralph B., assignor to Bowser, Inc., Fort Wayne, Ind. Automatic repeating predetermined stop mechanism. 2,626,104, Jan. 20.
Pressler, Ralph B., assignor to Bowser, Inc., Fort Wayne, Ind. Fluid proportioner. 2,641,271, June 9.
Pressler, Ralph B., assignor to Bowser, Inc., Fort Wayne, Ind. Automatic meter compensating mechanism. 2,653,476, Sept. 29.
Pressnall, Charles A., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash corner joint construction. 2,640,567, June 2.
Presstite Engineering Company, The, assignee: *See*— Ferguson, William C.
Pressure Gauges Limited, assignee: *See*— Grant, Charles R. A.
Presswell, Richard W., Kensington, London, assignor to Telegraph Construction & Maintenance Company Limited, London, England. Electric cable. 2,661,389, Dec. 1.
Prestinari, Eugen F., Short Hills, assignor to Gemex Company, Union, N. J. Display tray. 2,627,344, Feb. 3.
Prestinari, Eugen F., Short Hills, and J. F. Sand, Newark, assignors to Gemex Company, Union, N. J. End-attaching device. 2,648,886, Aug. 18.
Presto Industries, Inc., assignee: *See*— Burreson, Zina.
Prestole Corporation, assignee: *See*— Kost, Harold W.
Preston, John: *See*— Olson, Harry F., and Preston.
Preston, Joseph K.: *See*— Wheeler, Ralph F., Preston, and West.
Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Switch and signal control system. 2,649,536, Aug. 18.
Preston, Samuel J., Hillside, N. J. Automatic score registering ball target. 2,636,739, Apr. 28.
Preston, William M., Lincoln, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Mode filter. 2,632,806, Mar. 24.
Pretorius, Albertus, Pretoria, Transvaal, Union of South Africa. Needle threader. 2,656,080, Oct. 20.
Pretty Products, Inc., assignee: *See*— Timmons, William D.
Pretzer, Bert C., assignee: *See*— Hultgren, Rudolph C.
Prevost, Bruno E., North Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Magnetic separator. 2,636,608, Apr. 28.
Prevost, Bruno E., North Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Short core shaft. 2,638,282, May 12.
Prevost, Perry P., Attica, N. Y. Receptacle supported stationary rest and wiper for milk cans. 2,636,205, Apr. 28.
Prew, Howard A., Providence, R. I., assignor to Pru-Lesco, Inc. Picture frame holder. 2,651,867, Sept. 15.
Preway Inc., assignee: *See*— Jenson, Kenneth S., and Suhr.
Prewitt, Richard H., Wallingford, Pa. Aircraft propeller or rotor. 2,638,170, May 12.
Prey, Dorothy A., Jackson, Mich. Lipstick shaper. 2,625,943, Jan. 20.
Pribil, Richard F., Palos Verdes Estates, D. D. Myers, Inglewood, and R. B. Schreiber, Los Angeles, Calif., assignors to North American Aviation, Inc. Aerodynamic balance control. 2,630,988, Mar. 10.
Pribyl, Edward: *See*— Lott, William, and Pribyl.
Price Brothers & Company, Limited, assignee: *See*— Hill, Harold S.
Price, Claude R.: *See*— Traisman, Edwin, and Price.
Price, Donald F.: *See*— Dunn, Elman R., and Price.
Price, Donald J., Hewlett, N. Y., assignor to Westinghouse Air Brake Company. Quick-acting valve device. 2,625,178, Jan. 13.
Price-Driscoll Corporation, assignee: *See*— Barth, Robert M.
Price, Duane W., Los Angeles, Calif., assignor to Rock-Ola Manufacturing Corp., Chicago, Ill. Amusement game apparatus of the shuffelboard type. 2,656,189, Oct. 20.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,626,690, Jan. 27.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power plant control mechanism. 2,626,691, Jan. 27.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve for advancing trailer brake operation. 2,634,742, Apr. 14.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,634,838, Apr. 14.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,634,839, Apr. 14.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,637,216, May 5.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Switch control mechanism. 2,642,484, June 16.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power-operated hydraulic actuator. 2,654,224, Oct. 6.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Servomotor control valve. 2,654,391, Oct. 6.
Price, Earl R., and T. H. Thomas, assignors to Bendix Aviation Corporation, South Bend, Ind. Booster unit for hydraulic pressure systems. 2,644,305, July 7.
Price, Earl R., and T. H. Thomas, assignor to Bendix Aviation Corporation, South Bend, Ind. Booster unit for hydraulic pressure systems. 2,662,376, Dec. 15.
Price Electric Corporation, assignee: *See*— Gordon, Ralph G.
Price, Emil, Los Angeles, Calif. Gas tank lock. 2,648,970, Aug. 18.
Price, Ernest H., Danville, Ind. Harvester. 2,636,331, Apr. 28.
Price, Garfield C., Gary, Ind. Reversible electrical connector. 2,624,776, Jan. 6.
Price, George C., Battle Creek, Mich. Electrical service mast. 2,625,580, Jan. 13.
Price, George W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Transmission line switch. 2,637,787, May 5.
Price, Harold A., San Francisco, and E. H. Vickery, Oakland, Calif., assignors to The Rucker Company. Tare weight scale. 2,651,518, Sept. 8.
Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,651,948, Sept. 15.
Price, Harold W., Pasadena, Calif., and E. E. Hupp, assignors to Bendix Aviation Corporation, South Bend, Ind. Valve mechanism. 2,648,311, Aug. 11.
Price, Herbert K., and J. L. Taylor, San Francisco, Calif. Coin controlled time alarm device. 2,625,249, Jan. 13.
Price, James F.: *See*— Kellogg, Edward W., Sachtleben, and Price.
Price, James F., Miami, Fla. Combined closure latch and lock. 2,638,370, May 12.
Price, James W., Roanoke, Va. Fracture nail and bone plate. 2,627,855, Feb. 10.
Price, John A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerizable and polymerized compositions comprising an N-alkenyl-o-alkylisourea. 2,654,725, Oct. 6.
Price, John A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerizable compositions comprising an unsaturated quaternary ammonium compound and polymerization products thereof. 2,654,729, Oct. 6.
Price, John A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerizable and polymerized compositions comprising an O-allylisourea. 2,655,493, Oct. 13.
Price, John A., Stamford, W. M. Thomas, and J. J. Padbury, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable and polymerized acrylonitrile compositions. 2,626,946, Jan. 27.
Price, Kenneth G., Inglewood, Calif. Window of the laterally slidable sash type. 2,633,611, Apr. 7.
Price, Lester F., Detroit, assignor to Win-Sum Window Corporation, Van Dyke, Mich. Storm window construction. 2,640,232, June 2.
Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Cooling means for the rotors of gas turbine power plants. 2,659,529, Nov. 17.
Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Inlet ram for power plants. 2,632,295, Mar. 24.
Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fuel system for ram jets. 2,663,140, Dec. 22.
Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Turbine power plant having auxiliary units. 2,638,744, May 19.

Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Compressor and fuel control system for high-pressure gas turbine power plants. 2,653,446, Sept. 29.
Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Gas turbine compressor system. 2,659,528, Nov. 17.
Price, Nathan C., St. Helena, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Aircraft power plant installation. 2,663,517, Dec. 22.
Price, Nathaniel W., White Plains, N. Y. Flexible shoelace fastener. 2,636,237, Apr. 28.
Price, Ralph E.: *See*— Balsiger, Harold E., and Price.
Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Cam grinder. 2,639,559, May 26.
Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Feed control mechanism. 2,657,505, Nov. 3.
Price, Ralph E., Highfield, Md., and H. E. Balsiger, assignors to Landis Tool Company, Waynesboro, Pa. Rotary fluid motor transmission system. 2,663,995, Dec. 29.
Price, Raymond F., Tucson, Ariz. Clothes hanger. 2,640,632, June 2.
Price, Raymond M.: *See*— Roche, Arthur F., and Price.
Price, Rudolph N., Manhasset, N. Y. Apparatus for and method of handling and washing ampoules and vials in packed-lots. 2,658,011, Nov. 3.
Price, Stephen S.: *See*— Cohen, Abraham J., Levine, Caminear, and Price.
Price, Theodore R., Old Greenwich, and R. L. Brown, Noroton Heights, assignors to Electrolux Corporation, Old Greenwich, Conn. Tape dispenser. 2,657,926, Nov. 3.
Price, Vernard L., Chicago, Ill., assignor to Zenith Radio Corporation. Control clip. 2,634,473, Apr. 14.
Price, William E., Sixes, Oreg. Metal forming and welding machine. 2,647,483, Aug. 4.
Price, William M., Towson, Md. Parallel twin-flex spring suspension for two-wheeled vehicles. 2,641,483, June 9.
Price's Patent Candle Company Limited, assignee: *See*— Keogh, Daniel J.
Prickett, Alfred D., Handsworth, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Thermally controlled electric switch. 2,659,787, Nov. 17.
Prickett, Alfred J.: *See*— Machlan, George R., McClary, and Prickett.
Pridham, James E., Parkstone, England. Rotary piston internal-combustion engine. 2,651,177, Sept. 8.
Pridy, Whetstine B., Long Beach, Calif. Slotting pipe. 2,629,164, Feb. 24.
Pridy, Whetstine B., Long Beach, Calif. Machine for perforating pipe. 2,629,920, Mar. 3.
Priebe, Anna D., Kansas City, Mo. Sanitary comfort for colostomy pouches. 2,662,525, Dec. 15.
Priebe, Mayo L., Rochester, Minn. Building suitable for use as tourist lodges and the like. 2,638,635, May 19.
Priem, Martin E., Bristol, Ind., assignor, by mesne assignments, to V. M. Langsett, Chicago, Ill., as trustee. Muptin cross joint in an insulated metal closure. 2,654,452, Oct. 6.
Pries, Rinehard, Fraser, Mich. Masonry block handling device. 2,636,625, Apr. 28.
Priesmeyer, Charles H., Park Ridge, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,630,055, Mar. 3.
Priest, Henry M.: *See*— Beebe, Gerald T., and Priest.
Priest, William F., Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Radio-locator system. 2,638,585, May 12.
Priestley, Bruno S., New York, N. Y. Mechanical suturing device. 2,646,045, July 21.
Priestley, Frederick A., London, England. Edge to edge fastening. 2,651,091, Sept. 8.
Priestley, William E., Kendall, N. Y. Peanut vine pulling machine. 2,660,013, Nov. 24.
Prime Manufacturing Company, assignee: *See*— Kelly, Daniel A. Ridderstrom, Andrew R.
Prime, Nathaniel S., assignor to Maryland Laboratories, Incorporated, Frederick, Md. Method and apparatus for the purification of liquids. 2,660,559, Nov. 24.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Quick response regulating system. 2,631,263, Mar. 10.
Prince, Earl S., Sterling, Ill. Food handling implement. 2,630,082, Mar. 3.
Prince, Gerrit, West Olive, assignor to R. F. Becker, Kalamazoo, Mich. Cultivator attachment for tractors. 2,645,989, July 21.
Pringle, Frank E., Jr., La Grange, Ill., assignor to Sperry Products, Inc., Danbury, Conn. Ultrasonic thickness measuring device. 2,660,054, Nov. 24.
Pringnitz, Harley W.: *See*— Pringnitz, Lloyd H., and H. W.
Pringnitz, Lloyd H., Goodell, and H. W. Pringnitz, Kanawha, Iowa. Clutch and throttle control for balers. 2,654,263, Oct. 6.
Prins, Leendert, Bilthoven, Netherlands. Clock. 2,642,713, June 23.
Printing Equipment Corporation, assignee: *See*— Ferguson, John L., Jr.
Prinz, Rudolf: *See*— Neuhauser, Franz, and Prinz.
Prior, Hector T., London, England, assignor national Standard Electric Corporation, N N. Y. Carrier telegraph system. 2,657,262,
Prior, Roger A., Pittsfield, Mass., assignor to Electric Company. Temperature responsive 2,651,704, Sept. 8.
Prismatic, Inc., assignee: *See*— Jacobsen, Walter E. and W. H.
Prismo Products, Inc., assignee: *See*— Keleher, James J.
Pritchard, Dalton H., Princeton, N. J., assignor Corporation of America. Gating trigger 2,645,713, July 14.
Pritchard, J. F., & Co., assignee: *See*— Spangler, Carl V.
Pritchard, James E., Lafayette, Ind., and C. F. Phillips, Tex., assignors to Phillips Petroleum Polymerization process. 2,640,821, June 2.
Pritchard, Levi T., Tulsa, Okla., assignor to Dry verter Corporation. Cover for high-pressure 2,624,488, Jan. 6.
Pritikin, Nathan, and H. Weinstein, Chicago, Weinstein assignor to said Pritikin. Variable element. 2,632,831, Mar. 24.
Pritzker, George G.: *See*— Adelson, David E., Perry, and Pritzker.
Pritzker, George G., Sausalito, and D. E. Adelson ley, assignors to Shell Development Comp Francisco, Calif. Lubricating composition. Jan. 6.
Pritzker, Lee, Baltimore, Md. Synthetic drying making same. 2,627,479, Feb. 3.
Privett, Herbert L.: *See*— Clarke, Maurice G., and Privett.
Prizer, Beatrice C., executrix: *See*— Prizer, Eugene L.
Prizer, Eugene L., deceased, Escondido, assignor five per cent to J. A. Prizer, Fullerton, per cent to M. Ferguson, Compton, ten to E. D. Boal, Bonita, and ten per cen Burnham, La Jolla, Calif.; B. C. Prizer, Apparatus for introducing soluble agents int 2,646,973, July 28.
Prizer, J. A., assignee: *See*— Prizer, Eugene L.
Probasco, Harold T., Inglewood, assignor to O facturing Company, Inc., Los Angeles, Calif. machine. 2,664,227, Dec. 29.
Prober, Maurice, Schenectady, N. Y., assignor t Electric Company. Polymerizing phenyltri ylene. 2,651,627, Sept. 8.
Probert, William E., Spokane, Wash. Safety 2,645,778, July 21.
Probst, Karl K., Columbus, Ohio. Brake. Nov. 3.
Probst, Warren H., Pasadena, Tex., assignor Development Company, Emeryville, Calif. Co helical liner for vessels. 2,631,015, Mar. 10.
Process Engineers Incorporated, assignee: *See*— Kelly, Earl M. Kelly, Earl M., and Bousman. Kelly, Earl M., and Kivari. Kivari, Arthur M., and Kelly.
Process Gear and Machine Co., assignee: *See*— Klomp, Alfred W.
Processing Equipment Corporation, assignee: *S* Hohl, George I., Weise, Rist, and J. M. Ris
Procos, Steve J., Chicago, Ill. Grapple holder. May 19.
Procter & Gamble Company, The, assignee: *See* Blinka, Joseph, and Peddicord. Brod, John S., and Henry. Head, Robert C. Jackson, Frank L., and Bayer. Lange, Willy, and Baur. Martin, James B. Woodruff, George M., and Heitlage.
Procter, Jack N., assignor to Samuel Jones & Co. London, England. Device for moistening labels and for feeding sheets. 2,639,688, May
Proctor Electric Company, assignee: *See*— Hild, Henry F. Hilldale, John H. Lawser, John J. Stevenson, Robert O., and Turner. Turner, Charles R. Turner, Charles R. and P. G. Vogelsberg, Walter H. Wagner, Robert J., and Hortman.
Proctor, Neil H., Rives Junction, Mich. Joint f rules. 2,655,730, Oct. 20.
Proctor, Ronald R.: *See*— Ellison, Lynn E., and Proctor.
Proctor and Schwartz, Inc., assignee: *See*— Hamilton, John, and Meder. Hartenbach, Henry C., Jr. Hortman, Harvey E., Jr. Hurxthal, Alpheus O. Tiers, Charles S. Wilson, Jack P., and Scott.

Proctor, Sidney E., assignor to Austin Hoy & Company Limited, Aylesbury, England. Locking device for tool-holding or like set-screws. 2,654,410, Oct. 6.
Product Development Engineering Research and Promotion Corporation, assignee: *See*—
Sinereck, Arthur.
Product Development Laboratories, Inc., assignee: *See*—
Ozols, Karlis V.
Production Aids, Inc., assignee: *See*—
Bruce, John K.
Production Control Units, assignee: *See*—
Bruce, Ralph E., and Goebel.
Productive Equipment Corporation, assignee: *See*—
Soldan, Lewis E.
Productive Inventions, Inc., assignee: *See*—
Anderson, John W.
Krohm, Fred A.
Smulski, Theodore J.
Producto Machine Company, The, assignee: *See*—
Marsilius, Newman M.
Products and Licensing Corporation, assignee: *See*—
Charlin, André M. B.
Toulon, Pierre M. G.
Products Machine Company, The, assignee: *See*—
Marsilius, Newman M.
Products Manufacturing Co., Inc., assignee: *See*—
Herrick, Pat H.
Tawney, Chester W., Demarco, and Herrick.
Produx Corporation, assignee: *See*—
Watkins, Arthur S., and Warsack.
Proebstle, Leonard J., Massillon, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Fuel cell supporting enclosure. 2,638,138, May 12.
Proehl, William C., Chicago, Ill. Heating tube for deep fat fryers. 2,655,944, Oct. 20.
Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Disulfoxides. 2,658,038, Nov. 3.
Proetz, Walter R., St. Louis, Mo. Digging tool. 2,638,372, May 12.
Professional Research Products, Inc., assignee: *See*—
Morton, Dudley J.
Professional Specialties, Inc., assignee: *See*—
Lampe, John H., and Watel.
Professional Supply Inc., The, assignee: *See*—
Pollock, Robert K., and Gapstur.
Progress Spring Bed Limited, assignee: *See*—
Raginsky, Harry.
Progressive Products, Inc., assignee: *See*—
Newmark, Marshall F.
Prohaska, James J.: *See*—
Burnett, Alexander H., and Prohaska.
Lager, Eric W., Haase, and Prohaska.
Prohaska, Joseph F., Los Angeles, Calif. Electrolyte level indicating attachment. 2,640,976, June 2.
Properzi, Ilario, Milan, Italy. Machine for the continuous casting of metal rods. 2,659,948, Nov. 24.
Properzi, Ilario, Milan, Italy. Machine for the continuous casting of metal rods. 2,659,949, Nov. 24.
Pro-phy-lac-tic Brush Company, assignee: *See*—
Maynard, Charles E.
Proportioneers, Inc., assignee: *See*—
Lowe, Rudy.
Prosek, John R.: *See*—
Harris, Charles D., and Prosek.
Hinkel, Lester H., and Prosek.
Proskauer, Richard: *See*—
Lyman, Joseph, Barnaby, and Proskauer.
Proske, Robert J., assignor to V. R. Proske, St. Louis, Mo. Automobile spring construction. 2,632,639, Mar. 24.
Proske, Virginia R., assignee: *See*—
Proske, Robert J.
Prosperity Company, Inc., The, assignee: *See*—
Sando, Joseph B., and Gayring.
Pross, George H., Vancouver, Wash. Garden tractor. 2,632,518, Mar. 24.
Prossen, Louis F., Cliffside, N. J., assignor to Celanese Corporation of America, New York, N. Y. Carton. 2,642,183, June 16.
Protection Equipment Co., Inc., assignee: *See*—
Hanson, Edward C.
Protection, Inc., assignee: *See*—
Roth, Herman P., and Lombard.
Protective Coatings Corporation, assignee: *See*—
Kerr, Robert J.
Protectoseal Company, The, assignee: *See*—
Lebus, William A.
Protex Products Company, Inc., assignee: *See*—
Davis, Michael, and Jindela.
Prothers, Lloyd T.: *See*—
Hancock, Robert D., and Prothers.
Prototypa narodni podnik, assignee: *See*—
Divišek, Vladislav.
Protsman, Edward J., Denver, Colo. Damage-resistant key holder. 2,631,449, Mar. 17.
Protz, William F., Manitowoc, Wis. Christmas tree ornament assembly and supporting means therefor. 2,653,216, Sept. 22.
Protzeller, Harry W., Fairmont, Minn., assignor, by mesne assignments, to A. W. Nelson, Park Ridge, Ill. Rail and tie fastening assembly. 2,656,116, Oct. 20.
Prouty, Robert E.: *See*—
Talmadge, Palmer Z., and Prouty.
Provenzano, Gaetano, Haledon, N. J. Cooling system for internal-combustion engines. 2,628,601, Feb. 17.
Province, John H. Oklahoma City, Okla., assignor to Phillips Petroleum Company. Air actuated control system. 2,643,093, June 23.
Province, John H., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Double diaphragm unit. 2,649,843, Aug. 25.
Provine, Robert W.: *See*—
Thompson, Warren L., Provine, and Lawson.
Prowinsky, Joseph H., Washington, D. C. Automatic brake. 2,638,183, May 12.
Prowinsky, Joseph H., Washington, D. C. Tire for bomb trucks. 2,664,296, Dec. 29.
Prowinsky, Joseph H., Washington, D. C., and D. J. Carlson, Vienna, Va. Hand truck. 2,638,236, May 12.
Prucker, Frederick W., Jr., Stafford Springs, Conn. Framing square. 2,652,629, Sept. 22.
Prudden, Theodore M., Hingham, Mass. Lobster plug. 2,635,283, Apr. 21.
Pruellage, Frank J.: *See*—
Machado, Anthony B., and Pruellage.
Pruett, Clarence G.: *See*—
Givens, Reuben H., Jr., and Pruett.
Pruett, Mack M., Faye, Ky. Pendulum-operated swing. 2,627,614, Feb. 10.
Pru-Lesco, Inc., assignee: *See*—
Prew, Howard A.
Prupis, Nathan, assignor of one-half to R. G. Grossman, Seattle, Wash. Illuminated head covering. 2,640,980, June 2.
Pruser, Gustav A., Winters, Tex. Cotton harvesting machine. 2,635,407, Apr. 21.
Prutton, Carl F., New York, N. Y., assignor to The Lubrizol Corporation, Wickliffe, Ohio. Corrosion inhibitors. 2,629,676, Feb. 24.
Prym, Hans A.: *See*—
Koehl, Herman, and Prym.
Pryne, Ralph, Pomona, Calif. Recessed lighting fixture with drop hinged cover. 2,639,368, May 19.
Pryne, Ralph, Pomona, Calif. Electrical fixture. 2,642,241, June 16.
Pryor, Burton L., Dillon, Colo. Blade angling and tilting mechanism for bulldozers. 2,636,289, Apr. 28.
Pryor, James D., Sr., Meridian, Miss. Serving tray cover. 2,631,912, Mar. 17.
Pryor, Robert C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Telescoping bored-plug subcirculation valve. 2,662,548, Dec. 15.
Pryslak, Nicholas E., Florham Park, and K. M. McLaughlin, Summit, N. J., assignors to Radio Corporation of America. Ultrahigh-frequency electron discharge device. 2,647,298, Aug. 4.
Przyborowski, Stanislaus, Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Apparatus for making tubular radiator cores. 2,627,241, Feb. 3.
Przyborowski, Stanislaus, Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Heat exchange conduit for oil coolers. 2,627,283, Feb. 3.
Przyborowski, Stanislaus, Kenmore, assignor to Fedders-Quigan Corporation, Buffalo, N. Y. Automotive type cellular radiator core. 2,652,233, Sept. 15.
Przybylski, Daniel F., Winona, Minn. Excavating shovel digging teeth arrangement. 2,629,945, Mar. 3.
Przybylski, Daniel F., Winona, Minn. Bucket carrying turn post for diggers. 2,655,269, Oct. 13.
Psarris, Alice, Lowell, Mass. Skid preventer for automobiles. 2,647,779, Aug. 4.
Ptak, Raymond H., Cleveland Heights, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Telescopic cylinder assembly. 2,634,587, Apr. 14.
Publication Corporation, assignee: *See*—
Kott, Hermann.
Publicker Industries Inc., assignee: *See*—
Beesch, Samuel C.
Beesch, Samuel C., and Fraser.
Stein, Jacob L.
Pucci, Joseph, assignor to P. B. R. Manufacturing Co., Philadelphia, Pa. Foldable table with automatic locking mechanism. 2,643,926, June 30.
Pucel, Edward L., assignee: *See*—
Schmidt, Edward C., Jr.
Pucher, Leo E., South Euclid, and W. A. Cunningham, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery. 2,640,090, May 26.
Pucher, Leo E., South Euclid, and W. A. Cunningham, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery. 2,640,091, May 26.
Puckert, Esca W., Worthing, England. Pneumatic suction device. 2,657,893, Nov. 3.
Puckman, Hyman, assignor to Hermac International, Ltd., New York, N. Y. Fountain syringe bag. 2,661,741, Dec. 8.
Puerner, Erving A., assignor to Shallcross Controls, Inc., Milwaukee, Wis. Hydraulic steering mechanism. 2,640,322, June 2.
Puerner, Erving A., assignor to Shallcross Controls, Inc., Milwaukee, Wis. Hydraulic servomotor. 2,647,492, Aug. 4.
Puerner, George O., R. J. Aust, and L. Tulauskas, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Lateral timer switch. 2,641,661, June 9.
Pugel, Joseph, Los Angeles, Calif. Clothes rack for vehicles. 2,632,587, Mar. 24.

Pugh, Alexander L., Jr.: *See*—
Marsten, Jesse, and Pugh.
Pugh, Eddie H., Fentress, Va. Fender for disk cultivators. 2,635,520, Apr. 21.
Pugh, Elbert L., assignee: *See*—
Kennedy, Garland C.
Pugh, James E., Jr.: *See*—
De Packh, David C., and Pugh.
Pugh, Julian A., assignee: *See*—
Kennedy, Garland C.
Pugh, Robert W.: *See*—
Gearhart, William M., and Pugh.
Pugh, William E.: *See*—
Hawkins, James E., and Pugh.
Pugh, William J., Piedmont, Calif. Manufacturing plural hose. 2,624,073, Jan. 6.
Pugh, William J., Piedmont, Calif. Plural hose. 2,624,366, Jan. 6.
Pugh's Super Market, assignee: *See*—
Kennedy, Garland C.
Pugin, André, assignor to J. R. Geigy A. G., Basel, Switzerland. Halogenated phthalocyanine disulfonic acids. 2,647,126, July 28.
Puidokas, Stanley V., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Air conditioning system for vehicles. 2,634,671, Apr. 14.
Puiseux; Boulanger et Cie, assignee: *See*—
Bourdon, Pierre M.
Pujda, Alfred G., assignor to Colonial Sheet Metal Works, Bridgeport, Conn. Layout measuring tool. 2,624,944, Jan. 13.
Pukacz, Chaim B., Paris, France. Machine for the continuous manufacture of a stuffing material. 2,662,576, Dec. 15.
Pukkila, Arnold O.: *See*—
Barnes, James I., and Pukkila.
Myers, Harold C., and Pukkila.
Myers, Harold C., Pukkila, and Barnes.
Myers, Harold C., Pukkila, Houser, and King.
Myers, Harold C., Pukkila, and Petry.
Pukt, Joseph J., Randolph, Mass., assignor to Armstrong Cork Company, Lancaster, Pa. Reversing mechanism. 2,649,810, Aug. 25.
Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Spring brush control for carpet sweepers. 2,631,312, Mar. 17.
Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Spring brush control for carpet sweepers. 2,634,443, Apr. 14.
Pullen, Marvin F., Portland, Oreg. Divider for cheese molds. 2,625,877, Jan. 20.
Pulli, John L.: *See*—
Walker, Harold N., and Pulli.
Pullin, Cyril G., Tadburn, Ampfield, Hampshire, England, assignor, by mesne assignments, to Autogiro Company of America, Philadelphia, Pa. Multiple rotor helicopter. 2,651,480, Sept. 8.
Pullman Sales Corporation, assignee: *See*—
Holte, Paul C.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Apel, Carl H.
Candlin, James E., Jr.
Johnsen, Iver, Jr.
Pulman, William E. R., assignor to C. V. A. Jigs, Moulds & Tools Limited, Hove, England. Indexing mechanism for turrets of automatic machine tools. 2,654,271, Oct. 6.
Pulp and Paper Research Institute of Canada, assignee: *See*—
Ross, James H., Hart, Strapp, and Maass.
Pulp Reproduction Company, assignee: *See*—
Risch, Arthur H., and Nelson.
Puls, Herman, New York, N. Y. Baking machine. 2,624,295, Jan. 6.
Pulsifer, Frank: *See*—
Benedict, Walter L., Goodnow, and Pulsifer.
Pulsifer, Newell B., Livermore Falls, Maine. Headrest. 2,638,152, May 12.
Pultorak, Sigmund V.: *See*—
Horning, Oliver P., and Pultorak.
Pulver, Lynn E., Swea City, Iowa. Fishing lure. 2,632,973, Mar. 31.
Pulvino, Thomas C.: *See*—
Weber, Carl M., and Pulvino.
Puma, John, Bloomfield, N. J. Window washing machine. 2,634,448, Apr. 14.
Pummer, Leo, Chicago, Ill., assignor to McGraw Electric Company, Milwaukee, Wis. Housed spark-over gap. 2,642,549, June 16.
Pummill, Edwin W., Indianapolis, Ind. Lock nut assembly. 2,646,098, July 21.
Pump Development Company, assignee: *See*—
Hall, Ellis C.
"Pump-It" Incorporated, assignee: *See*—
Bachelier, "D" Flavius.
Punch Engineering Pty. Limited, assignee: *See*—
Skillman, Thomas S.
Puranen, Maunu, and A. A. Kahma, Helsinki, Finland. Inductive prospecting. 2,642,477, June 16.
Purcell, Jasper H.: *See*—
Cowle, Ira C., and Purcell.
Purcell, Lee T.: *See*—
Gehm, Harry W., and Purcell.
Purchas, William J., Jr., Grand Rapids, assignor to General Motors Corporation, Detroit, Mich. Duplex nozzle. 2,628,867, Feb. 17.
Purchas, William J., Jr., and C. W. Truxell, Jr., Grand Rapids, assignors to General Motors Corporation, Detroit, Mich. Fuel injection pump. 2,628,866, Feb. 17.
Purchas, William J., Jr., and E. Orent, Grand Rapids, assignors to General Motors Corporation, Detroit, Mich. Duplex nozzle. 2,653,054, Sept. 22.
Purdue Research Foundation, assignee: *See*—
Benzer, Seymour, and Lark-Horovitz.
Bray, Ralph, and Lark-Horovitz.
Hass, Henry B., and Feuer.
Lark-Horovitz, Karl, and Whaley.
McBee, Earl T.
McBee, Earl T., and Newcomer.
Purdy, Bruce B., assignor to Appleton Wire Works, Inc., Appleton, Wis. Magnetic shuttle-guiding means. 2,647,542, Aug. 4.
Purdy, Frederick A., Scarsdale, N. Y. Apparatus for fitting clothes. 2,631,374, Mar. 17.
Purdy, Hessel L., Braman, Okla. Loader and elevator attachment for vehicles. 2,661,105, Dec. 1.
Purdy, Irving B., Pleasantville, N. Y. Antiskid device. 2,631,637, Mar. 17.
Purdy, Kenneth C., Vista, Calif. Means for marketing goods. 2,649,930, Aug. 25.
Purdy, Rolland M., Bainbridge, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,630,462, Mar. 3.
Pure Oil Company, The, assignee: *See*—
Alcorn, Irwin W.
Alcorn, Irwin W., and Dial.
Askevold, Robert J.
Ayers, George W., and Harton.
Bell, Richmond T.
Bond, Donald C.
Bond, Donald C., and Lorenz.
Bond, Donald C., and Savoy.
Brennan, Elmer W.
Ellison, Lynn E.
Ellison, Lynn E., and Proctor.
Hall, Garland W.
Heal, Paul E.
Manteuffel, Allan, Cook, and Gilson.
Maschwitz, Percy A.
Murray, Christopher A.
Ogden, Laurence A., McChesney and McDonald.
Purificato, Alfred T., Troy, N. Y. Fracture securing instrument. 2,631,584, Mar. 17.
Purifoy, George R., Pittsburgh, Pa., and W. L. Barclay, Jr., Scarsdale, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor-protection during dynamic braking. 2,653,284, Sept. 22.
Purifoy, George R., Pittsburgh, and C. F. Jenkins, Laughlintown, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage and current responsive dynamic braking control system. 2,653,292, Sept. 22.
Purifoy, James E., Texarkana, Ark. Extra hand letter holder. 2,635,761, Apr. 21.
Purington, Ellison S.: *See*—
Hammond, John H., Jr., and Purington.
Purington, Ellison S., Gloucester, Mass. Remote selective control system. 2,635,228, Apr. 14.
Purinton, Forest G., Middlebury, assignor to The Patent Button Company, Waterbury, Conn. Machine attached button. 2,649,633, Aug. 25.
Puritan Compressed Gas Corporation, assignee: *See*—
Welty, Charles H., and Hammon.
Purity Bakeries Service Corporation, assignee: *See*—
Otte, Karl H.
Purkhiser, Roy C., Cleveland, Ohio. Insulated pipe union. 2,653,834, Sept. 29.
Puro, John F., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrically controlled dashpot for carburetor throttles. 2,639,778, May 26.
Purolator Products, Inc., assignee: *See*—
Bell, Albert E.
Kovacs, Julius P.
Layte, Ralph R.
Layte, Ralph R., and Bell.
Purpura, August C., assignor to Sunbeam Corporation, Chicago, Ill. Control system suitable for automatic coffee makers. 2,662,160, Dec. 8.
Pursche, Harry A., Gardena, Calif. Two-way plow. 2,625,089, Jan. 13.
Pursche, Harry A., Gardena, Calif. Two-way plow. 2,625,090, Jan. 13.
Pursche, Harry A., Gardena, Calif. Two-way plow. 2,625,091, Jan. 13.
Pursche, Harry A., Gardena, Calif. Tractor mounted two-way plow. 2,633,786, Apr. 7.
Pursche, Harry A., Gardena, Calif. Two-way disk plow. 2,648,267, Aug. 11.
Pursche, Harry A., Gardena, Calif. Two-way plow construction. 2,655,851, Oct. 20.
Pursche, Harry A., Gardena, Calif. Two-way plow. 2,659,284, Nov. 17.
Purser, Carl D., Daytona Beach, Fla. Vaginal syringe. 2,627,271, Feb. 3.
Purtle, Bert G.: *See*—
Glass, Loyd, and Purtle.

Purvis, Joseph T.: *See*—
Boyd, Winnett, and Purvis.
Comery, Peter D., and Purvis.

Purvis, Thomas A., Tulsa, Okla. Corn planting machine having rotary ground-engaging seed reservoirs. 2,654,510, Oct. 6.

Puryear, Lloyd, assignee: *See*—
Roark, Leon S.

Pusch, Frederick A., Brooklyn, N. Y. Pot cleaner. 2,654,191, Oct. 6.

Puschhof, Siegfried: *See*—
Feichtinger, Hans, and Puschhof.

Pusey & Jones Corporation, The, assignee: *See*—
Goldsmith, Philip H.

Pusheck, Herbert W., Evanston, Ill. Device for use in tearing sheet material. 2,654,544, Oct. 6.

Puste, Elizabeth, Detroit, Mich. Cover for toilet tanks. 2,652,875, Sept. 22.

Puster, Louis M., assignor, by mesne assignments, to The University of Tennessee Research Corporation, Knoxville, Tenn. Fiber length distribution measuring instrument. 2,648,251, Aug. 11.

Puth, George J., Appleton, Wis. Variable throwing angle target projector. 2,656,831, Oct. 27.

Putman, Henry M., Jr., Champaign-Urbana, Ill. Axial flow gas turbine having reheating means and specially shaped rotor and stator blades to provide isothermal expansion. 2,638,741, May 19.

Putnam, Charles W.: *See*—
Bilofsky, Myers A., and Putnam.

Putnam, Charles W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing a fluorescent screen. 2,660,539, Nov. 24

Putnam, Charles W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluorescent screen. 2,660,686, Nov. 24.

Putnam, David F., and C. F. Robbins, Keene, N. H., and O. B. Meyers, Quakertown, Pa., assignors to Markem Machine Company, Keene, N. H. Marking machine. 2,624,279, Jan. 6.

Putnam, Eleanor H., administratrix: *See*—
Putnam, John F.

Putnam, F. A., Mfg. Co. Inc., assignee: *See*—
Johnson, Carl R.

Putnam, Harold R., Iowa City, Iowa. Adjustable golf club. 2,644,689, July 7.

Putnam, Homer M., Jr.: *See*—
Fairbairn, George C., and Putnam.

Putnam, John F., deceased, Westhampton, Mass., by E. H. Putnam, administratrix, Westhampton, assignor to American Bosch Corporation, Springfield, Mass. Ignition system. 2,643,284, June 23.

Putnam, John P.: *See*—
Reece, John B., and Putnam.

Putnam, William D., Brantford, Ontario, Canada. Packing device. 2,662,659, Dec. 15.

Putney, David H., assignor to Stratford Engineering Corporation, Kansas City, Mo. Preparing olefinic hydrocarbons and recycle acid catalyst for absorption prior to alkylation. 2,649,486, Aug. 18.

Putney, David H., assignor to Stratford Engineering Corporation, Kansas City, Mo. Alkylation utilizing evaporative cooling. 2,664,452, Dec. 29.

Putt, J Lewis, Huntington Station, N. Y. Internal-combustion engine. 2,658,489, Nov. 10.

Putt, Louis P., Wellsville, Ohio. Pocket cigarette ash receiver and snuffer. 2,636,532, Apr. 28.

Putz, Hector R., Toronto, Ontario, Canada, assignor to McGraw Electric Company, Milwaukee, Wis. Remote-control system. 2,656,472, Oct. 20.

Putzrath, Franz L., Pennsauken, N. J., assignor to Radio Corporation of America. Magnetic recording art. 2,658,953, Nov. 10.

Pye, David J., and T. J. West, Concord, Calif., assignors to The Dow Chemical Company, Midland, Mich. Supported $MgCl_2$-$CuCl_2$ catalyst. 2,636,864, Apr. 28.

Pye, George T., Prescot, and H. G. Jones, Saint Helens, assignors to Pilkington Brothers Limited, Liverpool, England. Apparatus for detaching and removing a sheet from an upwardly traveling ribbon of glass. 2,628,453, Feb. 17.

Pye, Harold C., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Ringer circuit using cold cathode tube. 2,641,653, June 9.

Pye Limited, assignee: *See*—
Bentley, Leslie F.
Cope, John E.
Fisher, Donald H., and Jones.
Holland, Ernest O.
Lawson, Dennis I., and Lord.
Lord, Arthur V.

Pyenson, Harry, University City, assignor to Development Research, Inc., St. Louis, Mo. Dispensing tip for gas-pressure containers. 2,660,132, Nov. 24.

Pyk, Sven C., Nynashamn, Sweden. Treatment of melted magnesium and magnesium alloys. 2,633,419, Mar. 31.

Pyle, Betty, executrix: *See*—
Pyle, Robert A.

Pyle, Cyrus: *See*—
Hughes, Jesse E., Kemp, and Pyle.

Pyle-National Company, The, assignee: *See*—
Heehler, Arthur C.
Heehler, Arthur C., and McDowell.
Howard, John G., and Rockwell.
Keegan, Frank X.
Kurek, Edwin J.
McDowell, Thomas E.
McDowell, Thomas E., and Heehler.
Raider, George K., and Little.
Rockwell, Philip S., and Howard.

Pyle, Richard M., Dallas, Tex. Oil burner stove. 2,633,189, Mar. 31.

Pyle, Robert A., deceased, Lapeer, Mich.; B. Pyle, executrix. Rotary pump and motor fluid transmission. 2,645,902, July 21.

Pyle, Ross S.: *See*—
May, Richard W., and Pyle.

Pyle, Walter S., assignee: *See*—
Little, George N.

Pyles, Ira F., Fairview, Ill. Fire alarm switch. 2,646,480, July 21.

Pyramid Mouldings, Inc., assignee: *See*—
Astrella, Frank T.

Pyramid Rubber Company, The, assignee: *See*—
Boston, Frank E.

Pyrene Company, Limited, The, assignee: *See*—
Cockram, Reginald W. J.

Pryor Limited, assignee: *See*—
Aannerud, Sigurd A.

Q-O-S Corporation, assignee: *See*—
Szelwach, Stanley S.

QSK Products Inc., assignee: *See*—
Quintilian, Bartholomew F.

Quaka, Cyril B., Bridgeport, Conn. Adjustable body support for caskets. 2,636,246, Apr. 28.

Quakenbush, Howard M.: *See*—
Caldemeyer, Daniel F., and Quakenbush.

Quakenbush, Howard M., assignor to National Furniture Manufacturing Company, Inc., Evansville, Ind. Upholstery fastener construction. 2,649,898, Aug. 25.

Quaker Oats Company, The, assignee: *See*—
Dunlop, Andrew P., and Swadesh.
Graham, William R., Jr., Kohler, and Hoover.
Stevenson, Charles B.
Washburn, Ernest L.

Quaker State Metals Company, assignee: *See*—
Hume, William G.

Qualen, Martin O., Iowa Falls, Iowa. Apparatus to remove tires from rims by vibration. 2,648,374, Aug. 11.

Qualitex-Société Dunod & Cie, assignee: *See*—
Dunod, Jean.

Qualitrol Corporation, assignee: *See*—
Ford, George E.
Ratcliffe, Fred A., Ryan, and Ford.

Quality Engineering Company, assignee: *See*—
Marks, Robert V.

Quality Tool & Machine, assignee: *See*—
Kelley, Herbert D., and Knott.

Qualler, Clifford L., assignor to George Gorton Machine Company, Racine, Wis. Turntable assembly for sewing machines. 2,633,394, Mar. 31.

Quam, Sidney N.: *See*—
Horneman, Herman C., Hussong, Quan, and Hammer.

Quarles, Donald A., Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of noise in transmission systems. 2,632,101, Mar. 17.

Quarles, John P., Huntington, W. Va. Spray apparatus for railroad rights of way. 2,657,091, Oct. 27.

Quarnstrom, Ivar T., New Haven, Mich. Ejector pin assembly for mold bases. 2,645,815, July 21.

Quartullo, Orpheus F., Cleveland, Ohio, assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif. Bowl ejecting mechanism for carry-type scrapers. 2,650,440, Sept. 1.

Quayle, George F., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,643,740, June 30.

Quear, Eugene C., and W. C. Shaw, Anderson, and J. R. Edwards, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich. Molding. 2,647,283, Aug. 4.

Quebec Metallurgical Industries Limited, assignee: *See*—
Lichty, Lyall J.
Lindsley, Thayer, and Lichty.

Queen Manufacturing Co., Inc., assignee: *See*—
Doherty, Donald W.

Queen Stove Works, Inc., assignee: *See*—
Laramy, Richard C.

Queitzsch, Karl E., York, Pa. Operating handle for rotary tools. 2,660,911, Dec. 1.

Quelly, Joseph R.: *See*—
Emerson, William G., Jr., and Quelly.

Quelly, Joseph R., Cranford, and S. A. Sankus, Bayonne, N. J., assignors to Standard Oil Development Company. Finishing of polyisobutylene. 2,641,620, June 9.

Queneau, Augustin L. J., Morristown, N. J. Apparatus for electromagnetic separation of wet ores. 2,664,200, Dec. 29.

Quereau, John F., Wyncote, and A. B. Teague, Somerton, assignors to Leeds and Northrup Company, Philadelphia, Pa. Aspiration pyrometer. 2,627,182, Feb. 3.

Querry, Merle V.: *See*—
Baker, Bernard R., and Querry.

Quick-Way Truck Shovel Co., assignee: *See*—
Smith, Luke E.

Quick, William G., and W. O. Wilson, assignors to Kingsboro Silk Mills, Inc., Daisy, Tenn. Yarn cleaner. 2,624,933, Jan. 13.

Quigley, Arthur H., Baltimore, Md. Mess kit. 2,657,820, Nov. 3.

Quigley, Herbert, Hastings, assignor to National Brass Company, Grand Rapids, Mich. Door lock. 2,632,664, Mar. 24.

Quigley, Herbert, Hastings, assignor to National Brass Company, Grand Rapids, Mich. Key-in-knob lock, 2,642,735, June 23.

Quigley, Herbert, Hastings, and H. Young, assignors to National Brass Company, Grand Rapids, Mich. Locking latch. 2,648,560, Aug. 11.

Quik Pac Division of H. Wesley Hutchins Company, assignee: *See*—
Nichols, Charles T.

Quikut Inc., assignee: *See*—
Whitcomb, Charles D.

Quilici, Gino: *See*—
Kost, Alwin, and Quilici.

Quillinan, Michael J., Bronx, N. Y. Slide rule. 2,628,025, Feb. 10.

Quillinan, Michael J., Bronx, N. Y. Capseal. 2,629,512, Feb. 24.

Quillinan, Michael J., Bronx, N. Y. Bung construction. 2,643,790, June 30.

Quillinan, Michael J., Bronx, N. Y. Slide rule. 2,643,823, June 30.

Quillinan, Michael J., New York, N. Y. Container. 2,641,292, June 9.

Quillinan, Michael J., New York, N. Y. Slide rule. 2,643,057, June 23.

Quillinan, Michael J., New York, N. Y. Slide rule. 2,643,058, June 23.

Quilling, Leslie J., Ringwood, Okla. Watermelon crusher and seed separator. 2,657,801, Nov. 3.

Quimby, Arthur G., Brookline, and J. A. Venedam, East Boston, assignors to Doe & Ingalls, Inc., Everett, Mass. Process of removing heat-sealed adhesive labels. 2,629,675, Feb. 24.

Quimby, Arthur G., Brookline, and J. A. Venedam, East Boston, assignors to Doe & Ingalls, Inc., Everett, Mass. Removing heat-sealed adhesive labels. 2,634,222, Apr. 7.

Quin, Aloysius J., North Bergen, N. J., assignor to Brooks Equipment Corporation. Universal joint. 2,648,207, Aug. 11.

Quin, Denis C.: *See*—
Alier, Basil V., Hall, Quin, and Turck.
Armstrong, Godfrey P., Hall, Quin, and Turck.

Quinby, Edwin J., and R. Bender, New York, N. Y., and W. S. Oliwa, assignors to Monroe Calculating Machine Company, Orange, N. J. Stroboscopic indicator. 2,633,297, Mar. 31.

Quinby, Edwin J., New York, N. Y., and W. S. Oliwa, assignors to Monroe Calculating Machine Company, Orange, N. J. Touch-responsive keyboard. 2,659,533, Nov. 17.

Quinche, Albert: *See*—
Stralm, André, and Quinche.

Quincy Compressor Company, assignee: *See*—
Pfeifer, George F.

Quinlan, Martin J.: *See*—
McCurry, Eugene T., Oppel, and Quinlan.

Quinlan Pretzel Company, Inc., assignee: *See*—
Gipe, Harrison S.

Quinlan, Vincent J., Irondequoit, N. Y. Oil filling nozzle and coupling. 2,624,598, Jan. 6.

Quinn, Aloysius J.: *See*—
Gauci, Joseph, and Quinn.

Quinn, Aloysius J., North Bergen, N. J. Spring cushion assembly. 2,641,778, June 16.

Quinn, Bert A., St. Paul, Minn. Lubricating means for pneumatic door checks, closers, and the like. 2,646,589, July 28.

Quinn, David H., Brookline, assignor to Quinn Products, Inc., Boston, Mass. Speed filter. 2,649,205, Aug. 18.

Quinn, Edward, Saugus, and I. I. Hersey, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for assembling insoles and prefitted uppers. 2,629,119, Feb. 24.

Quinn, Evan V., assignor to Unistel Textile Machine Corporation, Port Chester, N. Y. Steaming apparatus. 2,638,765, May 19.

Quinn, Francis J., Upper Darby, Pa. Direct reading projection clock apparatus. 2,652,745, Sept. 22.

Quinn, Gerald S., Salem, and M. D. Betts, Rockport, assignors to Sylvania Electric Products Inc., Salem, Mass. Apparatus for shaping electric lamp mounts. 2,641,286, June 9.

Quinn, Neville R. L.: *See*—
Massey, Bernard S., Quinn, Allen, and Warner.

Quinn Products, Inc., assignee: *See*—
Quinn, David H.

Quinn, Robert F., Schenectady, N. Y., assignor to General Electric Company. Circuit restorer. 2,633,513, Mar. 31.

Quintilian, Bartholomew F., Baltimore, Md., assignor to QSK Products Inc. Ice shaving machine. 2,646,223, July 21.

Quiquerez, Joseph: *See*—
Gision, André, and Quiquerez.

Quiram, Ernest R., Elizabeth, and J. B. Lewis, Cranford, N. J., assignors to Standard Oil Development Company. Gasoline treating process. 2,626,891, Jan. 27.

Quirk, Douglas W., Chicago, Ill., assignor to General Electric Company. Heated receptacle for hygroscopic materials. 2,635,170, Apr. 14.

Quirk, Justin P., and L. G. P. Hafner, assignors, by mesne assignments, to Quirk Machinery Company, St. Louis, Mo. Shoe heel surfacing machine. 2,653,424, Sept. 29.

Quirk Machinery Company, assignee: *See*—
Quirk, Justin P., and Hafner.

Quirk, Robert W.: *See*—
Levin, Carl A., and Quirk.

Quirk, Robert W., assignor to Ditto, Incorporated, Chicago, Ill. Pump actuating means for rotary duplicating machines. 2,659,303, Nov. 17.

Quirke, Alan T., Otunui, New Zealand. Removable handle assembly for power chain saws. 2,642,100, June 16.

Quiroz, Francisco A., Newark, N. J. Cigarette holder. 2,642,879, June 23.

Quist, Axel H. B., Norrkoping, Sweden. Collapsible wheeled vehicle. 2,657,069, Oct. 27.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Liquid level indicator. 2,634,612, Apr. 14.

Quist, Harold A., Elkton, Md., assignor to Sun Oil Company, Philadelphia, Pa. Sampling adapter for receptacles. 2,650,499, Sept. 1.

Quist, Oscar, assignor to Union Special Machine Company, Chicago, Ill. Looper operating mechanism for sewing machines. 2,636,463, Apr. 28.

Quittner, Victor, assignor to General Radiological Limited, London, England. Operation of X-ray tubes. 2,659,016, Nov. 10.

Quonlam, Jean M., Heinitz Sarre, assignor to Regie des Mines de la Sarre, Sarrebruck, France. Coal cutting or loading machine. 2,658,739, Nov. 10.

Quoss, Henry N., Fort Lauderdale, Fla., assignor to J. E. Bush, Dallas, Tex. Handle assembly for jalousies and Venetian windows. 2,626,529, Jan. 27.

Qvarfordt, Karl E. V.: *See*—
Andersson, Bengt R., and Qvarfordt.

RCS Engineering Corporation, assignee: *See*—
Folli, Arthur J.
Russell, Francis S.

R-S Products Corporation, assignee: *See*—
Hopkins, David W.

Raab, Herman P., Indianapolis, Ind., assignor to Radio Corporation of America. Electronic motor control circuit. 2,664,533, Dec. 29.

Raab, Louis J., Lower Saucon Township, Northampton County, Pa. Blade sharpener and making the same. 2,654,194, Oct. 6.

Raasch, Maynard S.: *See*—
Lontz, John F., and Raasch.

Raasch, Maynard S., and C. W. Tullock, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamide containing beta carbonamido-alpha-aminopropionic acid units. 2,652,389, Sept. 15.

Rabben, Ellis L., Norfolk, Va. Ophthalmic lens device in welder's hood. 2,628,530, Feb. 17.

Rabbitt, Milton, Gregory, Mich., assignor to Fram Corporation. Gas filter indicator. 2,655,894, Oct. 20.

Rabe, Karl, Stuttgart, assignor, by mesne assignments, to Dr. Ing. h. c. F. Porsche K. G., Stuttgart-Zuffenhausen, Germany. Steering mechanism for motor vehicles and the like. 2,644,341, July 7.

Rabenda, Edward J.: *See*—
Beattie, Horace S., Page, and Rabenda.

Rabenda, Edward J., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Record controlled duplicate printing machine. 2,647,460, Aug. 4.

Rabenda, Edward J., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine for handling nondecimal entries. 2,658,683, Nov. 10.

Rabinow, Jacob, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army. Radial flux magnetic fluid clutch. 2,629,471, Feb. 24.

Rabinow, Jacob, Takoma Park, Md. Automatic headlight dimmer. 2,632,040, Mar. 17.

Rabinow, Jacob, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army. Instantaneous reversing motor. 2,632,141, Mar. 17.

Rabinow, Jacob, Takoma Park, Md., assignor to the United States of America as represented by the Secretary of the Army. Device to resist the disarming of bombs. 2,647,465, Aug. 4.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Double element setback lock. 2,625,881, Jan. 20.

Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Constant torque clutch. 2,644,398, July 7.

Rabinowitz, Louis M., Brooklyn, N. Y. Fastener strip. 2,661,478, Dec. 8.

Rabjohn, Lloyd E., assignee: *See*—
Persak, George, Jr.

Rabjohn, Lloyd E., Glendale, Calif. Seal for beverage coolers. 2,647,378, Aug. 4.

Rabkin, William, and L. Baron, New York, assignors to International Mutoscope Corporation, Long Island, N. Y. Framed photographic plates. 2,647,834, Aug. 4.

Raburn, Louis E., and R. W. Anderson, assignors to Electronics Research, Inc., Evansville, Ind. Antenna. 2,632,848, Mar. 24.

Rabuteau, Guy J., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Diversity system. 2,629,816, Feb. 24.

Raby, James O., Elizabeth City, N. C. Brake lever actuated oil-level indicator. 2,626,386, Jan. 20.

Race Finish Recording Company Limited, The, assignee: *See*—
Marchand, André.

Race, William J., Franklin Park, assignor to Motorola, Inc., Chicago, Ill. Antenna for vehicle mounting. 2,664,506, Dec. 29.

Racek, Alfred, and J. Raganitsch, Vienna, Austria. Pyrophoric lighter. 2,633,725, Apr. 7.

Racek, Alfred, and J. Raganitsch, Vienna, Austria. Gas igniter. 2,661,616, Dec. 8.

Rachlin, Albert I.: *See*—
Goldberg, Moses W., and Rachlin.

Rachlin, Eva, executrix: *See*—
Rachlin, Max.

Rachlin, Max, deceased, Flushing, N. Y.; H. Pollock, and E. Rachlin, executrices. Gutter circle and making same. 2,654,555, Oct. 6.

Racho, Matilda A., Riverside, Conn. Holder. 2,661,748, Dec. 8.

Racine Confectioners' Machinery Co., assignee: *See*—
Covert, Claude J., and Genich.

Rack, Alois J., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic switch. 2,637,318, Oct. 27.

Rack, Edward R., R. J. Duncan, and J. T. Dulak, Milwaukee, Wis., assignors to A P Controls Corporation. Damper regulator. 2,630,272, Mar. 3.

Rackett, Gerald F., Sherman Oaks, assignor to Columbia Pictures Corporation, Los Angeles, Calif. Stripping multilayer negatives. 2,661,290, Dec. 1.

Racz, Michael, Pine Hill, N. J. Garment. 2,655,660, Oct. 20.

Rada Products Company, assignee: *See*—
Sonderstrup, Christian A.

Radabaugh, John M., Mount Vernon, Ohio. Abrading unit. 2,641,878, June 16.

Radakovich, Fred: *See*—
Kuettler, Arthur, Jr., and Radakovich.

Radawski, Andrew, assignee: *See*—
Malkin, John.

Radcliffe, Frederick E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test equipment and method for measuring reflection coefficient. 2,649,570, Aug. 18.

Raddatz, Donald A.: *See*—
Raddatz, Herman J. and D. A.

Raddatz, Herman J. and D. A., Redwood Falls, Minn. Driving mechanism for material conveyors. 2,660,263, Nov. 24.

Radde, Erich M. H., New York, N. Y. Dicyclohexyl ethane compounds and making same. 2,661,369, Dec. 1.

Radeloff, Sidney P., and R. J. Falcone, Philadelphia, Pa. Measuring-type pour-spout. 2,664,228, Dec. 29.

Rader, Arlie B., Lititz, Pa. Article transfer for carton taping machines. 2,659,474, Nov. 17.

Radi, Lino J., Somerville, N. J., assignor to Interchemical Corporation, New York, N. Y. Polyvinyl chloride composition containing a Utah coal resin. 2,647,096, July 28.

Radi, Serafino, Milan, Italy. Water heater. 2,635,173, Apr. 14.

Radiart Corporation, assignee: *See*—
Tregoning, William C., Sr.

Radiart Corporation, The, assignee: *See*—
Ehrbar, Edward J., and Cronshey, Zarobsky, Charles A., and Seybold.

Radics, Stephen, executor: *See*—
Schmidt, Paul.

Radigan, Joseph, Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Power control bridge. 2,627,061, Jan. 27.

Radio Corporation of America, assignee: *See*—
Abelson, Robert C.
Albee, Arthur C., and Ward.
Allen, Horace C., and Ballard.
Anderson, Earl I.
Anderson, Leslie J., and Duncan.
Anderson, Leslie J., and Hawley.
Andrews, Dallas R.
Arensberg, Stewart L.
Arsen, Alvan D., Ford and Korman.
Artzt, Maurice.
Atwood, John B.
Avins, Jack.
Ayres, William R., and Smith.
Baker, Richard E., and Covely.
Ballard, Randall C.
Barco, Allen A.
Barco, Allen A., Bliss, and Carpenter.
Barton, Loy E.
Batsel, Cecil N.
Batzle, William K.
Beck, Francis X., and Bent.
Bedford, Alda V.
Bedford, Alda V., and Sziklai.
Behrend, William L.
Bergson, Gustav.
Blaker, George H., and Cain.
Blaney, Arthur C., and Singer.
Blaney, Dorothy L.
Bollinger, Waldon P., and Sohon.
Bond, Donald S.
Bond, Donald S., and Moore.
Braden, Rene A.
Brown, Barremore B.
Brown, George H.
Brown, George H., Morrison, and Flosdorf.
Brown, William B.
Burger, Gustav F., and Reisner.
Burns, Leslie L., Jr.
Burton, J. Kent.
Byrd, John F., and Phyfe.
Canfora, Arthur E.
Carlson, Wendell L.
Carne, Gerald G.
Carson, Benjamin R.
Chandler, Charles H.
Cherry, William H.
Christian, Schuyler M.
Cichoski, Edward C., and Dale.
Cohen, Martin J.
Coleman, John H.
Colgan, Oliver E.
Collar, Harlan W., Russo, and Minneman.
Coxe, Whitwell W., Jr.
Crooks, Horatio N.
Cuccia, Carmen L.
Daley, Charles W.
Dean, William W. H.
Del Valle, Guillermo A., and Jones.
De Muth, John J.
Denton, Bethel E.
De Tartas, Donald A.
Dimmick, Glenn L., and Widdop.
Dutton, Oscar B.
Dodds, Wellesley J.
Donal, John S., Jr., Smith, and Brown
Donley, Hugh L., and Kelzer.
Duke, Vernon J.
Duncan, Robert K.
Eberhard, Everett.
Ellis, Sidney G.
Ellis, Sidney G., and Stevenson.
Epstein, David W.
Evans, John.
Fiet, Owen O., and Scudder.
Ford, John R., and Bollinger.
Foster, Harry B., and Parker.
Fredendall, Gordon L.
Fredendall, Gordon L., and Kell.
Friend, Albert W.
Garner, Lloyd P.
Garner, Lloyd P., and Parker.
Gehman, John B.
Giacoletto, Lawrence J.
Gluyas, Thomas M., Jr., and Schneider.
Goldberg, Edwin A.
Goldsmith, Alfred N.
Goldstein, Irwin E.
Goldstine, Hallan E.
Goodale, Elmer D.
Goodale, Elmer D., and Graham.
Goodrich, Hunter C.
Goodrich, Hunter C., Jr.
Goodrich, Robert R.
Greig, Harold G.
Grosdoff, Igor E.
Hanchett, George D., Jr.
Hansell, Clarence W.
Hansell, Clarence W., and Bond.
Harbaugh, Willis E.
Harbaugh, Willis E., and Garner.
Harris, James S.
Harvey, Robert L.
Heffner, Joseph B., Jr.
Herbst, Philip J.
Herold, Edward W.
Hershberger, William D.
Herzog, Gerald B.
Himmel, Robert N.
Houghton, William D.
Howarth, Walter J.
Humfeld, George P.
Humfeld, George P., and de Tartas.
Hunter, Daniel O.
Hurley, Robert E.
Jams, Harley.
Johnson, Edward O.
Johnson, Harwick, and De Remer.
Jones, Loren F.
Kelzer, Eugene O.
Kell, Ray D.
Kellogg, Edward W., Sachtleben, and Price.
Kilgore, Joseph R.

Radio Corporation of America, assignee: *See*—Continued.
King, Barry C., Jr.
Knauf, Harry V., Jr., and Erdman.
Knox, Horace B.
Koch, Winfield R.
Konick, Arthur E.
Koros, Leslie L.
Kumpf, George A.
Lakatos, Louis L.
Landon, Vernon D.
Law, Harold B.
Law, Russell R.
Lazzery, Angelo G.
Lederer, Ernest A.
Lehmann, Jules.
Lindenblad, Nils E.
Linder, Ernest G.
Lindsay, James B.
Lo, Arthur W.
Lo, Arthur W., and Moore.
Lockhart, Robert K.
Lucarelli, Andrew L.
Luck, David G. C., and Burns.
Lund, Frederik C. F. O.
Lyons, Walter.
Mackey, Donald.
Maiter, Louis.
Marshall, John N.
Masters, Robert W.
Masterson, Earl E.
Mathwich, Howard R.
McCurdy, Robert J.
McWade, John E.
Meisenheimer, Raymond L.
Mendelson, Hans.
Middleton, Robert G.
Miller, Charles E.
Miller, William A.
Moore, James R.
Morrison, Wendell C.
Morton, George A., Flory, and Snyder.
Mural, Frank.
Nelson, Herbert, and Slade.
Neubauer, John R.
Nicki, Edwin F.
Nicoll, Frederick H.
Norton, Lowell E.
Olson, Harry F.
Olson, Harry F., and Pennie.
Olson, Harry F., and Preston.
Önder, Kerim.
Pan, Wen Y.
Pan, Wen Yuan.
Pantchechnikoff, Jacques I.
Paré, Victor T.
Parker, William N.
Parks, Nathan S.
Pessel, Leopold.
Peterson, Harold O., and Atwood.
Peterson, Harold O., and Trevor.
Peterson, Robert H., and Broadwell.
Pettus, James L.
Picard, Robert G.
Picard, Robert G., and Reisner.
Pierce, Robert H.
Pratt, John H.
Pritchard, Dalton H.
Pryslak, Nicholas E., and McLaughlin.
Putzrath, Franz L.
Raab, Herman P.
Rajchman, Jan A.
Rajchman, Jan A., Mesner, and Rosenberg.
Rajchman, Jan A., and Stemme.
Rettinger, Michael.
Roberts, Walter van B.
Roberts, Walter van B., and Burns.
Robinson, Harris A.
Robinson, Kenneth W.
Roe, John H.
Rogers, Gordon F.
Romero, Robert F.
Rose, Albert.
Roys, Henry E.
Ruben, Harry.
Ruggiero, John V.
Russo, John S.
Rust, Noël M., and Ramsay.
Sadowsky, Meier.
Schoemehl, Henry F., and Ward.
Schrader, Harold J.
Schroeder, Alfred C.
Schroeder, Alfred C., and Sziklai.
Seabert, John D.
Seeley, Stuart W.
Seright, Carl G.
Serrell, Robert.
Serrell, Robert, and Goldberg.
Shardlow, Lawrence R.
Shaw, Hubert R., and Obert.
Shelby, Robert E.
Shenk, Eugene R., and Liguori.
Shepard, Herbert C.
Singer, Kurt.
Slade, Bernard N.
Smith, Arthur L. J.
Smith, John P.
Sohon, Harry, and Baker.
Somers, Frank J.
Spencer, James A.
Sperber, Edward J.
Spradlin, Joe D., and Himelfarb.
Stelmak, John P.
Stott, Harold B.
Swanson, Henry T.
Sziklai, George C.
Sziklai, George C., and Darke.
Sziklai, George C., and Schroeder.
Thierfelder, Charles W.
Torre, Alton J.
Tourshou, Simeon I.
Tourshou, Simeon I., and Skorup.
Trevor, Bertram.
Trevor, Bertram A.
Ulrich, Robert E.
Ulrich, Robert E., and Schlenker.
Usselman, George L.
Vance, Arthur W.
Van Ormer, David D.
Vilkomerson, Benjamin S.
Vilkomerson, Benjamin S., and Hoyt.
Vilkomerson, Benjamin S., and Stone.
Volkmann, John E., and Graham.
Volz, Philip E.
Wainer, Eugene.
Wallmark, John T.
Watts, William W.
Weimer, Paul K.
Wendt, Karl R.
Wendzel, Frank.
Wentworth, Chandler, and Donley.
Wentworth, John W.
Werenfels, Peter H., and Eckert.
Wheeler, Benjamin F.
Widdop, Mary E., and Dimmick.
Wilcox, Roy C.
Woodward, J. Guy.
Woodward, Oakley M., Jr.
Woodward, Oakley McD., Jr.
Young, Charles J.

Radio Frequency Laboratories, Inc., assignee: *See*—
Higgins, Charles A.

Radiograph Development Corporation, assignee: *See*—
Fine, Bernard M.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav.

Radio Receptor Company, Inc., assignee: *See*—
Tumulo, Gerald.

Radio Systems, Incorporated, assignee: *See*—
Philipps, Louis E.

Radio-Television Institute, Inc., assignee: *See*—
Arbuckle, Frederick M.
Lindley, Frederick A., and Arbuckle.

Radke, Carroll V., assignee: *See*—
Rollins, Derrial O.

Radke, Donald O.: *See*—
Swanson, Edward W., and Radke.

Rado, Kosta P.: *See*—
McDonald, Frank H., Mackrell, Rado, and Brand.

Radonich, Marko: *See*—
Douil, Robert M., and Radonich.

Radtke, Adelbert C.: *See*—
Courtney, Joseph F., and Radtke.
Peterson, Walter R., and Radtke.

Radtke, Adelbert C., Oak Park, Ill., assignor to International Harvester Company. Glass fiber drawing device. 2,654,183, Oct. 6.

Radtke, Adelbert C., Oak Park, Ill., assignor to International Harvester Company. Expansible core for glass filament windings. 2,656,990, Oct. 27.

Radtke, Edward W., Manchester, and W. E. Diefenderfer, Wethersfield, assignors to United Aircraft Corporation, East Hartford, Conn. Propeller electrical connector system. 2,628,794, Feb. 17.

Raduns, Solomon B.: *See*—
Deves, Anthony, and Raduns.

Radus, Joseph, Turtle Creek, Pa. Brake system bleeder and fluid supply means. 2,633,002, Mar. 31.

Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Starting and generating system. 2,643,346, June 23.

Raettig, Adele S., Hoboken, N. J. Circle squarer. 2,625,740, Jan. 20.

Rafaat, Mansoor: *See*—
Paige, Richard E., and Rafaat.

Raffa, Anthony C., Perryville, Mo. Valve for engine powered brake mechanism. 2,634,750, Apr. 14.

Rafferty, Arthur W., assignor to Fittings, Inc., Sacramento, Calif. Portable container having closure discharge hose. 2,630,247, Mar. 3.

Rafferty, Arthur W., Sacramento, Calif. Unloading header fitting and strainer. 2,647,636, Aug. 4.

Rafferty, Arthur W., Sacramento, Calif. Header strainer for liquid lines. 2,658,625, Nov. 10.

Rafferty, James F.: *See*—
Tinnerman, George A., and Rafferty.

Raftery, Harold C., Long Beach, Calif. Traveling scaffold. 2,633,391, Mar. 31.

Ragan, George L., Cambridge, and J. Reed, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Coaxial line terminating device. 2,646,549, July 21.

Ragan, Robert O.: *See*—
Richardson, Ralph R., Ritter, Ragan, and Coy.

Ragan, Robert O., Oak Park, and W. T. Ritter, River Forest, assignors to Chicago Carton Company, Chicago, Ill. Measuring areas, especially irregular areas. 2,631,491, Mar. 17.

Ragan, Thomas M.: *See*—
Baker, Reuben C., and Ragan.

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Hydraulic booster operated well packer. 2,624,412, Jan. 6.

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Bridge plug. 2,630,866, Mar. 10.

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Booster device for operating well tools. 2,644,528, July 7.

Raganitsch, Johann: *See*—
Racek, Alfred, and Raganitsch.

Ragatz, Edw. G., Co., assignee: *See*—
Ragatz, Edward G.

Ragatz, Edward G., assignor to Edw. G. Ragatz Co., San Marino, Calif. Method and apparatus for treating hydrocarbons. 2,638,437, May 12.

Raginsky, Harry, assignor to Progress Spring Bed Limited, Montreal, Quebec, Canada. Sofa bed hinge. 2,625,693, Jan. 20

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Mud mixer and agitator. 2,626,788, Jan. 27.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for pumping drilling fluids. 2,644,401, July 7.

Ragland, Douglas, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Combination stabilizer and hydraulic pack-off Kelly joint. 2,653,009, Sept. 22.

Ragsdale, James E., Glendale, assignor to Air Cushion Sales Co., Inc., Burbank, Calif. Air cushion fitting for fluid lines. 2,630,833, Mar. 10.

Ragsdale, Jesse M., Fort Gibson, assignor of one-half to I. B. Pate, Muskogee, Okla. Suction dredge nozzle. 2,643,471, June 30.

Ragusin, Peter J., Tinley Park, Ill. Game with ball-operated gates. 2,651,520, Sept. 8.

Rahaim, Peter A., Gardner, Mass. Apparatus for the manufacture of compressed wooden dowels. 2,630,149, Mar. 3.

Rahbek, Knud, Frederiksberg, Denmark. Semiconductor unit. 2,630,512, Mar. 3.

Rahfuse, Eugene T., deceased, Hamilton, Ohio, by M. Rahfuse, executrix, assignor of one-half to C. W. Ball, Hamilton, Ohio. Film reel fastener. 2,638,284, May 12.

Rahfuse, Martha, executrix: *See*—
Rahfuse, Eugene T.

Rahm, Robert C., Wyomissing, assignor to The Polymer Corporation, Reading, Pa. Apparatus for forming plastic strips. 2,627,085, Feb. 3.

Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. System for determining listening habits of radio receiver users. 2,630,365, Mar. 3.

Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. System for determining the audience response to programs broadcast from wave signal transmitting stations. 2,630,366, Mar. 3.

Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. System and apparatus for determining the listening habits of wave signal receiver users. 2,630,367, Mar. 3.

Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. System and apparatus for determining the listening habits of wave signal receiver users. 2,660,508, Nov. 24.

Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. Search signal apparatus for determining the listening habits of wave signal users. 2,660,663, Nov. 24.

Rahn, Harold C., assignor to Oil Center Tool Company, Houston, Tex. Pilot controlled fluid pressure operated valve. 2,634,754, Apr. 14.

Rahn, Henry W., Corpus Christi, Tex., assignor to Columbia-Southern Chemical Corporation. Well drilling composition and manufacture thereof. 2,650,194, Aug. 25.

Rahn, Henry W., Corpus Christi, Tex. Well drilling composition and manufacture thereof. 2,650,196, Aug. 25.

Rahn, Henry W., Corpus Christi, Tex. Well drilling composition and manufacture thereof. 2,650,197, Aug. 25.

Rahr, Chester E.: *See*—
Miscall, Jack, and Rahr.

Raibourn, Paul, Southport, Conn. Producing colored photographs. 2,628,902, Feb. 17.

Raider, George K., and E. J. Little, assignors to The Pyle National Company, Chicago, Ill. Apparatus for air volume control in ventilating systems. 2,640,410, June 2.

Rail Joint Company, The, assignee: *See*—
Payne, Ralph W.

Railing, Wilford E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Coating with polyethylene. 2,663,652, Dec. 22.

Rails Co., The, assignee: *See*—
Kerwin, Daniel G., and O'Callaghan.

Railton, Denis E., East Burnham, and F. White, Maidenhead, England; said Railton assignor of one-half of his share to Ideal Capsules Limited, and said White assignor to Ideal Capsules Limited, Slough, England. Machine for making pleated metal foil. 2,661,670, Dec. 8.

Railton, Reid A., Berkeley, Calif., assignor to Hudson Motor Car Company, Detroit, Mich. Steering mechanism for motor vehicles. 2,638,014, May 12.

Rainbow, Horace S., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Gas turbine unit, particularly for driving road motor vehicles. 2,631,427, Mar. 17.

Rainbow, Horace S., and D. Paul, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Mounting of the stator blades of gaseous fluid turbines. 2,625,367, Jan. 13.

Rainey Accounting Machine Company, Inc., assignee: *See*—
Parker, Charles A.
Parker, Charles A., and Rainey.
Rainey, Clifton K.

Rainey, Challenor W., assignor to Ford Motor Company, Dearborn, Mich. Current interrupting device. 2,634,343, Apr. 7.

Rainey, Clifton K.: *See*—
Parker, Charles A., and Rainey.

Rainey, Clifton K., assignor to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Paper insertion guide mechanism for accounting machines and the like. 2,632,549, Mar. 24.

Rainone, Nicholas J., Passaic, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lamp, filament therefor and method. 2,633,552, Mar. 31.

Rains, A. E., assignee: *See*—
Elber, Lee.

Rainville, Omer J.: *See*—
Matteson, George A., Jr., Rainville, and Parker.

Rainwater, Leo J., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Balanced double ionization chamber X-ray monitor. 2,643,343, June 23.

Raisbeck, Gordon, Morristown, and R. L. Wallace, Jr., Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Low-input impedance transistor circuits. 2,663,796, Dec. 22.

Raiteri, Stephen J., Stamford, Conn. Beverage urn. 2,638,839, May 19.

Raitiere, Louis P., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Modified Schmidt-type optical system. 2,664,027, Dec. 29.

Raivetz, Charles, Philadelphia, Pa. Lock bolt retainer. 2,630,005, Mar. 3.

Raizen, Charles S., New Rochelle, N. Y. Bubble-producing toy. 2,628,449, Feb. 17.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Electronic discharge device. 2,635,201, Apr. 14.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Storage tube with electron multiplying and selecting electrodes. 2,645,734, July 14.

Rajchman, Jan A., and M. H. Mesner, Princeton, and M. Rosenberg, Trenton, N. J., assignors to Radio Corporation of America. Reading circuit for storage tubes. 2,645,712, July 14.

Rajchman, Jan A., Princeton, N. J., and E. Stemme, Stockholm, Sweden, assignors to Radio Corporation of America. Means for indicating condition of memory element. 2,645,724, July 14.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Color television picture tube. 2,646,521, July 21.

Rakieten, Morris L., Islip, assignor to Rystan Company, Inc., Mount Vernon, N. Y. Therapeutic water-soluble chlorophyll-containing feed. 2,646,384, July 21.

Rakowitzky, Eli, administrator: *See*—
Rakowitzky, Gregor H.

Rakowitzky, Gregor H., deceased, Kings County, N. Y.; E. Rakowitzky, administrator. Slide fastener. 2,654,930, Oct. 13.

Raleigh, John F., Peshtigo, Wis. Attachment for silo filling machines. 2,650,136, Aug. 25.

Raleigh, Walter J., assignor to Scott-Atwater Manufacturing Co. Inc., Minneapolis, Minn. Carburetor valve regulator. 2,635,595, Apr. 21.

Raley, John H., Walnut Creek, W. E. Vaughan, Berkeley, and L. M. Porter, Richmond Annex, assignors to Shell Development Company, San Francisco, Calif. Separation of hydrogen halides from olefinically unsaturated compounds. 2,628,934, Feb. 17.

Ralston, Eldon K., Cleveland Heights, Ohio. Movement multiplier for disk springs. 2,634,123, Apr. 7.

Ralston, Eldon K., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Valve rotating device. 2,648,319, Aug. 11.

Ralston, Eldon K., Cleveland Heights, Ohio. Laundry hanger. 2,659,493, Nov. 17.

Ralston, John D., Indianapolis, Ind. Apparatus for sealing glass ampoules. 2,633,672, Apr. 7.

Ralston Purina Company, assignee: *See*—
Eaves, Ausie C.
Wear, John M., Jr.

Ram, Incorporated, assignee: *See*—
Steele, Richard E., and Jordan.

Ram, Inc., assignee: *See*—
Steele, Richard E., and Bryer.

Ramacher, Henry, Vallecito, Calif. Gathering reel. 2,652,678, Sept. 22.

Ramadanoff, Dimiter, Berea, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electrical contact brush. 2,640,944, June 2.

Ramage, John H., deceased, Bloomfield, N. J., by The Bloomfield Bank and Trust Co., executor, Bloomfield, N. J., and R. D. Malin, Park Forest, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of machineable molybdenum. 2,628,926, Feb. 17.

Rambacher, Paul, Nussdorf (Inn), and J. Miksch, Pfraundorf, Rosenheim (Upper Bavaria), assignors to Aschaffenburger Zellstoffwerke, Aktiengesellschaft Redenfelden, Post Raubling (Upper Bavaria), Germany. Purification of ortho-hydroxybenzamide. 2,636,900, Apr. 28.

Rambert, Raymond L., Gonesse, assignor to S. A. T. A. M. Societe Anonyme pour Tous Appareillages Mecaniques, La Courneuve, Seine, France. Fluid measuring and dispensing apparatus. 2,654,506, Oct. 6.

Rambo, Howard H., assignor to Schramm, Inc., West Chester, Pa. Control mechanism for engine driven compressors. 2,639,083, May 19.

Rambo, Sheldon I., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency control system. 2,640,155, May 26.

Rambo, Sheldon I., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tuning stub. 2,647,241, July 28.

Rambo, William R.: *See*—
Kearney, Joseph W., and Rambo.

Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Coaxial line oscillator. 2,633,537, Mar. 31.

Rambo, William R., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Reactance tube circuit. 2,652,538, Sept. 15.

Ramer, Leonard: *See*—
Forman, Sol, Ramer, and Mund.

Ramer, Robert C., Yoe, assignor to Wm. Christensen Co., Inc., York, Pa. Dock loading ramp unit. 2,639,450, May 26.

Ramey, Robert A., Washington, D. C. Separate magnetization of magnetic amplifiers. 2,644,129, June 30.

Ramirez, Ernest J.: *See*—
Gutzeit, Gregoire, and Ramirez.

Ramirez, Miguel A., Sr., El Paso, Tex. Cotton picker nozzle. 2,653,438, Sept. 29.

Ramler, David A., Brookline, Mass. Locking bolt and actuating and anchor releasing means therefor. 2,638,772, May 19.

Ramm, Joseph L., Metairie, La., assignor to Johns-Manville Corporation, New York, N. Y. Traveling waste collector. 2,634,560, Apr. 14.

Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. Ultrahigh-frequency generator. 2,653,272, Sept. 22.

Ramos, Angel: *See*—
Plata, Roberto G., and Ramos.

Ramos, Hector O., assignor to C. Menendez, Buenos Aires, Argentina. Expansible strap. 2,655,664, Oct. 20.

Ramos, Jose B., assignee: *See*—
Varona, Eulalio M., Oscar B., and Olivio B.

Ramos, Lawrence F., assignor to American Steel Foundries, Chicago, Ill. Snubbed spring group. 2,657,040, Oct. 27.

Ramos, Pedro S., assignor to International Register Company, Chicago, Ill. Electrical terminal. 2,650,286, Aug. 25.

Rampe, John F., Cleveland Heights, Ohio. Universal portable tumbling machine and drive therefor. 2,635,473, Apr. 21.

Ramqvist, Tryggve T., Appelviken, assignor to Aktiebolaget Separator, Stockholm, Sweden. Method and apparatus for centrifugal separation. 2,633,294, Mar. 31.

Ramsay, Charles A., Detroit, Mich. Bookholder. 2,624,466, Jan. 6.

Ramsay, Erskine, Birmingham, Ala. Mining and handling coal. 2,651,513, Sept. 8.

Ramsay, Erskine, and R. T. Bagby, Birmingham, Ala. Apparatus for gaseous reduction of iron ore. 2,648,535, Aug. 11.

Ramsay, George D.: *See*—
Burnam, Thompson W., and Ramsay.

Ramsay, Raoul, Cut Knife, Saskatchewan, Canada. Toy boat. 2,661,571, Dec. 8.

Ramsay, William H. W.: *See*—
Gibson, George T., and Ramsay.

Ramsay, William S., assignor to Stark Ceramics, Inc., Canton, Ohio. Making metallic and clay articles. 2,637,890, May 12.

Ramsberger, Elmer F., Philadelphia, Pa. Curtain rod bracket and ring. 2,652,586, Sept. 22.

Ramsdell, Floyd A., assignor to Worcester Film Corporation, Worcester, Mass. Apparatus for making exposures for three-dimensional moving pictures. 2,630,737, Mar. 10.

Ramsden, Hugh E.: *See*—
Church, James M., Ramsden, Hirschl
Buchanan.

Ramsel, Charles A.: *See*—
Risk, Norman E., and Ramsel.

Ramsell, William H., Palo Alto, Calif., and E
strong, Western Springs, Ill. Counting
2,663,495, Dec. 22.

Ramser, John H., Chester, assignor to The At
fining Company, Philadelphia, Pa. Apparat
termining well pressures. 2,637,998, May 12

Ramsey Chain Company, Inc., assignee: *See*—
MacArthur, Thomas F.

Ramsey Corporation, assignee: *See*—
Marien, Melvin W.

Ramsey, George H., Tulsa, Okla., assignor to Sta
Development Company. Drill stem packer w
ing means. 2,637,401, May 5.

Ramsey, George H., Ardmore, Okla., assignor to
Oil Development Company. Formation test
chamber assembly. 2,661,803, Dec. 8.

Ramsey, Grover S., Berkeley, assignor to Grove
Company, Oakland, Calif. Combination press
ing regulator and relief valve. 2,663,121, De

Ramsey, John F.: *See*—
Rust, Noël M., and Ramsay.

Ramsey, King, Odessa, Tex., assignor to The G
Company, Inc., Oklahoma City, Okla. Appa
translating and plotting log charts from dri
charts. 2,638,671, May 19.

Ramsey, Paul A., Altoona, Kans. Drag control
for raising the blades of gang type dis
2,628,548, Feb. 17.

Ramsey, William C., Glendale, Mo., assignor to
dustries, Inc., East Alton, Ill. Continuous
nitration. 2,649,441, Aug. 18.

Ramsing, Frederick C., Phoenix, Ariz. Centrifu
beratory furnace. 2,630,309, Mar. 3.

Ramsland, Ruth, Stavanger, Norway. Fastenin
for blankets. 2,643,390, June 30.

Ramstad, Paul E.: *See*—
Christianson, George, and Ramstad.

Ramuz, Oscar E.: *See*—
De Vecchis, Ineo, and Ramuz.

Ranby, Peter W.: *See*—
McKeag, Alfred H., and Ranby.

Rancho Granada Co., Inc., assignee: *See*—
Moses, Monte, and Peach.

Ranco Inc., assignee: *See*—
Liebermann, John.
Raney, Estel C.

Rancourt, Alphonse, Pittsfield, Mass. Elevato
nism. 2,649,934, Aug. 25.

Rand, Anthony, Des Moines, Iowa. Flush valv
guide. 2,644,951, July 14.

Rand, H. J., Washing Machine Corp., assignee:
Rand, Henry J.

Rand, Henry J., assignor to H. J. Rand Washing
Corp., Bratenahl, Ohio. Shock wave was
vacuum operated squeezer extractor. 2,629,24

Rand, Henry J., assignor to H. J. Rand Washing
Corp., Bratenahl, Ohio. Washing machine
with liquid circulation. 2,633,726, Apr. 7.

Rand, Henry J., Bratenahl, Ohio, assignor to H
Washing Machine Corp., New York, N. Y.
washing machine. 2,636,372, Apr. 28.

Rand, Henry J., assignor to H. J. Rand Washing
Corp., Bratenahl, Ohio. Self-lubricating
2,636,443, Apr. 28.

Rand, Henry J., Bratenahl, Ohio, assignor to H
Washing Machine Corp., South Bend, Ind.
liquids from wet materials. 2,640,342, June

Rand, Henry J., assignor to H. J. Rand Washing
Corp., Bratenahl, Ohio. Liquid level control.
July 21.

Rand, Henry J., assignor to H. J. Rand Washing
Corp., Bratenahl, Ohio. Liquid extraction wit
and heat. 2,656,697, Oct. 27.

Rand, Henry J., Bratenahl, Ohio, assignor to H
Washing Machine Corp., South Bend, Ind.
extraction with vacuum and heat. 2,656,698

Rand, Henry J., assignor to Magic Seal, Inc., H
Ohio. Valve with turbulent flow. 2,659,388, N

Rand, Henry J., assignor to Magic Seal, Inc., H
Ohio. Integral valve and stem with reinforci
2,659,566, Nov. 17.

Rand, Henry J., assignor to Magic Seal, Inc., H
Ohio. Valve with yieldable face. 2,659,567,

Rand, Henry J., Cleveland, Ohio, assignor to
Milliken & Co., Inc., New York, N. Y. Heat
garment. 2,630,573, Mar. 10.

Rand, Henry J., Cleveland, Ohio. Coated
2,630,620, Mar. 10.

Rand, Howard B., and R. N. Hoyt, Haverhill, Mas
ratus for removing carbonized material fro
fabrics. 2,633,588, Apr. 7.

Rand, James H., Jr., Darien, Conn., assignor to
ton Rand Inc., New York, N. Y. Magnetizab
element. 2,640,647, June 2.

Rand, William W., Santa Barbara, assignor to Union Oil Company of California, Los Angeles, Calif. Coring method and apparatus. 2,650,068, Aug. 25.

Rand, William W., Santa Barbara, assignor to Union Oil Company of California, Los Angeles, Calif. Submarine core sampling. 2,650,069, Aug. 25.

Randal, Dudley K., Kennewick, Wash. Resilient clamp for installing tire chains. 2,649,005, Aug. 18.

Randall, A. L., Company, assignee: *See*—
Tredup, Fred W.

Randall, Albert E., Bellmore, N. Y. Fishhook holder. 2,636,309, Apr. 28.

Randall, David I.: *See*—
Renfrew, Edgar E., and Randall.
Solonen, Nicholas W., and Randall.

Randall, David I., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Chlormethyl derivatives of dibenzanthronyl, dibenzanthrone and isodibenzanthrone compounds. 2,645,646, July 14.

Randall, David I., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Chloromethyl derivatives of indigos. 2,657,214, Oct. 27.

Randall, David I., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Methylated pyrazoleanthronebenzanthrones. 2,647,899, Aug. 4.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Chlormethylated aryliphthalimides. 2,624,741, Jan. 6.

Randall, David I., and N. W. Solonen, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Leuco ester printing compositions and solubilizers therefor. 2,628,882, Feb. 17.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Quaternary compounds derived from chloromethylated arylaminobenzanthrones. 2,642,443, June 16.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Chloromethylated aryl thioethers of the anthraquinone series. 2,642,444, June 16.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Chloromethylation of arylaminopolycyclic quinones. 2,645,645, July 14.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Chloromethylated arylaminoanthraquinones. 2,662,902, Dec. 15.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Water-soluble α-arylaminoanthraquinone derivatives. 2,664,427, Dec. 29.

Randall Graphite Products Corporation, assignee: *See*—
Whiteley, Kenneth E.
Whiteley, Robert L., and Hostetler.

Randall, Herbert T., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Method and apparatus for handling paper. 2,650,705, Sept. 1.

Randall, Horace, Pawtucket, R. I., assignor to The H. M. H. Co. Crucifix for rosaries, neck chains, or the like. 2,650,445, Sept. 1.

Randall, John F., Detroit, and R. E. Brooks, assignors to Ford Motor Company, Dearborn, Mich. Welding system. 2,631,215, Mar. 10.

Randall, John T., Birmingham, and H. A. H. Boot, London, England, assignors to English Electric Valve Company, Limited. Magnetron. 2,648,028, Aug. 4.

Randall, Ralph R., Freeport, Ill., assignor to Detroit Safety Clutch Corporation, Detroit, Mich. Gearless differential. 2,651,214, Sept. 8.

Randall, Roy, assignee: *See*—
Bathurst, Thomas T.

Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Pulp molding machine and process. 2,628,540, Feb. 17.

Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Molded pulp wad. 2,628,560, Feb. 17.

Randazzo, Norman J., Brooklyn, N. Y. Film reel device. 2,639,915, May 26.

Randol, Glenn T., Detroit, Mich. Pedally-controlled power-operated clutch. 2,627,953, Feb. 10.

Randol, Glenn T., Detroit, Mich. Automotive variable-ratio power transmission. 2,644,559, July 7.

Randol, Glenn T., Fort Lauderdale, Fla. Automotive transmission control. 2,648,232, Aug. 11.

Randol, Glenn T., Mountain Lake Park, Md. Preselective transmission control for automotive vehicles. Re. 23,623, Feb. 24.

Randol, Glenn T., Mountain Lake Park, Md. Automotive transmission control. Re. 23,691, July 28.

Randol, Glenn T., Mountain Lake Park, Md. Automotive power-transmitting system and mechanism. Re. 23,695, Aug. 4.

Randol, Glenn T., Mountain Lake Park, Md. Automotive power drive control system and mechanism. Re. 23,696, Aug. 4.

Randol, Glenn T., Mountain Lake Park, Md. Hydraulic valve lifter. 2,634,714, Apr. 14.

Randol, Glenn T., Mountain Lake Park, Md. Speed-responsive device. 2,638,518, May 12.

Randol, Glenn T., Mountain Lake Park, Md. Speed-responsive device. 2,643,310, June 23.

Randol, Glenn T., St. Louis, Mo. Automotive friction clutch. 2,624,432, Jan. 6.

Randolph, Alice R., New York, N. Y. Manual shaker-type article cleansing apparatus. 2,648,344, Aug. 11.

Randolph, Robert W., Milton, assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,645,205, July 14.

Randolph, Robert W., Milton, assignor to The Parker Pen Company, Janesville, Wis. Ball-point writing instrument. 2,660,152, Nov. 24.

Randria, Xavier: *See*—
Bonin, Pierre, and Randria.

Randt, Le Roy W., assignor to Clark Equipment Company, Buchanan, Mich.. Oil deflecting means. 2,633,208, Mar. 31.

Raney, Estel C., Delaware, assignor to Ranco Incorporated, Columbus, Ohio. Electric snap switch. 2,651,690, Sept. 8.

Raney, Robert M.: *See*—
Wells, Leland E., and Raney.

Raney, Russell R., Western Springs, E. F. Huddle, Elmwood Park, and O. E. Hintz, Riverside, Ill., assignors to International Harvester Company. Stalk crop harvester. 2,634,569, Apr. 14.

Raney, Russell R., Western Springs, and E. F. Huddle, Elmwood Park, Ill., assignors to International Harvester Company. Harvester pickup. 2,654,209, Oct. 6.

Raney, William E., Lakewood, Ohio. Tool actuating mechanism and control unit therefor. 2,648,238, Aug. 11.

Raney, William G., Shaker Heights, Ohio. Fluid coupling with relatively axially movable vane members. 2,624,175, Jan. 6.

Ranger, Arthur W., Brighton, England. Sheet delivery apparatus for printing machines. 2,637,553, May 5.

Rank, David H., State College, Pa., assignor to De Laval Steam Turbine Company, Trenton, N. J. Optical torque measuring system. 2,629,256, Feb. 24.

Rankin, Dan R., Altadena, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Magnetic power transmission. 2,638,558, May 12.

Rankin, Earl R.: *See*—
Couts, Tony R., and Rankin.

Rankin, Homer C.: *See*—
Cox, Thomas O., Rankin, and Trott.

Rankin, John C.: *See*—
Mehltretter, Charles L., and Rankin.

Rankin, Leslie, Company, assignee: *See*—
Willis, John S.

Rankin, Vera M., executrix: *See*—
Couts, Tony R., and Rankin.

Ranney, Percival K., Lakewood, and C. R. Kazebee, assignors to The France Manufacturing Co., Cleveland, Ohio. Apparatus for operating gaseous discharge tube devices. 2,659,035, Nov. 10.

Ransburg, Edwin M., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating apparatus. 2,655,128, Oct. 13.

Ransburg, Edwin M., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating method and apparatus. 2,658,009, Nov. 3.

Ransburg, Edwin M., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating apparatus. 2,658,472, Nov. 10.

Ransburg Electro-Coating Corp., assignee: *See*—
Helmuth, Richard E.
Orndoff, John D.
Ransburg, Edwin M.
Starkey, William A.
Stoddard, Harold K.
Turner, Robert H.

Ranseen, Emil L., Chicago, Ill. Centrifugal separator. 2,626,747, Jan. 27.

Ranseen, Emil L., assignor to H. L. Feigenholtz, Chicago, Ill. Optical device for correlating observer reading arousal valves. 2,663,218, Dec. 22.

Ransohoff, N., Inc., assignee: *See*—
Ransohoff, Nathan.

Ransohoff, N., Incorporated, assignee: *See*—
Ransohoff, Nathan.

Ransohoff, Nathan, assignor to N. Ransohoff, Incorporated, Cincinnati, Ohio. Method and apparatus for wet grit blasting. 2,632,980, Mar. 31.

Ransohoff, Nathan, Cincinnati, assignor to N. Ransohoff, Inc., Elmwood, Ohio. Continuous conveying and hoisting device. 2,633,855, Apr. 7.

Ransom, Clark W., Schenectady, N. Y. Vented nursing nipple. 2,628,616, Feb. 17.

Ransom, David H., Pines Lake, South Paterson, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electric potential comparing circuit. 2,649,557, Aug. 18.

Ransom, David H., Pines Lake, and H. M. Miller, Upper Montclair, assignors to Bogue Electric Manufacturing Co., Paterson, N. J. Voltage regulator. 2,631,268, Mar. 10.

Ransom, David H., Pines Lake, and F. Benjamin, Fair Lawn, assignors to Bogue Electric Manufacturing Co., Paterson, N. J. Power controlled switch for electric motors. 2,647,232, July 28.

Ransom, David H., W. L. Roberts, and R. H. Taplin, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Pulse time position switching system. 2,649,505, Aug. 18.

Ransom, John B., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collar support. 2,655,295, Oct. 13.

Ransome, Talient H., Oakland, Calif. Heater for supplying hot gases. 2,663,362, Dec. 22.

Ranzi, Ubaldo, Legnano, Italy. Device for adjusting the height of a ring of fluid, particularly water, in hydrodynamic brakes and such like. 2,652,853, Sept. 22.

Rapata, George M., assignor to Illinois Tool Works, Chicago, Ill. Strain-relief grommet. 2,664,458, Dec. 29.

Rapco S.A., assignee: *See*—
Rave, Jean.

Raper, William G., Wetumpka, Ala. Trousers presser. 2,645,389, July 14.

Raphael, Olivius A., Los Angeles, Calif. Folding table. 2,656,232, Oct. 20.

Raphael, Walter, assignor of one-half to B. Bergman, New York, N. Y. Electric lock structure. 2,629,029, Feb. 17.

Raphael, Walter, assignor to General Patent Production Company, New York, N. Y. Comb with self-contained curling device. 2,636,497, Apr. 28.

Raphaelf, Chaim, and I. Minkov, assignors to Naaley Magen Limited, Tel Aviv, Israel. Making platform sandals. 2,641,005, June 9.

"Rapid" Motormäher A.-G., assignee: *See*—
Rutishauser, Arnold.

Rapid Roller Company, assignee: *See*—
Gurin, Emanuel, and Fox.

Rapids-Standard Company, Inc., The, assignee: *See*—
Timmons, James R.

Rapisarda, Edward D., Agawam, Mass., assignor to G. Cella, Inc., New York, N. Y. Confection machinery. 2,657,647, Nov. 3.

Rapoport, Henry, assignor to The Regents of the University of California, Berkeley, Calif. Preparing dihydromorphinone, dihydrocodeinone, and dihydropseudocodeinone. 2,649,454, Aug. 18.

Rapp, Earl J.: *See*—
Coon, Harold R., Sr., and Rapp.

Rapp, Earl J., Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Product transfer mechanism. 2,649,952, Aug. 25.

Rapp, Howard B., Santa Ana, and L. E. Heckathorn, Garden Grove, assignors to Towner Manufacturing Co., Santa Ana, Calif. Power-lift tractor hitch for earth working implements. 2,663,239, Dec. 22.

Rapp, Julius, Forest Hills, assignor to Stein, Hall & Company, Inc., New York, N. Y. Envelope seam gum and a method of preparing it. 2,624,681, Jan. 6.

Rappaport, Lee, New York, N. Y. Applying slide fastener elements to carriers of metal or wire mesh. 2,634,493, Apr. 14.

Rappaport, Max E., Minneapolis, Minn. Vehicle wheel. 2,635,012, Apr. 14.

Rappl, Anton: *See*—
Scinta, Anthony C., and Rappl.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Fuel feeding and accessory system for motor vehicles. 2,625,212, Jan. 13.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle door system. 2,628,091, Feb. 10.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Vehicle seat. 2,631,649, Mar. 17.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,632,196, Mar. 24.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system. 2,641,107, June 9.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Articulated wiper blade. 2,641,789, June 16.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle seat. 2,647,558, Aug. 4.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Remote-controlled valve for windshield cleaners. 2,648,352, Aug. 11.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield clearing system. 2,649,332, Aug. 18.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner system. 2,651,072, Sept. 8.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 2,657,415, Nov. 3.

Rappleyea, Frederick A., Oak Park, assignor to Hubbard Spool Company, Chicago, Ill. Fiber glass spool. 2,654,549, Oct. 6.

Rarick, Morgan J., Madison, Tenn., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Spinning viscose rayon. 2,659,102, Nov. 17.

Ras, Max, Zurich, Switzerland. Roller trip for printing machines. 2,642,798, June 23.

Ras, Max, Zurich, Switzerland. Rotary multicolor transfer printing machine. 2,649,734, Aug. 25.

Ras, Max, Zurich, Switzerland. Circumferentia
register mechanism for rotary printing
2,660,115, Nov. 24.

Rasch, Arthur A., R. W. Henn, and J. I. Cr
signors to Eastman Kodak Company, Roche
Single powder developers containing stabili
hydroxides. 2,649,376, Aug. 18.

Rasch, Carl H., North Tonawanda, N. Y. Stora
paste with amino dye as ion exchange
2,644,023, June 30.

Rasco, Malcolm P., Port Arthur, Tex. Sect
wrench. 2,656,750, Oct. 27.

Raskin, Betty L.: *See*—
Witt, Ralph K., Carson, and Raskin.

Raskin, Joseph, Brooklyn, N. Y. Hinge. 2,641
16.

Raskin, Leon, Brooklyn, N. Y. Heat exchang
2,626,130, Jan. 20.

Raskin, Max, assignee: *See*—
Pemmerl, Michael.

Raskin, Walter, Brooklyn, N. Y. Heat exch
2,646,971, July 28.

Rasmussen, Carlton A., and R. T. Doughty, as
General Motors Corporation, Detroit, Mic
spring surge damping and valve rotatin
2,653,587, Sept. 29.

Rasmussen, Ida M., New Brunswick, and E.
Middletown, assignors to Merck & Co., Inc.,
N. J. Mothproofing agent and material cont
same. 2,654,677, Oct. 6.

Rasmussen, Leonard E.: *See*—
Landsverk, Ole G., and Rasmussen.

Rasmussen, Marie E., Neola, Iowa. Dish
2,635,027, Apr. 14.

Rasmussen, Martin R., Galveston, Tex. Gravel
2,645,986, July 21.

Rasmussen, Robert, Detroit, Mich. Alternat
valve. 2,626,066, Jan. 20.

Rasmussen, Susan L., assignee: *See*—
Lewis, Henry E.

Rasmussen, Svend A., New York, N. Y. Ratch
for use with turnbuckles. 2,654,281, Oct. 6.

Rasmussen, Sverre, New York, N. Y. Electrical
time control. 2,627,415, Feb. 3.

Rasmussen, Thomas J.: *See*—
Mathes, Kenneth N., and Rasmussen.

Rasmussen, Thomas J., Schenectady, N. Y., a
General Electric Company. Silicone-impregn
faces suitable for ironing. 2,635,040, Apr. 14.

Rasmusson, Marlin B., Sacramento, Calif. Bagg
with pivotally mounted guide and spreade
2,633,281, Mar. 31.

Rasor, John P., San Gabriel, Calif. Apparatus a
for testing pipe coating. 2,650,346, Aug. 25.

Rassieur, Theodore E., University City, assignor
Mine Equipment Company, St. Louis, Mo. Mi
2,650,071, Aug. 25.

Rassner, Henry, Union City, assignor to S. Bog
Bergen, N. J. Sport shirt having detachabl
panel. 2,647,261, Aug. 4.

Ratchford, William P., Philadelphia, Pa., as
the United States of America as represente
Secretary of Agriculture. 4,4,6-trimethyl-2-(1
ethyl)-5,6-dihydro-1,3-4H-oxazine. 2,648,664,

Ratcliff, George R., London, England. Escape
trolled movable doll eye. 2,638,710, May 19.

Ratcliff, Karl A.: *See*—
Austin, James A., and Ratcliff.

Ratcliffe, Fred A., Rochester, N. A. Ryan, Gree
E. Ford, Brighton, N. Y.; said Ford assignor to
Corporation, East Rochester, N. Y., said Ra
said Ryan assignors to The Lawyer's Co-Oper
lishing Company, Rochester, N. Y. Expan
binder. 2,646,800, July 28.

Ratcliffe, Temple W.: *See*—
Harter, Isaac, Jr., and Ratcliffe.

Raterink, Harry R., Drexel Hill, assignor to Roh
Company, Philadelphia, Pa. Chlorome
2,630,459, Mar. 3.

Ratermann, Alfred C.: *See*—
Ryan, William, Jr., and Ratermann.

Rath, Stephen, assignor to Science Associates
York, N. Y. Stabilized azulene oil. 2,629,75

Rath, William H., Westminster, Md. Simulated
2,635,879, Apr. 21.

Rathborne, Mervyn R., Half Moon Bay, Calif. I
electrical connector having terminal clampi
2,652,547, Sept. 15.

Rathburn, James F.: *See*—
Stevens, Clark F., and Rathburn.

Rathke, Harry C., assignor to The Meyercord
Chicago, Ill. Vitreous decalcomania. 2,629,
24.

Rathke, Harry C., assignor to The Meyercord
Chicago, Ill. Vitreous decalcomania and meth
plying the same. 2,629,679, Feb. 24.

Rathman, Gilbert, Union, N. J., assignor, by mea
ments, to Dresser Industries, Inc. Adjust
arrangement for the high-pressure ends of flu
and motors of the rotary screw type. 2,656
27.

Rathman, Gilbert, Union, N. J., assignor, by mes
ments, to Dresser Industries, Inc. Automati
anced rotor assembly. 2,664,304, Dec. 29.

Ratte, William G., Lawrence, Mass. Fastener for storm sash and the like. 2,624,605, Jan. 6.
Ratti, Luis P., Buenos Aires, Argentina. Spring clip for fastening papers. 2,629,153, Feb. 24.
Rau Fastener Company, assignee: *See*—
Reiter, Harold J.
Rau, Kurt E., Kansas City, Mo. Portable barbecue oven. 2,626,559, Jan. 27.
Rau, Robert S., Fanwood, and W. Rau, assignors to Atlantic Builder's Supply Corp., Chatham, N. J. Carrier for plate-form building material. 2,651,441, Sept. 8.
Rau, Winfield: *See*—
Rau, Robert S. and W.
Rauch, Albert C., Blue Island, Ill. Preparing soup. 2,657,999, Nov. 3.
Rauch, August H.: *See*—
Meiler, John G., Hallonquist, and Rauch.
Rauen, John T., Detroit, Mich. Carburetor. 2,628,085, Feb. 10.
Raught, Arthur V.: *See*—
Boll, John H., and Raught.
Raught, Arthur V., Birmingham, assignor to Dearborn Motors Corporation, Highland Park, Mich. Nonrigid frame mounting for lift type implements. 2,649,722, Aug. 25.
Raught, Arthur V., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Rear gang for tractor cultivators. 2,645,988, July 21.
Rauglas, Gerard, Minneola, Fla. Sculling apparatus. 2,639,684, May 26.
Rauglas, Gerard, Minneola, Fla. Locking device. 2,658,777, Nov. 10.
Rauh, Elmer M., and C. W. Bergerson, Buffalo, N. Y. Medical diagnostic instrument. 2,652,825, Sept. 22.
Rauh, Francis A.: *See*—
Allen, Boyd J., and Rauh.
Rauh, Rudolph K.: *See*—
Davis, Donald K., and Rauh.
Rauhut, John R., Chicago, Ill. Air-conditioning and humidifying apparatus. 2,638,644, May 19.
Rauland Corporation, The, assignee: *See*—
Bailey, James S.
Boeing, Harry H.
Buttino, Albert L., and Patterson.
De Ano, John F.
Joseph, Perry R.
Kester, Arthur S., and Cahill.
O'Callaghan, Jerome J.
Pakswer, Serge.
Shawfrank, Robert W.
Spindler, Joseph C.
Pakswer, Serge, and Intiso.
Peterman, Russel S.
Schmalz, Henry H.
Van Ornum, Wesley H.
Rault, Michel, Sceaux, assignor to Societe Anonyme Usines Decoufle, Paris, France. Automatic tobacco feeding cigarette machine. 2,660,177, Nov. 24.
Rault, Michel, Sceaux, assignor to Societe Anonyme Usines Decoufle, Paris, France. Formation of the roll of tobacco in cigarette-making machines. 2,660,178, Nov. 24.
Rauner, Lawrence A.: *See*—
Hunter, Melvin J., and Rauner.
Rausch, Albert R., East Greenbush, assignor to Sterling Drug Inc., New York, N. Y. Fragile article packaged in popped corn. 2,649,958, Aug. 25.
Rausch, Clifford A., Long Island City, and R. C. Friedrich, Ridgewood, N. Y. Eyelash processor. 2,630,516, Mar. 3.
Rauscher, Elbridge F., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Motor and transmission compartment for washing machines. 2,641,426, June 9.
Rauscher, Frederic A., North Hollywood, Calif. Drying rack. 2,625,277, Jan. 13.
Rausenberger, Larence E., and D. L. Getz, assignors to The Steel Products Engineering Company, Springfield, Ohio. Chain hoist mechanism. 2,649,280, Aug. 18.
Rauser, Charles K., Baltimore, Md. Sheet metal lay-out device. 2,632,250, Mar. 24.
Rave, Jean, Nice, France, assignor to Rapco S. A., Tangier, North Africa. Means for fastening shoe laces. 2,624,927, Jan. 13.
Raver, Francis M., assignor to York Corporation, York, Pa. Starting circuit for low torque variable-speed motors. 2,650,337, Aug. 25.
Ravese, Thomas, Port Chester, N. Y., and E. V. Bentley, Philadelphia, Pa., assignors to Combustion Engineering, Inc. Vapor-from-liquid separator apparatus. 2,648,397, Aug. 11.
Ravich, Leonard E., assignor to Brown-Allen Chemicals, Inc., New York, N. Y. Apparatus for photochemical dyeing. 2,655,802, Oct. 20.
Ravigneaux, Pol, Neuilly-sur-Seine, France. Epicyclic change-speed gear. 2,631,476, Mar. 17.
Ravin, Harry, Burbank, Calif. Luminous indicia dial for telephones. 2,656,628, Oct. 27.
Raviolo, Victor G.: *See*—
Haynes, Alex L., and Raviolo.
Ravizza, Gottfried, Wetzlar, K. Keiner, Berghausen, and W. Klein, Dutenhofen, Germany, assignors to E. Leitz, G. m. b. H. Microscope objective. 2,644,362, July 7.
Rawding, Emerson S.: *See*—
Ashton, Benjamin N., Frain, and Rawding.
Rawlings, Arthur L., Waterbury, Conn., assignor to The Sperry Corporation. Self-orienting three-axis reference apparatus. 2,637,914, May 12.
Rawlings, John L., Elmont, assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Reticle mount and adjusting mechanism. 2,625,742, Jan. 20.
Rawlings Manufacturing Company, assignee: *See*—
Latina, Harry B.
Rawlings, Marshall F.: *See*—
Houston, William L., Jr., and Rawlings.
Rawlins, Charlotte M., administratrix: *See*—
Rawlins, Herbert L.
Rawlins, Herbert L., deceased, late of Pittsburgh, Pa., by C. M. Rawlins, administratrix, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,660,647, Nov. 24.
Rawlins, Herbert L., Pittsburgh, and J. M. Wallace, Braddock, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,624,817, Jan. 6.
Rawlins, Herbert L., R. C. Dickinson, and R. E. Frink, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,632,075, Mar. 17.
Rawson, Arthur J.: *See*—
Hartline, Haldan K., Rawson, and Legallais.
Milne, Lorus J., Rawson, and Hartline.
Rawson Electrical Instrument Company, assignee: *See*—
Lush, Morley J.
Ray, Alfred C.: *See*—
Heitlinger, Eugene V., Fields, and Ray.
Ray, Carlo, North Hollywood, and D. Ray, Beverly Hills, Calif. Apparatus for automatically continuously and alternately supplying a flowable commodity to alternately movable cartons carried in parallel lines. 2,628,010, Feb. 10.
Ray, Charles A.: *See*—
Cutcher, Haskell W., and Ray.
Ray, Don: *See*—
Ray, Carlo and D.
Ray, Fredric A., Reseda, Calif. Strap buckle. 2,634,480, Apr. 14.
Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Selective removal of acetylene from hydrocarbon streams. 2,636,911, Apr. 28.
Ray, Gardner C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and apparatus for segregating fluids transported by a pipeline. 2,657,700, Nov. 3.
Ray, Harold E.: *See*—
Johnson, Malcolm S., and Ray.
Ray, James E., Birmingham, Ala. Fly rod bait. 2,633,660, Apr. 7.
Ray, Linton G., Jr., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyeing of acrylonitrile polymers with acetate dyes. 2,654,652, Oct. 6.
Ray, Major, Wellston, Mo. Floor waxer. 2,642,605, June 23.
Ray, Neil H.: *See*—
Buckley, Gerard D., and Ray.
Ray, Robert H., Co., assignee: *See*—
Frowe, Eugene W.
Ray, Robert W., Dearborn, Mo. Bale sled. 2,649,982, Aug. 25.
Ray, Robt. H., Inc., assignee: *See*—
Sellers, Clemille F.
Ray, Vanney A., Huntington Park, Calif., assignor to Rayplate Corporation, Chicago, Ill. Metal particle coated press plate. 2,632,968, Mar. 31.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Safety control fuel valve. 2,624,358, Jan. 6.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Temperature responsive apparatus for controlling cooling systems. 2,628,034, Feb. 10.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Manual override for pressure operated systems. 2,630,783, Mar. 10.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Combination recording and magnetically operated indicating instrument. 2,637,618, May 5.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Multiport valve. 2,637,985, May 12.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Valve structure. 2,639,727, May 26.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Pressure governor. 2,641,871, June 16.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Hot-air furnace control. 2,642,227, June 16.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Diaphragm valve having an adjustably mounted pivoted pilot valve. 2,651,326, Sept. 8.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Gas burner control system. 2,652,109, Sept. 15.

Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Automatic safety valve for fuel burners. 2,653,622, Sept. 29.
Ray, William A., North Hollywood, Calif. Steam generator. 2,656,821, Oct. 27.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Handle connection for plug valves. 2,664,103, Dec. 29.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Automatic valve operating in response to temperature changes. 2,664,246, Dec. 29.
Ray, William A., North Hollywood, Calif. assignor to General Controls Co. Hydraulically balanced gate valve structure. 2,664,267, Dec. 29.
Ray, William R., Los Angeles, Calif., assignor to General Controls Co. Circulator pump structure. 2,646,001, July 21.
Raybestos-Manhattan, Inc., assignee: *See*—
Batchelor, Clyde S., and Cofek.
Bertolet, Elmer C., Jr.
Glynn, Thomas, and Cleever.
Holmes, Robert L.
Kingman, George F.
Novak, Izador J.
Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling coils of strand material. 2,628,040, Feb. 10.
Rayder, Joseph A., Philadelphia, Pa. Manually adjustable sound detector for accurately locating defects in high or low speed motors and machinery. 2,633,205, Mar. 31.
Rayette, Inc., assignee: *See*—
Den Beste, Marion J.
Rayfield, C. L., Company, assignee: *See*—
Rayfield, Charles L.
Rayfield, Charles L., assignor to C. L. Rayfield Company, Chicago, Ill. Manually operated outboard motor. 2,633,096, Mar. 31.
Raylite Electric Corp., assignee: *See*—
Bronson, Frederic L.
Raymond Bag Company, The, assignee: *See*—
Moore, Kenneth N.
Peters, Harry, and Tilton.
Raymond, Charles W., Cambridge, N. Y. Portable artillery shield. 2,656,765, Oct. 27.
Raymond, Clifford H., Iron River, Mich. Truck leader. 2,645,360, July 14.
Raymond Concrete Pile Company, assignee: *See*—
Hart, Linton.
Kinneman, William P.
Kinneman, William P., and Riker.
Smith, Edward A.
Raymond Engineering Laboratory, Inc., assignee: *See*—
Raymond, Grace L. and H. H.
Raymond, François H.: *See*—
Gloess, Paul F. M., and Raymond.
Raymond, Grace L. and H. H., Berlin, assignors to Raymond Engineering Laboratory, Inc., Middletown, Conn. Coaster. 2,641,911, June 16.
Raymond, Horace H.: *See*—
Raymond, Grace L. and H. H.
Raymond, Jerry W., Wenatchee, Wash. Attachment for fishhooks. 2,632,278, Mar. 24.
Raymond, John C.: *See*—
Wilcox, Henry O., Raymond, and Opheim.
Raymond, Joseph H., Chicago, Ill. Paper tube winding apparatus. 2,644,376, July 7.
Raymond, Lambert L., Minneapolis, Minn. Christmas tree ornament. 2,659,993, Nov. 24.
Raymond, Richard C., assignor to Haller, Raymond and Brown, Inc., State College, Pa. Indicating and recording systems. 2,648,838, Aug. 11.
Raymor, Willard: *See*—
Anderson, David E., Kolonick, and Raymor.
Raymor, Willard, assignor to Thompson Products, Inc., Cleveland, Ohio. Supplementary feed device for internal-combustion engines. 2,657,913, Nov. 3.
Rayner, Robert C., Dayton, Ohio. Overload release coupling. 2,638,762, May 19.
Raynolds, Reginald M., Summit, N. J. Machine for attaching index tab covers. 2,630,046, Mar. 3.
Raynor, Richard N., Danville, and D. Stewart, Sacramento, Calif., assignors to The Dow Chemical Company, Midland, Mich. Maturing of crops. 2,649,364, Aug. 18.
Raynor, Richard N., Danville, and D. Stewart, Garden Grove, Calif., assignors to The Dow Chemical Company, Midland, Mich. Maturing of crops. 2,649,365, Aug. 18.
Rayonier Incorporated, assignee: *See*—
Bock, Louis H.
Bock, Louis H., and Carlson.
Gray, Kenneth R., and Crosby.
Ray-O-Vac Company, assignee: *See*—
Herbert, William S.
Wengel, Arthur M.
Rayplate Corporation, assignee: *See*—
Anderson, Homer G.
Brown, William C.
Calosi, Carlo L.
Dawson, John W.
Faulk, Donald P.
Gardner, Bernard C.
Gottschalk, Winston M.
Gottschalk, Winston M., and Chaffee.
Hergenrother, Rudolf C., and Rudenberg.
Horton, Edgar.
La Rue, Albert D.
Ray, Vanney A.
Reed, John.
Riblet, Henry J.
Spencer, Percy L.
Raytheon Manufacturing Company, assignee: *See*—Continued
Abate, Anthony.
Batchelder, Laurence.
Beveridge, Harold N.
Bloch, Richard M.
Borgeson, Paul W.
Brown, William C.
Buckbee, John A.
Calosi, Carlo L.
Carwile, Preston B.
Davis, Luther, Jr., and Carwile.
Dawson, John W., and F. A., and T. A. O.
De Turk, John E., and MacNeill.
Fryklund, Robert A.
Gannaway, Robertson R.
Hall, William M., and Gross.
Katz, Leonhard.
Mofenson, Jack.
Nichols, Nathaniel B., and Aloisio.
Nickson, Philip T.
Pike, Eugene W.
Riblet, Henry J.
Saad, Theodore S.
Saul, Waldo A., and Staller.
Segerstrom, Carl A.
Spencer, Percy L.
Stolberg, Sven A.
Stutsman, Paul W.
Torrey, Bradford M.
Turner, Edwin E., Jr.
West, Charles F.
Raytheon Television and Radio Corporation, *See*—
Schreiner, Louis W.
Razdow, Adolph, New York, N. Y. Snap
2,650,964, Sept. 1.
Raze, Douglas D., Minneapolis, Minn. Toy steeri
anism. 2,641,869, June 16.
Razek, Joseph, Llanerch, assignor, by mesne ass
to Reconstruction Finance Corporation, Phil
Pa. Control or metering system. 2,627,058,
Razek, Joseph, Llanerch, Pa., assignor, by mesn
ments, to Cochrane Corporation. Averagin
2,627,372, Feb. 3.
Rea, Arthur A., Portland, Oreg. Auxiliary slip-o
for screw drivers and similar tools. 2,653,637,
Rea, Wilton T.: *See*—
Gardner, Leland A., and Rea.
Rea, Wilton T., Manhasset, assignor to Bell T
Laboratories, Incorporated, New York, N. Y
graph signal distortion measuring apparatus. 2
Jan. 6.
Rea, Wilton T., Manhasset, assignor to Bell T
Laboratories, Incorporated, New York, N. Y.
ray translating system for permutation
2,654,878, Oct. 6.
Rea, Wilton T., Manhasset, assignor to Bell T
Laboratories, Incorporated, New York, N. Y.
indicating code mechanism. 2,657,261, Oct. 2
Reaction Motors, Inc., assignee: *See*—
Lawrence, Lovell, Jr.
Pearlman, Bernard.
Reaction Products Company, The, assignee: *See*—
Merrill, Homer D., and Gaiser.
Read, Charles E., and R. H. Whisler, Jr., assi
Monroe Auto Equipment Company, Monroe, Mi
ton assembly for shock absorbers. 2,646,859,
Read, George E., Santa Monica, Calif. Appar
making refrigerated comestibles. 2,646,974, Ju
Read, James L.: *See*—
Meyer, Edgar J., and Read.
Read, Leonard M.: *See*—
Sullivan, Robert, Glendinning, and Read.
Read, Robert C., Weston, and F. J. Gregor, Wilto
Sofa bed. 2,644,169, July 7.
Read, Robert E., Glens Falls, assignor to Unio
Paper Corporation, New York, N. Y. Automa
aging machine. 2,650,058, Aug. 25.
Read Standard Corporation, assignee: *See*—
Bortner, David C.
Glaze, Herbert L., and Beltz.
Jorgenson, Gerald A.
Martin, Eugene.
Rhodes, Herbert C.
Vitz, Carl M.
Whitfield, Joseph E.
Reade, Ralph B., Rye, assignor to Federal Teleph
Radio Corporation, New York, N. Y. Controll
ceptance of a post type obstacle. 2,645,679,
Reading, Harold C., London, England. Drill
jig. 2,660,008, Nov. 24.
Reading, Harold C., London, assignor to Coventr
& Tool Company Limited, Coventry, England.
measuring device. 2,626,465, Jan. 27.
Ready, Ethel M., New York, N. Y. Cosmetic ap
2,654,111, Oct. 6.

Reagan, Maurice E.: *See*—
Derr, Willard A., and Reagan.

Reagle, Ray, Abilene, Kans. Digger for endless chain-type ditching machines. 2,636,291, Apr. 28.

Ream, Sarah, assignee: *See*—
Ream, William H.

Ream, William H., assignor of one-half to S. Ream, Johnstown, Pa. Hair-trimming comb. 2,624,937, Jan. 13.

Reasenberg, Julian R., Brooklyn, assignor to Mizzy, Inc., New York, N. Y. Benzocaine anesthetic solution. 2,628,182, Feb. 10.

Reasoner, Richard C., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Automatic shutoff valve. 2,633,866, Apr. 7.

Reaume, Josephine M., assignee: *See*—
Stafford, Martin L.

Rebenstock, August: *See*—
Neugebauer, Wilhelm, Barthenheier, and Rebenstock.

Reber, Clarence G., Newington, assignor to Plax Corporation, West Hartford, Conn. Internal spreader for gusseting lay-flat tubing. 2,631,332, Mar. 17.

Rech, Robert H., assignor to A. O. Smith Corporation, Milwaukee, Wis. Starting relay circuit for single phase motors. 2,636,153, Apr. 21.

Rechler, Morton D., assignor to Rexart Metal Industries, Inc., New York, N. Y. Folding chair. 2,630,162, Mar. 3.

Rechler, Morton D., assignor to Rexart Metal Industries, Inc., New York, N. Y. Folding chair. 2,649,138, Aug. 18.

Rechler, Morton D., assignor to Rexart Metal Industries, Inc., New York, N. Y. Chair with detachable footrest. 2,664,148, Dec. 29.

Recht, Sidney, Bronx, N. Y. Combination package. 2,639,806, May 26.

Rechtin, Clarence R., assignor to The J. H. Day Company, Inc., Cincinnati, Ohio. Stuffing box for dough mixers. 2,638,364, May 12.

Rechtin, Clarence R., and W. P. Bruestle, assignors to The J. H. Day Company, Inc., Cincinnati, Ohio. Proofer tray. 2,640,583, June 2.

Reck, Frank, Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tool for effecting solderless connections between a wire and a terminal. 2,649,121, Aug. 18.

Reck, Peter C., and L. J. Stern, assignors to Sperti Faraday Inc., Adrian, Mich. Vibrator switch construction. 2,650,277, Aug. 25.

Recker, Florian B., assignee: *See*—
Recker, Gerald J.

Recker, Florian B., Hopkinton, Iowa. Reversible power transmission unit. 2,636,400, Apr. 28.

Recker, Gerald J., near Hopkinton, assignor to F. B. Recker, Hopkinton, Iowa. Unloading mechanism for vehicle boxes. 2,627,761, Feb. 10.

Recknagel, Frederick W., assignor to Schatz Manufacturing Company, Poughkeepsie, N. Y. Antifriction bearing structure. 2,651,554, Sept. 8.

Recob, John D., assignor of one-half to W. R. Ross, Springfield, Ohio. Adjustable awning. 2,642,634, June 23.

Reconstruction Finance Corporation, assignee: *See*—
Barnard, Randolph H.
Bennetch, Leonard M.
Curran, John R.
Dahl, Edward T.
Davis, Franklin O.
Frieder, Leonard P., and Finken.
Frieder, Leonard P., and Garber.
Frieder, Leonard P., Garber, and Baker.
Manley, John C.
Patrick, Joseph C., and Ferguson.
Razek, Joseph.
Schwenzfeier, Carl W., Jr., and Pomelee.
Treff, Alfred.

Record Files, Inc., assignee: *See*—
Regenhardt, Hans W.

Records, Paul, Elwood, Ind. Table. 2,659,642, Nov. 17.

Rector, L. L., assignee: *See*—
Schnitter, Sylvester B.

Rector, Nelson H., Atlanta, Ga. Rolling scaffold. 2,645,531, July 14.

Reda Pump Company, assignee: *See*—
Arutunoff, Armais.

Redd, Thomas J., Tulsa, Okla. Back pressure safety valve. Re. 23,645, Apr. 14.

Redden, Thomas K.: *See*—
Herres, Schuyler A., and Redden.

Reddie, William A.: *See*—
Spence, Andrew, Lev, and Reddie.

Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,643,853, June 30.

Redding, Arnold H., Wallingford, I. R. Whiteman, Philadelphia, and W. F. Thompson, Jr., Wallingford, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Anti-icing apparatus having means to control tempertaure and pressure of the heating gases. 2,648,193, Aug. 11.

Redding, George L., assignor to Monroe Auto Equipment Company, Monroe, Mich. Sway bar bushing applying machine. 2,658,269, Nov. 10.

Redding Manufacturing Company, Inc., assignee: *See*—
Ryan, Albert O.

Redetzke, Emery C., Rock Island, Ill., assignor to J. I. Case Company, Racine, Wis. Spring-controlled shovel mount for cultivators. 2,634,665, Apr. 14.

Redfern, Donald V., assignor to American-Marietta Company, Adhesive, Resin and Chemical Division, Seattle, Wash. Producing cellulose mass and product. 2,631,097, Mar. 10.

Redfern, Donald V., assignor to American-Marietta Company, Adhesive, Resin and Chemical Devision, Seattle, Wash. Production of thermosetting phenol-aldehyde resin condensation products. 2,631,098, Mar. 10.

Redfield, Alfred C., Woods Hole, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Density meter. 2,644,329, July 7.

Redfield, Charles V., Portland, Oreg. Lawn edger. 2,654,180, Oct. 6.

Redfield, George E., assignor to Admiral Corporation, Chicago, Ill. Phonograph record changer. 2,636,742, Apr. 28.

Redfield, George E., assignor to Admiral Corporation, Chicago, Ill. Record changer. 2,643,128, June 23.

Redheffer, Raymond, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio wave radiating system. 2,624,843, Jan. 6.

Redheffer, Raymond M.: *See*—
McMillan, Edward B., Leaderman, and Redheffer.

Redheffer, Raymond M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Computer for evaluating complex integrals. 2,638,268, May 12.

Redheffer, Raymond M., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Computing machine. 2,656,102, Oct. 20.

Redick, David C.: *See*—
Brown, William E., Redick, and McWilliams.

Redinbaugh, James O., assignor to C. C. Correctional Tool Company, Tulsa, Okla. Camber correction tool. 2,635,668, Apr. 21.

Redington, F. B., Co., assignee: *See*—
Malhiot, Clarence J.

Redlich, Abraham J., assignor to The Redlich Manufacturing Company, Pittsburgh, Pa. Leg connector for table tops. 2,631,076, Mar. 10.

Redlich Manufacturing Company, The, assignee: *See*—
Redlich, Abraham J.

Redlin, Lorraine A., Chicago, assignor of one-half to Betty Michals, Winnetka, Ill. Adjustable baby bonnet. 2,624,052, Jan. 6.

Redlind, John O., Napa County, assignor of one-quarter to C. E. Bargewell, Gustine, Calif. Spring actuated wheel and track device. 2,639,152, May 19.

Redman, Albert M., Croydon, and A. F. Frost, Linkinhorne, Callington, assignors to Redman Tools & Products Limited, Croydon, England. Machine for bending and forming metal articles. 2,636,537, Apr. 28.

Redman Tools & Products Limited, assignee: *See*—
Redman, Albert M., and Frost.

Redmond Company, Inc., assignee: *See*—
Bohl, Robert C.
Weis, William B.
Wylie, Andrew R.

Redmond, John A.: *See*—
Corteggiano, William L., and Redmond.

Redmond, John A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controlled induction heating with scanning. 2,647,200, July 28.

Redmond, John A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat-treatment apparatus. 2,663,789, Dec. 22.

Redmond, John C.: *See*—
McKenna, Philip M., Redmond, and Smith.

Redmond, John M., Jr.: *See*—
Kice, Jack W., and Redmond.

Redmond, Robert L., assignor to Automotive Rubber Company, Incorporated, Detroit, Mich. Spreader tool with grooved nose elements. 2,650,735, Sept. 1.

Redmond, William T., Kennewick, Wash. Argon gas feed apparatus for electrodes. 2,630,513, Mar. 3.

Redner, Arthur D., Farmington, assignor to General Filters, Inc., Detroit, Mich. Filter. 2,658,624, Nov. 10.

Redo, Felix, New London, Conn. Bobby pin setter. 2,632,451, Mar. 24.

Redrow, Allan R., assignor to The New Holland Machine Division of The Sperry Corporation, New Holland, Pa. Tooth means for side-delivery rake. 2,641,101, June 9.

Reece, Clarence D., Duluth, assignor to Car-Ree-All Products, Inc., Minneapolis, Minn. Vacuum cleaner cart. 2,636,207, Apr. 28.

Reece Corporation, The, assignee: *See*—
Reece, John B., and Putnam.

Reece, John B., Dedham, and J. P. Putnam, assignors to The Reece Corporation, Boston, Mass. Magnetic compass. 2,638,683, May 19.

Reece, John O., and S. H., Wandsworth, London, England. Filament tensioner. 2,643,857, June 30.

Reece, Stanley H.: *See*—
Reece, John O., and S. H.

Reece, Theodore R., Calgary, Alberta, Canada. Dispenser for drinking straws. 2,657,109, Oct. 27.

Reed, Alfred S., assignor to Ripon Knitting Works, Ripon, Wis. Golf club head cover. 2,633,173, Mar. 31.

Reed, Anne E., assignee: *See*—
Reed, Maurice J.

Reed, Arthur W., Little Rock, Ark. Display rack. 2,633,249, Mar. 31.

Reed, Blair J., assignee: *See*—
Reed, Ira F.

Reed, Buckley R., Louisville, Ky., assignor to the United States of America as represented by the Secretary of the Army. Draft diverter. 2,640,413, June 2.

Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Control of flow of granular material. 2,642,206, June 16.

Reed, Charles C.: *See*—
Weidenheimer, Joseph F., Reed, Ritter, and Upham.

Reed, Charles H., Bobtown, Pa. Transit support. 2,638,302, May 12.

Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Spring construction. 2,642,125, June 16.

Reed, Claude, Omaha, Nebr. Mixing device for frozen confections. 2,626,132, Jan. 20.

Reed, Claude A., Omaha, Nebr. Apparatus for processing frozen comestibles. 2,626,133, Jan. 20.

Reed, Daniel E., Norwalk, Conn, assignor to Supersite Corporation, Bronx, N. Y. Rearview mirror apparatus. 2,643,084, June 23.

Reed, Daniel E., Norwalk, Conn., assignor to Supersite Corporation, New York, N. Y. Rearview mirror apparatus. 2,644,658, July 7.

Reed, Eo, assignor to Armco Steel Corporation, Middletown, Ohio. Pallet-type brick package. 2,630,214, Mar. 3.

Reed, Flood E., Jr., Belmont, assignor to Arthur D. Little, Inc., Cambridge, Mass. Adjustable electromagnet and cooling means therefor. 2,664,527, Dec. 29.

Reed, Frank A., Butler, Pa. Inverted well packer. 2,649,158, Aug. 18.

Reed, Frank A., assignor to Larkin and Company, Inc., Butler, Pa. Well packer. 2,633,199, Mar. 31.

Reed, George: *See*—
Dale, Vernon F., and Reed.

Reed, George E., Pontiac, Mich. Garage door opener 2,641,467, June 9.

Reed, George H., assignor to Acme Steel Company, Chicago, Ill. Staple forming and driving machine. 2,635,234, Apr. 21.

Reed, George W.: *See*—
Dale, Vernon F., and Reed.

Reed, Gerald M., Santa Monica, Calif. Airplane step. 2,647,677, Aug. 4.

Reed, Homer C.: *See*—
Berg, Clyde H. O., Reed, and Hartley.

Reed, Homer C., Glendale, and C. H. O. Berg, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Hydrogen process. 2,635,947, Apr. 21.

Reed, Ira F., assignor of one-half to B. J. Reed, Johnstown, Pa. Wall block mold. 2,624,929, Jan. 13.

Reed, John: *See*—
Ragan, George L., and Reed.

Reed, John, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electromagnetic wave filtering device. 2,629,015, Feb. 17.

Reed, John C., Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse forming circuit. 2,632,847, Mar. 24.

Reed, Lawrence E., York, Nebr. Gravity actuated spiral track device. 2,634,128, Apr. 7.

Reed, Mary E., assignee: *See*—
Reed, Russell O.

Reed, Maurice J., Red Bank, N. J. Armrest. 2,633,180, Mar. 31.

Reed, Maurice J., Red Bank, assignor of three-eighths to A. E. Reed, and two-eighths to T. J. Eurell, II, Middletown Township, Monmouth County, N. J. Ball-point pen with ball-bearing mount. 2,627,247, Feb. 3.

Reed, Maurice J., assignor of three-eighths to A. E. Reed, and two-eighths to T. J. Eurell, II, Middletown Township, Monmouth County, N. J. Ball-point pen. 2,652,031, Sept. 15.

Reed, Ralph W., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Back-stand grinder. 2,637,952, May 12.

Reed, Raymond A.: *See*—
Duhamel, Howard G., Campbell, and Reed.

Reed, Raymond E., and J. H. Brant, Arlington Heights, and R. J. Olson, Skokie, Ill., assignors to The Gillette Company, Boston, Mass. Hair curling device. 2,657,694, Nov. 3.

Reed, Robert C.: *See*—
Baratelli, Charles A., and Reed.

Reed, Robert G., and F. C. Crowley, assignors to John Widdicomb Company, Grand Rapids, Mich. Glue blockmaking machine. 2,637,352, May 5.

Reed, Robert M.: *See*—
Christain, Donald C., and Reed.

Reed, Robert M., Louisville, Ky., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Tubular reactor with expansion compensator. 2,654,657, Oct. 6.

Reed, Robert R., Tulsa, Okla. Material separator. 2,657,802, Nov. 3.

Reed Roller Bit Company, assignee: *See*—
Boice, Elvin G.
Boice, Elvin G., Peter, and Volmert.
Del'Homme, Daniel L.
Elliott, Charles H.
Noble, Wiley B.
Peter, Robert G.
Schmid, Paul E.
Stokes, John C.

Reed, Russell O., assignor of one-half to M. E. R
cada, Oreg. Adjusting gate for fish ladders. Jan. 20.

Reed, Stanley F., Washington, D. C. Apparatus dling of foods. 2,625,242, Jan. 13.

Reed, Thomas F.: *See*—
Bishop, Charles A., and Reed.

Reed, Thomas M. III: *See*—
Fenske, Merrill R., and Reed.

Reed, Wade R., Tulsa, Okla. Vertical weld L cu beveling machine. 2,652,243, Sept. 15.

Reed, Wilbur S., Philadelphia, Pa. Metal slide for tables. 2,631,911, Mar. 17.

Reed, Winston H., Syracuse, and W. A. Pe Fayetteville, assignors to Carrier Corporation, N. Y. Refrigeration system containing novel ant. 2,630,686, Mar. 10.

Reedall, Harold M., Shaker Heights, Ohio. Co apparatus and method. 2,637,177, May 5.

Reeder, Harry J., Buffalo, N. Y. Utility holder mobiles. 2,640,596, June 2.

Reeder, William H., Olean, N. Y., assignor to Fish tific Company, Pittsburgh, Pa. Liquid-gas co paratus. 2,628,159, Feb. 10.

Reeder, William H., III, Olean, N. Y., assignor, assignments, to Dresser Operations, Inc., Calif. Oxidation of aromatic hydrocarbons to 2,662,923, Dec. 15.

Reedy, Perry M., Jr.: *See*—
George, Melvin F., Jr., and Reedy.

Reek, Donald C., Fort Wayne, Ind., assignor to Electric Company. Instantly reversible 2,647,230, July 28.

Reek, Royal J.: *See*—
Wisman, Franklin O., and Reek.

Rees, Clarence A., assignor to Illinois Tool Chicago, Ill. Means for and method of produc metal lock washers. 2,636,253, Apr. 28.

Rees, Frank X., Chili, N. Y. Remote-control 2,655,644, Oct. 13.

Rees, Kenneth A., T. J. Innes, Jr., and L. M. a Williams, Baton Rouge, La., assignors to Stan Development Company. Reactor inlet. 2,652,3 15.

Rees, Lancelot H., Westwood, assignor to Manto Manufacturing Company, Inc., Everett, Mass. ing amylaceous materials by pressure homoge 2,635,068, Apr. 14.

Rees, Ned J.: *See*—
Hoffman, Joseph D., Rees, and Hucker.

Rees, Walter R., Kansas City, Mo. Tie forming ing pin. 2,624,883, Jan. 13.

Reese, Clyde B., Boone, N. C. Adjustable b 2,630,585, Mar. 10.

Reese, Garland W., Chappaqua, assignor to Amer Company, New York, N. Y. Fiber container. 2 Nov. 10.

Reese, George E., Wallingford, and J. L. Larki Park, assignors to Sun Oil Company, Philadel Preparation of lubricating oil. 2,650,188, Au

Reese, Harry, Jr., Oak Ridge, Tenn., assignor neapolis-Honeywell Regulator Company, Min Minn. Vibrating condenser converter. 2 Nov. 3.

Reese, John E.: *See*—
Calhoun, George M., and Reese.
Lorand, Eugene J., and Reese.

Reese, Ray H., assignor to Fillmore Improveme pany, Fillmore, Calif. Oil well pump 2,639,674, May 26.

Reese, Richard T., Van Nuys, Calif. Universal 2,654,643, Oct. 6.

Reese, Thomas S., University Heights, assignor Di-Noc Company, Cleveland, Ohio. Melamine 2,639,253, May 19.

Reeve, Lewis, assignor to The United Steel Co Limited, Sheffield, England. Concentration of 2,648,600, Aug. 11.

Reeve, Robert E., Tracy, Calif. Milk transfer automatic milking machines. 2,628,589, Feb.

Reeve, Robert E., Tracy, Calif. Releaser asse continuous milking systems. 2,630,783, Ma

Reeve, Robert E., Tracy, Calif. Surcingle hand paratus. 2,637,962, May 12.

Reeve, Robert E., Tracy, Calif. Valve for milk tems. 2,640,497, June 2.

Reeves, Alec H., London, England, assignor to tional Standard Electric Corporation, New Yo Gaseous discharge device. 2,624,866, Jan. 6.

Reeves, Alec H., London, England, assignor t national Standard Electric Corporation, Ne N. Y. Telecommunication system. 2,631,194,

Reeves, Alec H., London, England, assignor to tional Standard Electric Corporation, New Yo Gaseous discharge tube. 2,636,681, Apr. 28.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Pulse distributor, including electric discharge devices. 2,645,680, July 14.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric discharge device. 2,645,742, July 14.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric delay device employing semiconductors. 2,655,607, Oct. 13.

Reeves, Alec H., and C. D. White, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Stabilized crystal triode system. 2,663,767, Dec. 22.

Reeves, Donald H., Beulah, Mich. Partial product machine. 2,639,860, May 26.

Reeves, Dougal B., Madison, assignor to National Union Radio Corporation, Orange, N. J. Ultrahigh-frequency amplifier. 2,639,335, May 19.

Reeves, Frank H., assignee: *See*—
Anderson, Richard E.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Resilient gascock stop. 2,646,961, July 28.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas cookstove with combined top pilot and simmer burner. 2,654,359, Oct. 6.

Reeves, Howard F., Jr., Chattanooga, Tenn., assignor to Morton Salt Company, Chicago, Ill. Preparation of alkyl esters of aconitic acid. 2,645,658, July 14.

Reeves Instrument Corporation, assignee: *See*—
Dewey, Chalmers B., and Zatsky.

Reeves, James C.: *See*—
Norris, Howard J., and Reeves.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Adapter control assembly for variable-speed power transmission. 2,636,396, Apr. 28.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Edge-active belt. 2,638,007, May 12.

Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Magnesium-alloy-block edge-active driving belt. 2,647,410, Aug. 4.

Reeves, Pierce E.: *See*—
Cotsworth, Albert, III, Gray, and Reeves.

Reeves, Pierce E., Park Ridge, Ill., assignor to Zenith Radio Corporation. Synchronizing system. 2,656,465, Oct. 20.

Reeves Pulley Company, assignee: *See*—
Michie, John S.
Reeves, Paul B.

Reeves, Thomas F., Cincinnati, Ohio. Excavator. 2,653,795, Sept. 29.

Reeves, William B., Wood River, Ill., assignor to Phillips Petroleum Company. Electrochemical conversion of hydrocarbons. 2,664,394, Dec. 29.

Reeves, Wilson A., G. L. Drake, and C. L. Hoffpauir, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Production of ethylenimines. 2,636,880, Apr. 28.

Refining, Unincorporated, assignee: *See*—
Clayton, Benjamin.
Mattikow, Morris.

Reflectone Corporation, The, assignee: *See*—
Simjian, Luther G.

Reflector Hardware Corporation, assignee: *See*—
Samuels, Martin L.

Reflectotherm, Inc., assignee: *See*—
Mills, Clarence A.

Refrigeration Engineering, Inc., assignee: *See*—
Wile, Daniel D.

Refrigeration Systems, Inc., assignee: *See*—
Brown, Daniel M.
Lazar, Joseph H.

Regalia, Gian C., Milan, Italy. Cutting machine for synthetic silk and rayon yarns. 2,642,135, June 16.

Regan Forge & Engineering Co., assignee: *See*—
Minor, Burt S., and Lopker.

Regele, Charles A., Manheim Township, Lancaster County, Pa. Cutter for asphalt tiles and the like. 2,626,664, Jan. 27.

Regelman, La Rue V., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Base threader. 2,636,251, Apr. 28.

Regenhardt, Hans W., assignor to Record Files, Inc., Wooster, Ohio. Follower for file drawers. 2,631,590, Mar. 17.

Regents of The University of Michigan, assignee: *See*—
Blicke, Frederick F.

Reget, George, Great Neck, N. Y. Cake baking pan means and dumping mechanism therefor. 2,640,445, June 2.

Reget, George, St. Albans, N. Y. Automatic baking machine. 2,640,444, June 2.

Regie des Mines de la Sarre, assignee: *See*—
Quoniam, Jean M.

Regie Nationale des Usines Renault, assignee: *See*—
Saives, Léon.

Regimbald, Daniel A., Detroit, Mich. Drill bushing. 2,644,350, July 7.

Regna, Angelo J., assignor to Wagner Electric Corporation, St. Louis, Mo. Delayed-action governor for electric motors. 2,631,026, Mar. 10.

Regna, Paul G., assignor to Wagner Electric Corporation, St. Louis, Mo. Resilient coupling and suspension for portable measuring devices. 2,630,708, Mar. 10.

Regna, Peter P.: *See*—
Carboni, Rudolph A., and Regna.
Patelski, Ray A., and Regna.

Regna, Peter P., Woodcliff, N. J., and R. A. Carboni, Jackson Heights, and A. E. Timreck, New York, N. Y., assignors to Chas. Pfizer & Co., Inc. Recovery of oxytetracycline. 2,649,480, Aug. 18.

Regnier, Gerard M., Chicago, Ill., assignor to Capital Industrial Fabricators, Inc. Television cabinet back. 2,642,566, June 16.

Regulitti, Aristide, Agnosine Brescia, Italy. Portable garment supporting and stretching device. 2,626,091, Jan. 20.

Regulitti, Aristide, Agnosine, Italy. Combined type garment hanger. 2,662,674, Dec. 15.

Rehder, Earl H., assignee: *See*—
Oliver, John G.

Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Curing polymers of monoethylenic ethers and ether-esters. 2,654,717, Oct. 6.

Rehels Company, Inc., assignee: *See*—
Govett, Thomas, and Almquist.

Rehe1ser, Joseph F., Eau Claire, Wis., assignor to United States Rubber Company, New York, N. Y. Preventing blows in manufacture of pneumatic tires. 2,650,642, Sept. 1.

Rehfeld, George W., Manhattan, Kans. Connector for jetty units. 2,645,088, July 14.

Rehm, Gustav A., assignor to Springfield Boiler Company, Springfield, Ill. Steam purifier. 2,655,905, Oct. 20.

Rehner, John, Jr.: *See*—
Robison, Samuel B., and Rehner.

Rehnqvist, Nils G., and G. E. H. Hildebrand, assignors to Aktiebolaget Kanthal, Hallstahammar, Sweden. Electric heating unit. 2,635,164, Apr. 14.

Rehorn, Miles P., Nashville, Tenn. Stereoscopic viewing method and apparatus. 2,631,496, Mar. 17.

Rehorn, Miles P., Nashville, Tenn. Molecularly aligned sheet material. 2,647,440, Aug. 4.

Rehrig, Alexander R., Phillips, Tex., assignor to Phillips Petroleum Company. Catalyst chamber collector system. 2,664,347, Dec. 29.

Reich, Gustave T., Philadelphia, Pa. Apparatus and method for mixing food products. 2,639,898, May 26.

Reich, Irving: *See*—
Spitzer, Joseph G., Reich, and Fine.

Reich, Ismar M.: *See*—
Johnston, William R., Reich, and Miller.

Reich, Kurt, Nurtingen-Zizishausen, and G. Walliser, Reutlingen-Betzingen, assignors to Firma Karl M. Reich, Nurtingen, Wurttemberg, Germany. Electrically driven hand planing machine. 2,649,873, Aug. 25.

Reich, Otto, assignor of one-third to J. Vignati, Vienna, Austria, and one-third to E. Wieden, Solingen-Ohligs, Germany. Storage device for liquefied gases and the vapors thereof. 2,662,379, Dec. 15.

Reich, Otto, assignor of one-half to J. Vignati, Vienna, Austria. Gas burner and flow restrictor. 2,662,590, Dec. 15.

Reich, Robert J.: *See*—
Spitzer, Charles F., and Reich.

Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,650,295, Aug. 25.

Reichardt, Emerald P.: *See*—
Alderson, Dwight A., Wakefield, and Reichardt.

Reichel, Howard G.: *See*—
Hensgen, Bernard T., and Reichel.

Reichel, Maximilian K.: *See*—
Neugebauer, Wilhelm, and Reichel.

Reichel, Maximilian K., and W. Neugebauer, Wiesbaden-Biebrich, Germany, assignors to Keuffel & Esser Comp., Hoboken, N. J. Photographically light-sensitive silver halide-diazide colloid layers. 2,663,640, Dec. 22.

Reichelderfer, Charles A., assignor to Norman Products Company, Columbus, Ohio. Adjustable ventilator grille. 2,642,792, June 23.

Reichelderfer, Charles A., assignor to Norman Products Company, Columbus, Ohio. Apparatus for the selective burning of different type gaseous fuels embodying a common burner element. 2,661,157, Dec. 1.

Reichelt, Lester O., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering fixture for fuses. 2,632,082, Mar. 17.

Reichenbach, Frederick B., Des Moines, Iowa. Animal feeding device. 2,661,800, Dec. 8.

Reicheneder, William J., and G. W. Miller, St. Louis, and W. M. Wolf, St. Louis County, assignors to Convy Heel Covering Co., St. Louis, Mo. Apparatus for forming shoe shanks. 2,635,264, Apr. 21.

Reicherd, Jerome H., Lockport, N. Y. Method and apparatus for applying wall finishes. 2,648,887, Aug. 18.

Reichert, Elias F., assignor to S. Reinhard, Allentown, Pa. Circular knitting machine. 2,627,172, Feb. 3.

Reichert, Harold E., New Berlin, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combined manual and speed responsive gas turbine control system. 2,661,429, Dec. 1.

Reicherter, Georg E., Esslingen (Neckar), Germany. Gauge for testing out-of-roundness and diameters of cylindrical holes. 2,662,297, Dec. 15.

Reichertz, Paul P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Determination of effective porosity of core samples. 2,641,924, June 16.

Reiches, Sol L., Cleveland, and D. P. Ingle, assignors to All Star Products, Inc., Defiance, Ohio. Magnetic focusing mechanism. 2,664,514, Dec. 29.

Reichhold Chemicals, Inc., assignee: *See*—
Hermann, Friedrich J.
Meeske, Charles J., and Laganis.

Reichl, Eric H., Mount Lebanon, and R. V. Safford, Bethel Township, Allegheny County, assignors to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Gasification of carbonaceous solids. 2,654,664, Oct. 6.

Reichl, Reymond M.: *See*—
Kent, Francis J., and Reichl.

Reichl, Reymond M., Forest Hills, assignor to Hydropress, Incorporated, New York, N. Y. Material treating apparatus. 2,635,733, Apr. 21.

Reichman, Samuel G., Flint, Mich. Combination ottoman and chair. 2,625,204, Jan. 13.

Reichold, Ludwig, Simsbury, Conn. Steaming and pressing apparatus. 2,661,552, Dec. 8.

Reid, Alexander C.: *See*—
Boswau, Hans P., and Reid.

Reid, Allen F., Dallas, Tex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for fractional sublimation. 2,628,892, Feb. 17.

Reid, Charles S., Los Angeles, Calif. Apparatus for deinking and defibering wastepaper. 2,649,371, Aug. 18.

Reid, Elliott G.: *See*—
Kohl, Jerome, Reid, and Zumwalt.

Reid, Elliott G., Palo Alto, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Atmospheric dust collector. 2,645,941, July 21.

Reid, George C., and S. S. Jacobs, Brooklyn, assignors to American Can Company, New York, N. Y. Container. 2,661,137, Dec. 1.

Reid, George C., and R. B. Chambers, Lander, Wyo. Load weighing device for hydraulic loaders. 2,635,868, Apr. 21.

Reid, John, Elstead, and A. G. Earl, Camberley, assignors to Power Jets (Research and Development) Limited, London, England. Liquid fuel atomizer located upstream of a flame stabilizing baffle. 2,657,532, Nov. 3.

Reid, John D.: *See*—
Daul, George C., Reid, and Reinhardt.

Reid, Laurence S.: *See*—
Huntington, Richard L., and Reid.

Reid, Patricia, Chicago, Ill. Pedicure device. 2,628,623, Feb. 17.

Reid, Robert A., Belleville, N. J., assignor to Thomas Electronics, Inc. Cathode-ray tube tester. 2,632,134, Mar. 17.

Reid, Robert J.: *See*—
Eberly, Kenneth C., and Reid.
Foley, James F., and Gleason.
Humphrey, Bingham J., and Reid.
Smith, William M., Jr., and Reid.

Reid, Thomas S.: *See*—
Ahlbrecht, Arthur H., Reid, and Husted.

Reid, Thomas S., New Canada Township, Ramsey County, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Chromium coordination complexes of saturated perfluoro-monocarboxylic acids and articles coated therewith. 2,662,835, Dec. 15.

Reid, William B., Jr.: *See*—
Hogg, John A., Korman, Reid, and Nathan.
Hogg, John A., Reid, and Nathan.
Korman Jerome, Reid, Nathan, and Hogg.

Reider, Samuel, North Arlington, N. J. Combination fluid container and closure having a screw driver projection. 2,646,704, July 28.

Reidinger, Albert D.: *See*—
Killian, Donald B., and Reidinger.

Reifenberg, Karl, assignor to E. Edelmann & Co., Chicago, Ill. Ignition timing light having a replaceable lamp. 2,637,803, May 5.

Reiff, Orland M.: *See*—
Otto, Ferdinand P., and Reiff.

Reifschneider, Arthur A., Kansas City, Mo. Laundry frame. 2,637,191, May 5.

Reifsnyder, Gladford A., assignor to The Timken Roller Bearing Company, Canton, Ohio. One-piece forged steel railway journal box. 2,640,737, June 2.

Reigh, Clarence J.: *See*—
Hursh, Samuel R., and Reigh.

Reigh, Clarence J., Altoona, Pa. Liquid applying device for cables, wires, and the like. 2,651,288, Sept. 8.

Reilly, Alfred F., Jr., and A. M. Larsen, Jr., North Attleboro, Mass., assignors to Evans Case Co. Mechanism for controlling emission of gas from lighters. 2,652,707, Sept. 22.

Reilly, Arthur, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Mineral coated paper and coating composition therefor. 2,651,580, Sept. 8.

Reilly, Frank E., Winnetka, Ill., assignor to Elec Corporation, New York, N. Y. Making ready plates. 2,656,790, Oct. 27.

Reilly, Frank J., Winter Park, Fla. Sofa bed. Aug. 11.

Reilly, James H.: *See*—
Wheeler, Gordon D., and Reilly.

Reilly, John B., Whittier, Calif. Well pump cessive pistons. 2,624,288, Jan. 6.

Reilly, John F., assignor of twenty-five per cen Wolter, Milwaukee, Wis. Rectal applicator a 2,631,586, Mar. 17.

Reilly, John H., assignor to The Dow Chemical Midland, Mich. Lining rigid pipe with elas plastics. 2,664,373, Dec. 29.

Reilly, John J., Jr.: *See*—
Radik, Cornelius E., and Reilly.

Reilly Tar and Chemical Corporation, assignee Cislak, Francis E.
Horner, Harold R.

Reim, Manvil A.: *See*—
Katzung, Barney L., and Reim.

Reimann, Henry F., Ashton, Idaho. Centr cleaner for internal-combustion engines. Jan. 20.

Reimer, George M., Oak Park, assignor to Uni Machine Company, Chicago, Ill. Work feed nism for sewing machines. 2,643,625, June

Reimer, John F.: *See*—
Pasewalk, LeRoy W., and Reimer.

Reindl, Francis H., assignor to Nash-Kelvinato tion, Kenosha, Wis. Manifold. 2,660,988,

Reinecke, Helen A., assignee: *See*—
Reinecke, Howard E.

Reinecke, Howard E., La Crescenta, assignor Reinecke, Glendale, Calif. Sprinkler type device. 2,650,132, Aug. 25.

Reinecke, Marshall C., Brooklyn, N. Y. Air mixing device. 2,657,024, Oct. 27.

Reindl, Harold J.: *See*—
Prance, Stanley R., and Reindl.

Reiner, Irving, New York, N. Y. Electric clock. Jan. 20.

Reiner, Laszlo: *See*—
Merckel, Frederick G., and Reiner.

Reiner, Laszlo, Bloomfield, and F. Flordalisi, ne Newark, N. J., assignors to Wallace & Tie pany, Inc. Reaction products of organic sulf hydrozoic acid. 2,648,705, Aug. 11.

Reiner, Robert, Inc., assignee: *See*—
Lambach, Fritz.

Reiners, Neville M., assignor to Cummins En pany, Inc., Columbus, Ind. Fuel feeding 2,661,729, Dec. 8.

Reiners, Walter, assignee: *See*—
Fürst, Stefan.

Reingruber, Frank, Yonkers, and J. Reingr York, N. Y. Thermostat. 2,640,130, May 2

Reingruber, Joseph: *See*—
Reingruber, Frank and J.

Reinhard, Samuel, assignee: *See*—
Reichert, Elias F.

Reinhard, Walter J., Westwood, N. J. Exte for joining carpet sections. 2,647,850, Aug. 4

Reinhard, Wolfgang, Pforzheim, Germany, a International Standard Electric Corporation, N. Y. Saw-tooth wave generator. 2,654,05

Reinhardt, Carl H., Jr., Milwaukee, Wis. products container and dispenser therefor ha ter-valve for opening the container. 2,659,5

Reinhardt, Henry A., Longmeadow, Mass., a Bigelow-Sanford Carpet Company, Inc., Tho Conn. Apparatus for producing a nonw surface floor covering. 2,638,960, May 19.

Reinhardt, Henry A., Longmeadow, Mass., a Bigelow-Sanford Carpet Company, Inc., Thom Nonwoven soft-surface floor covering and pro same. 2,639,250, May 19.

Reinhardt, John P., Brooklyn, N. Y. Moto sectional sliding door. 2,651,360, Sept. 8.

Reinhardt, Otto K.: *See*—
Winckler, Gunnar A. F., and Reinhardt.

Reinhardt, Otto K., West Haven, and J. Y. Wels assignors to Olin Industries, Inc., New Ha Dry cell. 2,642,470, June 16.

Reinhardt, Otto K., and T. C. Stapleton, W assignors to Olin Industries, Inc., New Ha Dry cell. 2,642,471, June 16.

Reinhardt, Robert C., and F. L. Hefner, as Clyde Fabrics, Inc., Newton, N. C. Air knitting machines. 2,648,209, Aug. 11.

Reinhardt, Robert M.: *See*—
Daul, George C., Reid, and Reinhardt.

Reinhold, Charles, assignor to Gallaz and C Switzerland. Sewing machine. 2,656,805,

Reinhold, Oscar A., Flossmoor, Ill. Knockd 2,660,228, Nov. 24.

Reinholz, William H., Altadena, assignor to W. Los Angeles, Calif., doing business as Aut pany. Chair. 2,656,878, Oct. 27.

Reinig, Elmer E.: *See*—
Helms, Leroy J., Easter, and Reinig.

Reinish, Martin D., Brooklyn, and J. P. Caldarera, Flushing, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Fatty acid treatment. 2,664,430, Dec. 29.

Reis, George C., Bolton Landing, N. Y. Device for recording speed and distance traveled by vessels passing through water. 2,633,745, Apr. 7.

Reis, John P., Sturgeon Bay, assignor to Amity Leather Products Co., West Bend, Wis. Case. 2,642,913, June 23.

Reisch, George J., Devon, Conn., assignor to General Electric Company. Radial flow electric fan. 2,625,319, Jan. 13.

Reisch, George J., Devon, Conn., assignor to General Electric Company. Electric fan having variable oscillating mechanism and clutch. 2,634,905, Apr. 14.

Reisert, August D.: *See*—
Rotter, Lutwin C., and Reisert.

Reising, Francis M., Edinburg, Tex. Pipe laying apparatus. 2,656,800, Oct. 27.

Reising, Raymond G., Evansville, Ind. Utility sick-call case. 2,656,915, Oct. 27.

Reisinger, Arpad L.: *See*—
Plumeri, John, and Reisinger.

Reismann, George, Litchfield Park, Ariz. Irrigation ditch block. 2,642,723, June 23.

Reisner, John H.: *See*—
Burger, Gustav F., and Reisner.
Picard, Robert G., and Reisner.

Reisner, W. H., Manufacturing Company, Inc., The, assignee: *See*—
Reisner, William H., Jr.

Reisner, William H., Jr., assignor to The W. H. Reisner Manufacturing Company, Inc., Hagerstown, Md. Electromagnetic actuator for organ valves. 2,635,138, Apr. 14.

Reiss, Harold R., Philadelphia, Pa. Information collecting system. 2,643,172, June 23.

Reiss Manufacturing Corporation, assignee: *See*—
Johnson, Fred I.

Reistad, Rolf, assignor of sixty percent to the firm Francis Sonnichsen, Oslo, Norway. Carburetor. 2,633,341, Mar. 31.

Reiter, Daniel I., New York, N. Y. Combined nose block and stud element. 2,635,739, Apr. 21.

Reiter, Daniel I., New York, N. Y. End clamp for pocketbook handles. 2,641,036, June 9.

Reiter, Daniel I., New York, N. Y. Handle end holder and installation. 2,663,342, Dec. 22.

Reiter, Eileen E., Ada, Ohio. Hair clip for use in giving permanent waves. 2,637,329, May 5.

Reiter, Gertrude, administratrix: *See*—
Reiter, Harold J.

Reiter, Harold J., Chicago, Ill. Prong cap for snap fasteners. 2,635,316, Apr. 21.

Reiter, Harold J., Chicago, Ill. Slidable gripping buckle. 2,636,234, Apr. 28.

Reiter, Harold J., deceased, Chicago, Ill.; G. Reiter, administratrix, assignor to Rau Fastener Company, Providence, R. I. Prong cap for snap fasteners. 2,653,366, Sept. 29.

Reitfort, Henry A., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Device for printing and nonprinting as controlled by comparison of dates. 2,627,805, Feb. 10.

Reitlinger, Otto, Kew Gardens, N. Y. Hydrogen chloride gas hardening of metal oxide powder. 2,660,569, Nov. 24.

Reitz, Warren E.: *See*—
Chapman, William J., and Reitz.

Reitzel, James G., Fort Valley, Ga. Emergency exit window. 2,639,790, May 26.

Reitzes, Herbert L., assignor to Globe Products Heat Seal Corporation, Los Angeles, Calif. Sealing machine with automatic labeling. 2,659,520, Nov. 17.

Rekettye, Paul: *See*—
Martin, Henry, and Rekettye.

Rekettye, Paul, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Apparatus for securing eye mechanisms in doll heads. 2,659,887, Nov. 24.

Rekettye, Paul, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Ball winding machine. 2,660,379, Nov. 24.

Rekk, Boris, assignor to Societe d'Epuration et d'Entreprises, Societe Anonyme, Uccle-Brussels, Belgium. Emulsifier for the intimate mixing of a liquid with a gas. 2,633,344, Mar. 31.

Relaxacizor, Inc., assignee: *See*—
Browner, William J.

Relaxacizor-Thermatone, Inc., assignee: *See*—
Browner, William J.

Reliable Electric Company, assignee: *See*—
Ripley, Harold C., and Saul.

Reliable Machine Works, Inc., assignee: *See*—
Friedman, Samuel.

Reliable Plastics Co., Limited, assignee: *See*—
Samuels, Benjamin L., and Doster.

Reliance Electric & Engineering Company, The, assignee: *See*—
Hayes, Robert R.
Picking, Jay W.
Picking, Jay W., and Fuller.
Sutherland, Charles R.

Reliance Manufacturing Company, Incorporated, assignee: *See*—
Long, Harry C.

Reliance Steel Products Company, assignee: *See*—
Braun, Ottwin L.

Remco Incorporated, assignee: *See*—
Newcum, Kenneth M.

Remick, Walter L., assignor to Hydrotator Company, Evanston, Ill. Apparatus for separating mixed materials. 2,641,362, June 9.

Remington Arms Company, Inc., assignee: *See*—
Catlin, Robert T.
Catlin, Robert T., Cummings, Eckstein, and Hickman.
Collins, William W.
Darrell, George H.
Du Pont, Francis G.
Eccleston, Paul H.
Fischer, Jacob, Jr.
Foote, Donald S., and Atwell.
Howell, John D.
Kenney, Joseph F.
McDonald, Frank H., Mackrell, Rado, and Brand.
Pinckney, George E., and Haskell.
Reynolds, Warren S., Turner, and Frandsen.
Reynolds, Warren S., and Turner.
Turner, John R.
Vordahl, Milton B., Grace, and Eccleston.

Remington, Frederic, Elizabeth, and R. A. Tartaglia, East Orange, assignors to Peerless Tube Company, Bloomfield, N. J. Apparatus for holding collapsible tubes on supporting spindles. 2,634,868, Apr. 14.

Remington Rand Inc., assignee: *See*—
Andersen, Niels Y.
Block, Wilhelm F.
Braun, Karl J.
Briechle, Ambrosius.
Carissimi, Louis C.
Crittendon, Lexie R., and Haskell.
Duff, Alexander G.
Eaton, William W., and Olson.
Gunn, Donald A.
Higbee, Eliza H., and Girton.
Kent, John W.
Lewis, Paul G.
Loeber, Don E.
Mixer, Harold P.
Olson, Harold T.
Paige, Walter G.
Rand, James H., Jr.
Roggenstein, Edwin O.
Schremp, Frederick W.
Sterling, John L.
Streng, Jan.
Walker, Merle H.
Zentgraf, John A.

Remmen, Jorgen, Pittsburgh, Pa. Power feed mechanism for machine tools. 2,649,646, Aug. 25.

Rempel, Dietrich G., assignor to Rempel Manufacturing, Inc., Akron, Ohio. Apparatus for producing articles as by compound rotation of article-forming means. 2,629,130, Feb. 24.

Rempel, Dietrich G., assignor to Rempel Manufacturing, Inc., Akron, Ohio. Hollow toy figure with extensible member. 2,631,407, Mar. 17.

Rempel Manufacturing, Inc., assignee: *See*—
Rempel, Dietrich G.

Renard, Roland E.: *See*—
Bogle, Robert J., and Renard.

Renard, Roland E., Los Gatos, assignor to Pacific Can Company, San Francisco, Calif. Interrupted can end feed mechanism. 2,645,366, July 14.

Renard, Roland E., Los Gatos, assignor to Pacific Can Company, San Francisco, Calif. Beverage defoaming device. 2,660,352, Nov. 24.

Renaud, Frank N., Jr., Detroit, and S. J. Paxton, Hazel Park, Mich. Trunk lid and ornamental attachment therefor. 2,626,181, Jan. 20.

Renaud, Harold E., assignor to Renaud Plastics, Inc., Lansing, Mich. Templet. 2,625,748, Jan. 20.

Renaud Plastics, Inc., assignee: *See*—
Renaud, Harold E.

Renberles Products Co., assignee: *See*—
Brunk, Leslie L.

Rench, Carl F., Troy, assignor to The National Cash Register Company, Dayton, Ohio. Electronic impulse generator. 2,648,835, Aug. 11.

Rench, John A., Lima, Ohio. Burial vault. 2,655,714, Oct. 20.

Rende, Jiustino, New Rochelle, N. Y. Flexible cleaner for car washing machines. 2,663,041, Dec. 22.

Rendel, George H., Mount Lebanon, Pa., assignor to United States Steel Corporation. Plating thickness regulator. 2,657,177, Oct. 27.

Rendel, George H., Pittsburgh, Pa., assignor to United States Steel Corporation. Heating circuit and method. 2,658,982, Nov. 10.

Rendel, George H., Pittsburgh, Pa., assignor to United States Steel Corporation. Apparatus for measuring strip thickness. 2,659,154, Nov. 17.

Rendleman, Norman C., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Plowshare blank. 2,636,256, Apr. 28.

Renfrew, Edgar E.: *See*—
Randall, David I., and Renfrew.

Renfrew, Edgar E., Phillipsburg, N. J., and D. I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Chloromethylated arylaminobenzanthrones. 2,642,442, June 16.

Renfrew, Edgar E., Phillipsburg, N. J., and D. I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Soluble onium salts of halogenmethylated arylaminopolycyclic quinones. 2,645,641, July 14.

Renfro, Julian M., Wheeler, Oreg. Stepladder. 2,643,045, June 23.

Renfroe, Joseph C., Jacksonville, Fla. Horizontal plate lifting clamp. 2,654,629, Oct. 6.

Renfroe, Joseph C., Jacksonville, Fla. Plate lifting clamp. 2,654,630, Oct. 6.

Renfroe, Joseph C., Jacksonville, Fla. Open locking plate lifting clamp. 2,654,631, Oct. 6.

Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Unloading valve. 2,642,887, June 23.

Renick, Wendell E., assignor to The Denison Engineering Company, Columbus, Ohio. Relief, sequence, and unloader valve. 2,661,763, Dec. 8.

Renier, John B., South Bend, Ind. Purifying alcoholic liquor. 2,653,092, Sept. 22.

Renishaw Iron Company Limited, assignee: *See*—
Bower, Walter, and Ball.

Renn, Harrell: *See*—
Bennett, Elbert V., and Renn.
Thompson, Walter S., and Renn.

Renn, Harrell, Albany, assignor to M and M Wood Working Company, Portland, Oreg. High-frequency glue curing press. 2,649,877, Aug. 25.

Renner, E. A., assignee: *See*—
Gallo, Paul P.

Renner, Lourde T., assignee: *See*—
Rinehart, Ernest V.

Renner, Patricia A.: *See*—
Brown, Eugene H. C., and Renner.

Rennie, Basil C., Cambridge, and J. H. Weaving, Moseley, Birmingham, assignors to The Austin Motor Company Limited, Birmingham, England. Internal-combustion turbine with plural generators selectively operable. 2,662,371, Dec. 15.

Reno, Michael W., and J. E. Dougherty, Philadelphia, Pa. Cake holder for dyeing apparatus. 2,625,810, Jan. 20.

Reno, Michael W., and J. E. Dougherty, Philadelphia, Pa. Cake holder for dyeing apparatus. 2,648,214, Aug. 11.

Renold, Peter: *See*—
Ballard, Stephen, and Renold.

Renoux, Pierre E., Aix-en-Provence, France, assignor to S. A. Societe Nationale de Constructions Aeronautiques du Sud-Est. Device for stabilizing rotary-wing aircraft. 2,652,898, Sept. 22.

Rensch, Heinz R., Korntal (Wurttemberg), Germany, assignor to International Standard Electric Corporation, New York, N. Y. Circuit arrangement for conference call installations. 2,644,039, June 30.

Rense, Daniel S., Los Angeles, assignor of one-third to R. C. Lawlor, Alhambra, Calif. Air-conditioning apparatus. 2,628,083, Feb. 10.

Renteria, Cruz C., Chicago, Ill. Conditioning cutlery sharpener. 2,652,668, Sept. 22.

Rentfrow, James H., Hollister, Calif. Yieldable vineyard hoe attachment for earth-working implements. 2,650,531, Sept. 1.

Rentschler, Delia J., executrix: *See*—
Rentschler, Mahlon J.

Rentschler, Karl, assignor to Alfred Gauthier G. m. b. H., Calmbach (Enz), Germany. Camera shutter incorporating flash synchronizing mechanism. 2,663,233, Dec. 22.

Rentschler, Mahlon J., deceased, Willoughby, Ohio, D. J. Rentschler, executrix. Preparing pure barium and strontium hydroxides. 2,651,563, Sept. 8.

Renwal Manufacturing Co., Inc., assignee: *See*—
Rosenbloom, Irving.

Renwanz, Roger A., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Flexible Pitot-static tube assembly. 2,650,497, Sept. 1.

Renwick, Charles S., Jr., Richmond, Calif. Display tank for lures and propulsion means therefor. 2,629,188, Feb. 24.

Renz, Emil K.: *See*—
Miller, George, and Renz.

Renzi, Saverio A., Jersey City, N. J. Bottle stopper and pourer. 2,642,207, June 16.

Reo Motors, Inc., assignee: *See*—
Rosenberg, Paul H.

Repeter Products, Inc., assignee: *See*—
Peterson, Robert E.

Replogle, James B., Waukegan, Ill. Oscillating electrical compressor. 2,629,538, Feb. 24.

Reppe, Walter, Ludwigshaften (Rhine), and A. Magin, Mutterstadt, Pfalz, Germany. Production of carboxylic acid amides. 2,648,685, Aug. 11.

Reppe, Walter, and W. Schweckendiek, Ludwigshafen (Rhine), and H. Kroeper, Heidelberg, assignors to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen (Rhine), Germany. Preparing carboxylic acids and their anhydrides. 2,658,075, Nov. 3.

Republic Aviation Corporation, assignee: *See*—
Brown, William V.
Lipman, Maurice S.
Petersen, Warren R.
Unterman, Manuel.
Voelker, Edward H.
Watman, Irving.

Republic Electric & Manufacturing Corporation: *See*—
Schwartz, Charles.

Republic Flow Meters Company, assignee: *See*—
Ackley, Robert A.
McMahon, Jerome B.
Rosenberger, Albert J., and Goldberg.
Rosenberger, Albert J., and Lindemann.
Smoot, Charles H.
Smoot, William S.

Republic Patent Corporation, assignee: *See*—
Binks, Melvin J.
Binks, Melvin J., and Samolis.

Republic Steel Corporation, assignee: *See*—
Adams, Albert C.
Crowley, Henry L., Graham, and Beidler.
Darner, Frederic M., and Brakeman.
Darner, Frederick M., and Schaefer.
Darner, Frederic M., and Walters.
De Piccolellis, John, and Montgomery.
De Vau, Louis P., and Baltus.
Drews, Ralph M., and Farling.
Guerry, William R.
Harmon, William C., and Orellana.
Krauss, Wolfgang W.
Mathey, Joseph W.
Miller, Howard L.
Schaefer, Frederick R.
Schaefer, Frederick R., and Emery.
Schaefer, Walter S.
Schottenberg, Elmon A.
Stouffer, John W.
Whitehouse, Irving P., and Graham.
Whitehouse, Irving P., and Krauss.
Whitehouse, Zebulon W.

Rerick, Albert H., and G. A. Kellogg, assignors to Studebaker Corporation, South Bend, Ind. T... and locking ring assembling machine. 2,63... 21.

Resch, Victor, Sacramento, Calif. Dual whe... 2,645,965, July 21.

Rescsanski, Joseph A., and J. R. Hopkins, as... Dictaphone Corporation, Bridgeport, Conn... protecting device. 2,637,563, May 5.

Research Corporation, assignee: *See*—
Allan, Stuart R.
Andres, Stanley G.
Backer, Philip C., and Van Hoesen.
Baumrucker, William, Jr.
Beaver, Charles E.
Best, Richard L.
Butler, George B., and Benjamin.
Calandra, Joseph C., and Adams.
De Mello, Victor F. B., Hauser, and Lar...
Doering, William V., and Knox.
Fields, Ellis K.
Foote, Perry A., Lauter, and Baxter.
Goering, Kenneth J., and Bruski.
Hackerman, Norman.
Hedberg, Carl W. J.
Lee, Yuk Wing, Wiesner, and Cheatham.
Moog, William C., Jr.
Mueller, Robert K.
Phyl, Joseph, and Lenehan.
Renwanz, Roger A.
Sloan, David H.
Smith, Chauncey W., and Arms.
Soffer, Milton D.
Swartzel, Karl D., Beneke, and Waterman.
Waugh, David F.
Wintermute, Harry A.

Research Engineering & Manufacturing, Inc., *See*—
Brown, Frank K.
Draper, Charles S., and Li.
Jenney, George E., Jr., Philpard, and Brow...
Li, Yao T.
Philpard, Harvey F., Jr.
Shive, William.

Research Products Corporation, assignee: *See*—
Frohmader, Stanley H., and Archer.
Frohmader, Stanley H., and Shoemaker.
Rowe, Carl B.
Shoemaker, Milton J.

Resek, Marc, Cleveland Heights, assignor to Stove Company, Cleveland, Ohio. Liquid f... construction. 2,630,165, Mar. 3.

Resek, Marc, Cleveland Heights, assignor to Stove Company, Cleveland, Ohio. Gas burne... secondary air baffle. 2,661,057, Dec. 1.

Resek, Marc, Cleveland Heights, Ohio, and San Francisco, Calif., assignors to Perfec... Company, Cleveland, Ohio. Magnetic float valve mechanism. 2,636,508, Apr. 28.

Resek, Robert B., Warrensville Heights, assign... Parker Appliance Company, Cleveland, Ohi... plug type valve. 2,661,926, Dec. 8.

Reser, Alva B., Long Beach, Calif. Baby bootee stretcher. 2,644,969, July 14.

Resina Automatic Machinery Company Inc., assignee: *See—*
Resina, Manuel S.
Schweizer, Max N.

Resina, Manuel S., deceased; R. Resina, executrix, assignor to Resina Automatic Machinery Co. Inc., Brooklyn, N. Y. Hopper cap feeder. 2,625,313, Jan. 13.

Resina, Rosa, executrix: *See—*
Resina, Manuel S.

Resinoid Engineering Corporation, assignee: *See—*
Herbst, Clarence A.

Resistoflex Corporation, assignee: *See—*
Hitov, Joseph J.

Ressa, Irma J.: *See—*
Craig, Louis E., and Ressa.

Ressegger, Lloyd E., assignor to Oneida, Ltd., Oneida, N. Y. Cold coining. 2,644,352, July 7.

Restivo, Angelo, Jamaica Estates, N. Y. Adjustable stool. 2,638,969, May 19.

Reswick, James B., Newtonville, Mass., assignor to The Risdon Manufacturing Company, Naugatuck, Conn. Valve means for aerosol spray dispensers. 2,643,914, June 30.

Retallack, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Computing circuits for automatic billing systems. 2,634,910, Apr. 14.

Retallack, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic message accounting system. 2,639,092, May 19.

Retallack, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for automatically ticketing telephone calls. 2,657,268, Oct. 27.

Rettaliata, John T., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine system with treatment between turbine stages. 2,654,217, Oct. 6.

Rettig, Charles E.: *See—*
Mulhern, Marvin J., and Rettig.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Magnetic head construction. 2,628,286, Feb. 10.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Magnetic transducer construction. 2,647,167, July 28.

Rety, Stephen P., and J. F. Moore, London, England. Packaging machine. 2,660,843, Dec. 1.

Retz, William B.: *See—*
Barry, John J., and Retz.

Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Recessing means. 2,630,621, Mar. 10.

Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Stop device for chucking means. 2,646,152, July 21.

Retz, William B., Plainville, assignor to The New Britain Machine Company, New Britain, Conn. Stock feed mechanism. 2,656,859, Oct. 27.

Retzsch, Clinton E.: *See—*
Lighthipe, Charles H., Nothum, and Retzsch.

Reuland, Ethel I., Aurora, Ill. Drapery support and elevator. 2,636,710, Apr. 28.

Reumerman, Theodorus, assignee: *See—*
Hamelink, Cornelis A. S.

Reumerman, Theodorus, Zandvoort, and W. H. T. Helmig, Leiden, Netherlands. Counter for numbering and measuring devices. 2,646,747, July 28.

Reumerman, Theodorus, Zandvoort, and W. H. T. Helmig, Leiden, Netherlands. Device for determining check symbols. 2,646,923, July 28.

Reus, John J., Smithtown, N. Y. Toy bomber and bomb carrier and release mechanism. 2,657,930, Nov. 3.

Reussner, Georges, Megeve, France, assignor to S. Rosenthal, Richmond, Va. Free trolley conveyer system. 2,632,402, Mar. 24.

Reuter, Gottfried, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Hydraulically operated tractor shovel. 2,628,731, Feb. 17.

Reuter, Louis F., and R. D. Smith, Elyria, Ohio, assignor to The B. F. Goodrich Company. Pyrolysis of dinicyl cyanides. 2,663,725, Dec. 22.

Reuther, Harold H., Chester, Pa. Rotor means for helicopters and the like. 2,628,683, Feb. 17.

Reutter, John G.: *See—*
Hungerford, Churchill, Jr., and Reutter.

Revak, Daniel, Donora, and F. W. Riedel, Belle Vernon, Pa., assignors to United States Steel Corporation. Take-up block for wire drawing. 2,648,503, Aug. 11.

Revco, Inc., assignee: *See—*
Kafer, Clare H.

Revell, Louis A., Hollywood, Calif. Cup construction. 2,661,609, Dec. 8.

Reveno, Robert, Philadelphia, Pa. Apparatus for and method of filling capsules. 2,646,912, July 28.

Reverberi, Mario, assignor to Officine Viberti Società per Azioni, Turin, Italy. Articulated vehicle body connection. 2,645,517, July 14.

Revercomb, Henry E., North Syracuse, and P. W. Morse, Elnora, N. Y., assignors to General Electric Company. High-frequency cavity heater. 2,632,090, Mar. 17.

Revere Camera Company, assignee: *See—*
Moore, Robert L., and Pastor.

Revere Copper and Brass Incorporated, assignee: *See—*
Bennett, Irving T.
French, John
Spencer, Roland T.
Welden, William A.
Wilkins, Richard A., and Mutch.

Revere Sugar Refinery, assignee: *See—*
De Vries, Reinier P.

Revolta, Johnny F., Evanston, Ill. Golf jacket. 2,659,890, Nov. 24.

Rex, Carl A. M., assignor of one-half to J. F. Govan and one-half to R. H. Govan, Hoboken, N. J. Protecting metal surfaces, composition therefor, and article resulting therefrom. 2,658,834, Nov. 10.

Rex, Walter A.: *See—*
Barr, Frank T., and Rex.

Rex, Walter A., Westfield, and K. J. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Apparatus for manufacture of microspheroidal gel beads. 2,633,454, Mar. 31.

Rex, Walter A., Westfield, and H. H. Vickers, Union, N. J., assignors to Standard Oil Development Company. Process and apparatus for the distillation of solids. 2,664,389, Dec. 29.

Rexart Metal Industries, Inc., assignee: *See—*
Rechler, Morton D.

Rexel Products of Canada Limited, assignee: *See—*
Donkin, William H.

Rexroad, James O., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric switch operating device. 2,646,693, July 28.

Rey-Bellet, Gerald, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Derivatives of tropic acid and the manufacture thereof. 2,647,904, Aug. 4.

Reyes, Severo, Laredo, Tex. Ampoule breaker. 2,638,022, May 12.

Reygagne, Léonce M., Decazeville, assignor to Societe Anonyme de Commentry-Fourchambault et Decazeville, Paris, France. Progressive fuel combustion fluid heating apparatus and control means therefor. 2,646,790, July 28.

Reyklin, Jim, New Westminster, British Columbia, Canada. Margin stop assembly. 2,639,797, May 26.

Reymann, Alois, Sandwich, Ill. Multiple movement gate. 2,661,557, Dec. 8.

Reymann, Alois, Sandwich, Ill. Latching mechanism. 2,661,971, Dec. 8.

Reymond, Fernand, Le Sentier, Switzerland. Setting and like mechanism for timepieces. 2,660,025, Nov. 24.

Reynolds, Albert H., assignor to Claude Ezell & Associates, Inc., Dallas, Tex. Vacancy indicator for drive-in theaters. 2,632,156, Mar. 17.

Reynolds, Charles B.: *See—*
Jones, Ivan E., and Reynolds.

Reynolds, Charles B., Orange, Calif. Drilling equipment and well pipe cleaner. 2,642,942, June 23.

Reynolds, Charles C., Dallas, Tex. Incinerator. 2,642,826, June 23.

Reynolds, Charles H., Donora, Pa. Nonskid tire chain attachment. 2,625,976, Jan. 20.

Reynolds, Charles K.: *See—*
Humphreys, Robert L., Brock, and Reynolds.

Reynolds, Daniel P., Massillon, assignor to The Oak Rubber Company, Ravenna, Ohio. Apparatus for feeding or sorting small flexible articles. 2,633,254 Mar. 31.

Reynolds Decelerator Company, assignee: *See—*
Reynolds, Lee T.

Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. N-substituted polyvinylamines. 2,632,757, Mar. 24.

Reynolds, Delos J.: *See—*
Kincaid, Homer F., Graham, Reynolds, and Wharff.

Reynolds, Delos J., Chicago, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for the continuous induction heating of round rods and the like. 2,632,839, Mar. 24.

Reynolds, Douglas: *See—*
Jamison, Robin R., and Reynolds.

Reynolds, Douglas, Chellaston, V. W. Greenhough, Derby, and R. R. Jamison, Chellaston, assignors to Rolls-Royce Limited, Derby, England. Fuel control device for gas turbines and jet propulsion units. 2,634,579, Apr. 14.

Reynolds, Earl C., Detroit, Mich. Water softener control means. 2,630,325, Mar. 3.

Reynolds, Elmer S., assignor to Houston Oil Field Material Company, Inc., Houston, Tex. Combination jar and safety joint. 2,626,781, Jan. 27.

Reynolds, Foster N.: *See—*
Baechler, Charles W., Jr., and Reynolds.

Reynolds, Frank J., North Brunswick, N. J., assignor to Johnson & Johnson. Folding and creasing device. 2,661,947, Dec. 8.

Reynolds, Frank L., Stratford, assignor of one-half to F. W. Wyatt, Bridgeport, Conn. Composite molded ornamental light fixture. 2,664,497, Dec. 29.

Reynolds Gas Regulator Company, assignee: *See—*
Hughes, George C.

Reynolds, Harold B., Oneida, N. Y. Heterodyne radio signal receiver. 2,636,980, Apr. 28.

Reynolds, Harold C., Jr.: *See—*
Griswold, Stanley M., and Reynolds.

Reynolds, Harry L.: *See—*
Rohrscheib, George F., and Reynolds.

Reynolds, Harry R., assignor to The Fafnir Bearing Company, New Britain, Conn. Journal box. 2,631,902, Mar. 17.

Reynolds, Herbert G.: *See—*
James, Paul W., and Reynolds.

Reynolds, Herbert L., assignee: *See—*
Moragne, Edward L.

Reynolds, James A.: *See—*
Carter, Clarence F., and Reynolds.

Reynolds, John P., Dayton, Ohio. Automatic indicator for television quiz shows. 2,654,163, Oct. 6.

Reynolds, John M., Shreveport, La. Drilling equipment. 2,646,128, July 21.

Reynolds, Julian L., Richmond, Va. Container. 2,629,534, Feb. 24.

Reynolds, Julian L., Richmond, Va. Picture frame heating panel. 2,634,361, Apr. 7.

Reynolds, Junius B.: *See—*
Wilson, William R., and Reynolds.

Reynolds, Lee T., West Los Angeles, Calif., assignor to Reynolds Decelerator Company. Crash decelerator. 2,639,913, May 26.

Reynolds Manufacturing Company, assignee: *See—*
Ward, James C.

Reynolds, Merl T., Ballston Lake, N. Y., assignor to General Electric Company. Frequency modulation system. 2,644,924, July 7.

Reynolds Metals Company, assignee: *See—*
Baxter, Bruce L.
Beneke, Charles J.
Hammond, Gordon.
Paulsen, Neal I.
Saffel, Donald E.
Sebell, Harry.
Snyder, Willard G.
Weber, Otto R.

Reynolds, Nelson E., and L. R. McRobert, Greeley, Colo., assignors to Harry Ferguson, Inc., Detroit, Mich. Beet topper. 2,641,099, June 9.

Reynolds, Peter W.: *See—*
Taylor, Arthur W. C., Davies, and Reynolds.

Reynolds, Peter W., and A. A. L. Challis, Norton-on-Tees, assignors to Imperial Chemical Industries Limited. Preparation of catalysts. 2,650,204, Aug. 25.

Reynolds, Ralph E., Redelm, S. Dak. Knife for carving leather and the like. 2,639,505, May 26.

Reynolds, Ralph W.: *See—*
Hoke, Frank J., and Reynolds.

Reynolds, Ralph W., assignor to Holcomb & Hoke Mfg. Co., Inc., Indianapolis, Ind. Stop for sliding doors. 2,631,662, Mar. 17.

Reynolds & Reynolds Company, The, assignee: *See—*
Smith, Robert B.

Reynolds, Roger N., Sr.: *See—*
Chapman, James, Jr., and Reynolds.

Reynolds, Roy L., Memphis, Tenn., and S. Campbell, Fordyce, Ark. Adjustable frog. 2,637,143, May 5.

Reynolds, Schuyler, and U. F. Grant, Columbus, Ohio. Mechanical puzzle. 2,639,923, May 26.

Reynolds Spring Company, assignee: *See—*
Reed, Clair S.

Reynolds, Theron W., Wellsville, N. Y. Balanced wrench. 2,662,437, Dec. 15.

Reynolds, Thomas G., Media, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Coke-oven by-product recovery. 2,649,404, Aug. 18.

Reynolds, Warren S., Westport, Conn., and J. R. Turner, Glen Mills, Pa., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition assembling machine. 2,649,832, Aug. 25.

Reynolds, Warren S., Westport, Conn., and J. R. Turner, Glen Mills, Pa., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Gauging and assorting device. 2,649,961, Aug. 25.

Reynolds, Warren S., Westport, J. R. Turner, Stratford, and L. C. Frandsen, Trumbull, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Loading machine for shells, including automatic inspection means. 2,663,421, Dec. 22.

Reynolds, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Diazo thioethers as blowing agents in production of sponge rubber and the like. 2,658,876, Nov. 10.

Reynolds, William B., J. E. Wicklatz, and T. J. Kennedy, Bartlesville, Okla., assignors to Phillips Petroleum Company. Polymerization of vinylidene compounds in the presence of a catalyst composition comprising dimethylhalophenylhydroperoxymethane. 2,638,464, May 12.

Reynolds, William J.: *See—*
Hartley, George C., and Reynolds.
Wright, Esmond P. G., Gould, Hargreaves, and Reynolds.

Reynolds, William J., Chicago, Ill. Waste-retrieving device. 2,636,645, Apr. 28.

Reyrolle, A., & Company Limited, assignee: *See—*
Leyburn, Henry.
Southwick, Alfred M.

Reznicek, Antone F.: *See—*
Tebbetts, Herbert E., Jr., and Reznicek.

Rhea, Claude W., Sligo, Pa. Hinged pole construction. 2,629,465, Feb. 24.

Rhea Manufacturing Company, assignee: *See—*
Armstrong, Alice E.

Rheaume, Raymond H.: *See—*
Doolittle, Howard D., Zarth, and Rheaume.

Rheem Manufacturing Company, assignee: *See—*
Brown, Dan A., and Hurlbut.
James, Richard E., and Lampert.
Johns, Stanley S.
Krueger, Frank W.
Lampert, Albert J.
Lampert, Albert J., and Merritt.
Ostrander, Charles W.
Walder, Robert B.

Rheingans, William J., and B. R. Nichols, Wau... signors to Allis-Chalmers Manufacturing ... Milwaukee, Wis. Hydraulic turbine govern... 2,646,812, July 28.

Rheins, Joseph M., and S. S. Klein, Cincin... Telephone holder or support. 2,625,612, Ja...

Rhem, William F.: *See—*
Wetherington, Jesse B., and Rhem.

Rheo-France Compagnie Internationale des ... A. France, societe anonyme, assignee: *See—*
France, Antoine.

Rheostatic Company, The, assignee: *See—*
Flight, Theodore N., Wilson, and Chinn.

Rheostatic Company Limited, The, assignee: ...
Flight, Theodore N., and Wilson.

Rhine, Marvin L., assignor to Ellipse Corpo... cago, Ill. High-pressure pump. 2,628,568, F...

Rhinehart, John R., Ridgewood, and C. H. Es... brouck Heights, assignors to Belco Industrial ... Division, Inc., Paterson, N. J. Apparatus ... ing gases from liquid. 2,625,236, Jan. 13.

Rhinehart, John R., Ridgewood, and C. H. Es... brouck Heights, assignors to Belco Indust... ment Division, Inc., Paterson, N. J. Multi... 2,662,549, Dec. 15.

Rhines, Thomas B.: *See—*
Martin, Erle, and Rhines.

Rhoads, Edwin E.: *See—*
Arnold, George, Schultz, and Rhoads.

Rhoads, Leonard H., assignor to Lloyd W. ... Elmo, Ill. Paraffin removal system ... 2,639,774, May 26.

Rhoads, Ralph W., Sr., Springfield, Mo. Air ... cooler having a plurality of ice con... 2,651,188, Sept. 8.

Rhode Island Engineering and Manufacturin... tion, assignee: *See—*
Pettigrew, Kenneth W., and Kilvert.

Rhodeen, George M., Canon City, Colo. Cro... machine. 2,628,128, Feb. 10.

Rhodehamel, Harley W., Jr., assignor to Eli Lil... pany, Indianapolis, Ind. Penicillin salts of a... piperidine. 2,633,465. Mar. 31.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. Penicillin sa... tinothiodiethylamide. 2,634,266, Apr. 7.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. Penicillin salt ... ylamino-acetoxy-dibenzylpropane. 2,634,267.

Rhodehamel, Harley W., Jr., assignor to Eli ... pany, Indianapolis, Ind. Penicillin salt o... menaphthyl-piperidine. 2,634,268. Apr. 7.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. Salts of pen... 0-(2-aminoalkylamino)-benzoic acid esters. ... Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. 2-hydroxy-3,3... 1-aminopropane salt of penicillin. 2,654,7...

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. N-β-(3-pyridyl ... pholine salt of penicillin. 2,654,741, Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. Gamma-morph... cinnamate salt of penicillin. 2,654,742, Oc...

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. Delta-piperidi... phenylacetate salt of penicillin. 2,654,743, O...

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. β-(2-methyl ... ethylmethylphenylamine salt of penicillin. ... Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. 1,2-diphenyl-2 ... piperidino) ethanol salt of penicillin. 2,654,...

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. 1-dimethylamin... 4-phenylbutane salt of penicillin. 2,654,746,

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. 3-diethylam... pyridine salt of penicillin. 2,654,747, Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. 1-β-naphth... ethane salt of penicillin. 2,654,748, Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. Salts of pen... dimethylamino, diphenyl-substituted esters. ... Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli ... Company, Indianapolis, Ind. Penicillin salt o... 2,654,750, Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Substituted 2-methylpiperidinopropyl benzoate salts of penicillin. 2,654,751, Oct. 6.

Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Beta-4-morpholinoethylbenzoate salt of penicillin. 2,654,752, Oct. 6.

Rhodehamel, Harley W., Jr., and W. B. Fortune, assignors to Eli Lilly and Company, Indianapolis, Ind. Dicyclohexylsulfamate of streptomycin and preparation thereof. 2,635,096, Apr. 14.

Rhoden, Ivan E.: *See*—
Lauenstein, Carl F., and Rhoden.

Rhodes, Charles J., Wakefield, England. Deep-drawing of sheet metal. 2,664,061, Dec. 29.

Rhodes, Clement T., Ascot, England. Precision grinding machine. 2,662,352, Dec. 15.

Rhodes, Early C., Norfolk, Va. Bracket for supporting curtain holding bars. 2,628,053, Feb. 10.

Rhodes, Edwin C., London, and D. W. Rhys, Hounslow, England, assignors to The International Nickel Company, Inc., New York, N. Y. Soldered joint for chromium alloy gas turbine structures. 2,654,946, Oct. 13.

Rhodes, Eugene E., Dearborn, and H. G. Scholtz, Wyandotte, assignors to The Murray Corporation of America, Detroit, Mich. Structure and method for cleaning welding rods. 2,646,649, July 28.

Rhodes, Frederick S.: *See*—
Thomas, Arthur, and Rhodes.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Dough power curler. 2,631,549, Mar. 17.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Power curler. 2,631,550, Mar. 17.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Flour duster. 2,633,242, Mar. 31.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Dough greasing device. 2,636,470, Apr. 28.

Rhodes, Herbert C., Portland, Oreg., assignor to Read Standard Corporation. Bread panning machine. 2,661,880, Dec. 8.

Rhodes, Herbert C., Portland, Oreg. Conveying device. 2,664,188, Dec. 29.

Rhodes, M. H., Incorporated, assignee: *See*—
Van Valkenburgh, Merritt.

Rhodes, Thomas J.: *See*—
Gibbons, Willis A., and Rhodes.

Rhodes, Thomas J., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Plastic spreading method and apparatus. 2,624,914, Jan. 13.

Rhodes, Thomas J., C. and J. J. Neville, Maywood, N. J., assignors to United States Rubber Company, New York, N. Y. Method and apparatus for extrusion of plastics having elastic memory. 2,649,618, Aug. 25.

Rhome, Jesse P., Moundsville, and L. D. Curtiss, McMechen, W. Va., assignors to Louis Marx & Company, Inc., New York, N. Y. Toy fence. 2,628,823, Feb. 17.

Rhoten, Carey M., Huntington Woods, assignor to Dearborn Motors Corporation, Highland Park, Mich. Heating and vibrating means for plow moldboards. 2,641,173, June 9.

Rhyno, Charles F. and M. L., Modesto, Calif. Adjustable blade mount for check forming machines. 2,632,264, Mar. 24.

Rhyno, Marion L.: *See*—
Rhyno, Charles F. and M. L.

Rhys, David W.: *See*—
Rhodes, Edwin C., and Rhys.

Riall, Charles T., Floral Park, assignor to Davis & Geck, Inc., Brooklyn, N. Y. Rectangular package of surgical articles in sterilizing liquid. 2,643,764, June 30.

Riat, Henri: *See*—
Menzi, Karl, Riat, and Wegmann.

Riat, Henri, assignor to Ciba Limited, Basel, Switzerland. Cupriferous disazo-dyestuffs. 2,653,149, Sept. 22.

Ribarich, Matt J., Jr., Richmond, Calif. Wheel and tire mounting appliance. 2,647,648, Aug. 4.

Ribbing, Carl A., Denver, Colo. Key case. 2,627,743, Feb. 10.

Ribeiro, Walter G., Camden, N. J. Water-reservoir construction. 2,658,520, Nov. 10.

Ribich, Thomas A., Cleveland, Ohio, assignor, by mesne assignments, to Weldon Tool Company. Pack feed control mechanism. 2,660,430, Nov. 24.

Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Wave guide duplexer. 2,627,573, Feb. 3.

Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Directional coupler. 2,632,809, Mar. 24.

Riblet, Henry J., Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave test equipment. 2,654,863, Oct. 6.

Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna for producing elliptically polarized waves. 2,635,188, Apr. 14.

Riblet, Henry J., Wellesley Hills, assignor to Raytheon Manufacturing Company, Newton, Mass. Electromagnetic-radiating system. 2,638,588, May 12.

Riblet, Henry J., Belmont, Mass., and D. F. Sherman, Ithaca, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Horn radiator adapted to produce circularly polarized waves. 2,635,190, Apr. 14.

Riblett, Earl W., Tenafly, W. P. Burton, Little Silver, and P. A. Lefrancois, assignors to The M. W. Kellogg Company, Jersey City, N. J. Platinum and palladium catalysts. 2,662,861, Dec. 15.

Ricards, Charles L., South Plainfield, I. Tornberg, Plainfield, and P. L. Tollison, North Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Stereotype plate finishing machine. 2,626,541, Jan. 27.

Ricards, Harold A., Jr., Cranford, and B. M. Vanderbilt and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Sweetening petroleum oils. 2,641,570, June 9.

Ricci, Fannie, assignee: *See*—
Magaro, Robert L.

Rice, Anna E., Henryetta, Okla. Garment shield and support. 2,630,254, Mar. 3.

Rice, Arlo E., Mineral Wells, Tex. Adjustable sliding awning. 2,635,615, Apr. 21.

Rice, Charles G., Fort Lauderdale, Fla. Protective device for typewriter attachments for making multiple copies. 2,636,589, Apr. 28.

Rice, Charles G., Fort Lauderdale, Fla. Attachment for typewriters for making multiple copies by use of ribbon. 2,636,590, Apr. 28.

Rice, Charles J., Bexley Heath, England. Implement for carrying out digging operations. 2,654,626, Oct. 6.

Rice, Chester S.: *See*—
Buckland, Bruce O., and Rice.
Howard, Alan, Buckland, and Rice.

Rice, Curtis D., Kalamazoo, Mich. Dividing wheel having movable blades for pinching off portions of relatively advancing ribbon of dough or the like. 2,629,341, Feb. 24.

Rice, Cyrus W., Pittsburgh, Pa. Waste disposal. 2,640,807, June 2.

Rice, Donald E., Antioch, Calif., assignor to United States Steel Corporation. Tiltable traction wheel for feeding strip to rolling mills. 2,632,641, Mar. 24.

Rice, Earl A., Mercersburg, Pa. Fish bowl and hollow handle assembly. 2,646,021, July 21.

Rice, Edgar C., Blue Island, and G. M. Rothenberger, assignors to Whiting Corporation, Harvey, Ill. Apparatus for controlling hoists and the like. 2,653,291, Sept. 22.

Rice, Edward R., Worcester, Mass. Aspirating trocar. 2,642,873, June 23.

Rice, Elmo, and V. E. Fisher, Wichita, Kans. Garbage pail holder. 2,642,245, June 16.

Rice, Ernest G., Chicago, Ill. Web handling mechanism. 2,624,573, Jan. 6.

Rice, Frederick H., Van Nuys, assignor to Capitol Records, Inc., Hollywood, Calif. Display rack for phonograph records and the like. 2,649,968, Aug. 25.

Rice, Homer F., Birmingham, Ala. Short fulcrum for weighing scale levers. 2,646,318, July 21.

Rice, John, assignee: *See*—
McNamee, Paul D., Fay, and Derry.

Rice, John E., Jr.: *See*—
Davis, Charles S., and Rice.

Rice, John W., Grand Prairie, Tex. V belt with improved fastener means. 2,649,631, Aug. 25.

Rice, Philip K., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Process of and apparatus for separating gas mixtures containing higher-boiling impurities. 2,655,796, Oct. 20.

Rice, Price D., Washington, D. C. Utility frame or supporting unit. 2,626,118, Jan. 20.

Rice, Robert S., Los Angeles, Calif. Pavement providing for plant growth. 2,662,343, Dec. 15.

Rice, Walter A., Amsterdam, N. Y. Bottle cap. 2,659,511, Nov. 17.

Rice, Wendell C., Coulee Dam, Wash. Ambulating water sprinkler. 2,660,472, Nov. 24.

Rich, Alfred R., assignee: *See*—
Sierer, Payson, and Waterbury.

Rich, Charles W., Chelmsford, assignor to Marconi's Wireless Telegraph Company, Limited, London, England. Modulation control circuits for modulated carrier wave transmitters. 2,651,757, Sept. 8.

Rich, Dora M., executrix: *See*—
Rich, George R.

Rich, Edward L., Bay City, J. K. Bauer, Flint, and W. E. Dengel, assignors of one-sixth each to G. P. Harris, J. T. O'Brien, and A. J. Forgash, Bay City, Mich. Abrasive polishing and grinding disk assembly. 2,654,193, Oct. 6.

Rich, George R., deceased, Battle Creek, Mich.; D. M. Rich, executrix, assignor to Rich Manufacturing Corporation. Valve assembly. 2,647,501, Aug. 4.

Rich, Howard B., assignor to Howard B. Rich, Inc., Carrollton, Ky. Machine for assembling ladders. 2,654,406, Oct. 6.

Rich, Howard B., Inc., assignee: *See*—
Rich, Howard B.

Rich, John W., Los Angeles, Calif. Dispensing device. 2,656,953, Oct. 27.

Rich Manufacturing Corporation, assignee: *See*—
Rich, George R.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Ground leak measuring circuit. 2,627,540, Feb. 3.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Snap action electrometer. 2,659,865, Nov. 17.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Electrical recorder. 2,663,610, Dec. 22.

Rich, Theodore A., Schenectady, and W. J. Morlock, Syracuse, N. Y., assignors to General Electric Company. Electrostatic induction voltage measuring device. 2,659,864, Nov. 17.

Richa, John H., Kansas City, Mo. Lobster and crab catcher. 2,656,642, Oct. 27.

Richard, Alphonse, assignor of thirty-five per cent to R. J. Veillet and fifteen per cent to R. Cloutier, St. Thecle, Quebec, Canada. Wheel securing means for vehicles. 2,632,675, Mar. 24.

Richard, Alphonse, assignor of thirty-five per cent to R. J. Veillet and fifteen per cent to R. Cloutier, St. Thecle, Quebec, Canada. Automotive tire wheel. 2,646,315, July 21.

Richard, Amos B., assignee: *See*—
Adams, Mozel A.

Richard, Charles F., Williamsville, N. Y., assignor to Niagara Packaging Machinery Corporation. Bag packaging machine. 2,641,882, June 16.

Richard H. Hallsted, assignee: *See*—
Stratton, Glen S.

Richard, Joseph O., Lake Worth, Fla. Sprinkling apparatus. 2,644,718, July 7.

Richards, Albert J., Lowell, assignor to United Elastic Corporation, Easthampton, Mass. Woven elastic fabric. 2,643,686, June 30.

Richards, Archer W.: *See*—
Woina, Benjamin A., and Richards.

Richards, Archer W., Chagrin Falls, and E. J. Osterhus, Cleveland, Ohio, assignors to Syntron Company, Homer City, Pa. Tool rotator for reciprocating hammers. 2,635,854, Apr. 21.

Richards, Arthur F.: *See*—
Hardy, Thomas H., and Richards.

Richards, Arthur J., Detroit, Mich. Attaching frame for seat covers. 2,652,886, Sept. 22.

Richards, Dale L.: *See*—
Berninger, Ernest L., and Richards.

Richards, Dwight, assignor to The Buda Company, Harvey, Ill. Earth drill. 2,657,906, Nov. 3.

Richards, Harold E. G.: *See*—
McAuley, David J., Richards, and Clark.

Richards, Harrison H. C., Jr., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pile regulator. 2,627,007, Jan. 27.

Richards, Harry W., Clearfield, Pa., assignor, by mesne assignments, to Electronic Switch and Signal Company, Cleveland, Ohio. Carrier frequency stepping system for remote control. 2,627,063, Jan. 27.

Richards, Henry R., Buffalo, N. Y. Traction device. 2,647,551, Aug. 4.

Richards, Ithiel C., Los Angeles, Calif. Dispensing receptacle to be mounted to the neck of a container holding a liquid to be dispensed. 2,661,127, Dec. 1.

Richards, John C., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of acrylonitrile to polymers of controlled molecular weight. 2,628,223, Feb. 10.

Richards, John M., Santa Barbara, Calif. Instrument for testing eyes. 2,635,502, Apr. 21.

Richards, John M., Stony Point, N. Y. Alignment target for testing eyes. 2,643,575, June 30.

Richards, John R.: *See*—
Thornton, Garno E., Verrinder, Stilwell, McGrath, and Richards.

Richards, Joseph M., Tulsa, Okla., assignor to A. C. Nielsen Company, Chicago, Ill. Search signal apparatus for determining the listening habits of wave signal receiver users. 2,660,664, Nov. 24.

Richards, Kenneth D., Gardner, Mass. Shot patterning recoil compensator for firearms. 2,656,637, Oct. 27.

Richards, Paul I.: *See*—
Huggins, William H., and Richards.

Richards, Paul I., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Tunable band-pass coaxial filter. 2,624,801, Jan. 6.

Richards, Paul I., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Coaxial transmission line filter. 2,630,490, Mar. 3.

Richards, Ralph W., Jacksonville, Fla. Pocket clip. 2,628,395, Feb. 17.

Richards, Sidney L., Jr., assignor to Rosson-Richards Processing Co., Inc., Corpus Christi, Tex. Apparatus for applying coating material to pipe. 2,625,905, Jan. 20.

Richards, Vancort H., Minot, N. Dak. Dolly truck and the like. 2,627,234, Feb. 3.

Richards, Wayne V., Union City, Mich., assignor to Kingston Products Corporation, Kokomo, Ind. Waterproof receptacle. 2,626,299, Jan. 20.

Richards, William F.: *See*—
Richards, William H. and W. F.

Richards, William H. and W. F., Rehoboth, Del. Self-adjusting mophead. 2,663,042, Dec. 22.

Richardson, Arthur A., Edgewood, assignor to G. H. Burt, doing business as The Lloyd Process Company, Providence, R. I. Terminal for electri... 2,644,144, June 30.

Richardson, Arthur D., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Variquency response galvanometer. 2,657,358, Oct.

Richardson & Bass, assignee: *See*—
Howard, Kenneth C.

Richardson, Charles A., Inc., assignee: *See*—
Richardson, Edward A.

Richardson, Cleves: *See*—
Richardson, Lawrence and C.

Richardson Company, The, assignee: *See*—
Hall, Gardner V., Shank, and Krauss.
Keller, Charles L.

Richardson Company of Oregon, Ltd., The, assig...
Richardson, Ward K.

Richardson, Dow C., Metropolis, Ill. Single... fluid-actuated log turner. 2,655,185, Oct.

Richardson, Dow C., Metropolis, Ill. Power-op... turner with fulcrum stop. 2,655,186, Oct.

Richardson, Earl L.: *See*—
Klippert, Andrew A., McGhie, and Richar...

Richardson, Earl R.: *See*—
Curley, Robert S., and Richardson.

Richardson, Edgar C., Wenonah, N. J. Window... tion. 2,647,288, Aug. 4.

Richardson, Edward A., West Mansfield, Mass... to Charles A. Richardson, Inc. Making bas... cleats. 2,626,454, Jan. 27.

Richardson, Eythel J., executrix: *See*—
Hester, Levi C.

Richardson, Franklin, Glendale, Calif. Reclini... of furniture. 2,647,559, Aug. 4.

Richardson, George A., Dayton, Ohio, assigno... santo Chemical Company, St. Louis, Mo. P... of N-carboxyanhydrides of glycine. 2,647,90...

Richardson, George A., Dayton, Ohio, assigno... santo Chemical Company, St. Louis, Mo. Pre... N-carboxyglycine anhydride. 2,654,946, Sept.

Richardson, Graham M., assignor to E. I. du... Nemours & Company, Wilmington, Del. Tex... ing composition and treating textile materi... with. 2,661,312, Dec. 1.

Richardson, Harry D., Willards, Md. Angle... tool. 2,634,503, Apr. 14.

Richardson, Henry D., East Providence, R. I. B... construction. 2,658,253, Nov. 10.

Richardson, Henry M.: *See*—
Hess, Carl B., and Richardson.

Richardson, Henry M., Springfield, Mass., and... rucker, Jr., Stamford, Conn., assignors to Ne... cate Co., Inc., New York, N. Y. Curving a f... plastic printing plate. 2,647,284, Aug. 4.

Richardson, Iliff D., Houston, Tex. Laundry... having heater, hollow agitator, and squeezer... 2,655,803, Oct. 20.

Richardson, Jack W.: *See*—
Birt, Arthur W., and Richardson.

Richardson, John N., assignor to Modern Equipm... pany, Port Washington, Wis. Weigh hopper. ... Apr. 28.

Richardson, Lawrence, Cambridge, Mass. D... 2,651,265, Sept. 8.

Richardson, Lawrence, Cambridge, Mass., and C... son, Louisville, Ky. Walker for invalids. ... Jan. 13.

Richardson, Linwood T., Wauwatosa, and M... hart, Genesee Township, Waukesha County, a... Cutler-Hammer, Inc., Milwaukee, Wis. Elec... tact. 2,654,945, Oct. 13.

Richardson, Martin A.: *See*—
Krause, Norman R., and Richardson.

Richardson, Martin A., assignor to J. I. ... pany, Racine, Wis. Tractor-mounted corn ... 2,651,158, Sept. 8.

Richardson, Max S., Summit, N. J., assignor to ... States of America as represented by the Se... the Navy. Magnetometer system. 2,632,883

Richardson, Oliver C., Detroit, Mich. Fish ... 2,626,477, Jan. 27.

Richardson, Oliver C., Detroit, Mich. Tong fis... assembly. 2,632,275, Mar. 24.

Richardson, Paul H., Bridgewater, assignor t... Gear Works, Inc., Taunton, Mass. Assembla... erting a clamping force. 2,660,264, Nov. 24

Richardson, Ralph R., Chicago, W. T. Ritter, Riv... R. O. Ragan, Oak Park, and D. W. Coy, as... Chicago Carton Company, Chicago, Ill. Bo... method and apparatus. 2,631,642, Mar. 17.

Richardson, Robert D., Coolspring Township, ... County, and G. B. Bailey, Long Beach, assign... Hays Corporation, Michigan City, Ind. ... measuring absolute pressure. 2,652,727, Sept

Richardson, Robert D., assignor to The Hays Co... Michigan City, Ind. Measuring instrument. ... Feb. 10.

Richardson, Robert D., Michigan City, Ind., a... Cambridge Instrument Co., Inc., New York, ... analyzer for plural mixtures. 2,633,737, Apr

Richardson, Robert D., assignor to The Hays Co... Michigan City, Ind. Gas measuring device. ... Nov. 10.

Richardson, Robert D., assignor to The Hays Corporation, Michigan City, Ind. Gas measuring device. 2,658,385, Nov. 10.

Richardson, Rodney G., deceased, and J. Fink, Delavan, Wis.; said Fink assignor to The George W. Borg Corporation, Delavan, Wis.; Rodney G. Richardson, Jr., administrator of said R. G. Richardson. Automobile clock. 2,658,328, Nov. 10.

Richardson, Rodney G., Jr., administrator: *See*— Richardson, Rodney G., and Fink.

Richardson, Roger W.: *See*— Kimberlin, Charles N., Jr., Adams, Krebs, and Richardson.

Richardson, Roger W., J. P. Billisoly, and M. A. Segura, Baton Rouge, La., assignors to Standard Oil Development Company. Reactivation of conversion catalysts. 2,636,845, Apr. 28.

Richardson, Ronald H.: *See*— Wilson, Thomas H., and Richardson.

Richardson, Sid W., Inc., assignee: *See*— Howard, Kenneth C., McGowen, and Moore.

Richardson, Stanley H.: *See*— Wakefield, Harold F., Schultz, and Richardson.

Richardson, Vernon C. H., Bellaire, assignor of one-fourth to C. K. Farr, Beaumont, one-fourth to F. W. Etchison, and one-fourth to J. H. Stevenson, Port Arthur, Tex. Quick detachable swivel pipe union. 2,649,314, Aug. 18.

Richardson, Ward K., Falls City, Oreg., assignor to The Richardson Company of Oregon, Ltd. Counterbalance pump. 2,659,315, Nov. 17.

Richardson, Warren B., Reno, Nev. Explosive composition. 2,647,047, July 28.

Richardson, William C., near Electra, Tex. Fluid operated reciprocating pump for drilled wells. 2,628,565, Feb. 17.

Richardson, William F., assignor to Flex-O-Lators, Inc., Carthage, Mo. Edge roll for spring cushion assemblies. 2,663,882, Dec. 29.

Richardson, Winfield S., assignor to Eastman Kodak Company, Rochester, N. Y. Antistatic photographic film. 2,649,374, Aug. 18.

Richartz, Paul, Sheffield, England. Scissors with twist in each blade. 2,627,656, Feb. 10.

Richens, Arthur W., Upper Darby, Pa. Making bags. 2,648,263, Aug. 11.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Rear-end loader for tractors. 2,624,481, Jan. 6.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Tractor support for mowers. 2,637,966, May 12.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Side delivery rake. 2,639,574, May 26.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Birmingham, Mich. Side delivery rake. 2,639,575, May 26.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Crop stripper for rotary rakes. 2,641,895, June 16.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Root crop lifter. 2,651,156, Sept. 8.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Birmingham, Mich. Trash clearing device for corn harvesters. 2,660,016, Nov. 24.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Birmingham, Mich. Implement attachment for loader frames. 2,660,322, Nov. 24.

Richie, Harold B., assignor to Swift & Company, Chicago, Ill. Scraping implement. 2,652,581, Sept. 22.

Richman, Donald, Flushing, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Superregenerative system for receiving angular-velocity-modulated wave signals. 2,637,807, May 5.

Richman, Donald, Flushing, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Self-quench superregenerative amplifier. 2,644,080, June 30.

Richman, Donald, Flushing, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Logarithmic-mode separately quenched superregenerative amplifier. 2,644,081, June 30.

Richman, Donald, Flushing, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Wide-band direct-current repeater. 2,664,471, Dec. 29.

Richmond, George B., Riverside, R. I. Fly tier's bobbin holder. 2,635,832, Apr. 21.

Richmond, Henry, Great Lever, Bolton, England. Loom weighting for weaving. 2,655,948, Oct. 20.

Richmond, Jack L.: *See*— Greiner, John W., Hanze, Kline, Richmond, and Bedell.

Richmond, James H., Rochester, N. Y., R. M. Boehm, and H. R. Hunt, assignors to Masonite Corporation, Laurel, Miss. Extraction of lignin. 2,645,633, July 14.

Richmond, Joy H., Beverly Hills, Calif. Hair-setting and hair-trimming appliance. 2,654,374, Oct. 6.

Richmond Manufacturing Company, assignee: *See*— Conkling, William C. Crampton, David.

Richmond, Nelson R., Thompsonville, assignor to United Aircraft Corporation, East Hartford, Conn. Reversible pitch propeller. 2,663,373, Dec. 22.

Richmond, Nelson R., Thompsonville, Conn., and D. W. Perin, deceased, by M. J. Levy, administrator, Greenfield, Mass., assignors to United Aircraft Corporation, East Hartford, Conn. Propeller control means. 2,635,699, Apr. 21.

Richmond, Paul P., Kansas City, Mo. Identification device. 2,641,074, June 9.

Richmond Products Company, The, assignee: *See*— Greenwald, Max H.

Richmond, Robert P., Baltimore, Md., assignor to Standard Oil Development Company. Packless impeller pump. 2,631,543, Mar. 17.

Richmond, Sam, Newtown, assignor to The Edwards Manufacturing Co., Cincinnati, Ohio. Burial casket. 2,625,731, Jan. 20.

Richmond, Stewart G.: *See*— Davis, Frank F., and Richmond.

Richmond, Victor J., Bradford, Pa. Drinking fountain attachment for faucets. 2,635,006, Apr. 14.

Richmond, Walter, assignor to Accurate Parts Manufacturing Company, Cleveland, Ohio. Spring and weight testing device. 2,630,613, May 26.

Richmond, Warren, Brooklyn, N. Y. Wind-driven novelty device. 2,646,644, July 28.

Richolt, Robert R.: *See*— Messinger, Bernard L., Gray, and Richolt.

Richon, Emile, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Blind landing system. 2,657,381, Oct. 27.

Richter, Bruno, Glen Ellyn, Ill. Valvulotome. 2,655,154, Oct. 13.

Richter, Charles F., Sr., Victoria, Tex. Evaporation type vehicle cleaning and cooling unit. 2,657,026, Oct. 27.

Richter, Charles R., Schenectady, N. Y. Welding and cutting torch. 2,645,277, July 14.

Richter, Frederick P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing a tellurium oxide-containing catalyst. 2,648,638, Aug. 11.

Richter, Frederick P., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Lubricating oil containing a monoester of a thiodiacetic acid. 2,649,416, Aug. 18.

Richter, George A., and R. H. MacClaren, assignors to Eastman Kodak Company, Rochester, N. Y. Method of making paper. 2,629,295, Feb. 24.

Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Addition of urea to viscose. 2,648,611, Aug. 11.

Richter, George A., Jr., Springfield, and R. H. Braunlich, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Producing regenerated cellulose articles from viscose. 2,625,461, Jan. 13.

Richter, Hartmut W.: *See*— Coffeen, William W., and Richter.

Richter, Johan C. F. C., assignor to Aktiebolaget Kamyr, Karlstad, Sweden. Pulp storage tower and emptying same. 2,645,378, July 14.

Richter, Joseph, Fairlawn, N. J., assignor to the United States of America as represented by the Secretary of the Army. Pressure responsive cover for containers. 2,653,729, Sept. 29.

Richter, Max, Philadelphia, Pa. Animated skating device. 2,645,879, July 21.

Richter, Max, Philadelphia, Pa. Animated skating device. 2,645,880, July 21.

Richter, Theodore L., and E. L. Rudzki, Pittsburgh, Pa. Utility chair. 2,630,161, Mar. 3.

Richterkessing, Frank H., Louisville, Ky. Spotting board. 2,637,192, May 5.

Richterkesaing, Frank H., Jefferson County, near Louisville, assignor to W. M. Cissell Mfg. Company, Incorporated, Louisville, Ky. Water-spray gun for attachment to pressing irons. 2,637,597, May 5.

Richterkessing, Frank H., Jefferson County, near Louisville, assignor to W. M. Cissell Manufacturing Company, Louisville, Ky. Vacuum spotting board. 2,657,566, Nov. 3.

Richterkessing, Frank H., Louisville, and W. M. Cissell, St. Matthews, assignors to W. M. Cissell Mfg. Company, Incorporated, Louisville, Ky. Steam finishing board. 2,658,370, Nov. 10.

Richtmyer, Morse A., Blountville, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Rack for beams. 2,632,567, Mar. 24.

Rick, Clarence A.: *See*— Austin, Leslie W., and Rick.

Rick, Hilda, Manitowoc, Wis. Illuminated rotary clothes-washing basket. 2,656,451, Oct. 20.

Rickel, Carl W., and F. Eyerly, assignors to W. C. Rickel, Basehor, Kans. Service truck. 2,625,427, Jan. 13.

Rickel, William C., assignee: *See*— Rickel, Carl W., and Eyerly.

Rickenbach, August W.: *See*— Wiegman, Clarence H., King, Rickenbach, and Rohm.

Rickenbach, August W., Williamsport, Pa., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Thermostatic regulating device. 2,624,512, Jan. 6.

Rickenbach, Harry C., Gibsonia, Pa. Stamp holder for embossing dies. 2,655,099, Oct. 13.

Rickenback, William, assignor to Draper Corporation, Hopedale, Mass. Bobbin holder. 2,640,507, June 2.

Rickettson, Margaret, Clementon, N. J. Handle member. 2,639,521, May 26.

Rickles, Nathaniel H.: *See*— Russell, Barrett B., 3rd, and Rickles.

Rickmeyer, Ernst W., Palatine, Ill. Electric switch. 2,639,344, May 19.

Ricks, Bernard E.: *See*— Booth, James H., and Ricks.

Ricks, Bernard E., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Bearing assembly. 2,642,318, June 16.

Rickus, George M.: *See*— Vickers, Irving H., and Rickus.

Ricord, Willard C., Sr., Los Angeles, Calif. Means for optically aligning motion-picture projectors. 2,639,513, May 26.

Riddell, George, Brooklyn, N. Y., and H. A. Soucy, Fort Worth, Tex., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dial telephone system-digit absorbing selector circuit. 2,642,498, June 16.

Riddell Products Limited, assignee: *See*— Jones, Jarman M. L.

Riddell, W. A., Corporation, assignee: *See*— Ross, George E.

Riddell, Wallace C., Berkeley, and G. B. Kirk, Redwood City, Calif., assignors, by mesne assignments, to Kaiser Gypsum Company, Inc. Cementitious compositions. 2,662,024, Dec. 8.

Ridderstrom, Andrew R., Nahant, assignor to Prime Manufacturing Company, Lynn, Mass. Making welt insoles. 2,627,079, Feb. 3.

Ridderstrom, Andrew R., Nahant, assignor to Prime Manufacturing Company, Lynn, Mass. Machine and process for making platform soles or shells. 2,654,103, Oct. 6.

Ridderstrom, Andrew R., Nahant, assignor to Prime Manufacturing Company, Lynn, Mass. Rib applying machine. 2,657,405, Nov. 3.

Riddle, Lester P., Eureka, and J. D. Severns, Peoria, Ill. Carbon feed control mechanism. 2,625,252, Jan. 13.

Riddle, Raymond G.: *See*— Morton, Cecil J., Riddle, and Woodfield.

Ridenour, William P.: *See*— Bowman, John R., Ridenour, and Whittaker. Capell, Robert G., Ridenour, and Stewart.

Rideout, Arthur E., Chicago, Ill., and E. Ardell, Middletown, and J. H. Mosley, Portland, Conn., assignors to Emhart Manufacturing Company. Shipping case unloading apparatus. 2,634,874, Apr. 14.

Rideout, Arthur E., Chicago, Ill., K. B. Holstebroe, Gildersleeve, Conn., and A. L. Johnson, Chicago, Ill., assignors, by mesne assignments, to Emhart Manufacturing Company. Bottle packing machine with flight conveyor for receiving successive rows of articles. 2,650,746, Sept. 1.

Rider, Clarence A.: *See*— Urquhart, Norman J., and Rider.

Rider, Clifford M., Kansas City, Mo. Shock stabilizer for vehicle axles. 2,653,811, Sept. 29.

Rider, Paul M., Wewoka, Okla. Oil trap for vacuum lines of wells. 2,658,581, Nov. 10.

Rider, Warren M.: *See*— Burge, James S., Foust, Shaw, Rider, and McKee.

Riderman, Rudolph, assignor, by mesne assignments, to F. Gold, Chicago, Ill. Television antenna. 2,636,986, Apr. 28.

Ridge, Harry D.: *See*— Hennigh, George W., and Ridge.

Ridgers, Frederick G., assignor to N. Slater Company Limited, Hamilton, Ontario, Canada. Line wire transposition bracket. 2,634,313, Apr. 7.

Ridgley, Cornelius J., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Arc chute. 2,643,314, June 23.

Ridings, Garvice H.: *See*— Wise, Raleigh J., and Ridings.

Ridings, Garvice H., Summit, N. J., J. H. Hackenberg, Flushing, and G. B. Worthen, assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile machine and system employing electric stylus transmission and recording. 2,647,945, Aug. 4.

Ridler, Desmond S.: *See*— Bray, Frederick H., Hartley, and Ridler. Hough, George H., and Ridler.

Ridnour, Robert H., Sioux City, Iowa. Ice cube vending machine. 2,645,092, July 14.

Riebe, Erwin M., assignee: *See*— Lotter, Georg.

Rieber, Frank, deceased, New York, N. Y., by L. G. Rieber, executrix, New York, N. Y., assignor to Geovision Incorporated. Dynamic scanning system. 2,628,689, Feb. 17.

Rieber, Frank, deceased, New York, N. Y., by L. Rieber, executrix, New York, N. Y., assignor to Geovision Incorporated. Geophysical display system. 2,658,579, Nov. 10.

Rieber, L., executrix: *See*— Rieber, Frank.

Rieber, Lu G., executrix: *See*— Rieber, Frank.

Rieber, Martin: *See*— Orthner, Ludwig, and Rieber.

Riechman, Harry C., assignee: *See*— McRill, Oris W.

Rieck, William L., Kankakee, Ill. Stretching and shaping form for neckties. 2,652,956, Sept. 22.

Rieckhoff, Robert J., Riverdale, Ill., assignor Refining Company, New York, N. Y. Clea plugs. 2,660,544, Nov. 24.

Ried, Robert C.: *See*— Kuster, Otto R., and Ried.

Riede, Peter M., Kenmore, N. Y., assignor, by signments, to Union Carbide and Carbon C Valve for gas pressure cylinders. 2,645,241;

Riedel, Erich, assignor to Brueckenbau Flender Dusseldorf, Germany. Installation for slimes. 2,663,427, Dec. 22.

Riedel, Frederick W.: *See*— Revak, Daniel, and Riedel.

Riedel, Walter W., and J. T. Marvin, Dayton signors to General Motors Corporation, Det Hydraulic shock absorber. 2,635,715, Apr.

Riedler, Walter: *See*— Mechur, Berthold, and Riedler.

Riedler, Walter, and B. Mechur, assignors, by signments, to Perma-Fit Shoulder Pad Co., York, N. Y. Shoulder pad. 2,637,854, May

Riedler, Walter, and B. Mechur, assignors, by signments, to Perma-Fit Shoulder Pad Co., York, N. Y. Shoulder pad. 2,638,603, May

Rief, Frank J.: *See*— Agnew, Albert B., and Rief.

Riegel, Glen C.: *See*— Doyle, William L. H., and Riegel.

Riegel Paper Corporation, assignee: *See*— Bixler, Andrew L. M., and Fisher. Borden, George C., Jr. Dieffenderfer, Daniel S., and Bixler.

Riehl, William L., Rome, N. Y., assignor to Ur Hoe Company, Columbus, Ohio. Pressure combustion control apparatus. 2,642,128, J

Rieke, Foster F.: *See*— Evans, John E., Fletcher, and Rieke. Evans, John E., and Rieke.

Rieke, Irvin H., assignor to Rieke Metal Pr poration, Auburn, Ind. Tamper and seal p pouring spout. 2,661,128, Dec. 1.

Ricke, John W.: *See*— Doba, Stephen, Jr., and Rieke.

Rieke, John W., Basking Ridge, N. J., assig Telephone Laboratories, Incorporated, New Low-frequency restoration circuit. 2,630,4

Rieke Metal Products Corporation, assignee: Rieke, Irvin H.

Riel, Robert R., and R. A. Claussen, Wabas signors to The General Tire and Rubber Co ron, Ohio. V belt and making same. 2,628,5

Riemann, Howard C., assignor to The Fulto West Allis, Wis. Vehicle tow coupling. June 16.

Riemenschneider, Edmund W., Hartville, assi Union Metal Manufacturing Company, Ca Metal box rim construction. 2,656,066, Oc

Riemer, John, assignor to Kraft Foods Compa Ill. Package top sealing apparatus. 2,629,

Riemer, John, Green Bay, Wis., assignor to Company. Container handling device with tainer magazines for feeding containers to devices in filling machines. 2,655,301, Oct

Riener, Thomas W.: *See*— Bruson, Herman A., and Riener.

Riepka, Hellmuth C.: *See*— Weides, Erich, Riepka, and Uebelmann.

Ries, Edward J., assignor to Ritter Company, ester, N. Y. Dental chair footrest. 2,628,6

Ries, Elmer F., assignee: *See*— Thieman, John B.

Ries, George J., Hinsdale, Ill. Rotary gras trimmers. 2,648,187, Aug. 11.

Ries, John H.: *See*— Gaylord, Philip E., Hawley, and Ries.

Ries, Lewis B., Monessen, Pa. Flight and ba dicator. 2,659,984, Nov. 24.

Rieser, John D., San Francisco, Calif. Adju transmission. 2,637,215, May 5.

Rieser, John D., San Francisco, Calif. Uni power transmission unit. 2,640,367, June

Riesinger, Josef: *See*— Peters, Wilhelm F., and Riesinger.

Riess, John L., Glendale, Calif. Knitting porting device. 2,631,793, Mar. 17.

Rieth, René, Ettelbruck, Luxembourg. V drive. 2,633,545, Mar. 31.

Riethof, George, and G. P. Brown, Jr., assig Research & Development Company, Pitt Treatment of hydrocarbon mixtures to ada oxidation. 2,636,047, Apr. 21.

Riewerts, Roger N.: *See*— Matson, Theodore C., Riewerts, and Morte

Rifenbergh, C. Morgan, assignee: *See*— Miller, Kenneth W.

Rifkin, Jacob L., Sunnyside, N. Y. Direct-re electric exposure meter. 2,628,527, Feb. 17

Rifkin, Michael, Lyndhurst, N. J. Window 2,629,142, Feb. 24.

Rigaumont, Victor A., Pittsburgh, Pa. Dou plastic filled interlocked blocks. 2,640,348

Rigby, George W., assignor to E. I. du Pont and Company, Wilmington, Del. Preparat methylenediamines. 2,657,239, Oct. 27.

Rigby, Richard, Great Crosby, Liverpool, and J. C. S. White, Shoreham-by-Sea, England, assignors to Shell Development Company, San Francisco, Calif. Heat exchanger. 2,643,098, June 23.

Rigert, Max, Milwaukee, Wis., assignor to McGraw Electric Company. Transformer tap changer. 2,625,619, Jan. 13.

Riggs, Arnold E.: *See*—
Nichols, Charles A., and Riggs.

Riggs, George L., Jr., assignor to Standard Electric Time Co., Springfield, Mass. Individually corrected secondary clock. 2,662,367, Dec. 15.

Riggs, Melvin L., Logan, W. Va. Retractable fog-beam light for vehicles. 2,662,605, Dec. 15.

Riggs, Robert B., Santa Barbara, Calif. Mast mounting base. 2,661,918, Dec. 8.

Righter, Walter H., Glendale, Calif. Vehicle brake control apparatus. 2,643,518, June 30.

Righter, Walter H., Glendale, Calif. Vacuum operated brake actuator. 2,643,746, June 30.

Righton, David W.: *See*—
Meredith, Frederick W., Sudworth, Meredith, and Righton.

Righton, Joseph J., Acocks Green, Birmingham, assignor to Joseph Lucas, Limited, Birmingham, England. Liquid fuel supply system for prime movers or furnaces. 2,658,565, Nov. 10.

Rigney, Joseph W., Mesilla Park, N. Mex. Slide container. 2,649,093, Aug. 18.

Rigon, Lino, Melle, assignor to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Making anhydrides. 2,658,914, Nov. 10.

Rike, Howard A., Los Angeles, Calif. Thermal-sensitive actuator for fire alarms. 2,642,511, June 16.

Riker, Warren N.: *See*—
Kingeman, William P., and Riker.

Rile-Coe Filter Process, Inc., assignee: *See*—
Riley, Elwyn G. B.

Riles, Ira M., Manhattan Beach, and D. W. Stratton, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. High-speed grid camera. 2,653,507, Sept. 29.

Riley, Elwyn G. B., Pinehurst, N. C. Light absorbent coating and coated article. 2,643,982, June 30.

Riley, Elwyn G. B., The Weirs, N. H., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Selected light transmission and protective materials. 2,631,499, Mar. 17.

Riley, Frank R., assignor to American Cyanamid Company, New York, N. Y. Ion exchange treatment of solutions containing cyanohydrins. 2,664,396, Dec. 29.

Riley, Henry M., Manhasset, and A. Huether, Baldwin, N. Y. Automatic three-dimensional display device. 2,639,525, May 26.

Riley, John P., Costa Mesa, Calif. Vacuum pulsating exercising apparatus. 2,626,601, Jan. 27.

Riley, John W., State College, N. Mex. Gun carriage attachment for vehicle dash panels. 2,655,298, Oct. 13.

Riley, Joseph J., and W. S. Dustman, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Electronic sequence control, particularly for travel head seam welders. 2,648,749, Aug. 11.

Riley, Joseph J., and R. Alm, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Timing and sequencing circuit. 2,660,654, Nov. 24.

Riley, Joseph J., and R. Alm, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Electronic sequence control for intermittent operation of rotary electrode welding apparatus. 2,662,959, Dec. 15.

Riley, Ray J., Sebring, Ohio, assignor, by mesne assignments, to Solar Engineering & Equipment Company, Beaver, Pa. Decorating stamp. 2,631,536, Mar. 17.

Riley, Richard C., Lake Grove, Oreg. Moving stairway. 2,641,351, June 9.

Riley, Ruth E., Los Angeles, Calif. Interchangeable shoulder pad. 2,654,096, Oct. 6.

Riley Stoker Corporation, assignee: *See*—
Miller, Earle C.
Rogers, Wayne C.
Rogers, Wayne C., and Bolton.
Rogers, Wayne C., and Higgins.

Rimmel, Ira A., Lakewood, assignor to The Kindt-Collins Company, Cleveland, Ohio. Mandrel. 2,638,722, May 19.

Rimsha, Victor E.: *See*—
Keller, Dan W., and Rimsha.

Rimsha, Victor E., Chicago, and A. C. Goodrich, Winnetka, assignors to The Dole Valve Company, Chicago, Ill. Combined clothes washer and drier. 2,652,708, Sept. 22.

Rinderknecht, Louis G., Escalon, Calif. Gap filler used for irrigation purposes. 2,643,600, June 30.

Rineer, Arthur E., Centerville, assignor of one-half to R. Platzer, Dayton, Ohio. Plate aligning attachment. 2,633,076, Mar. 31.

Rinehart, Alan: *See*—
Rinehart, Ernestine, and A.

Rinehart, Alan G., New York, N. Y. Slide fastener ornament and supporting means therefor. 2,631,347, Mar. 17.

Rinehart, Alan G., New York, N. Y. Novel ornament and clip. 2,646,668, July 28.

Rinehart, Elwood R., Seattle, Wash. Metal plated smoking pipe. 2,662,531, Dec. 15.

Rinehart, Ernest V., assignor of one-half to L. T. Renner, Sterling, Ill. Drive for conveyer belts. 2,631,718, Mar. 17.

Rinehart, Ernestine and A., New York, N. Y. Shirt. 2,646,570, July 28.

Rinehart, Frederick E., Columbus, Ohio. Ringlike closure remover with internal grooves. 2,631,482, Mar. 17.

Rines, Robert H., Brookline, Mass. Electrical apparatus for solving right triangles. 2,624,874, Jan. 6.

Rines, Robert H., Brookline, Mass. Method of and apparatus for producing visual likenesses with the aid of radio waves. 2,627,600, Feb. 3.

Rines, Robert H., Brookline, Mass. System for measuring the thickness of opaque objects. 2,640,190, May 26.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of phase distortion. 2,629,772, Feb. 24.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reduction of phase distortion. 2,629,782, Feb. 24.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guided wave frequency range, frequency selective and equalizing structure. 2,633,492, Mar. 31.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic wave microwave frequency structure using hybrid junctions. 2,639,326, May 19.

Ring, Harold H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Rack and rack support assembly. 2,633,400, Mar. 31.

Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Guide for borehole tools. 2,625,445, Jan. 13.

Ringer, Luther: *See*—
Geldhof, Peter E., and Ringer.
Morrison, Harold E., Geldhof, and Ringer.

Ringgenberg, Herman I., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons with the aid of a fluid catalyst. 2,628,932, Feb. 17.

Ringham, Clarence R., and R. K. Simms, Bartlesville, Okla., assignors to Phillips Petroleum Company. Guarding selective adsorption separation systems. 2,632,726, Mar. 24.

Ringler, Maurycy, Stalina, Poland. Apparatus for cutting of rinsing pipes. 2,660,240, Nov. 24.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Device for setting up cartons. 2,627,791, Feb. 10.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Container. 2,630,263, Mar. 3.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Knockdown carrier. 2,634,895, Apr. 14.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co., Middletown, Ohio. Package for capped containers. 2,654,474, Oct. 6.

Ringman, Bernice, Los Angeles, Calif. Coordination aid for walking. 2,646,282, July 21.

Ringsmith, Oliver F., Newton Falls, assignor to The Taylor-Winfield Corporation, Warren, Ohio. Roller bearing. 2,625,450, Jan. 13.

Ringwald, Clarence, Springfield, Ohio. Safety signal apparatus for motor vehicles. 2,654,079, Sept. 29.

Ringwald, Eugene L.: *See*—
Mowry, David T., and Ringwald.

Rinia, Herre: *See*—
Jonkers, Cornelius O., Köhler, Rinia, and Liebe.

Rinia, Herre, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplitude discriminating noise reducing means. 2,662,174, Dec. 8.

Rink, Harold L., Bridport, and R. F. Spence, Melplash, England. Electric lighter. 2,657,340, Oct. 27.

Rink, Oscar C., assignee: *See*—
Pickel, James M.

Rink, Oscar C., Liberty, Mo. Grinding device for lawn mowers. 2,624,983, Jan. 13.

Rinke, James F., assignor to Potter and Brumfield Mfg. Co. Inc., Princeton, Ind. Relay. 2,632,071, Mar. 17.

Rinkenbach, William H., Rockaway, N. J., assignor of one-half to Trojan Powder Company. Treating water soluble salt to decrease caking and rate of leaching by ground water. 2,660,541, Nov. 24.

Rinker, Wilhelm, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Device for measuring workpieces such as screw threads and the like. 2,639,509, May 26.

Rinne, Elmer W., Steinauer, Nebr. Fuel transferring apparatus. 2,650,747, Sept. 1.

Rinse, Jacobus, Bernardsville, N. J. Epoxide resins heated with vegetable oils in the presence of steam. 2,652,376, Sept. 15.

Rinshed-Mason Company, assignee: *See*—
McCauley, Myron D.

Rion, Kail E., Langhorne, Pa. Spacer for car loaded boxes. 2,627,820, Feb. 10.

Riopelle, Earl F., Detroit, Mich., assignor, by mesne assignments, to Morse Chain Company, Ithaca, N. Y. Coupling for misaligned shafts. 2,633,719, Apr. 7.

Riopelle, Earl F., and C. E. Hein, Detroit, Mich., assignors to Morse Chain Company, Ithaca, N. Y. Flexible mounting for propeller fans. 2,641,910, June 16.

Riopelle, Earl F., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Spring bushed chain. 2,655,816, Oct. 20.

Riopelle, Earl F., Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Flexible coupling. 2,659,218, Nov. 17.

Ripple, Charles W., assignee: *See*—
Gaylor, Peter J.

Ripken, John F.: *See*—
Mason, Russell I., Ripken, and Bernier.

Ripley, Frederic C., Sr., assignee: *See*—
Smyser, Elmer D.

Ripley, Harold C., and J. J. Saul, assignors to Reliable Electric Company, Chicago, Ill. Wire grip. 2,650,118, Aug. 25.

Ripley, Stanley W., Gravesend, assignor to British Insulated Callender's Cables Limited, London, England. Mounting for reels, bobbins, and the like. 2,652,989, Sept. 22.

Ripley, Stanley W., Gravesend, assignor to British Insulated Callender's Cables Limited, London, England. Stranding machine. 2,659,192, Nov. 17.

Ripley, William J., assignor to Koehler Manufacturing Company, Marlboro, Mass. Last thimble. 2,634,452, Apr. 14.

Rippon, Francis F. C., New York, N. Y. Container for movably storing articles. 2,661,259, Dec. 1.

Ripon Knitting Works, assignee: *See*—
Reed, Alfred S.

Rippere, Robert O.: *See*—
Fogarty, Edward J., and Rippere.
Joel, Amos E., Jr., and Rippere.

Ripple, Melvin H.: *See*—
Martin, Frank A., and Ripple.

Ripple, Melvin H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner filter. 2,641,334, June 9.

Rips, Samuel H.: *See*—
Brattain, Paul L., and Rips.

Risch, Arthur H., and A. J. Nelson, Wauwatosa, assignors to Pulp Reproduction Company, Milwaukee, Wis. Molded decoy. 2,651,873, Sept. 15.

Risch, Karl: *See*—
Heberlein, Georges and Georg, Weiss, Risch, and Odinga.

Risco, Joseph L., Los Angeles, Calif. Flavoring device. 2,652,765, Sept. 2.

Risdon Manufacturing Company, The, assignee: *See*—
Reswick, James B.

Risher, John D.: *See*—
Stein, Herman W., and Risher.

Rising, Rachel L., Los Angeles, Calif. Headrest for automobiles. 2,642,927, June 23.

Risk, Norman E., and C. A. Ramsel, assignors to Caterpillar Tractor Co., Peoria, Ill. Flexible clutch enclosure. 2,641,346, June 9.

Risley, Roger E., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Large diameter coupling. 2,650,840, Sept. 1.

Risley, Roger E., and G. D. Kish, Bradford, Pa., assignors to Dresser Industries, Inc., Cleveland, Ohio. Pipe coupling. 2,648,551, Aug. 11.

Risley, Roger E., and H. L. Hoke, Bradford, Pa., assignors to Dresser Industries, Inc., Cleveland, Ohio. Multiple valve. 2,660,195, Nov. 24.

Rissberger, Arthur C., Jr.: *See*—
Christiansen, William S., and Rissberger.

Risser, Ivan H., Glenview, assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Vacuum filling stem. 2,639,077, May 19.

Risser, Jacob R., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,644,092, June 30.

Risser, Ross E., Jr., Bonham, Tex. Hose retraction assembly. 2,650,776, Sept. 1.

Rissman, Sanford, Danville, Ill. Slide fastener construction. 2,648,113, Aug. 11.

Rissler, Lennius R., Hohokus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Door hanger wheel. 2,632,199, Mar. 24.

Rist, Gottlieb A.: *See*—
Hohl, George I., Weise, and G. A. and J. M. Rist.

Ristow, John R., assignor to St. John & Co., Chicago, Ill. Leg assembly for wheeled trucks. 2,662,778, Dec. 15.

Risvold, Rachel M.: *See*—
Risvold, Sherman M. and R. M.

Risvold, Sherman M. and R. M., Huxley, Iowa. Bicycle rack. 2,639,813, May 26.

Ritchey, James J., Columbus, Ohio. Orthopedic device. 2,660,814, Dec. 1.

Ritchie, Paul F., assignor to Hercules Powder Company, Wilmington, Del. Hydroperoxides of dehydroabietic acid derivatives. 2,656,343, Oct. 20.

Ritchie, Paul F., assignor to Hercules Powder Company, Wilmington, Del. Preparation of esters of oxodehydroabietic acid. 2,656,344, Oct. 20.

Ritchie, William H., Philadelphia, Pa., and J. T. Humes, Harrisonburg, Va., said Humes assignor to said Ritchie. Typewriter retaining bracket. 2,651,483, Sept. 8.

Ritepoint Co., assignee: *See*—
Kuhn, Paul R.
Lipic, Sylvester G.
Lipic, Sylvester G., and Morrow.

Rite-Way Products Company, assignee: *See*—
Smith, Marvin J.

Rittenhouse, Wayne M., Liberty Mills, Ind. [illegible] seeder for tractors. 2,632,651, Mar. 24.

Ritter, Alexander S., Brielle, N. J. Plant s[illegible] tainer. 2,649,807, Aug. 25.

Ritter, Alexander S., Brielle, N. J. Potted pl[illegible] 2,661,574, Dec. 8.

Ritter, Audrey, assignee: *See*—
Sierer, Payson, and Waterbury.

Ritter, Bert, Detroit, Mich., assignor, by m[illegible] ments, to McKee Door Company, Aurora, I[illegible] door actuator. 2,637,550, May 5.

Ritter Company, Inc., assignee: *See*—
Lauterbach, Norman E.
Maurer, Jakob and R.
Ries, Edward J.

Ritter, Edwin E., Chalfonte, assignor to H[illegible] Inc., Philadelphia, Pa. Socket-type contact[illegible] July 28.

Ritter, George F., Toledo, Ohio. Abrasive tool[illegible] Dec. 22.

Ritter, Herman, Cranford, assignor to The S[illegible] facturing Company, Elizabeth, N. J. Lub[illegible] guarding means for sewing machines. Feb. 10.

Ritter, Lawrence: *See*—
Weidenheimer, Joseph F., Reed, and Up[illegible]
Weidenheimer, Joseph F., and Ritter.

Ritter, Lawrence, Valley Cottage, and J. F. W[illegible] Reid Park, Pearl River, assignors t[illegible] Cyanamid Company, New York, N. Y. Guan[illegible] of penicillin. 2,631,152, Mar. 10.

Ritter, W. M., Lumber Company, assignee: *Se*[illegible]
Klammt, Arthur, and Kretzschmar.

Ritter, Walter T.: *See*—
Ragan, Robert O., and Ritter.
Richardson, Ralph R., Ritter, Ragan, and

Rittershausen, Ernst P.: *See*—
Bruins, Paul F., Wilkinson, and Rittersh[illegible]

Rittner, Edmund S., Peekskill, and S. Fine[illegible] assignors to Philips Laboratories, Inc., [illegible] Hudson, N. Y. Relative humidity measurin[illegible] 2,638,783, May 19.

Ritsky, Louis, Philadelphia, Pa. Warp te[illegible] device for looms. 2,646,081, July 21.

Ritzenthaler, Bruce A.: *See*—
Donath, Edwin W., and Ritzenthaler.

Ritzert, Leroy J., Mount Vernon, Ind. [illegible] 2,626,496, Jan. 27.

Riva, Charles W., deceased, Cranston, R. I.; [illegible] administratrix of said C. W. Riva. Insta[illegible] ground pipes or ducts. 2,656,683, Oct. 27.

Riva, Louise E., administratrix: *See*—
Riva, Charles W.

Rivard, Nelson J., Milford, Conn. Grinding [illegible] for straight edge wood tool blades. 2,636,[illegible]

Rivas, Carlos E., Hollywood, assignor to M. [illegible] Los Angeles, Calif. Magnetic sound record[illegible] chine. 2,647,168, July 28.

Rivenburg, Douglas W., assignor to Minnes[illegible] well Regulator Company, Minneapolis, Minn[illegible] amplifying apparatus. 2,654,057, Sept. 29.

Rivers, Heyward, Augusta, Ga., assignor to [illegible] & Wilcox Company, Rockleigh, N. J. Ap[illegible] manufacturing brick. 2,641,820, June 16.

Rivera, Walter, Coeur d'Alene, Idaho. M[illegible] 2,643,837, June 30.

Riverside Metal Company, assignee: *See*—
Peterson, George, Jr.

Rives, Halcolm D., assignor to Swingspout M[illegible] pany, Los Angeles, Calif. Controlled flui[illegible] container. 2,641,385, June 9.

Rivet, Joseph C., Montreal, Quebec, Canad[illegible] time switch. 2,640,117, May 26.

Rivoche, Eugene, Washington, D. C. [illegible] 2,627,395, Feb. 3.

Rivoche, Eugene, Washington, D. C. [illegible] 2,630,304, Mar. 3.

Rivoche, Eugene, and M. Barsky, Washin[illegible] Apparatus for forming granular cong[illegible] 2,629,896, Mar. 3.

Rivoche, Eugene, and M. Barsky, Washington[illegible] paratus and method for forming solid fue[illegible] or bands. 2,635,286, Apr. 21.

Rixford, Henry K., and A. E. Rockwood, G[illegible] J. K. Maki, Westminster, assignors to Simp[illegible] corder Co., Gardner, Mass. Timing and re[illegible] ratus. 2,631,666, Mar. 17.

Rixton, Frederick H., Bloomfield, N. J., assig[illegible] inghouse Electric Corporation, East Pitt[illegible] Lamp starter. 2,625,622, Jan. 13.

Riza, Thomas H., Cleburne, assignor to F. St[illegible] Tex. Cotton stripping machine. 2,651,90[illegible]

Rizo-Patrón R., Alfonso, San Isidro, Lima, Pe[illegible] ing precious and base metals. 2,658,827, N[illegible]

Rizzo, Anthony A., East Cleveland, assignor [illegible] to J. J. Lazna, Cleveland Heights, Ohio. [illegible] apparatus for molding heel lifts. 2,658,238[illegible]

Roach, Charles D., Hempstead, N. Y. Adj[illegible] stripper. 2,638,222, May 12.

Roach, James R.: *See*—
Morris, John R., and Roach.

Roach, Vern S., Wichi a, Kans. Toolholder for grinding purposes. 2,627,147, Feb. 3.

Road, Richard A.: *See*—
Holmes, Henry B., and Road.

Road, Richard A., and O. K. Coleman, West Lafayette, assignors to Duncan Electric Manufacturing Company, Lafayette, Ind. Heavy-duty meter facilities. 2,626,309, Jan. 20.

Roan, Floyd D., assignor of one-half to T. A. Rogers, Lubbock, Tex., and one-half to The Lubbock Machine Company, Inc. Portable cotton cleaner. 2,639,469, May 26.

Roark, Leon S., Shreveport, La., assignor of twenty-five per cent to C. Kinard, twenty-five per cent to D. Hawkins, and twenty-five per cent to L. Puryear, all of El Dorado, Ark. Oxygen acetylene hose reel. 2,629,630, Feb. 24.

Roat, Henry, assignee: *See*—
Micucci, Guy.

Robards, Preston O.: *See*—
Emery, Neville R., and Robards.

Robb, Alexander L.: *See*—
Hodges, William C., and Robb.

Robb, Alexander L., assignor to Hodges Research and Development Company, Redwood City, Calif. Fluid motor vent check valve assembly. 2,635,619, Apr. 21.

Robbins, Azor D., Hempstead, N. Y. Collimating optical sight. 2,645,150, July 14.

Robb, Clarence C., and H. M. Zimmerman, Dunbar, W. Va. Automatic coating and draining machine. 2,640,584, June 2.

Robb, Frank B., assignee: *See*—
Bur, Armand.

Robb, John F., assignee: *See*—
Bur, Armand.

Robb, John W., assignee: *See*—
Bur, Armand.

Robb, William C., Stretford, assignor to Enna Limited, Greenford, England. Walking aid. 2,656,874, Oct. 27.

Robbins, Carl G., Des Plaines, Ill., assignor to Motor Products Corporation, Detroit, Mich. Refrigerator cabinet structure, including receptacle and mounting therefor. 2,640,751, June 2.

Robbins, Carl G., Des Plaines, Ill. Packing brace. 2,659,648, Nov. 17.

Robbins, Charles F.: *See*—
Putnam, David F., Robbins, and Meyers.

Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Marking machine. 2,624,278, Jan. 6.

Robbins, Charles F., and B. G. Harvey, assignors to Markem Machine Company, Keene, N. H. Machine for making an imprint on cylindrical articles. 2,625,098, Jan. 13.

Robbins, Clifford B., Tampa, Fla. Cleaning tool for meat tenderizing machines. 2,633,594, Apr. 7.

Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Sealing device. 2,639,928, May 26.

Robbins, Frederick P., Highland Park, Ill. Photoreproduction device. 2,652,757, Sept. 22.

Robbins, George W., Arlington, Ind. Wire unwinding spool and supporting structure. 2,650,777, Sept. 1.

Robbins, Homer R., Amarillo, assignor to E. Y. Brown, Fort Worth, Tex. Convertible playground apparatus. 2,648,538, Aug. 11.

Robbins, Jack E., New York, N. Y. Brassière. 2,632,167, Mar. 24.

Robbins, James S., Highland Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Coal drill. 2,650,083, Aug. 25.

Robbins, James S., Highland Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Coal mining machine with eccentrically mounted disk cutters. 2,653,806, Sept. 29.

Robbins, Jesse J., Glendale, Calif., assignor to Stylofede Corporation. Knitting needle. 2,633,720, Apr. 7.

Robbins, Jesse J., Glendale, Calif., assignor to Stylofede Corporation. Baby crib mattress elevator. 2,658,207, Nov. 10.

Robbins, John, Honaunau, Territory of Hawaii. Piano keyboard. 2,627,777, Feb. 10.

Robbins, Leonard A., Salt Lake City, Utah. Photographic film developing composition containing beta, beta'-dichloroethyl ether. 2,657,138, Oct. 27.

Robbins Mills, Incorporated, assignee: *See*—
Adams, Hal M.
Fahringer, Victor T.

Robbins & Myers, Inc., assignee: *See*—
Lloyd, Tom C., and Chang.

Robbins, Ralph I., Andover, Mass., assignor to American Felt Company, Glenville, Conn. Felt hardening machine. 2,645,837, July 21.

Robbins, Thomas E., Jr., Nutley, N. J., and W. H. Hill, assignors to Koppers Company, Inc., Pittsburgh, Pa. Mineral flotation. 2,644,586, July 7.

Robbins, William E., assignor to C. R. Myre, Paynesville, Minn. Antenna. 2,640,932, June 2.

Robbins, William P.: *See*—
Knapp, George P., Burns, Robbins, and Zwack.

Robeer, Andries G.: *See*—
Roterweg, Dirk, Breimer, and Robeer.

Robell, John: *See*—
Korin, Andrew D., and Robell.

Roberg, Wilfred P., Springfield, Mass. Reciprocating piston pressure priming device. 2,657,639, Nov. 3.

Roberge, Arthur R., La Crosse, Wis. Device for observing the amount of poured grains of material. 2,635,790, Apr. 21.

Roberge, Philip F., Wethersfield, Conn. Exerciser and leg rest. 2,644,688, July 7.

Roberson, Claude M., Shreveport, La. Crown block brake assembly. 2,646,251, July 21.

Roberson, Cyrus E., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Conical plug refiner. 2,645,983, July 21.

Robert Building Inventions Limited, assignee: *See*—
Henderson, Robert.

Robert, Jacques G.: *See*—
Jacob, Robert M., and Robert.

Robert, Jean: *See*—
Gailliot, Paul, and Robert.

Robert, Leon, Juilouville Les Pins, France. Pendulum actuated electric clock. 2,642,715, June 23.

Robert, Roger, Paris, and P. Matge, Aubervilliers, France; said Matge assignor to said Robert. Device for the launching of rockets from airplanes. 2,630,741, Mar. 10.

Robert, Roger A., Boulogne-sur-Seine, and P. P. Matge, Aubervilliers, France; said Matge assignor to said Robert. Apparatus for launching rocket bombs from aircraft. 2,630,740, Mar. 10.

Roberts, Benjamin K., Austin, Minn. Producing ice bodies and apparatus for producing the same. 2,629,986, Mar. 3.

Roberts, Bruce, assignor to The International Electronics Company, Philadelphia, Pa. Magnetic recording and reproducing apparatus combined with disk reproducers. 2,625,611, Jan. 13.

Roberts, Bruce, assignor to The International Electronics Company, Philadelphia, Pa. Magnetic recording system. 2,653,819, Sept. 29.

Roberts, Carl W., Baxter Springs, Kans. Steam finisher for fabrics. 2,637,125, May 5.

Roberts, Charles B., trustee, assignee: *See*—
Illig, George D.

Roberts Co., The, assignee: *See*—
Hopkins, Alan.
Roberts, Roy M.

Roberts, Edward S.: *See*—
Allen, Louis N., Jr., McGauley, and Roberts.

Roberts, Edward S., assignor to Chemical Construction Corporation, New York, N. Y. Precipitation of pure metallic copper from copper-bearing solutions. 2,647,825, Aug. 4.

Roberts, Edward S., New York, and P. J. McGauley, Glen Cove, N. Y., and F. A. Schaufelberger, Elizabeth, N. J., assignors to Chemical Construction Corporation, New York, N. Y. Gas replacement of metal sulfides. 2,662,009, Dec. 8.

Roberts, Elliott J., R. M. Foley, and D. F. Wells, Westport, assignors to The Dorr Company, Stamford, Conn. Roasting of sulfides. 2,625,464, Jan. 13.

Roberts, Erle: *See*—
Bock, George E., Roberts, and Hokanson.

Roberts, Frank B., Anaheim, Calif. Sizing apparatus. 2,645,342, July 14.

Roberts, Fred G., Lakewood, Ohio, assignor to Union Carbide and Carbon Corporation. Resilient pad for electrical contact brushes. 2,640,943, June 2.

Roberts, George G.: *See*—
Skolmen, Torger, Roberts, and Enson.

Roberts, George H., Los Angeles, Calif., assignor by decree of distribution, to V. V. Roberts. Heater for oil and other wells. 2,647,585, Aug. 4.

Roberts, George, Jr., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Producing reducing gas mixtures. 2,625,470, Jan. 13.

Roberts, Glyn P., Wolverhampton, England, assignor to Bendix Aviation Corporation, South Bend, Ind. Braking system for vehicles. 2,648,406, Aug. 11.

Roberts, Gwilym E.: *See*—
Thomas, Ivor L., and Roberts.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Magnetic stopping device. 2,640,310, June 2.

Roberts, James A.: *See*—
Fischer, Howard R., and Roberts.

Roberts, John F., Portland, assignor of one-half to F. K. Schneider, Newport, Oreg. Combination ironing board and bench. 2,649,137, Aug. 18.

Roberts, John M.: *See*—
Gottshall, Russel Y., Roberts, and Portwood.

Roberts, John T., Baton Rouge, La., assignor to Standard Oil Development Company. Storage tank facility. 2,644,612, July 7.

Roberts, Lawrence F., New York, N. Y. Indoor television receiving antenna. 2,632,105, Mar. 17.

Roberts, Maurice, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Variable width wrapper strip guide for sewing machines. 2,640,448, June 2.

Roberts, Richard B.: *See*—
Heydenburg, Norman P., and Roberts.

Roberts, Roland R.: *See*—
Trosch, Alfred, and Roberts.

Roberts, Roy M., Arcadia, assignor to The Roberts Co., Los Angeles, Calif. Carpet anchor. 2,631,327, Mar. 17.

Roberts, Roy M., Arcadia, assignor to The Roberts Co., Los Angeles, Calif. Carpet and making same. 2,638,427, May 12.

Roberts, Russell M., Farmington, Mich. Gauge for measuring cavities. 2,635,466, Apr. 21.

Roberts, Samuel B., Greenwich, Conn., and B. C. Gibbs, Teaneck, N. J., assignors to Celanese Corporation of America, New York, N. Y. Tool for handling packages of yarn. 2,625,422, Jan. 13.

Roberts, Shepard, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide variable attenuator. 2,646,551, July 21.

Roberts, Shepard, Cambridge, Mass. Ultrahigh-frequency mixer. 2,664,502, Dec. 29.

Roberts, Sinclair T., Philadelphia, Pa. Spirit level. 2,634,509, Apr. 14.

Roberts, Tom R., Homestead, Fla. Safety snap hook. 2,657,446, Nov. 3.

Roberts, Tom R., Homestead, Fla. Saw filing device. 2,662,425, Dec. 15.

Roberts, Viola V., assignee: *See*—
Roberts, George H.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. High gain selective signal amplifier system. 2,629,025, Feb. 17.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Electromechanical filter. 2,631,193, Mar. 10.

Roberts, Walter van B., Princeton, N. J. Continuous wave radar system. 2,645,769, July 14.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Multiple-neck filter. 2,662,217, Dec. 8.

Roberts, Walter van B., and L. L. Burns, Jr., Princeton, N. J., assignors to Radio Corporation of America. Electromechanical filter. 2,647,948, Aug. 4.

Roberts, Willard A.: *See*—
Moore, Frank L., and Roberts.

Roberts, William C., and O. E. Duffy, Chattanooga, Tenn., assignors of one-fourth to C. H. Duffy, Washington, D. C. Cam cleat. 2,627,834, Feb. 10.

Roberts, William C., assignor to Bone Tool & Gauge Company, Detroit, Mich. Pot type burner for liquid fuel. 2,640,530, June 2.

Roberts, William L.: *See*—
Ransom, David H., Roberts, and Taplin.

Robertshaw-Fulton Controls Company, assignee: *See*—
Branson, Charles D.
Caparone, Michael J.
Caparone, Michael J., and Vaughn.
Carson, William W., Jr.
Eskin, Samuel G., and Arkelyan.
Eskin, Samuel G., and Main.
Fox, Charles E. K.
Jackson, Wilbur F.
Main, Robert C.
Strobel, Charles K.

Robertshaw, Robert G.: *See*—
Lamont, Hugh R. L., and Robertshaw.

Robertshaw, Robert G., assignor to The General Electric Company Limited, London, England. Forming a particle coating on a metal component of an electric discharge device. 2,660,547, Nov. 24.

Robertson, Alexander, assignor to Venango Engineering Co., Inc., Philadelphia, Pa. Drier. 2,632,961, Mar. 31.

Robertson, Alexander F.: *See*—
Benninghoff, William L., and Robertson.

Robertson, Alexander F., Charlottesville, Va., and J. R. Tallackson, Oakridge, Tenn. Recording decelerometer. 2,639,210, May 19.

Robertson, Andrew, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Short stop xanthation. 2,629,714, Feb. 24.

Robertson, Andrew, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Xanthation process. 2,629,715, Feb. 24.

Robertson, Charlotte R. B., assignee: *See*—
Bletcher, Ralph E., and Bentley.

Robertson, Clarence E., Jr.: *See*—
Bernstein, Jacob M., and Robertson.

Robertson, Donald D., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coordinate selecting and lock-out circuit for interpolated speech transmission. 2,629,020, Feb. 17.

Robertson, Donald D., Morristown, and A. V. Wurmser, Mount Bethel, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coordinate switching and lock-out circuit in interpolated speech receiving system. 2,629,021, Feb. 17.

Robertson, Eldridge B.: *See*—
O'Brien, Victor B., and Robertson.

Robertson, Ernest O.: *See*—
Kinsella, John, and Robertson.

Robertson, Evans, Lombard, assignor to Pipe Line Service Corporation, Franklin Park, Ill. Propelling mechanism. 2,653,720, Sept. 29.

Robertson, Frank H.: *See*—
Swain, Arthur E., and Robertson.

Robertson, Frank H., Carisbrooke, Isle-of-Wight, assignor to Saunders-Roe Limited, Osborne, England. Cylindrical object ejecting apparatus. 2,646,786, July 28.

Robertson, Frank H., Carisbrooke, Isle-of-Wight, assignor to Saunders-Roe Limited, Isle-of-Wight, England. Landing control for aircraft. 2,658,701, Nov. 10.

Robertson, Fred O., Indianapolis, Ind., assignor by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Package of flat articles with adjustable partition. 2,638,212, May 12.

Robertson, H. H., Company, assignee: *See*—
Coffman, Alden W.
Johnson, Thomas B.
Wiesmann, Joseph W.

Robertson, Jackson P., Columbus, Miss. Multiple disk harrow. 2,640,307, June 2.

Robertson, Jackson P., Columbus, Miss. Multiple disk harrow. 2,646,657, July 28.

Robertson, Leonard F., Jr., Silver Spring, Md., assignor to Magnavox Company, Fort Wayne, Ind., a corporation of Indiana. Magazine floor plate release mechanism. 2,657,4

Robertson, Marion A., and J. C. Sanders, Tulsa, Okla. Flow choke. 2,625,179, Jan. 13.

Robertson, Milton S., Campbell, Calif. Spray gun. 2,624,615, Jan. 6.

Robertson, Nat C.: *See*—
Morgan, Chester S., Jr., and Robertson.

Robertson, Nat C., Corpus Christi, Tex., assignor to Celanese Corporation of America. Extractive distillation of allyl alcohol from n-propyl alcohol. 2,663,6

Robertson, Neil F., Tacoma, Wash. Door lock. 2,624,993, July 14.

Robertson Paper Box Company Incorporated, assignee: *See*—
Tyrseck, Walter J.

Robertson, Robert, assignor to Hallam, Sleigh & Cheston Limited, Birmingham, England. Lock nut. 2,634,147, Apr. 7.

Robertson, Robert C., Scarsdale, N. Y. Air conditioning system. 2,654,305, Oct. 6.

Robertson, Robert H., Orono, Maine, assignor by mesne assignments to R. B. Stevens, Greenwich, N. Y. Article conveying device. 2,624,993, Jan. 13.

Robertson, Sloan D., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave carrier telephone system. 2,650,268, Aug. 18.

Robertson, William, and L. W. Higgins, assignors to Fox River Dog Electric Products Company, Detroit, Mich., a corporation of Michigan. Dog board neutral bar. 2,643,363, June 23.

Robeson, Charles D., assignor to Eastman Kodak Company, Rochester, N. Y. Alpha, alpha-vitamin carotenes and synthesis of isoprenic polyenes. 2,662,9

Robeson, Max O., and R. A. Springer, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Isomerization of alkyl halides. 2,660,609, Nov. 24.

Robey & Co. Limited, assignee: *See*—
Crompton, Arthur.

Robey, Wesley M., Jr., Arlington, assignor to Textile Machinery and Chemical Corporation, San Antonio, Tex., a corporation of Texas. Electric car squeeze. 2,629,337, Feb. 24.

Robey, William G., Grafton, W. Va. Toothbrush. 2,662,238, Dec. 15.

Robic, Raymond A., Outremont, Montreal, Quebec, Canada. Evaporative cooler and humidifier. 2,631,8

Robichaux, Roy P.: *See*—
Lundal, Ingle J., and Robichaux.

Robichaux, Roy, Brodbend, Wis. Hydrogen ion concentration adjustment. 2,638,419, May 12.

Robie, Norman P., Hamburg, N. Y., assignor to The Carborundum Refractories & Abrasives Corporation. Abrasive. 2,638,413, May 12.

Robillard, André A., assignor to Compagnie Auxiliaire des Mines, Douai, France. Accumulator battery. 2,657,Nov. 10

Robin, Leo, Ville-d'Avray, France. Free wheel mechanism. 2,645,319, July 14.

Robin Products Company, assignee: *See*—
Peckham, Roy E.

Robin, Roger, Lormaison, assignor to Société Anonyme Neyret, Paris, France. Warp stop motion for looms and other textile machines. 2,650,6

Robins, Harry J., assignee: *See*—
Baca, Hugo H.

Robins, Irving, assignor to Add-A-Handle Corporation, Company, Chicago, Ill. Box. 2,645,406, July

Robins, Leonard J., assignor to Add-A-Handle Corporation, Chicago, Ill. Carton structure. 2,662,684,

Robins, Samuel D., Lawrence, N. Y. Belt conveyor. 2,650,695, Sept. 1.

Robinsohn, Jacob, New York, N. Y. Slide fastener. 2,632,220, Mar. 24.

Robinson, Albert P., Seattle, Wash. Surface finishing machine. 2,629,210, Feb. 24.

Robinson, Albert S., assignor to Specialloid Limited, Coventry, England. Piston ring. 2,657,962, Nov. 3.

Robinson, Alfred K., Newport Beach, and W. Santa Ana, Calif. Multiple standard impedance measuring system. 2,642,534, June

Robinson, Art L., Odessa, assignor to Merla Corporation, Dallas, Tex. Well flow apparatus. June 23.

Robinson, Arthur A.: *See*—
Williams, Frederic C., Robinson, and Kl

Robinson Aviation, Inc., assignee: *See*—
Titus, Elwin S.

Robinson, Bell P., Flint, Mich. Produce-handling apparatus. 2,633,970, Apr. 7.
Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,660,740, Dec. 1.
Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,629,055, Feb. 17.
Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,632,110, Mar. 17.
Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,648,009, Aug. 4.
Robinson, Charles F., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,650,306, Aug. 25.
Robinson, Charles S. L.: *See*—
Worthen, Eugene P., and Robinson.
Robinson, Charles V.: *See*—
Chu, Lan Jen, and Robinson.
Robinson, Charles V., Newton Center, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Scanning antenna. 2,633,533, Mar. 31.
Robinson, Charles V., Newton Center, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Feed locus for semiparabolic reflector. 2,656,464, Oct. 20.
Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Latch operating mechanism. 2,628,117, Feb. 10.
Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Counterbalancing mechanism for articulated overhead doors. 2,630,597, Mar. 10.
Robinson, Eli A., and A. F. Heck, assignors to The Collette Manufacturing Company, Amsterdam, N. Y. Inflatable article having retaining collar. 2,625,398, Jan. 13.
Robinson, Ernest L., and C. M. Gardiner, Schenectady, N. Y., assignors to General Electric Company. Composite multistage turbomachine rotor. 2,660,399, Nov. 24.
Robinson, Ewen D., and D. F. Mason, Mount Holly, N. C., assignors to Southern Dyestuff Corporation. Liquid indophenol sulfurized-vat dyestuffs and making them. 2,627,450, Feb. 3.
Robinson, Ewen D., and D. F. Mason, Mount Holly, N. C., assignors to Southern Dyestuff Corporation. Thionated indophenol products and processes. 2,657,112, Oct. 27.
Robinson Furniture Company, assignee: *See*—
Ulrich, Sanford S.
Robinson, George B., Napa, Calif. Mechanical hand. 2,641,769, June 16.
Robinson, George B., Napa, Calif. Mechanical pronating and supinating wrist. 2,654,891, Oct. 13.
Robinson, George B., Napa, Calif. Mechanical flexion and extension wrist. 2,656,546, Oct. 27.
Robinson, George D.: *See*—
Logan, Joseph A., and Robinson.
Tapp, Harry F., and Robinson.
Robinson, Harris A., Philadelphia, Pa., assignor to Radio Corporation of America. Discriminator circuits. 2,652,489, Sept. 15.
Robinson, Harris A., Philadelphia, Pa., assignor to Radio Corporation of America. Highly selective and stable wide range frequency converting circuits. 2,654,832, Oct. 6.
Robinson, Herbert T.: *See*—
Kesel, Robert E., and Robinson.
Robinson, Horace M., Los Angeles, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Double speed motor. 2,636,155, Apr. 21.
Robinson, James, Huntington Woods, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,642,810, June 23.
Robinson, James E., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Single carrier transmission of sound and video signals. 2,647,944, Aug. 4.
Robinson, James E., Eggertsville, N. Y., assignor to American Optical Company, Southbridge, Mass. System for the transmission of intelligence by radio. 2,632,148, Mar. 17.
Robinson, James E., Eggertsville, N. Y., assignor to American Optical Company, Southbridge, Mass. Transmission of picture and sound on the same carrier. 2,653,184, Sept. 22.
Robinson, James E., Pittsburgh, Pa., assignor to United States Steel Corporation. Annealing base construction. 2,660,420, Nov. 24.
Robinson, John C., Pittsfield, Mass., assignor to General Electric Company. Magnetic sheet material provided with a separator coating and making same. 2,641,556, June 9.
Robinson, John H., Louisville, Ky., assignor to General Electric Company. Clothes drier lint trap. 2,644,246, July 7.
Robinson, John S.: *See*—
Cook, Wayne S., and Robinson.
Robinson, John W., Atlantic Beach, Fla., assignor to Fram Corporation. Filter element formed of paper impregnated with thermoplastic resin. 2,654,440, Oct. 6.
Robinson, John W., Atlantic Beach, Fla., and W. S. James, Providence, R. I., assignors to Fram Corporation. Filter for removing ice crystals from hydrocarbon liquids and the like. 2,654,482, Oct. 6.
Robinson, John W., Barrington, and M. Dobrolet, Pawtucket, R. I., assignors to Fram Corporation. Filter. 2,646,887, July 28.
Robinson, Joseph, New York, N. Y. Slack adjuster. 2,642,963, June 23.
Robinson, Joseph, New York, N. Y. Container closure. 2,651,528, Sept. 8.
Robinson, Joseph, New York, N. Y. Switch point protector. 2,657,886, Nov. 3.
Robinson, Joseph D., Winter Park, and H. A. Simpson, Oviedo, Fla., said Simpson assignor to said Robinson. Heater for fields, orchards, and the like. 2,641,085, June 9.
Robinson, Joseph J., Jr., Dover, and H. M. Wassem, New Philadelphia, Ohio. Transfer mechanism for automobile parking garages. 2,633,809, Apr. 7.
Robinson, Joseph J., Jr., Dover, and H. M. Wassem, New Philadelphia, Ohio. Reversing connector plug and adapter for three-phase motors. 2,634,344, Apr. 7.
Robinson, Kenneth I., and C. Cipriani, Toledo, Ohio. Fuel pump. 2,625,113, Jan. 13.
Robinson, Kenneth W., Princeton, N. J., assignor to Radio Corporation of America. High-voltage system. 2,646,542, July 21.
Robinson, Kyle I., Glenshaw, assignor to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Hydraulic propelling unit for pipe cleaners. 2,640,213, June 2.
Robinson, Lawrence R.: *See*—
Lang, Walter S., and Robinson.
Robinson, Leland P., and H. W. Washburn, Pasadena, and W. J. Hirschberg, La Crescenta, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,662,185, Dec. 8.
Robinson, Lowell V., assignor to Crawford Door Company, Detroit, Mich. Roller construction. 2,655,684, Oct. 20.
Robinson, Marion B., Great Neck, N. Y. Projectile method and means. 2,654,321, Oct. 6.
Robinson, Maurice C.: *See*—
Neracher, Carl A., and Robinson.
Robinson, Maurice C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Electrical circuit for a transmission and clutch control apparatus. 2,628,696, Feb. 17.
Robinson, Mayes R., assignor to Air-O Fan Products Corporation, Gilroy, Calif. Agricultural spraying machine. 2,641,504, June 9.
Robinson, Norman, Southport, and P. R. Lutters, Fairfield, Conn. Permanent built-in folding boarding ladder for boats. 2,627,831, Feb. 10.
Robinson, Paul C., Canajoharie, N. Y., assignor to Arkell and Smiths. Bag baling machine. 2,653,431, Sept. 29.
Robinson, Philip I., Derby, England. Pottery casting machine. 2,642,644, June 23.
Robinson, Philip W., assignor to Frazier-Simplex, Inc., Washington, Pa. Tank level control. 2,625,658, Jan. 13.
Robinson, Preston, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Electric battery. 2,631,180, Mar. 10.
Robinson, Preston, Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Tuning assembly. 2,659,820, Nov. 17.
Robinson, Ralph, Wauwatosa, assignor to Milwaukee Stamping Company, West Allis, Wis. Can top piercing tool for opening and venting in one operation. 2,663,076, Dec. 22.
Robinson, Richard A.: *See*—
Cusic, John W., and Robinson.
Robinson, Richard A., Morton Grove, assignor to G. D. Searle & Co., Chicago, Ill. Quaternary ammonium salts derived from heterocyclylalkyl esters of tropic acid. 2,648,666, Aug. 11.
Robinson, Richard A., Morton Grove, assignor to G. D. Searle & Co., Chicago, Ill. Quaternary ammonium salts of diisopropylaminoalkyl esters of diphenylacetic acid. 2,648,699, Aug. 11.
Robinson, Richard R.: *See*—
Harrison, Geoffrey B., and Robinson.
Robinson, Robert D., Uxbridge, Mass., and R. P. Jacques, Woonsocket, R. I., assignors to Bachmann Uxbridge Worsted Co., Inc., Uxbridge, Mass. Method and apparatus for applying liquids to fibers. 2,660,763, Dec. 1.
Robinson, Robert R., assignor to The National Cash Register Company, Dayton, Ohio. Hand stamp. 2,647,461, Aug. 4.
Robinson, Ronald R., Morton, assignor to Caterpillar Tractor Co., Peoria, Ill. Tube closure. 2,647,655, Aug. 4.
Robinson, Ronald R., Morton, and K. J. Fleck, assignors to Caterpillar Tractor Co., Peoria, Ill. Centrifugal type engine governor having hydraulically assisted speed setting control. 2,631,837, Mar. 17.
Robinson, Roy C., New York, N. Y. Electric bulb remover. 2,637,587, May 5.
Robinson, Roy H., Chicago, Ill. Racket for tennis and batting games. 2,626,804, Jan. 27.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus and method for heat exchange. 2,627,497, Feb. 3.

Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Stabilized alumina pebbles. 2,630,616, Mar. 10.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alumina pebble. 2,630,617, Mar. 10.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Ammonium sulfate production. 2,631,084, Mar. 10.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Stabilized alumina pebbles. 2,631,353, Mar. 17.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Stabilized alumina pebbles. 2,633,622, Apr. 7.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Mullite-bonded zircon pebbles. 2,633,623, Apr. 7.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Making alumina pebbles. 2,635,950, Apr. 21.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of ammonium sulfate and calcium carbonate. 2,640,757, June 2.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of spent sulfuric acid. 2,643,938, June 30.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Coating of ammonium nitrate fertilizer. 2,644,769, July 7.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Heat-exchange pebbles. 2,644,799, July 7.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of hydrogen from hydrocarbons. 2,647,041, July 28.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Ammonium sulfate and calcium oxide manufacture. 2,656,247, Oct. 20.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of acetylene from gaseous mixtures by glycolonitrile. 2,659,453, Nov. 17.
Robinson, Sam P., and R. R. Goins, Bartlesville, Okla., assignors to Phillips Petroleum Company. Pebble testing method and apparatus. 2,644,328, July 7.
Robinson, Sidney, Weston, Mass., assignor to the United States of America as represented by the United States Atomic Enery Commission. Incineration system. 2,648,348, Aug. 11.
Robinson, Victor I.: *See*—
Goldberger, Gerald N., and Robinson.
Robinson, Ward M., Meadville, Pa. Disposable razor. 2,654,148, Oct. 6.
Robinson, William, Chicago, Ill., assignor, by mesne assignments, to Certified Gas Equipment Corporation, Mansfield, Ohio. Rotary valve with indexing and locking devices. 2,634,949, Apr. 14.
Robinson, William M., Fairhaven, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Automatic paper or foil break stop. 2,634,065, Apr. 7.
Robinson, William W., Jr., Hollywood, Calif., assignor to Texaco Development Corporation, New York, N. Y. Treatment of industrial waters. 2,657,178, Oct. 27.
Robinson, William W., Jr., Hollywood, Calif., assignor to Texaco Development Corporation, New York, N. Y. Treatment of industrial waters. 2,657,179, Oct. 27.
Robishaw, Alces P., assignor to C. N. Housh, Houston, Tex. 2,639,650, May 26.
Robison, Clinton S., Chicago, Ill. Salt drying and cooling apparatus. 2,624,953, Jan. 13.
Robison, Clinton S., assignor to Morton Salt Company, Chicago, Ill. Antioxidant salt and preparing the same. 2,645,581, July 14.
Robison, John E., Warren, assignor to Fir-Tex Insulating Board Co., St. Helens, Oreg. Fire retardant coating containing a carbohydrate, urea or melamine-formaldehyde and dicyandiamide or melamine. 2,648,641, Aug. 11.
Robison, Samuel B., and J. Rehner, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Esterification process utilizing added unsaturated acids. 2,632,021, Mar. 17.
Robot Appliances, Inc., assignee: *See*—
Miller, Harold L.
Robot Laundry Machinery Corporation of California, assignee: *See*—
Harvey, Herbert.
Robotron Corporation, assignee: *See*—
Rockafellow, Stuart C.
Robotti, Joseph, Great Neck, N. Y. Reed organ wind supply. 2,650,514, Sept. 1.
Robotti, Joseph, Great Neck, N. Y. Wind supply device for musical instruments. 2,650,515, Sept. 1.
Robotyper Corporation, assignee: *See*—
Carlson, George W.
Robson, Arthur R. D., Dogmersfield, near Basingstoke, and A. P. Johnstone, Frimley, assignors to Power Jets (Research & Development) Limited, London, England. Jet spoiling means for aircraft gas turbines. 2,637,164, May 5.
Robson, Hector H., Scarsdale, N. Y., assignor to United Fruit Company, Boston, Mass. Insulating hatchcover with inflatable gasket. 2,657,661, Nov. 3.
Robson, Homer L., Lewiston, N. Y., assignor to [illegible] Chemical Corporation. Intercrystallized lith[illegible] chlorite-sodium sulfate composition. 2,640,02[illegible]
Robson, Robert, Bexley Heath, assignor to Th[illegible] Electric Company, Limited, London, England. [illegible] tippler for railway wagons. 2,659,499, Nov.
Roby, Sheldon S., Meriden, assignor to The Stan[illegible] New Britain, Conn. Electric mat switch. [illegible] Jan. 13.
Roby, Sheldon S., Meriden, assignor to The Stan[illegible] New Britain, Conn. Rope attaching means. [illegible] Apr. 21.
Roby, Sheldon S., Meriden, assignor to The Stan[illegible] New Britain, Conn. Control means for aut[illegible] operated doors. 2,641,466, June 9.
Rocard, Yves A., Paris, France. Voltage regulat[illegible] 2,633,562, Mar. 31.
Roccato, Emilio, Como, Italy. Resilient [illegible] assembly for dental prosthesis. 2,660,789,
Rocchini, Albert G., Springdale, assignor to Gul[illegible] & Development Company, Pittsburgh, Pa. An[illegible] agents and compositions comprising the same. [illegible] Jan. 13.
Roche, Alleman H.: *See*—
Wright, Frank C., Hodgson, and Roche.
Roche, André, Aix-en-Provence, France. Lo[illegible] spray gun. 2,656,217, Oct. 20.
Roche, Arthur F., Freeland, and R. M. Price, as[illegible] The Dow Chemical Company, Midland, Mi[illegible] stabilized molding compositions of vinyl [illegible] polymers and method of making the same. [illegible] Jan. 6.
Roche, Clifton R., Los Angeles, Calif. Automa[illegible] mission. 2,645,137, July 14.
Roche, Jack, New Orleans, La. Portable rev[illegible] paper tape from business machines. 2,650,77[illegible]
Roche, John J., assignee: *See*—
Wingo, James, Jr.
Rochester Lead Works, Inc., assignee: *See*—
Cerasani, Americo J.
Rochester Manufacturing Company, Inc., assig[illegible]
Hall, Leonard L., and Tollefsen.
Rochford, Martin P., West Springfield, Mass. [illegible] bed. 2,657,399, Nov. 3.
Rochford, Michael J., Chicago, Ill. Sunb[illegible] 2,659,905, Nov. 24.
Rochlin, Doris C., and G. M. Crepps, Newton, K[illegible] deflector for hair driers. 2,637,853, May 12.
Rochlin, Raymond, New York, N. Y. Rotatab[illegible] versible heel element. 2,628,439, Feb. 17.
Rochow, Arthur J., Pittsford, N. Y. Twi[illegible] 2,653,776, Sept. 29.
Rock, Arthur F., assignor to General Dry Batt[illegible] Lakewood, Ohio. Dry cell battery. 2,658,93[illegible]
Rock, George L. Jonesville, Mich., assignor [illegible] Products Company, Chicago, Ill. Screw d[illegible] struction. 2,658,766, Nov. 10.
Rockafellow, Stuart C., Farmington, assignor t[illegible] Corporation, Detroit, Mich. Gas tube ener[illegible] timing device. 2,628,331, Feb. 10.
Rockett, John F., Jr., Medford, assignor to [illegible] Broadcasting System, Inc., Salem, Mass. Co[illegible] trol system. 2,640,788, June 2.
Rockey, Harry J., Sr.: *See*—
Weimer, John H., and Rockey.
Rockford Show Case & Fixture Co., assignee: [illegible]
Michaelsen, William G. and C. W., and G[illegible]
Dolan.
Rockford Wire Stripper Co., assignee: *See*—
Wood, Stuart G.
Rockhoff, Bert E., Grosse Pointe Farms, and [illegible] assignors to Detroit Steel Products Compan[illegible] Mich. Machine for making frames. 2,663,20[illegible]
Rock Island Millwork Company, assignee: *See*
Dowling, Arthur P.
Rockledge Manufacturing Company, assignee: [illegible]
Weaklend, Walter L.
Rocklen, William W., West Haven, Conn. [illegible] testing device. 2,662,398, Dec. 15.
Rockman, Benjamin W., Takoma Park, Md. [illegible] container for electrical connectors. 2,643,787
Rockoff, Joseph, Dayton, Ohio, assignor to T[illegible] Rubber Company. Apparatus for impregnat[illegible] materials. 2,637,892, May 12.
Rockoff, Joseph, Dayton, Ohio, assignor to T[illegible] Rubber Company. Slasher roll. 2,643,436
Rockoff, Joseph, Dayton, Ohio, assignor to T[illegible] Rubber Company. Oil well packer. 2,661,0[illegible]
Rockola, David C., assignor to Rock-Ola Man[illegible] Corporation, Chicago, Ill. Shuffleboard pin. [illegible] Feb. 24.
Rock-Ola Manufacturing Corp., assignee: *See*—
Price, Duane W.
Rockola, David C.
Rocks, Hugh N., assignor to Landis Tool [illegible] Waynesboro, Pa. Indexing device. 2,651,89[illegible]
Rockwell, Chauncey L., Portland, Oreg., assignor [illegible] assignments, of one-half to R. P. Gantenb[illegible] Aston, and R. Adams. Feed delivery device[illegible] paper sections and the like. 2,644,685, July
Rockwell, Edward A.: *See*—
Minshall, Robert J., and Rockwell.
Rockwell, Edward A., Cleveland, Ohio. Pressu[illegible] erated pressure intensifier. 2,638,747, May 1

Rockwell, Edward A., Shaker Heights, Ohio. Power unit for delivering hydraulic power. 2,627,726, Feb. 10.

Rockwell, Edward A., Shaker Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Maximum pressure control valve. 2,636,511, Apr. 28.

Rockwell, Edward A., Shaker Heights, Ohio. Fluid pressure intensifying means. 2,646,665, July 28.

Rockwell, Edward A., Shaker Heights, Ohio. System of auxiliary carburetion for internal-combustion engines. 2,650,081, Aug. 25.

Rockwell, Harvey W., Cedar Rapids, Iowa, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Bulldozer with push frame stabilizer mechanism. 2,624,131, Jan. 6.

Rockwell, Harvey W., Cedar Rapids, Iowa, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Hydraulic power steering mechanism. 2,638,998, May 19.

Rockwell, Hugh M., Freeport, N. Y. Wheel support with a circumferentially and axially movable toolholder. 2,652,078, Sept. 15.

Rockwell, Hugh M., Freeport, N. Y. Circumferentially traveling type tire mounting and demounting apparatus. 2,661,793, Dec. 8.

Rockwell Manufacturing Company, assignee: *See*—
Batchelder, George E.
Carlon, Paul R.
Eschenburg, William A.
Eschenburg, William A., Pettigrew, and Johnson.
Johnson, Charles B.
Marsh, Walter H.
Marsh, Walter H., and Smith.
Niesemann, Fritz.
Scherer, George F.
Smith, William I.
Weakland, Walter L.

Rockwell, Philip S.: *See*—
Howard, John G., and Rockwell.

Rockwell, Philip S., and J. G. Howard, assignors to The Pyle National Company, Chicago, Ill. Delayed action structure for an explosion-proof plug and socket. 2,626,975, Jan. 27.

Rockwell Register Corporation, assignee: *See*—
McGay, John, and Nicholson.
Wheelbarger, Albert S.

Rockwell, Ronald J., Cincinnati, Ohio. Phonograph. 2,624,584, Jan. 6.

Rockwell, Ronald J., assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio. Amplifier control system. 2,646,472, July 21.

Rockwell, Ronald J., assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio. Push-pull wide band amplifier. 2,648,727, Aug. 11.

Rockwell Tools, Inc., assignee: *See*—
Hull, Henry E.

Rockwood, Albert E.: *See*—
Rixford, Henry K., Rockwood, and Maki.

Rockwood, Arthur G., Nutley, assignor to Worthington Corporation, Harrison, N. J. Hydraulic log debarker. 2,643,691, June 30.

Rocky Mountain Arms Equipment Co. Inc., assignee: *See*—
Merritt, Donald R.

Rocky Mountain Drilling Company, assignee: *See*—
Whipple, Louis A., Jr.

Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Etablissements Ed. Jaeger, Levallois-Perret, Seine, France. Clock. 2,643,506, June 30.

Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Etablissements Ed. Jaeger, Seine, France. Magnetically-acting speedometer. 2,648,019, Aug. 4.

Rodda, Clinton, Los Angeles, Calif. Submerged filter for aquariums. 2,653,908, Sept. 29.

Rodda, Lee, Elmhurst, and H. M. Ward, Aurora, Ill., assignors to Masonite Corporation, Laurel, Miss. Building frame. 2,652,599, Sept. 22.

Rodden, John A., Pontiac, Mich. Thermoelectric switch. 2,643,312, June 23.

Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Flying hot saw. 2,645,001, July 14.

Roddey, Otha C.: *See*—
Cardwell, Milton M., Roddey, and Tyson.

Roddy, Thomas C., Jr., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Hydrocarbon oil containing a mercaptobenzimidazole. 2,642,396, June 16.

Rode, John E., Hillsboro, N. Dak. Cotton chopping machine. 2,663,237, Dec. 22.

Rodeback, Charles H., San Pedro, Calif. Automatic brake and accelerator coordinating device. 2,662,622, Dec. 15.

Rodebaugh, Everett G., assignee: *See*—
Saylor, Charles P.

Rodenhuis, Klaas: *See*—
Diemer, Gesinus, and Rodenhuis.

Rodenhuis, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device of the kind comprising an electronic tube having a ribbon-shaped beam which is deflected and held in different positions. 2,642,547, June 16.

Röder, Karl A., Port Rottendorf, near Wurzburg, Germany. Pressure fluid turbine. 2,650,794, Sept. 1.

Rodesci, Nicholas S., Los Angeles, Calif. Dental floss implement. 2,650,598, Sept. 1.

Rodger, William R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Nonsquealing bonded brake shoe. 2,628,693, Feb. 17.

Rodger, William R., and J. D. Cannon, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Hand brake. 2,633,938, Apr. 7.

Rodgers, Dorothy F., New York, N. Y., assignor, by mesne assignments, to Personal Products Corporation, North Brunswick Township, N. J. Cleaning swab for toilet bowls and the like. 2,648,085, Aug. 11.

Rodgers, George H., Jr., Inglewood, Calif., assignor to North American Aviation, Inc. Transfer resistor and making. 2,661,448, Dec. 1.

Rodgers, Henry W., Grinnell, Iowa. Tape dispenser. 2,663,510, Dec. 22.

Rodgers, Mansel B., Memphis, Tenn. Adjustable lever actuated tire bead breaking tool. 2,656,882, Oct. 27.

Rodgers, Nelson E.: *See*—
Francis, Leo H., and Rodgers.

Rodgers, Ralph, White Plains, N. Y. Brief bag. 2,630,851, Mar. 10.

Rodman Chemical Company, assignee: *See*—
Rodman, Hugh, Jr.

Rodman, Ernest A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Curing chlorosulfonated hydrocarbon polymers. 2,630,425, Mar. 3.

Rodman, Hugh, Jr., Pittsburgh, assignor to Rodman Chemical Company, Verona, Pa. Producing activated carbon. 2,648,637, Aug. 11.

Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Center catch clasp. 2,633,619, Apr. 7.

Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Adjustable width strap end. 2,653,369, Sept. 29.

Rodriguez, Luis M. I., Marianao, Havana, Cuba. Sugar crystallizer. 2,650,175, Aug. 25.

Rodwell, Edwin L., Omaha, Nebr. Filter. 2,630,227, Mar. 3.

Roe, A. V., Canada Limited, assignee: *See*—
Boyd, Winnett, and Purvis.
Chamberlin, James A.
Comery, Peter D.
Comery, Peter D., and Purvis.
Keast, Francis H.
Keast, Francis H., and Williams.
Kelk, George F.
Luttman, Horace C.
McDonald, William M.
Meschino, Ronald G.
Moore, John D., and Wood.
Secord, Lloyd C.
Shaw, George E.
Skinner, Roland W., and Frampton.
Williams, Frederick D. M.

Roe, Arnold: *See*—
Grögl, Max F., and Roe.

Roe, Carl W. and S. T., Houston, Tex. Alarm system. 2,640,975, June 2.

Roe, Ernest, assignee: *See*—
Schulze, Kurt E.

Roe, Ernest, San Francisco, Calif. Flat wire tying machine. 2,654,403, Oct. 6.

Roe, Herbert J.: *See*—
Wood, David H., and Roe.

Roe, John H., Collingswood, N. J., assignor to Radio Corporation of America. Automatic phase control circuit. 2,628,279, Feb. 10.

Roe, John H., Collingswood, N. J., assignor to Radio Corporation of America. Focusing mechanism. 2,635,514, Apr. 21.

Roe, Justus G., assignor to Justus Roe & Sons, Inc., Patchogue, N. Y. Steel measuring tape with handle with anchor hook. 2,629,935, Mar. 3.

Roe, Justus, & Sons, Inc., assignee: *See*—
Roe, Justus G.

Roe, Sidney T.: *See*—
Roe, Carl W., and S. T.

Roe, William C., assignor to The Colson Corporation, Elyria, Ohio. Mop wringer. 2,651,073, Sept. 8.

Roeber, Henry W., Emporium, Pa., assignor to Sylvania Electric Products Inc. Cup orienting device. 2,639,034, May 19.

Roebling's, John A., Sons Company, assignee: *See*—
Acock, George W., Suppers, and Voorhees.
Corson, John H., Suverkrop, and Lewis.

Roebuck, David S. P., Wrexham, Wales, assignor, by mesne assignments, to Monsanto Chemicals Limited, London, England. Oxidation of hydrocarbons. 2,644,840, July 7.

Roeck, Eugene C.: *See*—
Less, Frank W., Roeck, and Searer.

Roedel, George F.: *See*—
Boldebuck, Edith M., Elliott, and Roedel.

Roeder, Albert I., Celina, Ohio. Safety car seat. 2,642,923, June 23.

Roeder, Andrew J., Everett, Wash. Auxiliary feed and guide means for power machines. 2,633,221, Mar. 31.

Roeder, Dale, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Power lift mechanism for tractors. 2,631,514, Mar. 17.

Roediger, Joseph C., Brooklyn, N. Y., assignor to Standard Oil Development Company. Asphalt pavement. 2,638,823, May 19.

Roediger, Joseph C., Staten Island, N. Y., assignor to Standard Oil Development Company. Bituminous saturant. 2,658,857, Nov. 10.

Roehm, Charles W.: *See*—
Hulseberg, Paul J., and Roehm.

Roehm, Erwin G., Norwood, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Machine tool control mechanism. 2,641,969, June 16.

Roehm, Erwin G., Norwood, and H. Fritschi, Amberley Village, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine control mechanism. 2,633,061, Mar. 31.

Roehm, William A., Rockville Centre, assignor to Royal Lace Paper Works, Inc., Brooklyn, N. Y. Doily package. 2,663,415, Dec. 22.

Roehrich, Emma D., assignee: *See*—
Roehrich, Victor H.

Roehrich, Victor H., assignor of one-half to E. D. Roehrich, St. Paul, Minn. Nasal applicator. 2,625,159, Jan. 13.

Roehrig, Frederick L. O., Yucaipa, Calif. Swing lens camera. 2,655,084, Oct. 13.

Roemer, James A., Warren, B. H. McKibben, Niles, and J. R. Corry, Mineral Ridge, assignors, by mesne assignments, to Mallory-Sharon Titanium Corporation, Niles, Ohio. Rolling titanium sheets. 2,651,099, Sept. 8.

Roemer, John J.: *See*—
Kaiser, Donald W., and Roemer.

Roemer, John J., North Stamford, and D. W. Kaiser, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Reaction product of sodium dicyanamide and hydroxylamine hydrochloride. 2,648,669, Aug. 11.

Roemer, John J., Stamford, and D. W. Kaiser, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of guanazole. 2,648,671, Aug. 11.

Roemer, John J., Stamford, and D. W. Kaiser, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Triazine derivative. 2,650,220, Aug. 25.

Roemer, John J., Stamford, and D. W. Kaiser, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of halodiaminotriazines. 2,658,893, Nov. 10.

Roemer, Louise E., assignee: *See*—
Tomkins, John E.

Roemer, Ralph R., assignee: *See*—
Tomkins, John E.

Roen, Ralph M.: *See*—
Dobrogowski, Daniel T., Roen, and Jones.

Roensch, Burns, Houston, Tex., and P. Brown, New York, N. Y., assignors, by mesne assignments, to Daystrom, Incorporated. Making building panels. 2,655,710, Oct. 20.

Roepke, Edward C., Elmore, Ohio. Beet harvester. 2,651,901, Sept. 15.

Roesch, Georges H., assignor to Power Jets (Research and Development) Limited, London, England. Locomotive rail vehicle. 2,638,057, May 12.

Roesch, George R., assignor to The Rush Stamping Company, Toledo, Ohio. Brake lever. 2,644,342, July 7.

Roesch, George R., assignor to The Rush Stamping Company, Toledo, Ohio. Brake lever mechanism. 2,644,343, July 7.

Roessl, Carl A., and R. P. Fendius, assignors to C. L. Moyer Company, Chicago, Ill. Book feed mechanism for trimming machines. 2,648,445, Aug. 11.

Roessler, Charles E., Jr.: *See*—
Macgeorge, William D., and Roessler.

Roessler, Charles E., Jr., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Motion transmitter. 2,656,520, Oct. 20.

Roetger, Richard C., New City, N. Y., assignor, by mesne assignments, to Filmsort, Inc. Card structure. 2,633,654, Apr. 7.

Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,629,618, Feb. 24.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Latch bolt keeper. 2,629,620, Feb. 24.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Latch bolt keeper. 2,629,621, Feb. 24.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Latch bolt keeper. 2,629,622, Feb. 24.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,637,580, May 5.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door latch. 2,637,581, May 5.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,637,582, May 5.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,637,583, May 5.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock. 2,646,300, July 21.

Roetter, Robert P., Gary, Ind., assignor to Honeywell Regulator Company, Minneap
Pneumatic motor for unit ventilators. Oct. 13.

Rogant, Humbert R., Willoughby, Ohio. 2,644,993, July 14.

Rogatchoff, Theodore, Baltimore, Md. Tra
dolly. 2,644,406, July 7.

Roger, Albert J., San Leandro, Calif. 2,664,210, Dec. 29.

Roger, Alex. A., Beverly Hills, Calif., assignor
Loomis Manufacturing Company, Rockfor
oil box with built-in sharpener. 2,657,669

Rogers, Arthur G.: *See*—
Nunn, Thomas J., Leach, and Rogers.

Rogers, Arthur O., Lewiston, N. Y., assignor
Pont de Nemours and Company, Wilmingto
solution of lysine. 2,657,230, Oct. 27.

Rogers, Clifford R., H. H. Kolzing, and J.
Shelbyville, Ill., assignors to The Oliver
Hydraulic pickup baler. 2,644,283, July 7.

Rogers, Delmar R., Minneapolis, Minn. Rer
assembly. 2,624,923, Jan. 13.

Rogers, Dilworth T.: *See*—
Munday, John C., and Rogers.

Rogers, Edmund, South Euclid, assignor to Th
poration, Cleveland, Ohio. Aerosol paint
vice. 2,628,864, Feb. 17.

Rogers, Edward F.: *See*—
Rasmussen, Ida M., and Rogers.

Rogers, Edward F., Middletown, and H. D. I
field, assignors to Merck & Co., Inc., Ra
Halogenation products of 1,1-diphenyl-2,2-
pane. 2,641,617, June 9.

Rogers, Edward F., Middletown, and H. D. I
field, assignors to Merck & Co., Inc., Ra
Hydrogenation of 1,1-diphenyl-2,2-dimethy
2,641,618, June 9.

Rogers, Edward F., Middletown, and J. P. Co
field, assignors to Merck & Co., Inc., Ra
Cortisone esters and process. 2,653,955.

Rogers, Francis H.: *See*—
Garland, Charles S., and Rogers.

Rogers, Frank A.: *See*—
Berzof, Harold, and Rogers.

Rogers, Frank L., assignee: *See*—
Marshall, James M.

Rogers, Frederick: *See*—
Pond, Kenneth H., and Rogers.

Rogers, Gordon: *See*—
Stoner, Harry B., Parre, and Rogers.

Rogers, Gordon F., New Hyde Park, N. Y.
Radio Corporation of America. Centerin
cathode-ray tubes. 2,637,832, May 5.

Rogers, Howard G., Weston, and W. J. McG
signors to Polaroid Corporation, Camb
Photographic product containing a stri
2,659,673, Nov. 17.

Rogers Imports Inc., assignee: *See*—
Babbitt, John F.

Rogers, Jack A., Freeland, assignor to The I
Company, Midland, Mich. Treatment of
material. 2,635,036, Apr. 14.

Rogers, James C., assignor of fifty per c
Weigand, Lakeland, Fla. Convertible sofa
2,634,430, Apr. 14.

Rogers, Job R., Cambridge, Mass., assigne
assignments, to the United States of Ame
sented by the Secretary of the Navy. Ra
2,627,057, Jan. 27.

Rogers, John E., Port Neches, Tex., assi
Lummus Company, New York, N. Y. W
apparatus for drum filters. 2,636,611, A

Rogers, John P., Liverpool, assignor to Easy
chine Corporation, Syracuse, N. Y.
2,638,791, May 19.

Rogers, John P., Liverpool, assignor to I
Machine Corporation, Syracuse, N. Y.
pliance control panel construction. 2,660

Rogers, Leonard M., Mendon, assignor to
poration, Hopedale, Mass. Harness can
means for looms. 2,637,348, May 5.

Rogers, Lester R., Butte, Mont. Footres
Oct. 6.

Rogers, Linwood N.: *See*—
Atkinson, James D., Jr., and Rogers.

Rogers, Raymond A.: *See*—
Fischer, Paul W., and Rogers.

Rogers, Richard B., Orlando, Fla. Mounti
type garage doors. 2,628,385, Feb. 17.

Rogers, Robert W., Barrington, R. I., assi
Testers, Inc. Pivoted test clamp. 2,634

Rogers, Thelmer A., assignee: *See*—
Roan, Floyd D.

Rogers, Thomas H., Jr., and H. H. Heinema
Wingfoot Corporation, Akron, Ohio.
sponge. 2,635,971, Apr. 21.

Rogers, Walstine C., assignor to The Durc
Ohio. Timed valve. 2,636,560, Apr. 28.

Rogers, Wayne C., assignor to Riley Stoke
Worcester, Mass. Hammer and wear-plat
attrition pulverizers. 2,639,863, May 26.

Rogers, Wayne C., assignor to Riley Stoker Corporation, Worcester, Mass. Rotor comprising pivoted hammer provided with armored outer portion and plate-shielded inner portion. 2,647,695, Aug. 4.

Rogers, Wayne C., and M. W. Higgins, assignors to Riley Stoker Corporation, Worcester, Mass. Rejector blade for rotary pulverizers. 2,625,332, Jan. 13.

Rogers, Wayne C., and L. A. Bolton, Jr., assignors to Riley Stoker Corporation, Worcester, Mass. Stationary peg or pulverizer for rotary beater mills. 2,628,038, Feb. 10.

Rogers, William J.: *See*—
Wiitala, Edwin S., and Rogers.

Rogerson, Walter A.: *See*—
Bate, Stanley C., Peach, and Rogerson.

Roggenstein, Edwin O., Norwalk, Conn., assignor to Remington Rand Inc., New York, N. Y. Motor-driven carriage return mechanism for business machines and the like. 2,642,976, June 23.

Rognsvoog, Albert J., Sr., assignor to North Bay Leather Goods, Racine, Wis. Luggage handle and method of manufacturing the same. 2,628,695, Feb. 17.

Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Oil-filled cable connector seal. 2,635,132, Apr. 14.

Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Co. Inc. Compressing tool with reversible jaws. 2,635,494, Apr. 21.

Roh, Elmer C.: *See*—
Wilsher, Everett A., and Roh.

Rohde, Per J., Oslo, Norway. Tailor's worktable top. 2,640,750, June 2.

Rohden Manufacturing Co., assignee: *See*—
Hobson, Ervin J., and Lind.

Rohden, Rudolf H., Bad Lippspringe, Germany, assignor of one-half to E. Winkelmann, Ossining, N. Y. Vibratory electrical motor. 2,656,474, Oct. 20.

Rohdin, Howard A., Glen Ridge, N. J. Apparatus for packaging in a controlled atmosphere. 2,633,684, Apr. 7.

Rohdin, Howard A., Glen Ridge, N. J. Heat sealer. 2,663,353, Dec. 22.

Roher, Earl E., Hutchinson, Kans. Combination box spring and mattress. 2,661,486, Dec. 8.

Rohland, Werner: *See*—
Schlichting, Otto, Jutz, and Rohland.

Rohlfs, Otto D.: *See*—
Finlay, Donald W., and Rohlfs.

Rohm, Frederic G.: *See*—
Wiegman, Clarence H., King, Rickenbach, and Rohm.

Rohm & Haas Company, assignee: *See*—
Bauer, La Verne N., Neher, and Van Horne.
Bliss, Robert H.
Bortnick, Newman M.
Burton, Charles D.
Cook, Richard S., and Craig.
Croxall, Willard J., and Lo.
De Benneville, Peter L.
De Benneville, Peter L., Leake, and Bock.
De Benneville, Peter L., and Meunier.
Freimiller, Louis R., and McKeever.
Hester, William F.
Hurwitz, Melvin D., and Auten.
Hwa, Jesse C. H.
Luskin, Leo S.
McBurney, Charles H.
Melamed, Sidney, and Croxall.
Neher, Harry T., and Bauer.
Niederhauser, Warren D.
Raterink, Harry R.
Schmidle, Claude J.
Schmidle, Claude J., and Mansfield.
Strong, James S., Craig, and Elkind.
Thurmon, Francis M.
Urban, Richard S.
Winters, James C., and Kunin.
Woodman, John F.

Rohm, Leon M., Miami, Fla. Lifting trailer. 2,650,730, Sept. 1.

Rohmann, Henry F., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat exchanger. 2,634,108, Apr. 7.

Rohmer, Frank D., San Francisco, Calif. Fruit and vegetable reaming and juicing device. 2,628,647, Feb. 17.

Rohr Aircraft Corporation, assignee: *See*—
Greathouse, Ira L.
Gross, Bernard.
Tierney, Samuel, Jr.
Valen, Michael A.
Weidel, Joseph C.

Rohr, Elwood A., Montezuma, Ind. Vine cutter. 2,646,739, July 28.

Rohrback, Gilson H., Whittier, and D. M. McCloud, Buena Park, assignors to California Research Corporation, San Francisco, Calif. Inhibiting corrosion. 2,635,698, Apr. 21.

Rohrback, Gilson H., Whittier, D. M. McCloud, Buena Park, and W. R. Scott, Alhambra, assignors to California Research Corporation, San Francisco, Calif. Corrosion inhibitor. 2,635,996, Apr. 21.

Rohrback, Gilson H., Whittier, D. M. McCloud, Buena Park, and W. R. Scott, Alhambra, assignors to California Research Corporation, San Francisco, Calif. Corrosion inhibitor. 2,635,997, Apr. 21.

Rohrback, Gilson H., Whittier, D. M. McCloud, Buena Park, and W. R. Scott, Alhambra, assignors to California Research Corporation, San Francisco, Calif. Corrosion inhibiting composition. 2,635,998, Apr. 21.

Rohrback, Gilson H., Whittier, D. M. McCloud, Buena Park, and W. R. Scott, Jr., Alhambra, assignors to California Research Corporation, San Francisco, Calif. Corrosion inhibiting composition containing arsenous oxide and potassium hydroxide. 2,635,999, Apr. 21.

Rohrback, Gilson H., Whittier, D. M. McCloud, Buena Park, and W. R. Scott, Jr., Alhambra, assignors to California Research Corporation, San Francisco, Calif. Corrosion inhibitor containing arsenous oxide and potassium hydroxide. 2,636,000, Apr. 21.

Rohrer, Waymond C., Norfolk, Nebr. Scalp massaging exhilarating and dandruff removing device. 2,655,147, Oct. 13.

Rohrlick, Joan E.: *See*—
Rohrlick, M. K. and J. E.

Rohrlick, Michael K. and J. E., Montreal, Quebec, Canada. Apparatus for automatically feeding and stitching slide fastener stringers to garment fly pieces. 2,665,884, Oct. 20.

Rohrman, Frederick A., Boulder, Colo. Removal of nitrogen from mixtures of combustible gases. 2,660,514, Nov. 24.

Rohrscheib, George F., Pewaukee, Wis., and H. L. Reynolds, assignors to Verson Allsteel Press Company, Chicago, Ill. Hydraulic press control system having hydraulically operated main valve. 2,644,303, July 7.

Rohs, Joseph F., Riverside, Conn., assignor, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Framing device. 2,638,131, May 12.

Roland, Frank E., Midway, assignor of one-half to W. E. Williams, Auburn, Wash. Posthole forming machine. 2,660,403, Nov. 24.

Rolaston, Norman, assignor to British Industrial Plastics Limited, London, England. Manufacture of wax models for precision casting. 2,635,294, Apr. 21.

Rolfson, Stanley T.: *See*—
Weisblat, David I., Hanze, Magerlein, Myers and Rolfson.
Weisblat, David I., Magerlein, Myers, Rolfson, and Hanze.
Weisblat, David I., Magerlein, and Rolfson.

Rolliton of America, assignee: *See*—
Huntington, Glen H.

Roller Bearing Company of America, assignee: *See*—
Barr, Victor L.

Roller Riddle Corp., assignee: *See*—
Wilson, Le Roy S.

Roller-Smith Corporation, assignee: *See*—
Miller, Archie R.

Rollie, Ada E.: *See*—
Rollie, Robert D. and A. E.

Rollie, Robert D. and A. E., St. Paul, Minn. Convertible shopping and travel cart. 2,632,653, Mar. 24.

Rollin, Bernard V., Oxford, England, assignor to English Electric Valve Company, Limited. Magnetron. 2,655,616, Oct. 13.

Rollings, Robert C., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Shell loading device. 2,640,386, June 2.

Rollins, Derrial O., Hackberry, assignor of three-eighths to C. V. Radke, and one-eighth to Getty Manufacturing & Tool Company, Jennings, La. Oil well finishing tool. 2,636,563, Apr. 28.

Rollins, Hazelle H., Kansas City, Mo. Marionette construction. 2,657,499, Nov. 3.

Rollins, Jennings F., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Catalytic reactor. 2,657,121, Oct. 27.

Rollins, Leonard E., Denver, Colo. Hot water heating system. 2,626,107, Jan. 20.

Rollins, Lester G., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Chain guide for disintegrating apparatus. 2,655,362, Oct. 13.

Rollins, Lester G., Meriden, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Cutter chain. 2,661,940, Dec. 8.

Rollins, Lester G., Meriden, N. H., and A. L. Barrett, Franklin, assignors to Joy Manufacturing Company, Pittsburgh, Pa. Disintegrating and gathering chain structure. 2,650,813, Sept. 1.

Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Catalytic method and apparatus. 2,633,477, Mar. 31.

Rolinick & Gordon Limited, assignee: *See*—
Hill, Edgar A. G., and Lovatt.

Roll-Rite Corporation, assignee: *See*—
Christensen, Carl O.

Rolls-Royce Limited, assignee: *See*—
Andrews, Walter A.
Ballantyne, David H.
Ballantyne, David H., and Jubb.
Corbitt, Robert W., and Dale.
Davies, David O.
Davies, Kenneth R., and Herbstritt.
Greatrex, Ferdinand B., and Murray.
Griffith, Alan.
Griffith, Alan A.
Haworth, Lionel.
Haworth, Lionel, and Petrie.

Rolls-Royce Limited, assignee: *See*—Continued.
Hooker, Stanley G.
Hooker, Stanley G., and Pearson.
Jamison, Robin R., and Reynolds.
Johnson, Christopher L.
Jubb, Albert.
Kent, Nelson H.
Lombard, Adrian A.
Lombard, Adrian A., and Mattinson.
Lombard, Adrian A., Morley, Davis, and Wilkinson.
McCarthy, Denis, and Smith.
Morley, Frederick W. W., and Wilkinson.
Oulianoff, George, and Davis.
Page, Frederick W., and Hooker.
Petrie, James A.
Reynolds, Douglas, Greenhough, and Jamison.
Rubbra, Arthur A., and Haworth.
Viale, Spirito M.
Wilde, Geoffrey L.

Roloson, William G., and W. J. Spengler, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,648,791, Aug. 11.

Rolph, Donald L.: *See*—
Hopkins, George W., and Rolph.

Rolph, Thomas W., and K. Franck, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Light controlling refractor and luminaire using the same. 2,648,763, Aug. 11.

Romain, Fred, Chester, Mont. Motor vehicle parking elevator. 2,663,446, Dec. 22.

Romani, Lucien, Paris, France. Windmill and heat pump set. 2,652,699, Sept. 22.

Romani, Lucien, Paris, France. Torque governor for engine making use of a power supply that is subject to great variation. 2,653,250, Sept. 22.

Romaniuk, Mirko, Cleveland, Ohio. Mechanism for turning the pages of a book. 2,656,629, Oct. 27.

Romano, Aniello A.: *See*—
Nielsen, Axel T., and Romano.

Romano, Anthony, assignor to The Blinking Doll Enterprises, Incorporated, New Haven, Conn. Animated motor actuated walking doll. 2,644,273, July 7.

Romano, Francesco, New York, N. Y. Micrometer gauge. 2,663,087, Dec. 22.

Romano, Louis, Bronx, N. Y. Window cleaning apparatus. 2,643,412, June 30.

Romano, Pasquale A.: *See*—
Corso, Philip J., and Romano.

Romans, Isabella B., Lafayette Hill, Pa. Applying oligodynamic silver and articles produced thereby. 2,653,893, Sept. 29.

Romans, John F., North Royalton, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Cutting tool mounting and making. 2,626,532, Jan. 27.

Romans, John F., Cleveland Heights, and S. V. Pockar, assignors to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Continuous stock feeder. 2,633,625, Apr. 7.

Romberg, Joseph W., Port Neches, Tex., assignor to The Texas Company, New York, N. Y. Rust preventive compositions containing a wax-soap base. 2,627,474, Feb. 3.

Romberg, Joseph W., and R. N. Traxler, Port Neches, Tex., assignors to The Texas Company, New York, N. Y. Asphalt cutbacks. 2,661,300, Dec. 1.

Rome Cable Corporation, assignee: *See*—
Duffy, Edward K.

Rome Grader Corporation, assignee: *See*—
Lado, Anthony L.

Romero, Robert F., Cos Cob, Conn., assignor to Radio Corporation of America. High-frequency tuner. 2,646,500, July 21.

Romick, William L., Ferndale, assignor to Detroit Automotive Products Corporation, Detroit, Mich. Dual axle unit for motor vehicles. 2,663,571, Dec. 22.

Romine, Homer L., Arcadia, assignor to Pacific Cast Iron Pipe & Fitting Co., Southgate, Calif. Molding and casting apparatus. 2,631,342, Mar. 17.

Romine, Paul W., and A. Armstrong, St. Clair Shores, Mich., assignors of one-third to C. Leitschuh. Hydraulic step drilling unit. 2,631,480, Mar. 17.

Rommel, Frederick E.: *See*—
Brookes, Maurice M., and Rommel.

Rommel, Frederick E., West Dulwich, London, assignor to Telephone Manufacturing Company Limited, London, England. Electric contact making device. 2,630,500, Mar. 3.

Rommel, Richard H., Wilmington, Del., assignor to Sun Oil Company, Philadelphia, Pa. Continuous adsorption process. 2,646,451, July 21.

Rona, Emil, Ingolstadt, Germany. Self-regulating alternating current generator with self-excited exciter. 2,659,045, Nov. 10.

Ronay, Bela, Annapolis, Md. Electrode for underwater cutting. 2,640,136, May 26.

Rónay, Gezà S., Oakland, and J. R. Vinograd, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Polymerizing certain unsaturated compounds in an aqueous system. 2,663,701, Dec. 22.

Ronayne, Leo J., Borger, Tex., assignor to Phillips Petroleum Company. Bringing a newly charged catalytic reactor on stream. 2,626,288, Jan. 20.

Ronfeldt, Howard W., Toledo, Ohio. Thread protector. 2,632,478, Mar. 24.

Ronick, Murray, New York, N. Y. Slide projegraph combination. 2,631,495, Mar. 17.

Ronne, Finn, Chevy Chase, Md. Ski pole ring. June 30.

Ronning, Adolph, Minneapolis, Minn. Steera front wheel mechanism. 2,650,100, Aug. 25.

Ronning, Henry O.: *See*—
Sandberg, Nels H., and Ronning.

Ronning, Jacob A., Minneapolis, Minn. gathering, comminuting, and redistributing 2,631,418, Mar. 17.

Ronning, Jacob A., Minneapolis, Minn. gathering, comminuting, and redistributing 2,661,584, Dec. 8.

Ronning, Martin: *See*—
Korsmo, Alfred, and Ronning.

Rönning, Reidar, Oslo, Norway. Drier for 2,632,084, Mar. 17.

Ronneco Export Development Company Limited *See*—
Simon, Hans L.

Ronor Corporation, The, assignee: *See*—
Lowings, Ernest F.
North, Harold D., Jr.
Rogers, Edmund.

Ronson Art Metal Works, Inc., assignee: *See*—
Aronson, Alexander H.
Burchett, Ray L.
Nissen, Warren I.

Ronzone, David B., Wilmington, Del. Interlock 2,664,056, Dec. 29.

Rood, Alvin A., assignor to The Weatherhead Cleveland, Ohio. Manually adjustable spee perature regulating apparatus for combusti 2,632,996, Mar. 31.

Rood, Clarence J., Fergus Falls, Minn. 2,633,244, Mar. 31.

Roodner, Sylvia, New York, N. Y. Slip. Jan. 13.

Roodner, Sylvia, Bronx, N. Y. Slip. 2,637,0

Roof, Jay L., Hamburg, N. Y. Furnace valv tion. 2,655,363, Oct. 13.

Roofe, Paul G., and F. E. Hoecker, Lawre Apparatus for cutting thin sections. 2,647,

Rook, Louis W., Catarina, Tex. Poul 2,650,566, Sept. 1.

Rook, William A., York Mills, Ontario, Canad to The H. W. Gossard Co., Chicago, Ill. garment. 2,629,098, Feb. 24.

Rooke, Harry V., Fort Worth, Tex. Grass trimmer. 2,653,381, Sept. 29.

Rookstool, Lester D., Glenrock, Wyo. Bearin moving and applying tool. 2,639,498, May

Rooms, Eduard A. M., administrator: *See*—
Bracke, Oscar J. J., and Lens.

Rooney, George F., Jr., Cincinnati, Ohio. Ra ing a stack of printed sheets. 2,633,357, M

Rooney, John T., West Palm Beach, Fla. Ver nator. 2,642,775, June 23.

Roop, Harold D., assignor to Automatic X-R tion, Los Angeles, Calif. Article grading 2,644,097, June 30.

Roop, Nathan W., assignor to Columbus Plast Inc., Columbus, Ohio. Hinge construction cles composed of molded parts. 2,646,187,

Roop, Nathan W., assignor to Columbus Plast Inc., Columbus, Ohio. Water-holding and receptacle. 2,652,283, Sept. 15.

Roop, William R., Keymar, Md. Milking 2,631,566, Mar. 17.

Roos, Charles J., Muskegon, Mich. Window c 2,645,826, July 21.

Roos, Charles J., Muskegon, Mich. Building c 2,645,928, July 21.

Roos, Delmar G., assignor, by mesne assi Willys Motors, Inc., Toledo, Ohio. Means ing bearings. 2,645,305, July 14.

Roos, Delmar G., and W. F. Benning, assignor Overland Motors, Inc., Toledo, Ohio. Po mechanism. 2,630,872, Mar. 10.

Roos, Raymond B., Morristown, N. J. Sampl device. 2,627,972, Feb. 10.

Roosa, Vernon D., Ardsley, N. Y. Fuel pump June 9.

Roosa, Vernon D., West Hartford, Conn. Au ing means for fuel pumps. 2,660,992, De

Roosevelt, Oliver W., New York, N. Y. Ro type torque converter for varying s 2,651,920, Sept. 15.

Root, Andrew A., Salem, Mass., assignor to Machinery Corporation, Flemington, N. J. resin dispersions. 2,638,633, May 19.

Root, Andrew A., Salem, Mass., assignor to Machinery Corporation, Flemington, N. soles and heels to uppers. 2,651,118, Sept.

Root, Carleton H.: *See*—
Skalmusky, Marvin F., Root, and McKee.

Root, Elihu, III, Springfield, Vt., assignor Mills, Boston, Mass. Bobbin stripping 2,634,489, Apr. 14.

Root, Howard S., Spokane, Wash. Lightin jack-o'-lanterns and other Halloween toys Mar. 10.

Root, John J., New York, N. Y. Television antenna system. 2,631,236, Mar. 10.
Root, John J., New York, N. Y. Directional antenna. 2,640,931, June 2.
Root, John J., New York, N. Y. High-frequency antenna. 2,644,888, July 7.
Rope, Barton W.: *See*—
Coonradt, Harry L., Rope, and Sachanen.
Roper, Geo. D., Corporation, assignee: *See*—
Abrams, Victor R.
Albright, John R.
Hobson, Stanley H., and Lane.
Hollman, Peter I.
McCammant, Leonard H.
Ring, Harold H.
Roper, John H., Baltimore, Md., assignor to Koppers Company, Inc., Pittsburgh, Pa. Apparatus for electrical precipitation. 2,625,238, Jan. 13.
Roper, John M., Washington, D. C., and T. O. Twist, Chevy Chase, Md. Lamp socket for instrument panel lighting. 2,637,802, May 5.
Roper, Walter F., Longmeadow, and F. J. Wright, Chicopee, Mass., assignors to Savage Arms Corporation, Utica, N. Y. Shot pattern control device for shotguns. 2,629,958, Mar. 3.
Roquet, Raymond J. C., Paris, France. Voltage controller. 2,641,739, June 9.
Rorig, Kurt, assignor to G. D. Searle & Co., Chicago, Ill. 6-thia-5,6,7,8-tetrahydro-4-quinazolinol derivatives substituted in the 2-position. 2,635,101, Apr. 14.
Rorig, Kurt, assignor to G. D. Searle & Co., Chicago, Ill. 4-(cyclopentanopolyhydrophenanthr-17-yl) imidazoles and derivatives thereof. 2,664,423, Dec. 29.
Rosaen, Oscar E., Detroit, Mich., assignor to The New York Air Brake Company, New York, N. Y. Vane type hydraulic motor. 2,636,481, Apr. 28.
Rosaen, Oscar E., Detroit, Mich., assignor to The New York Air Brake Company, New York, N. Y. Fluid pump. 2,653,551, Sept. 29.
Rosbro Plastics Corporation, assignee: *See*—
Brown, Bertram M.
Rösch, Siegfried, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Instrument for producing colors by means of polarization. 2,651,971, Sept. 15.
Roschke, Erwin M.: *See*—
Gray, Richard O., and Roschke.
Herrick, Roswell H., and Roschke.
Roschke, Erwin M., Broadview, Ill., assignor to Zenith Radio Corporation. Subscription type television system. 2,664,460, Dec. 29.
Roschke, Erwin M., and R. O. Gray, Broadview, Ill., assignors to Zenith Radio Corporation. Air key subscriber television system. 2,656,405, Oct. 20.
Roschke, Erwin M., Broadview, and W. S. Druz, Chicago, Ill., assignors to Zenith Radio Corporation. Video-from-sync and sync-from-sync separator. 2,656,414, Oct. 20.
Roscoe, Merrill W., assignor to Deere & Company, Moline, Ill. Cotton stripper. 2,662,360, Dec. 15.
Roscoe, Merrill W., Moline, Ill., and R. L. Beldin, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Hopper and extension conveyer mechanism for small grain elevators. 2,640,577, June 2.
Rosdahl, Karl-Gustaf, assignor to Aktiebolaget Ferrosan, Malmo, Sweden. Producing N-substituted derivatives of 4-amino-2-hydroxybenzoic acid. 2,639,294, May 19.
Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Television pickup tube. 2,637,002, Apr. 28.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Feeding of labels, sheets, and the like from a stack. 2,645,373, July 14.
Rose, Alfred G., and F. H. Pearson, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping machinery. 2,627,154, Feb. 3.
Rose, Alfred G., J. A. Kay, and J. Page, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Rotating trap portioning device for granular materials. 2,657,832, Nov. 3.
Rose, Alfred G., Gainsborough, and K. H. Nicholls, Bromley, England. Racing game apparatus. 2,661,214, Dec. 1.
Rose, Bennie A.: *See*—
Criner, Harry E., and Rose.
Rose, Bennie A., Forest Hills, and B. M. Osojnak, assignors to Heyl & Patterson, Inc., Pittsburgh, Pa. Apparatus for loading bulk material into a ship's hold. 2,651,423, Sept. 8.
Rose Brothers (Gainsborough) Limited, assignee: *See*—
Kay, James A.
Rose, Alfred G.
Rose, Alfred G., Kay, and Page.
Rose, Alfred G., and Pearson.
Rose, Charles F. P., Asbury Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable impedance transformer. 2,627,550, Feb. 3.
Rose, Clarence W., Denver, Colo. Safety belt with drawable safety band. 2,651,446, Sept. 8.
Rose, E. A., Inc., assignee: *See*—
Rose, Ernest A.
Rose, Ernest A., assignor to E. A. Rose, Inc., New Orleans, La. Heat exchanger. 2,624,552, Jan. 6.
Rose, Francis L., and G. Swain, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Polymeric diguanides. 2,643,232, June 23.
Rose, Frank W. G.: *See*—
Spenke, Eberhard H. G., Rose, and Waldkötter.
Rose, Frederick A.: *See*—
Skipper, Edward M., and Rose.
Rose, Harold J.: *See*—
Mason, Ralph B., and Rose.
Rose, Harry J., assignor to Make-All Tool & Die Co., West Allis, Wis. Arrow releasing device. 2,637,311, May 5.
Rose, Henry, Gloversville, N. Y. Finishing fish skins. 2,633,730, Apr. 7.
Rose, Hilton W., Arlington, Va. Apparatus and method of administering parenteral solutions. 2,663,298, Dec. 22.
Rose, Howard E., Peninsula, Ohio, F. M. MacDougall, Kirkwood, and R. W. Schoen, Ferguson, assignors to Alco Valve Company, University City, Mo. Deep well pump. 2,629,329, Feb. 24.
Rose, Howard E., Peninsula, E. R. Motch, Jr., and D. S. Baus, assignors to The Motch & Merryweather Machinery Co., Cleveland, Ohio. Transfer machine. 2,639,491, May 26.
Rose, Howard E., Peninsula, and M. B. Sampson, Lakewood, assignors to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Transfer machine. 2,639,493, May 26.
Rose, Irvin B., Dayton, Ohio, assignor, by mesne assignments, to Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Brushing mechanism. 2,629,343, Feb. 24.
Rose, Jess C., North Hollywood, assignor to J. G. McAlister, Inc., Hollywood, Calif. Hanger. 2,664,259, Dec. 29.
Rose, Joseph K., Chicago, Ill. Television receiver cabinet light shield. 2,627,067, Jan. 27.
Rose, Joseph R., Denver, Colo. Ice pick sheath. 2,626,092, Jan. 20.
Rose, Lawrence S., assignor to Lift-A-Line, Inc., Lorain, Ohio. Adjustable clothesline support. 2,661,179, Dec. 1.
Rose, Leslie: *See*—
Bolton, Henry C., and Rose.
Givens, John H., Rose, and Whyte.
Rose, Leslie, Whitefield, near Manchester, and E. J. Whyte, Coventry, assignors to Courtaulds Limited, London, England. Rayon spinning machine. 2,633,694, Apr. 7.
Rose, Louis C., Petaluma, Calif. Telescopic mast. 2,662,712, Dec. 15.
Rose, Mary W., assignee: *See*—
Grosvenor, William M., Jr.
Rose, Morris, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Terminal pin block. 2,643,365, June 23.
Rose, Samuel, Bayonne, N. J. Doll eye. 2,627,701, Feb. 10.
Rose, Wilbur H.: *See*—
Winckler, Gunnar A. F., Rose, and Reinhardt.
Rosebrook, Homer E., assignor to Gibson Refrigerator Company, Greenville, Mich. Door opener and closer. 2,634,970, Apr. 14.
Rosedale Knitting Company, assignee: *See*—
Naumann, Kurt F.
Zesch, Eugene M.
Rose Kist Foods, Inc., assignee: *See*—
Martin, Joseph T.
Roselius, Louis W., Lake Success, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Slitting, scoring, and folding machine. 2,664,035, Dec. 29.
Roselund, Harold A., assignor to C. W. Harwin Inc., Dayton, Ohio. Fluid stream and spray gun having a clean out pin. 2,626,185, Jan. 20.
Rosen, Bernard A., Baltimore, Md. Retractable lipstick holder. 2,626,048, Jan. 20.
Rosen, Emanuel, assignee: *See*—
Morrell, Leon A.
Rosen, Emanuel P., Newark, and E. H. Erickson, Teaneck, N. J. Artificial eye and controlling apparatus. 2,661,480, Dec. 8.
Rosen, Leonard J., East Orange, L. Kruth, Newark, and B. B. White, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Lower aliphatic acid esters of cellulose. 2,628,232, Feb. 10.
Rosen, Louis, Daytona Beach, Fla. Fishing plug. 2,663,965, Dec. 29.
Rosen, Maurice R., Burbank, Calif. Contact device for electric circuits. 2,634,341, Apr. 7.
Rosen, Max, assignee: *See*—
Agron, Jack.
Rosen, Raymond, Engineering Products Inc., assignee: *See*—
Baechler, Charles W., Jr., and Reynolds.
Rosenak, Stephan S., and A. Saltzman, New York, N. Y. Continuous extracorporeal dialyzer. 2,650,709, Sept. 1.
Rosenbaum, Charles, executor: *See*—
Gluckin, Harry.
Rosenbaum, Harry S., assignor to The Eastern Venetian Blind Company, Baltimore, Md. Drapery traverse rod. 2,633,911, Apr. 7.
Rosenbaum, Jacob, Spring Valley, N. Y. Q. meter. 2,654,066, Sept. 29.
Rosenbaum, Joe B.: *See*—
Lloyd, Rex R., Rosenbaum, and Homme.

Rosenbaum, William B., assignor to Overhead Door Corporation, Hartford City, Ind. Sign or display device for upwardly acting doors. 2,645,039, July 14.
Rosenbeck, Soren, Bridgeport, Conn. Automatic razor honer. 2,649,666, Aug. 25.
Rosenberg, Albert, of Michael, Baltimore, Md. Railroad spike and retainer for the same. 2,629,557, Feb. 24.
Rosenberg, Bernard E., Fair Haven, N. J. Container. 2,631,608, Mar. 17.
Rosenberg, David S.: *See*—
Maude, Aylmer H., and Rosenberg.
Rosenberg, Edward: *See*—
Kantor, James, and Rosenberg.
Rosenberg, Lawrence: *See*—
Staschover, Leo, and Rosenberg.
Rosenberg, Leon T., Wauwatosa, and J. L. Kuehlthau, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamoelectric machine having a ventilation shield in the air gap. 2,663,808, Dec. 22.
Rosenberg, Milton: *See*—
Rajchman, Jan A., Mesner, and Rosenberg.
Rosenberg, Paul H., assignor to Reo Motors, Inc., Lansing, Mich. Sectional lawn mower handle. 2,645,808, July 21.
Rosenberg, Philip, New York, assignor to Universal Steel Equipment Corporation, Long Island City, N. Y. Erectable shelving. 2,631,913. Mar. 17.
Rosenberg, Philip, New York, assignor to Universal Steel Equipment Corporation, Long Island City, N. Y. Extensible joint structure. 2,639,789, May 26.
Rosenberg, Philip, New York, assignor to Universal Steel Equipment Corporation, Long Island City, N. Y. Wedge nut and structure employing wedge nuts. 2,645,264, July 14.
Rosenberg, Stig E., Brockton, Mass. Making dipped latex garment. 2,660,762, Dec. 1.
Rosenberger, Albert J., and A. Goldberg, assignors to Republic Flow Meters Company, Chicago, Ill. Instrument for producing a regulated force responsive to a condition. 2,626,626, Jan. 27.
Rosenberger, Albert J., and G. E. Lindemann, assignors to Republic Flow Meters Co., Chicago, Ill. Liquid level measuring apparatus. 2,633,022, Mar. 31.
Rosenberry, Wm. K., assignee: *See*—
Heikes, Norman L.
Rosenblad Corporation, assignee: *See*—
Lockman, Carl J.
Rosenbloom, Irving, Great Neck, assignor to Renwal Manufacturing Co., Inc., Mineola, N. Y. Toy gun with means for propelling toy bullets. 2,625,927, Jan. 20.
Rosenblum, Leonard, Hillside, N. J., assignor to Star Metal Products Co., Brooklyn, N. Y. Roller catch. 2,660,464, Nov. 24.
Rosenboom, Gustaf H., Kalama, Wash. Adjustable chain saw bar. 2,660,204, Nov. 24.
Rosenburgh, Norman J., assignor to Eastman Kodak Company, Rochester, N. Y. Document straightening means for photographic copying apparatus. 2,656,186, Oct. 20.
Rosencranz, Albert C.: *See*—
Duncan, Thomas W., and Rosencranz.
Rosenfeld, Milton G., Ladue, assignor to Western Garment Company, St. Louis, Mo. Apparel garment and making the same. 2,646,569, July 28.
Rosenfeld, Myer, Aberdeen, and C. F. Pickett, Bel Air, Md. Method of and composition for removing rust and scale. 2,631,950, Mar. 17.
Rosenfield, Arthur M., and J. J. Goldklang, Brooklyn, N. Y. Brassière. 2,628,356, Feb. 17.
Rosengren, Swan N.: *See*—
Downey, George T., Rosengren, and Forrester.
Rosenkaimer & Cie., assignee: *See*—
Kampf, Friedrich, and Uthemann.
Rosenkrans, Frank A., Bridgeport, Conn., assignor to General Electric Company. Motor-driven dual pumping unit. 2,643,614, June 30.
Rosenkranz, George, S. Kaufman, and J. Pataki, assignors to Syntex S. A., Mexico City, Mexico. $\Delta^{5,7}$-allopregnenes and process. 2,659,742, Nov. 17.
Rosenleaf, John R.: *See*—
Eckart, De Merle E., and Rosenleaf.
Rosenleaf, John R., assignor to The J. B. Ehrsam & Sons Manufacturing Co., Enterprise, Kans. Drive for adjustable-axis mating rotors. 2,640,371, June 2.
Rosenlof, Kenneth E., Portland, Oreg. Sealing cap for cans and the like. 2,630,237, Mar. 3.
Rosenlund, Iver T., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Combustion means for jet propulsion units. 2,627,721, Feb. 10.
Rosenlund, Nils, Brooklyn, N. Y. Means for the setting of saw teeth. 2,651,220, Sept. 8.
Rosensteel, Robert M.: *See*—
Baker, Warwick R., and Rosensteel.
Rosenstein, Charles, assignee: *See*—
Wright, Orell.
Rosenthal, Daniel, Brooklyn, N. Y. Drinking vessel with animated display. 2,635,384, Apr. 21.
Rosenthal, Daniel, Brooklyn, N. Y. Drinking vessel with animated display. 2,654,974, Oct. 13.
Rosenthal, Harry, assignee: *See*—
Shaw, James, and Faus.
Rosenthal, Harry, assignor to No-Nik Corporation, New York, N. Y. Tenpin spotting device. 2,632,646, Mar. 24.
Rosenthal, Henry, Yonkers, N. Y. Gas turbine ... ploying secondary fuel as a coolant. 2,660,0...
Rosenthal, Jacob R., New York, N. Y. Sm... 2,624,345, Jan. 6.
Rosenthal, Julian B., Bronx, N. Y. Framing ... ladies' handbags and the like. 2,636,536, A...
Rosenthal, Morris: *See*—
Hager, Karl F., Lindenmayr, and Rosentha...
Rosenthal-Porzellan A. G., assignee: *See*—
Koch, Otto.
Rosenthal, Robert W., Poughkeepsie, assignor to ... Company, New York, N. Y. Preparing alk... 2,652,413, Sept. 15.
Rosenthal, Samuel, Cleveland, Ohio. Pressin... 2,629,524, Feb. 24.
Rosenthal, Samuel, Cleveland, Ohio. Pants p... chine. 2,658,649, Nov. 10.
Rosenthal, Sidney N., New York, N. Y. Ink su... for felt nibbed pens. 2,629,359, Feb. 24.
Rosenthal, Siegfried, assignee: *See*—
Reussner, Georges.
Rosenthal, William, Bayville, N. Y. Brassière. ... Sept. 8.
Rosenwald, Robert H., Western Springs, ... Universal Oil Products Company, Chicago, ... oil composition. 2,630,438, Mar. 3.
Rosenzweig, Sam, New York, N. Y. Dispen... handle. 2,632,446, Mar. 24.
Rosenzweig, Sam, and W. M. Fuchs, New York, ... Fuchs assignor to said Rosenzweig. Liquid ... mino sulfa compounds. 2,629,682, Feb. 24.
Roseveare, William E., Richmond, Va., assign... Du Pont de Nemours & Company, Wilmi... Heat stabilized cellulose yarn. 2,653,112, ...
Rosheim, John, Scarville, Iowa. Ensilage unl... silo filling wagon. 2,635,772, Apr. 21.
Roshko, Frank O., New Orleans, La. Crayf... machine. 2,660,754, Dec. 1.
Roshong, Raymond G., North Hollywood, Cali... to Crane Packing Company, Chicago, Ill. I... chine. 2,627,144, Feb. 3.
Roshong, Raymond G., North Hollywood, and V... Hollywood, Calif., assignors to Crane Packin... Chicago, Ill. Lapping machine construction. ... Sept. 29.
Rosier, James D., and M. L. S., Montgomery, A... bowl support. 2,648,514, Aug. 11.
Rosier, Mary L. S.: *See*—
Rosier, James D., and M. L. S.
Rosin, Seymour, and A. M. Bottalico, assignors ... Optical Co., Inc., New York, N. Y. Three-... jective lens with reduced spherical aberratio... matic difference of spherical aberration. ... Dec. 22.
Rosin, Wilhelm: *See*—
Kranawetvogel, Anton, and Rosin.
Roskamp, John K., Cedar Falls, Iowa. Combi... ing and rolling machine. 2,633,072, Mar. 31.
Roske, Jack W., Crescent City, Calif. Sectiona... 2,654,319, Oct. 6.
Roske, Milton H., Malden, Mass., assignor to ... Machinery Corporation, Flemington, N. J. ... machine. 2,651,933, Sept. 15.
Roske, Milton H., Malden, Mass., assignor to ... Machinery Corporation, Flemington, N. J. ... trimming machine. 2,654,105, Oct. 6.
Rosner, Joseph, Jr., Speedway City, Ind. De... 2,628,425, Feb. 17.
Ross, Alexander H., Fort Mitchell, Ky., assigno... assignments, to Emhart Manufacturing ... Cartoning machine. 2,662,355, Dec. 15.
Ross, Alexander H., Lakeside Park, Ky., assigno... assignments, to Emhart Manufacturing Com... justable conveyer for cartoning machines. ... Feb. 17.
Ross, Alfred C., Jackson Heights, N. Y. ... device for fishing nets. 2,629,914, Mar. 3.
Ross, Alfred C., Jackson Heights, N. Y. A... landing net. 2,637,133, May 5.
Ross, Alvin H. A., R. H. Farmer, and A. G. ... Port Hope, Ontario, Canada. Separating ur... its ores. 2,639,974, May 26.
Ross, Benjamin M., Fort Wright, Ky. Ala... mechanism. 2,630,671, Mar. 10.
Ross, Charles, & Son Company, assignee: *See*—
Hill, Marley G.
Ross, Clark, assignee: *See*—
Hodson, Layne O. and G., and Ross.
Ross, Frank A., Ross Township, Allegheny ... signor to Miller Printing Machinery Co., Pitt... Intaglio printing press. 2,655,102, Oct. 13.
Ross Gear & Tool Company, assignee: *See*—
Creson, William K.
Creson, William K., and Berghoff.
Creson, William K., Newman, and Bergho...
Ross, George E., Nevada, assignor to W. A. ... poration, Bucyrus, Ohio. Road working ... 2,655,743, Oct. 20.
Ross, Hamilton M.: *See*—
Bankauf, William F., Herrmann, and Ross...
Ross, Howard C., Arlington, Va. Double coat. ... Apr. 21.

Ross, James H., J. S. Hart, R. K. Strapp, and O. Maass, assignors, by mesne assignments, to Pulp and Paper Research Institute of Canada, Montreal, Quebec, Canada. Production of cellulose pulp. 2,640,774, June 2.

Ross, James S., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Power train for vehicle power take-off shaft and auxiliary unit. 2,660,892, Dec. 1.

Ross, John, Ramsey, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Spray cooled product and process. 2,638,475, May 12.

Ross, John, Ramsey, and A. I. Gebhart, Union, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Alkanol-ether-imides of long-chain aliphatic dicarboxylic compounds. 2,662,898, Dec. 15.

Ross, John A., Klamath Falls, Oreg. Iron shear and separator. 2,638,985, May 19.

Ross, John A., Klamath Falls, Oreg. Railroad joint. 2,643,063, June 23.

Ross, John F., Shaker Heights, and H. W. Slover, Willoughby, Ohio, assignors to General Electric Company. Purification of calcium chloride. 2,636,807, Apr. 28.

Ross, John F., Shaker Heights, and H. W. Slover, Willoughby, Ohio, assignors to General Electric Company. Preparation of calcium fluoride. 2,653,857, Sept. 29.

Ross, John H., Allen Park, Mich. Lawn mower attachment. 2,632,989, Mar. 31.

Ross, John P.: *See*—
Ross, Robert G., Jr., and J. P.

Ross, John R., assignor to International Newspaper Supply Corporation, Chicago, Ill. Pump for type casting. 2,625,720, Jan. 20.

Ross, Joseph F., Glencoe, assignor to J. J. Tourek Mfg. Co., Chicago, Ill. Threading machine fixture. 2,645,794, July 21.

Ross, Lawrence T., Moreau, assignor to Union Bag & Paper Corporation, New York, N. Y. Bag with handles. 2,625,318, Jan. 13.

Ross, Loren A., Richmond, Calif. Combined mirror and direction indicator for vehicles. 2,629,087, Feb. 17.

Ross, Olive D., executrix: *See*—
Hansen, William W.
Hansen, William W., and Johnson.

Ross Operating Valve Company, assignee: *See*—
Hallett, Charles H., and Heiser.

Ross, Raymond W., assignor to Leeds and Northrup Company, Philadelphia, Pa. Enclosure formed by extruded side walls having an integral flange. 2,644,602, July 7.

Ross, Richard S., Elkins Park, and R. A. Weiner, Philadelphia, Pa. Self-illuminating cosmetic applicator. 2,651,709, Sept. 8.

Ross, Robert G., Jr., and J. P., Charlotte, N. C. Article elevating caster mounting. 2,663,048, Dec. 22.

Ross, Robert S., Santa Monica, Calif. Handle for cans. 2,631,883, Mar. 17.

Ross, Royal E., Dayton, assignor to Harris-Seybold Company, Cleveland, Ohio. Air jet for air film tables. 2,651,549, Sept. 8.

Ross, Sidney D., assignor to Sprague Electric Company, North Adams, Mass. Stabilization of halogenated compounds. 2,636,006, Apr. 21.

Ross, Sidney D., assignor to Sprague Electric Company, North Adams, Mass. Stabilized halogenated dielectric material. 2,636,074, Apr. 21.

Ross, Sidney D., Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Halogenated compounds. 2,643,270, June 23.

Ross, Sidney D., and M. Markarian, assignors to Sprague Electric Company, North Adams, Mass. Polyfunctional halogenated aromatic compounds and condensation products thereof. 2,631,168, Mar. 10.

Ross, Sidney D., Williamstown, and I. Kuntz, assignors to Sprague Electric Company, North Adams, Mass. 3,8-bis-(trifluoromethyl)-benzo (c) cinnoline and N-oxides thereof. 2,643,252, June 23.

Ross, Sidney D., Williamstown, M. Markarian, North Adams, and W. W. Schroeder, Jr., Williamstown, assignors to Sprague Electric Company, North Adams, Mass. Electrolytic membrane. 2,648,717, Aug. 11.

Ross, Sidney D., Williamstown, M. Markarian, North Adams, and M. Nazzewski, Adams, assignors to Sprague Electric Company, North Adams, Mass. Liquid dielectric compositions. 2,653,912, Sept. 29.

Ross, Walter R., assignee: *See*—
Recob, John D.

Ross, William, Detroit, Mich., assignor to Gyro Skid-Control Company, Inc., Beverly Hills, Calif. Stabilizer device for vehicles. 2,633,368, Mar. 31.

Ross, William R.: *See*—
Wagner, Adolph A., Werner, and Ross.

Rossberg, Ehrhard, Berlin-Siemensstadt, and W. Lockemann, Munich-Haar, assignors to Siemens & Halske, Aktiengesellschaft, Munich and Berlin-Siemensstadt, Germany. Telegraph repeater system. 2,654,803, Oct. 6.

Rosse, Lucien A., Long Island City, N. Y., assignor to American Type Founders, Inc. Inking mechanism for printing presses. 2,650,537, Sept. 1.

Rosselet, Jean, Geneva, Switzerland. Fuze. 2,650,541, Sept. 1.

Rossell, William T., New York, N. Y. Hydraulic ratchet or brake. 2,651,386, Sept. 8.

Rossetto, Louis, Flushing, and G. F. Squassoni, Corona, N. Y., assignors to Mergenthaler Linotype Company. Typographical distributing machine. 2,663,406, Dec. 22.

Rossi, Harald H.: *See*—
Failla, Gioacchino, and Rossi.

Rossi, Harald H., Orangeburg, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation current source. 2,640,953, June 2.

Rossi, Harry J., New York, N. Y., and A. J. Weiss, West Englewood, N. J., assignors to Robert Gair Company, Inc., New York, N. Y. Single blank carton with display card cover. 2,649,195, Aug. 18.

Rossin, Elmer H.: *See*—
Cohen, Oscar P., and Rossin.

Rossin, Elmer H., Melrose, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile materials. 2,651,587, Sept. 8.

Rossire, Francis H. S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Flight controller for automatic pilots. 2,633,315, Mar. 31.

Rossire, Francis H. S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Brake mechanism. 2,655,231, Oct. 13.

Rossire, Francis H. S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Altitude controller unit. 2,657,350, Oct. 27.

Rossire, Francis H. S., Leonia, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engagement station for automatic pilots. 2,663,519, Dec. 22.

Rosskopf, Hans, assignor to H. Oestrich, Decize, Nievre, France. Fluid-cooled blade and heat exchange means therefor. 2,650,803, Sept. 1.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,657,770, Nov. 3.

Rossman, Peter F., Morristown, N. J. Magnetic fuel feeding apparatus. 2,645,279, July 14.

Rosso, Charles, Cimarron, N. Mex. Multiple scale electrical test instrument. 2,657,357, Oct. 27.

Rosson-Richards Processing Co., Inc., assignee: *See*—
Richards, Sidney L., Jr.

Rosswall, Axel E., Lidingo, Sweden. Device for counting leaves or sheets in piles or packets. 2,663,567, Dec. 22.

Rost, Helge F., Djursholm, and P. H. E. Claesson, Jakobsberg, Sweden. System and means for determination of distance and direction. 2,648,062, Aug. 4.

Rost, Otto W., Chicago, Ill., assignor to Westinghouse Air Brake Company. Highway crossing signal control system. 2,654,023, Sept. 29.

Rostau, Morris, Brookline, Mass. Display and storage structure. 2,625,456, Jan. 13.

Rostek, Vincent R., Philadelphia, Pa. Combination gas and electric hot-water heater with heat absorber-transmitter in the flue. 2,628,597, Feb. 17.

Rosten, Philip W., assignee: *See*—
Malloy, Percy W.

Rosten, Raldolph T., assignee: *See*—
Malloy, Percy W.

Rostler, Fritz S., Bakersfield, assignor to Golden Bear Oil Co., Los Angeles, Calif. Petroleum herbicide emulsions. 2,646,350, July 21.

Rostler, Fritz S., Bakersfield, assignor to Golden Bear Oil Co., Los Angeles, Calif. Dust-laying emulsion. 2,646,361, July 21.

Rostoker, Louis: *See*—
Finn, Alfred R., and Rostoker.

Rotaprint Akt. Ges., assignee: *See*—
Babst, Otto.

Rotary Hoes Limited, assignee: *See*—
Howard, Arthur C.

Rotary Lift Company, assignee: *See*—
Green, Richard W.
Harrison, John B., and Adams.

Rotary Seal Company, assignee: *See*—
Meyer, Walter W.

Rotax Limited, assignee: *See*—
Haines, John A.
Bourne, William G.

Rotfeld, Isadore, Philadelphia, Pa. Toy siren and chromatic gun. 2,648,159, Aug. 11.

Roth, Elsie E., executrix: *See*—
Roth, Raymond T.

Roth, Ernest J., Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Doughnut former. 2,628,578, Feb. 17.

Roth, Ernest R.: *See*—
Hirsch, William T., and Roth.

Roth, Grant V. W.: *See*—
Saari, Frank E., and Roth.

Roth, Harold H., Bay City, and H. B. Smith, assignors to The Dow Chemical Company, Midland, Mich. Purification of sulfonated alkenyl aromatic resins. 2,663,700, Dec. 22.

Roth, Herman P., Manhattan Beach, and C. F. Lombard, South Pasadena, assignors to Protection, Inc., Los Angeles, Calif. Crash helmet. 2,625,683, Jan. 20.

Roth, Jay M., assignor to Mechanisms Company, Uhrichsville, Ohio. Centrifugal pump. 2,636,442, Apr. 28.

Roth, Morris E.: *See*—
Horne, Richard C., Roth, and Dickerman.

Roth, Raymond T., deceased, Philadelphia, Pa., E. E. Roth and N. Klauder, executors of said R. T. Roth. S-shaped electrical connecting and clamping strap. 2,651,026, Sept. 1.

Roth Rubber Company, assignee: *See*—
Klingler, Karl A.

Roth, Samuel C., Allentown, Pa. Camera case with hood. 2,634,631, Apr. 14.

Roth, Sydney M., assignee: *See*—
Matson, Leroy A.

Roth, Walter J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine having rotary tub with separate discharge means. 2,633,727, Apr. 7.

Rothacker, Francis N., Rye, N. Y., assignor to H. M. R. Electronics, Incorporated, New Canaan, Conn. Radar range system. 2,632,160, Mar. 17.

Rothchild, Morris, Brooklyn, N. Y. Refrigerator track and drawer construction. 2,649,351, Aug. 18.

Rothe, Lloyd B.: *See*—
Steiner, Arnold B., and Rothe.

Rothenbaum, Herbert E.: *See*—
Thompson, Frank, and Rothenbaum.

Rothenberger, George M.: *See*—
Rice, Edgar C., and Rothenberger.
Vokac, Charles W., Rothenberger, and Morey.

Rothlisberger, Alvin C.: *See*—
Uraneck, Carl A., and Rothlisberger.

Rothmayr, Joseph, Zurich, Switzerland, assignor to Interpatenta-Trust, Vaduz, Principality of Liechtenstein. Wash fountain. 2,652,284, Sept. 15.

Rothrock, Arthur A., assignor to J. A. Freeman & Son, Portland, Oreg. Hay baler. 2,633,794, Apr. 7.

Rothrock, George M.: *See*—
Culhane, Paul J., and Rothrock.

Rothrock, George M., Kenmore, N. Y., assignor to E. I du Pont de Nemours & Company, Wilmington, Del. Preparation of acrylonitrile-vinylpyridine polymers. 2,640,049, May 26.

Rothrock, Henry S.: *See*—
Miller, Henry C., and Rothrock.

Rothrock, Ralph K.: *See*—
Oakes, Edward J., and Rothrock.

Rothstein, Jerome, Belmar, N. J. Electron discharge device. 2,630,545, Mar. 3.

Rothstein, Jerome, Belmar, N. J. Level. 2,660,805, Dec. 1.

Rothweiler, Charles O., assignor to David White Company, Milwaukee, Wis. Index clamp. 2,659,149, Nov. 17.

Rothwell, Gordon P., La Crescenta, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Work holding and advancing device. 2,638,662, May 19.

Rothwell, John C.: *See*—
Bianchi, Peter, and Rothwell.

Rotko, Peter, Jr., assignee: *See*—
Sierer, Payson, and Waterbury.

Rotman, Menachem, Philadelphia, Pa. Till lock with alarm. 2,649,070, Aug. 18.

Rotol Limited, assignee: *See*—
Basevi, Sidney P.

Rotomatic, Incorporated, assignee: *See*—
Dull, Marshall I.

Roto-Matic Screen Printer, Ltd., assignee: *See*—
Thomas, John B.
Thomas, John B., and Moorhouse.

Rotor Tool Company, The, assignee: *See*—
Van Sittert, Paul R.

Rotruck, Adelbert L.: *See*—
Storer, William C., and Rotruck.

Rott, André, Wilrijk-Antwerp, assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Production of reversal images. 2,663,641, Dec. 22.

Rotter, Lutwin C., Maplewood, assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricating system. 2,627,320, Feb. 3.

Rotter, Lutwin C., and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Lubricator pump. 2,657,763, Nov. 3.

Rotter, Lutwin C., Maplewood, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for line-retrieving reeling apparatus. 2,659,546, Nov. 17.

Rottig, Walter: *See*—
Traeger, Bruno, and Rottig.

Rottig, Walter, Oberhausen-Sterkrade-Nord, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Iron catalyst for the hydrogenation of carbon monoxide. 2,628,969, Feb. 17.

Rottig, Walter, Oberhausen-Sterkrade-Nord, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holton, Germany. Catalyst for the hydrogenation of carbon monoxide. 2,647,138, July 28.

Rottig, Walter, Oberhausen-Sterkrade-Nord, assignor to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Catalytic hydrogenation of carbon monoxide. 2,660,599, Nov. 24.

Roty, Jean: *See*—
Bauger, Louis, and Roty.

Rouan, Francis J., Darien, Conn., W. J. Hanson, Port Chester, N. Y., and A. G. Russell, assignors to Pitney-Bowes, Inc., Stamford, Conn. Differential actuator. 2,657,593, Nov. 3.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Parallel motion translation device for vibratory screens. 2,635,752, Apr. 21.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rod deck screen. 2,636,607, Apr. 28.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Yield... for jaw crushers. 2,636,690, Apr. 28.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Mater... vice for gyratory crushers. 2,656,120, Oct...

Roubeck, Albert, New York, N. Y. Adjusta... carrier. 2,629,607, Feb. 24.

Roublan, Vahé S., Manhasset, N. Y. Insulati... dicinal pad for dental cavities. 2,644,232, ...

Roubloff, Alexander D.: *See*—
Baehr, Sylvester C., and Roubloff.

Roughsedge, Robert H., Ramsey, N. J., and H... New York, N. Y., assignors to Celanese Cor... America. Knitting machine. 2,652,704, S...

Roughsedge, Robert H., Ramsey, and A. Meder... N. J., assignors to Celanese Corporation ... New York, N. Y. Apparatus for winding. ... Dec. 22.

Roulements a Billes Miniatures S. A., assigne... Annen, Robert.

Round, Albert W., Torrington, Conn. Nontw... lure and spoon. 2,624,147, Jan. 6.

Roundtree, John C., Pampa, Tex. Measuring ... aging machine. 2,655,291, Oct. 13.

Rounsefell, Clifford P., Pearl River, N. Y., a... mesne assignments, to Filmsort, Inc. Film... and viewing apparatus with film locati... 2,633,774, Apr. 7.

Rounseville, Ellsworth A., and R. G. Estee, ... Mass., assignors to Glas-Kraft Inc., Lonsdale ... inforced paper and method and apparatus fo... facture thereof. 2,638,146, May 12.

Rountree, Joseph G., Sr., Beeville, Tex. Rot... disk type lawn mower. 2,651,159, Sept. 8.

Rouse, James S., Greenville, N. C. Device f... the tubes of automobile radiators and ... 2,639,453, May 26.

Rouse, William C.: *See*—
Morley, William E., Moore, and Rouse.

Rouse, William H.: *See*—
Feldhausen, Cyril P., Lommen, and Rouse.

Roush, Alan D., and O. M. Stolz, assignors ... Building Units, Inc., Dayton, Ohio. R... 2,626,577, Jan. 27.

Roush, Alan D., Dayton, O. M. Stolz, near D... J. D. Yeck, assignors to General Building ... Dayton, Ohio. Panel for prefabricate... 2,642,968, June 23.

Rousseau, Leo J., Grosse Pointe Park, assigno... Man, Inc., Detroit, Mich. Rotary brush. ... Sept. 15.

Roustan, Joseph G., Boulogne-sur-Seine, Fran... with automatically varying output and ... 2,636,438, Apr. 28.

Routledge, Christopher A., Walsworth, Hitchin... Keen, Letchworth, assignors to The British ... Machine Company Limited, London, Engla... trical apparatus. 2,635,197, Apr. 14.

Routman, Helen D., Sharon, Pa. Baby blanke... ness. 2,643,398, June 30.

Routt, Arthur, Dundas, Ill. Structural joint. ... Sept. 29.

Rouy, Auguste L. M. A., New York, N. Y. ... device. 2,624,537, Jan. 6.

Rouy, Auguste L. M. A., New York, N. Y. C... 2,630,735, Mar. 10.

Rovns, Tobias, assignor of forty percent to Ohi... Mills, Inc., Cleveland, Ohio. Guide for w... 2,658,699, Nov. 10.

Rover, Alexander H., West New York, N. J. ... space saver. 2,626,714, Jan. 27.

Rover Company Limited, The, assignee: *See*—
Bell, Francis R.

Row, John R., Elmira, N. Y. Mold and ... machine. 2,624,084, Jan. 6.

Rowan, Eugene J., Rockville, assignor to The ... Corporation, New York, N. Y. Embossi... 2,630,201, Mar. 3.

Rowan, Robert, Jr., Silver Spring, Md., assignor ... ard Oil Development Company. Catalyst p... 2,638,454, May 12.

Rowe, Arthur E., Cleveland, Ohio. Vehicle li... docks. 2,637,454, May 5.

Rowe, Arthur E., Cleveland, Ohio. Loading ... struction. 2,644,971, July 14.

Rowe, Carl B., assignor to Research Product... tion, Madison, Wis. Gas-liquid contact ... 2,637,540, May 5.

Rowe, Carl H., Ransomville, N. Y., and E. ... Appleton, Wis., assignors, by mesne assig... K-C-M Company, Dayton, Ohio. Method and ... for the continuous screening of fluids. ... Mar. 17.

Rowe, Charles E., Athol, assignor to Harringt... ardson Arms Company, Worcester, Mass. ... means for revolvers. 2,624,970, Jan. 13.

Rowe, Delman E., Washington, D. C., assignor, ... assignments, to the United States of America ... sented by the Secretary of the Navy. Coaxi... attenuator switch. 2,638,503, May 12.

Rowe, Delman E., Washington, D. C., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Power divider. 2,647,953, Aug. 4.

Rowe, Edgar A., and R. M. Zschau, Martinsville, Ill. River weight for pipe lines. 2,662,552, Dec. 15.

Rowe, Fred W., Seattle, Wash. Removable drum fishing winch. 2,645,455, July 14.

Rowe, George E., Wethersfield, assignor to Emhart Manufacturing Company, Hartford, Conn. Machine for washing or rinsing glass containers. 2,634,737, Apr. 14.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Neck pin lubricating mechanism. 2,638,718, May 19.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Apparatus for handling glassware. 2,643,780, June 30.

Rowe, George E., Wethersfield, assignor to Emhart Manufacturing Company, Hartford, Conn. Apparatus for and method of forming paste mold glassware. 2,645,059, July 14.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Suction settle and counterblowing process and apparatus. 2,648,168, Aug. 11.

Rowe, George E., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Glassware takeout apparatus. 2,660,831, Dec. 1.

Rowe, Henry A., assignor to Goodyear Aircraft Corporation, Akron, Ohio. Vehicle compass. 2,634,702, Apr. 14.

Rowe, Julian F., Stewart Manor, N. Y. Fork for handling bricks and other units. 2,624,608, Jan. 6.

Rowe, Lancelot W., Metuchen, and R. P. Smith, Westfield, N. J., assignors to National Lead Company, New York, N. Y. Producing iron oxide and titanium tetrachloride from titaniferous iron ores. 2,657,976, Nov. 3.

Rowe, Louis F.: *See*—
Sheard, Samuel T., and Rowe.

Rowe Manufacturing Co., Inc., assignee: *See*—
Gabrielsen, Christian.
Morrison, John F.

Rowe, Marion H., Dallas, assignor to American Desk Manufacturing Co., Temple, Tex. Theater seat. 2,652,881, Sept. 22.

Rowe, Raymond N., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Enclosed switch. 2,636,960, Apr. 28.

Rowe, Raymond N., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,639,347, May 19.

Rowe, Raymond N., Plainville, and R. G. Page, New Britain, Conn., assignors, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,640,127, May 26.

Rowe, Russell R., and L. J. Schuppert, Corydon, Ind. Toilet seat cover lock. 2,651,053, Sept. 8.

Rowekamp, Edward F., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Filling machine for containers. 2,660,356, Nov. 24.

Rowell, Lorne A., Lachine, Quebec, assignor to Imperial Tobacco Company of Canada, Limited, Montreal, Quebec, Canada. Tangential pneumatic separator. 2,643,734, June 30.

Rowell, Lorne A., Lachine, Quebec, assignor to Imperial Tobacco Company of Canada, Limited, Montreal, Quebec, Canada. Tobacco cleaner and classifier. 2,658,617, Nov. 10.

Rowell, William G., Wollaston, Mass. Pressure responsive throttle control for fluid pumping systems. 2,634,681, Apr. 14.

Rowell, William G., Wollaston, assignor of forty-five per cent to M. H. Hamilton, Lexington, Mass. Automatic starting apparatus for internal-combustion engines. 2,654,035, Sept. 29.

Rowell, William G., Quincy, Mass. Oil burner electrode gauge. 2,656,615, Oct. 27.

Rowell, William G., Quincy, assignor to Scully Signal Company, Cambridge, Mass. Oil burner with heat responsive fuel cutoff. 2,659,426, Nov. 17.

Rowen, Frank A., Jr.: *See*—
O'Connor, Ward J. F., and Rowen.

Rowland, Frank A., Maidstone, assignor to Medway Paper Sacks Limited, London, England. Bag filling and weighing machinery. 2,632,589, Mar. 24.

Rowland, Howard J., Brookline, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Ring type antenna. 2,648,001, Aug. 4.

Rowland, Ralph L., Milwaukee, Wis., assignor to Lakeside Laboratories Inc. Mercurated allylurea derivatives and diuretics containing the same. 2,635,982, Apr. 21.

Rowlands, Tom, Stoke Bishop, Bristol, England. Former for cartons. 2,630,047, Mar. 3.

Rowles, William, Santa Monica, Calif. Bombproof building structure. 2,653,468, Sept. 29.

Rowlett, Allen H., Washington, D. C. Car, floor, and wall washer. 2,639,945, May 26.

Rowley, Arthur C., Drexel Hill, assignor to Globe Automatic Sprinkler Company of Pennsylvania, Philadelphia, Pa. Dry pipe valve. 2,644,479, July 7.

Rowley, Russell A.: *See*—
Hamilton, Francis E., Seeber, Rowley, and Hughes.

Rowley, Russell A., Binghamton, and D. C. Newcomb, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled calculating machine. 2,641,408, June 9.

Roxburgh, Albert, Willesden, London, and A. Leigh, Kenton, Harrow, England, assignors to General Electric Company. Electric circuit breaker. 2,645,696, July 14.

Roy, Milton, Company, assignee: *See*—
Saalfrank, Royal B.
Sheen, Robert T.
Sheen, Robert T., Saalfrank, and Welker.

Roy, Nereus H., Glenbrook, Conn., assignor to Waugh Equipment Company, New York, N. Y. Vibration and shock isolator. 2,660,387, Nov. 24.

Roy, Nereus H., Glenbrook, Conn., assignor to Waugh Equipment Company, New York, N. Y. Vibration and shock isolator. 2,660,423, Nov. 24.

Roy, Rene, Plessisville, Quebec, Canada. Spare tire carrier. 2,661,131, Dec. 1.

Royal China Inc., assignee: *See*—
O'Hare, James K.

Royal Electric Company, Inc., assignee: *See*—
Baenziger, Leonard N.
Burmeister, Howard F.

Royal Lace Paper Works, Inc., assignee: *See*—
Roehm, William A.

Royal Patent Corporation, assignee: *See*—
Durant, Lyndon A.

Royal Typewriter Company, Inc., assignee: *See*—
Kloski, John F., and Kupper.

Royal Vacuum Cleaner Company, assignee: *See*—
Martinet, Eugene F.

Royals, Edwin E.: *See*—
Adkins, Homer, Castle, and Royals.

Royce, Harvey D., assignor to The Southern Cotton Oil Company, Savannah, Ga. Winter vegetable oils and preparing the same. 2,646,356, July 21.

Royer, John E. E., Spokane, Wash. Surgical instrument. 2,649,860, Aug. 25.

Royl, Charles E., Lockhart, Tex. Air conditioning of parked vehicles. 2,658,439, Nov. 10.

Royle, Edwin B.: *See*—
Hendrickson, Donald E., Royle, and Schwartz.

Royle, Edwin B., assignor to The Eimco Corporation, Salt Lake City, Utah. Shaft mucker. 2,642,199, June 16.

Roys, Alden T., assignor to Leland-Gifford Company, Worcester, Mass. Electric control system for hydraulic step drilling machines. 2,642,847, June 23.

Roys, Henry E., Haddon Heights, N. J., assignor to Radio Corporation of America. Phonograph pickup device and the like. 2,658,763, Nov. 10.

Royston, Marvin F., Poughkeepsie, N. Y., assignor to Daystrom, Incorporated, Elizabeth, N. J. Reproducer mounting. 2,647,754, Aug. 4.

Rozaffy, Didier, Paris, France. Article of furniture. 2,645,545, July 14.

Rozanek, Charles, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Punching apparatus. 2,633,890, Apr. 7.

Rua, Georges: *See*—
Dessert, Léo, Abel, and Rua.

Ruau, Felix F.: *See*—
Molins, Desmond W., Ruau, Harvey, and Nichlos.

Rubaloff, Sidney S., Los Angeles, Calif. Continuous check stand. 2,631,689, Mar. 17.

Rubano, Aldo T., New York, N. Y. Mounting for easels. 2,663,531, Dec. 22.

Rubber and Asbestos Corporation, assignee: *See*—
Been, Jerome, and Grover.

Rubber By-Products (Warwickshire) Ltd., assignee: *See*—
Alley, Stephen E.

Rubber-Stichting, assignee: *See*—
Schuur, Gerrit.
Ten Have, Petrus.
Van Veersen, Gerardus J.

Rubberset Company, assignee: *See*—
Barnes, Charles H., and Grosse.

Rubbra, Arthur A., and L. Haworth, Littleover, Derby, assignors to Rolls-Royce Limited, Derby, England. Hydraulic thrust balancing device. 2,659,240, Nov. 17.

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Rotary take-up lock stitch machine. 2,628,583, Feb. 17.

Ruberoid Co., The, assignee: *See*—
Abraham, Herbert.

Ruben, Harry, Philadelphia, Pa., assignor to Radio Corporation of America. Automatic gain control system. 2,638,538, May 12.

Ruben, Louis A., Bayonne, N. J. Chord-playing harmonica. 2,655,068, Oct. 13.

Ruben, Samuel, New Rochelle, N. Y. Electric current producing cell and electrolyte therefor. 2,629,758, Feb. 24.

Ruben, Samuel, New Rochelle, N. Y. Alkaline dry cell. 2,631,181, Mar. 10.

Ruben, Samuel, New Rochelle, N. Y. Primary cell. 2,638,489, May 12.

Rubens, Harry E., assignee: *See*—
Nahman, Gustave.

Rubens, Louis C., and R. F. Boyer, assignors to The Dow Chemical Company, Midland, Mich. Styrene-unsaturated alkyd resin casting compositions. 2,636,018, Apr. 21.

Rubenstein, Harry J., Kansas City, Mo. Display rack. 2,626,060, Jan. 20.

Rubenstein, Harry J., Kansas City, Mo. Pocketed display rack. 2,643,002, June 23.

Rubenstein, Harry J., Kansas City, Mo. Rack for displaying articles of merchandise. 2,643,776, June 30.

Rubenstein, Julia, New York, N. Y. Detachable fastener for buttons and other articles. 2,626,437, Jan. 27.

Rubenstein, Leon, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Producing initiating composition containing lead azide. 2,653,863, Sept. 29.

Rubenstein, Louis, Kansas City, Mo. Tool handle connection. 2,653,060, Sept. 22.

Ruberoid Co., The, assignee: *See*—
Young, Marshall B.

Rubesch, Frank H., Jim Falls, Wis. Mail holder for mailboxes. 2,650,756, Sept. 1.

Rubin, Albert: *See*—
Rubin, Harry L., A., and D.

Rubin, Alexander, Tel Aviv, Israel. Device for distributing air, gas, or the like in liquids. 2,637,541, May 5.

Rubin, David: *See*—
Rubin, Harry L., A., and D.

Rubin, David, Detroit, Mich. Garment bag. 2,631,720, Mar. 17.

Rubin, David, Detroit, Mich. Garment holding bag. 2,635,740, Apr. 21.

Rubin, Frank L.: *See*—
Worn, George A., and Rubin.

Rubin, Harry L., A., and D., Long Beach, Calif. Rug display device. 2,651,127, Sept. 8.

Rubin, Herbert, New York, N. Y. Convertible punching bag mount. 2,642,287, June 16.

Rubin, Howard, executor: *See*—
Sternberg, Israel K.

Rubin, Irve: *See*—
Fogel, Mortimer A., and Rubin.

Rubin, Irving, Buffalo, N. Y. Connection between band parts and loops. 2,655,707, Oct. 20.

Rubin, Julius, Bronx, N. Y. Thread trimming machine. 2,661,519, Dec. 8.

Rubin, Louis B., Springfield Gardens, assignor to Mizzy, Inc., New York, N. Y. Dental cavity lining device. 2,654,948, Oct. 13.

Rubin, Louis C.: *See*—
McGrath, Henry G., Passino, and Rubin.

Rubin, Louis C., West Caldwell, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J. Metal to plastic bonding. 2,638,523, May 12.

Rubin, Louis C., West Caldwell, assignor to The M. W. Kellogg Company, Jersey City, N. J. Packing composition containing polytrifluorochloroethylene and an inorganic antifriction agent. 2,644,804, July 7.

Rubinstein, Louis, Cleveland Heights, Ohio. Bedrail and slat lock. 2,624,890, Jan. 13.

Rubinstein, Matthew N., and S. Caplin, assignors to Auto-Wrap Corporation, New York, N. Y. Ready wrapper. 2,628,764, Feb. 17.

Rubinstein, Robert, Brooklyn, N. Y. Automatic edge grinding machine for lenses. 2,651,890, Sept. 15.

Rubissow, George A., New York, N. Y. Centrifugal casting machine. 2,638,646, May 19.

Ruble, Theodore A.: *See*—
McLain, Joseph H., and Ruble.

Ruby, Elmo F., and W. B. Owen, Cicero, Ill. Universal gauging and scribing means. 2,646,624, July 28.

Ruby, George H. A.: *See*—
Granade, Fred C., and Ruby.

Ruchinski, John F., Wanamie, Pa. Motor vehicle switch. 2,627,568, Feb. 3.

Rucker Company, The, assignee: *See*—
Price, Harold A., and Vickery.

Ruckstuhl, Hans, and W. Wehrli, assignors to Sandoz A. G., Basel, Switzerland. Cupriferous polyazo dyestuffs. 2,644,812, July 7.

Ruckstuhl, Hans, and W. Wehrli, assignors to Sandoz A. G., Basel, Switzerland. Cupriferous polyazo dyestuffs. 2,644,813, July 7.

Ruczynski, Narcy B., Grand Rapids, Mich. Helicopter toy. 2,645,055, July 14.

Rudd, Kenneth H.: *See*—
Doyle, Philip C., and Rudd.

Rudd, Lloyd K., Newtown Square, and K. C. Melikian, Philadelphia, Pa. Mixing funnel for beverage vending machines. 2,653,733, Sept. 29.

Ruddy, Arlo W.: *See*—
Archer, Sydney, and Ruddy.

Ruddy, Arlo W., Morristown, N. J., T. J. Becker, deceased, Delmar (by M. L. Tainter, administrator, Albany), assignors to Winthrop-Stearns Inc., New York, N. Y. Substituted phenylpropylamines. 2,662,886, Dec. 15.

Rude, John F., and A. V. Burch, assignors to Burch Plow Works, Inc., Evansville, Ind. Flexible disk harrow. 2,657,511, Nov. 3.

Rude, Nordahl L., Eau Claire, Wis. Detachable guardrail for beds. 2,624,055, Jan. 6.

Rudeen, Carl S., Pocatello, Idaho. Twine knotter. 2,644,703, July 7.

Rudel, Harry W.: *See*—
Kirshenbaum, Abraham D., and Rudel.

Rudel, Harry W., Roselle Park, N. J., assignor to Standard Oil Development Company. Oxidation. 2,662,815, Dec. 15.

Rudel, Harry W., Roselle Park, and M. Gargi, N. J., assignors to Standard Oil Development Co. Rust inhibiting composition. 2,644,793, J

Rudel, Harry W., Roselle Park, and J. I. W, N. J., assignors to Standard Oil Development Co. Thiophosphate esters. 2,645,657, July 14.

Rudenberg, Hermann G.: *See*—
Hergenrother, Rudolf C., and Rudenberg.

Rudge, Thomas R., Timperley, Altrincham, The General Electric Company Limited, land. Apparatus for measuring the thick magnetizable coatings on magnetizabl 2,651,846, Sept. 15.

Rudhart, Joseph A., Philadelphia, Pa. Adju tor holder. 2,625,746, Jan. 20.

Rudick, Lawrence, Longmeadow, Mass., assi santo Chemical Company, St. Louis, Mo stains comprising dioxane. 2,657,970, Nov

Rudkin, Eric P., London, England, assign national Standard Electric Corporation, N. Y. Radio receiver employing band pass cut arrangements. 2,624,838, Jan. 6.

Rudman, Edward G., Nashua, N. H. Verti able table top. 2,643,922, June 30.

Rudner, Merritt A.: *See*—
Pearl, Harry A., and Rudner.

Rudolf, Emil, assignor to Drawag A. G., Zurich, Switzerland. Rubbish basket. Mar. 17.

Rudolph Grave Aktiebolag, assignee: *See*—
Silverstolpe, Karl O. L.

Rudolph, Hans: *See*—
Leypold, Dieter, Rudolph, and Jurgens.

Rudolph, Hans, Kansas City, Mo. Instrumen ing inside dimensions. 2,663,942, Dec. 2

Rudolph, Hans A., Hollywood, assignor to Rectifier Corporation, Los Angeles, Cali element and making it. 2,659,846, Nov. 17

Rudolph, Herbert H., Chicago, and J. V. O Ridge, assignors to Spartan Tool Company, Pipe cleaning apparatus. 2,661,489, Dec.

Rudolph, Jacob P., North Arlington, N. J., as Reduction Company, Incorporated. Valve Feb. 24.

Rudy, Hermann, Heidelberg, assignor to J. G. m. b. H., Chemische Fabrik, Ludwigsha Germany. Deliming hides with citric acid liquor. 2,639,967, May 26.

Rudy, John L., and W. C. Pitts, Memphis, T lint conditioning machine. 2,637,075, May

Rudy, Robert B., Washington, D. C., assignor States of America as represented by the Commerce. Antifreeze tester. 2,643,540, J

Rudzki, Edward L.: *See*—
Richter, Theodore L., and Rudzki.

Rue, Albert A.: *See*—
Maxfield, Darel L., and Rue.

Rueb, Theodore O., assignor to The Sherma Chicago, Ill. Friction joint. 2,636,759.

Rueb, Theodore O., assignor to The Sherma Chicago, Ill. Ratchet wrench. 2,657,604,

Rueckert, Dean E.: *See*—
Hensgen, Bernard T., and Rueckert.

Rueckert, Dean E., Mokena, assignor to Swift Chicago, Ill. Truck loading. 2,649,054, A

Rued, Fred H., Lafayette, assignor to The Wheel Company, San Francisco, Calif. Tu troller. 2,635,847, Apr. 21.

Rued, Fred H., Lafayette, assignor to The Wheel Company, San Francisco, Calif. F oil makeup and pressure control. 2,654,22

Ruedemann, Albert D.: *See*—
Jardon, Fritz W., and Ruedemann.

Ruedemann, Dana W., Plainsboro, N. J. Se 2,638,871, May 19.

Ruedi, George R., Denver, Colo. Masonry r 2,626,521, Jan. 27.

Ruegg, Arnold, Gumligen, near Bern, assigno Spezialwerkzeuge- und Maschinen A. G Switzerland. Device for shape-turning and duction of hollow shapes and turned parts a rotating cutting tool on machine tools Dec. 8.

Ruehle, Archie E.: *See*—
Mallinckrodt, Edward, Jr., and Ruehle.

Ruemelin, Richard, Milwaukee, Wis. Aerator Aug. 25.

Ruetenik, Howard J., Orwell, Ohio. Veget 2,629,216, Feb. 24.

Ruf, Herman, Flushing, N. Y. Burette with pacity. 2,660,342, Nov. 24.

Ruf, Hermann, Wanaque, N. J., assignor to Fo Corporation. End connection for bracelets 2,638,652, May 19.

Ruff, Alonzo W., assignor to V. C. Patterson Inc., York, Pa. Combined water heater ditioner of the heat pump type. 2,632,30

Ruff, Alonzo W., assignor to V. C. Patterson Inc., York, Pa. Oil removal system for refr paratus. 2,655,794, Oct. 20.

Ruff, Richard J.: *See*—
Suter, Harold R., and Ruff.

Ruffle, William H., assignor to Speed Development Company Limited, Hove, England. Fluid pressure operated switch. 2,644,867, July 7.

Ruffle, William H., assignor to Speed Development Company Limited, Hove, England. Thermocouple device. 2,653,178, Sept. 22.

Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Extensometer. 2,663,085, Dec. 22.

Ruger, William B., Westport, assignor to Sturm, Ruger & Co., Inc., Southport, Conn. Breech block and firing pin assembly for small arms. 2,624,969, Jan. 13.

Ruger, William B., Wilton, assignor to Sturm, Ruger and Company, Inc., Southport, Conn. Blowback autoloading pistol. 2,655,839, Oct. 20.

Ruggiero, John V., Jersey City, N. J., assignor to Radio Corporation of America. Apparatus and method for joining glass tubulations to glass bulbs. 2,662,345, Dec. 15.

Ruggles, David M.: *See*—
Barry, Joseph F., and Ruggles.

Ruggles, Donald H., Tulsa, Okla. Covering for awnings and the like. 2,647,292, Aug. 4.

Ruh, Robert P., assignor to The Dow Chemical Company, Midland, Mich. 1,3-dichloro-2,3,3-trifluoropropene. 2,628,987, Feb. 17.

Ruh, Robert P., assignor to The Dow Chemical Company, Midland, Mich. 1,1,3-trichloro-3,3-difluoropropene. 2,628,988, Feb. 17.

Ruh, Robert P., and A. F. Gordon, assignors to Dow Corning Corporation, Midland, Mich. Halogenated pentenes. 2,634,301, Apr. 7.

Ruh, Robert P., and R. A. Davis, assignors to The Dow Chemical Company, Midland, Mich. Preparation of fluoromethanes. 2,639,300, May 19.

Ruh, Robert P., and Ralph A. Davis, assignors to The Dow Chemical Company, Midland, Mich. Preparation of bromofluoromethanes. 2,639,301, May 19.

Ruh, Robert P., and R. A. Davis, assignors to The Dow Chemical Company, Midland, Mich. Preparation of chlorobromodifluoromethane. 2,639,302, May 19.

Ruh, Robert P., and R. A. Davis, assignors to The Dow Chemical Company, Midland, Mich. Bromination of polyhalomethanes. 2,658,086, Nov. 3.

Ruhland, Roman C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Recording apparatus. 2,625,458, Jan. 13.

Ruhrchemie Aktiengesellschaft, assignee: *See*—
Feichtinger, Hans, and Puschhof.
Geiser, Nikolaus, and Kolling.
Rottig, Walter.
Traeger, Bruno, and Rottig.
Tramm, Heinrich, and Schaub.

Ruist, John T., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Sheet metal pillow block. 2,654,645, Oct. 6.

Ruiz, Joseph J., assignor to Basic Refractories, Inc., Cleveland, Ohio. Calcining apparatus. 2,628,829, Feb. 17.

Ruiz, Joseph J., assignor to Basic Refractories, Inc., Cleveland, Ohio. Burning lime and like CO_2-yielding materials. 2,634,119, Apr. 7.

Rule, Joseph D., assignor to Kewanee Industrial Washer Corp., Kewanee, Ill. Cleaning apparatus with lubricator therefor. 2,651,311, Sept. 8.

Rulison, Raymond L., Berkley Heights, and G. K. Teal, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of two-sided mosaic. 2,641,553, June 9.

Rullo, Gabriel N., Astoria, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Inking mechanism for printer slotter-multicolor rolls. 2,664,045, Dec. 29.

Rumbaugh, Hugh M., Bath, Ohio. Smooth impeller dishwasher. 2,624,356, Jan. 6.

Rumbaugh, Walter R., Lima, assignor to The Standard Oil Company, Cleveland, Ohio. Piston rod stuffing-box gauge. 2,663,944, Dec. 29.

Rumberger, George G., Neenah, assignor to Marathon Corporation, Rothschild, Wis. Coating sheet material with wax. 2,642,366, June 16.

Rumberger, George G., Neenah, assignor to Marathon Corporation, Rothschild, Wis. Rubber compositions with oxidized microcrystalline wax. 2,662,864, Dec. 15.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Walling members for sectionalized structure providing a common rectilinear surface. 2,644,996, July 14.

Rummel, Roman, Dusseldorf-Benrath, Germany. Gasification of combustible materials. 2,647,045, July 28.

Rummery, Frank O.: *See*—
Allan, Benjamin W., and Rummery.

Rumpel, Harvey H., Whitefish Bay, assignor to Smith Engineering Works, Milwaukee, Wis. Gyratory crusher. 2,634,061, Apr. 7.

Rumpf, Walter J.: *See*—
Parsons, Carr H., and Rumpf.

Rumscheidt, Gottfried E.: *See*—
Goppel, Johan M., Rumscheidt, and Hackmann.

Rumsey, Herbert, Jr., Rochester, N. Y. Apparatus for heat sealing and severing thermoplastic materials. 2,635,672, Apr. 21.

Rumsey, John C., Topeka, assignor of one-half to F. R. Vanderhoof, Lawrence, Kans. Nutcracker. 2,656,866, Oct. 27.

Rumsey, Howard L., Buffalo, N. Y., and M. C. Abbott, Greenwood, Mass., assignors, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Wire reel for magnetic wire recorders. 2,641,420, June 9.

Runde, Kenneth R., Lemay, assignor to James R. Kearney Corporation, St. Louis, Mo. Cutting device. 2,645,848, July 21.

Runde, Kenneth R., Lemay, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical line clamp. 2,651,766, Sept. 8.

Runde, Kenneth R., Lemay, assignor to James R. Kearney Corporation, St. Louis, Mo. Clamp stick. 2,658,784, Nov. 10.

Rundell, Harwood F., assignor to Aeroquip Corporation, Jackson, Mich. Pressure pickup element. 2,663,781, Dec. 22.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Corporation. Filler feed for cigar machines. 2,625,936, Jan. 20.

Runft, Arthur J., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Antenna coupling network. 2,657,310, Oct. 27.

Runge, Norman H.: *See*—
Williams, Leo C., and Runge.

Runge, Richard M., and J. A. Pascucci, assignors to The Miller Company, Meriden, Conn. Direct lighting equipment. 2,654,830, Oct. 6.

Runkle, Charles V., Detroit, Mich. Electronic space unit humidifier. 2,638,528, May 12.

Runkle, George L., and D. H. Cox, assignors to Superior Coach Corporation, Lima, Ohio. Leveling means for vehicles. 2,654,633, Oct. 6.

Runkle, Harry F., Kansas City, Kans. Combination minnow bucket and trap. 2,629,201, Feb. 24.

Runnels, Clarence H., Nashville, Tenn. Hydraulic vent valve. 2,627,868, Feb. 10.

Runnells, David L., Jr., and P. F. Burch, assignors to Wolverine Shoe & Tanning Corporation, Rockford, Mich. Machine for skinning hogsides. 2,649,881, Aug. 25.

Runninger, Frederick L., Cleveland, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Pressure controller. 2,624,868, Jan. 6.

Runsberg, Herman: *See*—
Williamson, Louis W., and Runsberg.

Runton, Leslie A., Port Chester, assignor to Alexander Smith, Incorporated, Yonkers, N. Y. Yarn carrier for Axminster looms. 2,643,681, June 30.

Runton, Leslie A., Dracut, and R. E. Derby, Lowell, Mass., assignors to J. P. Stevens & Co. Inc., New York, N. Y. Apparatus for drying cloth. 2,629,940, Mar. 3.

Runyan, John S.: *See*—
Whiting, David V., and Runyan.

Ruport, Alvin A., assignor of one-half to E. W. Kreisel, Citrus Heights, Calif. Cooling unit for rabbit hutches. 2,661,718, Dec. 8.

Rupp, Earl V.: *See*—
Steczynski, Myron E., Biederstadt, and Rupp.

Rupp, John L., Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn. Storage battery and mounting and connection means therefor. 2,653,988, Sept. 29.

Rupp, John L., and M. W. Dickover, Williamsville, and E. Willihnganz and A. H. Snyder, Lancaster, N. Y., assignors to National Battery Company, St. Paul, Minn. Storage battery. 2,647,154, July 28.

Rupp, Virgil R.: *See*—
Gannon, Alfred C., Kilby, and Rupp.

Rupp, Walter H.: *See*—
Linn, Norman F., Scott, and Rupp.

Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Leaning bubble tower. 2,645,467, July 14.

Rupp, Warren E., assignor to The Gorman-Rupp Company, Mansfield, Ohio. Pump-operated portable mixing apparatus. 2,634,110, Apr. 7.

Rupp, Warren E., assignor to The Gorman-Rupp Company, Mansfield, Ohio. Centrifugal pump with separable impeller casing. 2,635,549, Apr. 21.

Rupp, Warren E., assignor to The Gorman-Rupp Company, Mansfield, Ohio. Apparatus for cleansing septic tanks. 2,638,224, May 12.

Rupp, Warren E., assignor to The Gorman-Rupp Company, Mansfield, Ohio. Pumping apparatus and pumping fluids. 2,652,181, Sept. 15.

Rupp, William C., Parma, assignor to The Chandler & Price Company, Cleveland, Ohio. Clamp for paper-cutting machines. 2,633,195, Mar. 31.

Rupp, William C., Parma, assignor to The Chandler & Price Company, Cleveland, Ohio. Brake mechanism for paper-cutting machines and the like. 2,633,219, Mar. 31.

Rupp, William C., Parma, assignor to the Chandler & Price Company, Cleveland, Ohio. Knife control for paper-cutting machines. 2,654,429, Oct. 6.

Rusch, Edward F., Cicero, Ill. Removable tire cleat. 2,646,834, July 28.

Rüsch, Gustav O. K.: *See*—
Christiansen, Christian, and Rüsch.

Rusch, Hugo L., Lambertville, N. J., assignor to A. C. Nielsen Company, Chicago, Ill. Recording apparatus. 2,660,509, Nov. 24.

Ruschmann, Henry F.: *See*—
Goetz, Henry G., and Ruschmann.

Rusconi, Theodore C., Sanger, Calif. Hydraulic control system. 2,629,306, Feb. 24.

Ruser, William, Round Lake, Minn. Work holder. 2,633,764, Apr. 7.

Rush, Derek A. U.: *See*—
Baker, Matthew W., and Rush.

Rush, John W., Wilkinsburg, and G. T. McClure, McKeesport, Pa., assignors to Westinghouse Air Brake Company. Brake control apparatus. 2,661,247, Dec. 1.

Rush Stamping Company, The, assignee: *See*—
Roesch, George R.

Rush, Thomas C., Mansfield, Mo. Blade mounting structure for linoleum and asphalt tile remover. 2,642,272, June 16.

Rusinsky, Paul: *See*—
Strom, Gordon H., Lichter, and Rusinsky.

Ruska, Ernst, Berlin-Spandau, and E. Hentschel, Falkensee, near Berlin, assignors to Siemens & Halske Aktiengesellschaft, Munich and Berlin-Siemensstadt, Germany. Cathode-ray oscillograph. 2,633,553, Mar. 31.

Ruska, William E., Grosse Pointe Woods, Mich., assignor to The Budd Company, Philadelphia, Pa. Making plow bottom parts, particularly moldboards. 2,643,438, June 30.

Ruska, William E., Grosse Pointe Woods, Mich., assignor to The Budd Company, Philadelphia, Pa. Making plow bottom parts, particularly plowshares. 2,643,439, June 30.

Ruskin, Simon L.: *See*—
Bakst, Aaron, and Ruskin.

Ruskin, Simon L., New York, N. Y. Penicillin histidine. 2,625,543, Jan. 13.

Ruskin, Simon L., New York, assignor to Physiological Chemicals Company, New Rochelle, N. Y. Crystalline calcium ascorbate. 2,631,155, Mar. 10.

Ruskin, Simon L., New York, N. Y. Boron derivatives of ascorbic acid. 2,635,102, Apr. 14.

Rusko, Nicholas M.: *See*—
Scott, Robert J., and Rusko.

Rusler, George W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pilot. 2,634,391, Apr. 7.

Rusler, George W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic control apparatus for heating systems. 2,640,649, June 2.

Rusler, George W., Jr., and R. C. Burggren, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Variable limit switch assembly. 2,663,001, Dec. 15.

Rusnak, William: *See*—
Melnick, Samuel H., and Rusnak.

Rusnak, William, assignor to Afco-Lite Corporation, Chicago, Ill. Audible and visible alarm. 2,632,887, Mar. 24.

Rusoff, Irving I., East Orange, and J. L. Common, Rutherford, N. J., assignors to General Foods Corporation, New York, N. Y. Stabilized citrus oil and producing the same. 2,657,997, Nov. 3.

Ruspino, James G., Chicago, Ill., assignor to General Electric Company. Dishwashing machine. 2,648,588, Aug. 11.

Russ, John A., Verona, Pa. Animated dancing doll. 2,629,966, Mar. 3.

Russe, Laurence P.: *See*—
Taylor, George E., and Russe.

Russel, Philip S., Detroit, Mich. Draft responsive safety control for oil burners. 2,656,884, Oct. 27.

Russell, Alan W., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Forehearth burner block. 2,649,903, Aug. 25.

Russell, Alexander, assignor to The Forgrove Machinery Company Limited, Leeds, England. Wrapping machine. 2,643,501, June 30.

Russell, Alexander H., assignor to The Burns & Russell Company of Baltimore City, Baltimore, Md. Coating ceramic and masonry products. 2,657,153, Oct. 27.

Russell, Alva G.: *See*—
Rouan, Francis J., Hanson, and Russell.

Russell, Arthur G.: *See*—
Park, Robert H., Weller, Russell, and Booth.

Russell, Arthur O., M. G. Jones, and W. M. Watts, Fredericksburg, Va., assignors to American Viscose Corporation, Wilmington, Del. Device for feeding a continuous web. 2,653,023, Sept. 22.

Russell, Barrett B., III: *See*—
Thwaites, Herman L., and Russell.

Russell, Barrett B., 3rd, Elizabeth, and N. H. Rickles, Roselle Park, N. J., assignors to Standard Oil Development Company. Jet turbine engine fuel, including methanol and isopropanol. 2,662,817, Dec. 15.

Russell, Burdsall & Ward Bolt and Nut Company, assignee: *See*—
Gibney, Joseph W.

Russell, Carl D., assignor of five per cent to G. G. Pool, Muskogee, Okla. Refrigeration machine. 2,637,981, May 12.

Russell, Carl D., Muskogee, Okla. Garbage disposal unit. 2,655,966, Oct. 20.

Russell, Carl M.: *See*—
Horn, Henry J., and Russell.

Russell, Cecil R., Tulsa, Okla. Support for gar
and the like. 2,646,955, July 28.

Russell, Charles: *See*—
MacCullum, Alan M., and Russell.

Russell, Edward A.: *See*—
Gillick, Laurance H., Russell, and Kirkby.

Russell, Edward A., Chicago, and N. O. Kirkby,
assignors to Vapor Heating Corporation, Ch
Standby hot water heater for buses. 2,646,028

Russell, Edward J., Allentown, Pa., assignor
Powder Company. Treatment of penta
mother liquor. 2,651,662, Sept. 8.

Russell, Edward S., assignee: *See*—
Chancellor, William R.

Russell, Emil, Culver City, Calif. Spaghetti co
paratus. 2,650,536, Sept. 1.

Russell, F. C. Company, The, assignee: *See*—
Parsson, Leroy V.
Russell, Frank C., and Ensminger.
Russell, Frank C., and Porter.

Russell, Francis R., Montainside, N. J., assignor
ard Oil Development Company. Polymerizati
presence of a fluid solid polymerization
2,626,289, Jan. 20.

Russell, Francis S., Joliet, Ill., assignor to RCS
ing Corporation. Reciprocating saw blade wit
means. 2,646,094. July 21.

Russell, Frank C., and A. A. Ensminger, assigno
F. C. Russell Company, Cleveland, Ohio. Aw
struction. 2,647,291, Aug. 4.

Russell, Frank C., Cleveland, and C. W. Porter,
Village, assignors to The F. C. Russell Compa
land, Ohio. Apparatus for placing splines.
Oct. 6.

Russell, Frank J., Jr., Marquette, Mich. Metal fo
2,644,778, July 7.

Russell, Franklin G., assignee: *See*—
Peacock, George W., Sr.

Russell, Fred J., Beverly Hills, assignor, by mes
ments, to Loyola University Foundation, Los
Calif. Marking tool for locating strik
2,638,682, May 19.

Russell, Fred J., Beverly Hills, R. W. Dietrich,
G. B. Solovieff, South Gate, assignors, by mes
ments, to Loyola University Foundation, Los
Calif. Latch casing. 2,634,151, Apr. 7.

Russell, Fred J., Beverly Hills, R. W. Dietrich,
G. B. Solovieff, South Gate, assignors, by mes
ments, to Loyola University Foundation, Los
Calif. Latch with dead locking mechanism.
Oct. 20.

Russell, George F.: *See*—
Mann, Julius W., and Russell.

Russell, George L., Detroit, Mich. Manually
magnetic sweeper. 2,648,434, Aug. 11.

Russell, George L., Fair Haven, Mich. Basket
with stacking handles. 2,646,186, July 21.

Russell, Harold D., and G. M. Haist, assignors to
Kodak Company, Rochester, N. Y. Stabili
photographic developers. 2,625,475, Jan. 13.

Russell, Harry J., assignor to Baker & Co., Inc.,
N. J. Orthodontic appliance. 2,627,112, Feb.

Russell, Henry F., Quincy, Mass. Piano st
mounting. 2,648,245, Aug. 11.

Russell, Herbert H., assignor to The Greist Manu
Company, New Haven, Conn. Darning att
2,633,093, Mar. 31.

Russell, Herbert H., assignor to The Greist Ma
ing Company, New Haven, Conn. Buttonhol
ment for sewing machines. 2,649,063, Aug. 1

Russell, Herbert H., assignor to The Greist Manu
Company, New Haven, Conn. Blind stitch at
for sewing machines. 2,652,796, Sept. 22.

Russell, Herbert H., assignor to The Greist Manu
Company, New Haven, Conn. Faggoting at
for sewing machines. 2,657,656, Nov. 3.

Russell, Herbert H., assignor to The Greist Manu
Company, New Haven, Conn. Buttonhole at
for sewing machines. 2,660,138, Nov. 24.

Russell, Homer A., Portland, Oreg. Adjustable
device for mop or broom handles. 2,655,413,

Russell, Irving H., Oak Park, assignor to Slo
Company, Chicago, Ill. Flush valve operating
ment. 2,633,141, Mar. 31.

Russell, James B., Spokane, Wash. Aluminum a
taining mischmetal. 2,656,270, Oct. 20.

Russell, James L., Sun Valley, Calif., assignor t
Aviation Corporation, South Bend, Ind. Echo
measuring circuit. 2,642,562, June 16.

Russell, James L., and E. E. Herman, Washingt
Cathode-ray tube timing pulse generator for r
tems and the like. 2,639,425, May 19.

Russell, John D., Cranberry Township, Venango
Pa., assignor to Joy Manufacturing Company.
machine. 2,638,200, May 12.

Russell, John D., Los Angeles, Calif. Braking
2,648,413, Aug. 11.

Russell, John, J. L. Edmund, and S. A. Felker,
Oreg. Nonbendable yielding support vehicle
guards. 2,660,453, Nov. 24.

Russell, John K., North Hollywood, Calif. Univers
connection for lures. 2,663,963, Dec. 29.

Russell, John L., assignor to The Bristol Company, Waterbury, Conn. Synchronous contactor. 2,636,094, Apr. 21.

Russell, John R., Dayton, Ohio. Driven nut. 2,624,386, Jan. 6.

Russell, Kenneth F., assignor to H. H. Garner, Claremont, Calif. Assembling an air filter panel. 2,639,003, May 19.

Russell, Kenneth F., assignor to H. H. Garner, Claremont, Calif. Air cleaner for automotive vehicles. 2,655,221, Oct. 13.

Russell-Lacey Manufacturing Company, assignee: *See*—
Lacey, Edward D.
Williams, Willie V.

Russell, Leonard V., executor: *See*—
Wilton, Thomas O.

Russell, Lewis S., Portland, Oreg. Unloading means. 2,662,650, Dec. 15.

Russell, Linus E. assignor to Peters & Russell, Inc., Springfield, Ohio. Clamp means. 2,630,835, Mar. 10.

Russell Manufacturing Company, Incorporated, The, assignee: *See*—
Russell, Robert A.

Russell-Miller Milling Company, assignee: *See*—
Geckler, Ernest W., and Near.

Russell, Norman C., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Fluorescent light socket. 2,659,058, Nov. 10.

Russell, Obed M., Des Plaines, assignor to R. T. Moloney, Chicago, Ill. Mechanical pencil of the push-button type. 2,627,842, Feb. 10.

Russell, Peter B.: *See*—
Hitchings, George H., and Russell.
Hitchings, George H., Russell, and Falco.

Russell, Philip T., Mount Rainier, Md. Acoustical apparatus. 2,644,123, June 30.

Russell, Robert A., Alexander City, Ala., assignor to The Russell Manufacturing Company, Incorporated. Yarn carrier and adapter for package dyeing. 2,640,341, June 2.

Russell, Robert C., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve gear length compensation. 2,624,324, Jan. 6.

Russell, Robert C., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve operating mechanism. 2,642,048, June 16.

Russell, Robert C., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve operation compensating mechanism. 2,642,049, June 16.

Russell, Robert C., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve mechanism. 2,642,050, June 16.

Russell, Robert C., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Self-adjusting valve mechanism. 2,642,051, June 16.

Russell, Robert E., assignor to Frost Company, Kenosha, Wis. Waste fitting. 2,644,543, July 7.

Russell, Robert G., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for forming glass fibers. 2,634,553, Apr. 14.

Russell, Robert N., Gloversville, N. Y. Composition and method of its application to cotton glove fabric. 2,637,662, May 5.

Russell, Samuel A., III, Chicago, Ill., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Polypropylene benzene sulfonate detergent compositions containing tetrasodium pyrophosphate. 2,626,900, Jan. 27.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Pickup construction. 2,627,159, Feb. 3.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Side delivery rake. 2,629,223, Feb. 24.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Treating and harvesting of forage crops and the like. 2,639,553, May 26.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Safety wheel for balers or the like. 2,641,116, June 9.

Russell, Stanley D., Racine, Wis., assignor to J. I. Case Company. Belt tightener. 2,643,551, June 30.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Material elevator. 2,644,370, July 7.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baler conveying and feeding means. 2,658,323, Nov. 10.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baler. 2,660,949, Dec. 1.

Russell, William E.: *See*—
Creel, James E., and Russell.

Russell, William M.: *See*—
Morphy, Donal W., and Russell.

Russo, Dominick: *See*—
Cooke, Henry H., and Russo.

Russo, Frank P., Castro Valley, assignor of fifty-two one-hundredths to F. M. Ball & Co., Oakland, Calif. Overload release for pitter drive mechanism. 2,626,644, Jan. 27.

Russo, John S.: *See*—
Collar, Harlan W., Russo, and Minneman.

Russo, John S., Philadelphia, Pa., assignor to Radio Corporation of America. Frequency multiplier circuit. 2,664,510, Dec. 29.

Russo, Vincent J., and J. F. Les Veaux, Middleport, N. Y., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Bentonite sulfur. 2,664,379, Dec. 29.

Russum, Leonard W., Highland, and R. J. Hengstebeck, Valparaiso, Ind., assignors to Standard Oil Company, Chicago, Ill. Production of high alcohols by improved oxo process. 2,638,487, May 12.

Rust, Carl F.: *See*—
Clewell, Dayton H., and Rust.

Rust, David J., and J. H. Jensen, assignors to Ry-Lock Company, Ltd., San Leandro, Calif. Cam-acting tension device for frameless window screens. 2,625,995, Jan. 20.

Rust, David J., and J. H. Jensen, assignors to Ry-Lock Company, Ltd., San Leandro, Calif. Bracket unit for tension screens. 2,638,163, May 12.

Rust, Frederick F., Orinda, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Production of higher ketones. 2,650,253, Aug. 25.

Rust, John B.: *See*—
Hammer, Irving P., and Rust.
MacKenzie, Charles A., and Rust.

Rust, John B., East Hanover, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Copolymers, including siliconols and hydrogen bonded to silicon. 2,628,213, Feb. 10.

Rust, John B., East Hanover, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Copolymers containing hydrogen bonded directly to silicon. 2,637,718, May 5.

Rust, John B., East Hanover, N. J., and C. A. MacKenzie, New Orleans, La., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Oxygen and peroxide treatment of esters of inorganic silicon oxy acids. 2,625,520, Jan. 13.

Rust, John B., East Hanover, and H. V. Joy, assignors of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Acyloxy silanes. 2,634,285, Apr. 7.

Rust, John B., Verona, and W. B. Canfield, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Compositions comprising copolymers of vinylimides and unsaturated alkyd resins and making same. 2,650,207, Aug. 25.

Rust, John B., Montclair, and L. Spialter, Irvington, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Esters of silicic acids and making the same. 2,650,934, Sept. 1.

Rust, John D., Memphis, Tenn. Cotton picker spindle moistening apparatus. 2,637,156, May 5.

Rust, John D., Pine Bluff, Ark. Cotton stripping comb. 2,629,221, Feb. 24.

Rust, John D., Pine Bluff, Ark. Automatic slat-belt tightener for cotton-picking machines. 2,635,736, Apr. 21.

Rust, John D., Pine Bluff, Ark. Cotton picker with fluffer. 2,657,514, Nov. 3.

Rust, John D., Pine Bluff, Ark. Rotary cotton fluffer. 2,657,515, Nov. 3.

Rust, John D., Pine Bluff, Ark. Cotton picking spindle roughening means. 2,657,516, Nov. 3.

Rust, John D., Pine Bluff, Ark. Cotton harvester with retriever mechanism. 2,660,848, Dec. 1.

Rust, John D., Pine Bluff, Ark. Spindle moistener. 2,660,850, Dec. 1.

Rust, Leonard W., Sr., Hopewell, Va. Vacuum nursing bottle. 2,643,785, June 30.

Rust, Mack D., Coalinga, Calif. Cotton-picking machine. 2,652,676, Sept. 22.

Rust, Noël M., and J. F. Ramsay, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio horn. 2,650,985, Sept. 1.

Rusted, Edwin I.: *See*—
Landucci, Frank A., and Rusted.

Ruston & Hornsby Limited, assignee: *See*—
Feilden, Geoffrey B. R.
Feilden, Geoffrey B. R., and Wigg.

Ruston, John: *See*—
Smith, Harry R., and Ruston.

Rutbell, Clarence C., Endicott, and J. Lusht, Endwell, assignors to International Business Machines Corporation, New York, N. Y. Type forming machine. 2,654,317, Oct. 6.

Rutenber, Edwin A., assignor to Gibson Refrigerator Company, Greenville, Mich. Deep well cooker. 2,635,172, Apr. 14.

Ruth, Acquilla R., York, Pa. Method and apparatus for cleaning radiator tubes and the like. 2,653,420, Sept. 29.

Ruth, Arthur P., Houston, Tex. Pumping equipment. 2,633,081, Mar. 31.

Ruth, Charles W., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Material-handling apparatus. 2,662,792, Dec. 15.

Ruth, Howard M.: *See*—
Thompson, Oscar T., and Ruth.

Ruth, Marjorie I., assignee: *See*—
Hamilton, John.

Ruthberg, Stanley: *See*—
Gallagher, Charles J., and Ruthberg.

Rutherford, Charles E., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Machine and method for forming collapsible tubing. 2,636,541, Apr. 28.

Rutherford, Charles F., Philadelphia, S. C. Tease, Media, and H. L. Troxell, Jr., Narberth, assignors to High Vacuum Processes, Inc., Philadelphia, Pa. Simultaneous drumming and vacuum treating of skins. 2,662,805, Dec. 15.

Rutherford, Herbert E., Paterson, N. J. Battery connector. 2,648,053, Aug. 4.

Rutherford, John C., Hammondsport, N. Y. Vehicle mounted take-out plow. 2,660,104, Nov. 24.

Rutherford, Le Moyne M., Ypsilanti, Mich. Micrometer and attachment. 2,662,293, Dec. 15.

Rutherford, Victor S., East Cleveland, A. J. Hornfeck, Lyndhurst, and P. S. Dickey, East Cleveland, Ohio, assignors to Bailey Meter Company. Control system. 2,662,540, Dec. 15.

Ruthner, Othmar, Vienna, Austria. Separation of metals in powder form from their salt solutions. 2,657,989, Nov. 3.

Ruthven, William, Oak Park, assignor to Ajax Buff Company, Chicago, Ill. Buffing wheel. 2,636,324, Apr. 28.

Ruthven, William, Oak Park, assignor to Ajax Buff Company, Chicago, Ill. Buff. 2,663,125, Dec. 22.

Rutishauser, Arnold, Zollikon-Zurich, assignor to "Rapid" Motormäher A.-G., Zurich, Switzerland. Swivel plow for two-wheel tractors. 2,636,427, Apr. 28.

Rutishauser, Arnold, Zollikon (Zurich), assignor to "Rapid" Motormäher A.-G., Zurich, Switzerland. Coupling means for power take-offs. 2,636,568, Apr. 28.

Rutland, David F.: *See*—
Gilvarry, John J., and Rutland.

Rutledge, Carl M., Chicago, Ill. Collapsible cart. 2,628,108, Feb. 10.

Rutledge, Carl M., Ringwood, and F. Alter, Pistauqua Heights, assignors to American Steel Box Corporation, Chicago, Ill. Foldable golf bag carrier. 2,658,771, Nov. 10.

Rutledge, George E., Chicago, Ill., assignor to Munsingwear, Inc. Undergarment. 2,641,257, June 9.

Rutledge, George E., Chicago, Ill., assignor to Munsingwear, Inc., Minneapolis, Minn. Undergarment. 2,641,258, June 9.

Rutledge, Harry E., Pittsburgh, Pa. Pole hinge. 2,645,511, July 14.

Rutledge, Harry E., Pittsburgh, Pa. Floodlight having sealed beam lamps focused to form a specific light pattern. 2,645,705, July 14.

Rutten, Walter H., Plainfield, Ill. Rinser for diapers and other clothes. 2,635,448, Apr. 21.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk harrow. 2,663,132, Dec. 22.

Rutz, Charles D., San Diego, Calif. Three-dimensional checker or chess game board. 2,652,255, Sept. 15.

Rutz, William E., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Way construction for machine tools. 2,630,353, Mar. 3.

Ruze, John: *See*—
Hatkin, Leonard, and Ruze.

Ruzicka, Leopold, and P. Plattner, Zurich, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 14,15-oxides of the cyclopentanopolyhydrophenanthrene and polyhydrochrysene series. 2,656,349, Oct. 20.

Ruzicka, Leopold, and O. Jeger, Zurich, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparation of compounds with semicyclic double bond. 2,657,223, Oct. 27.

Ryals, John T., Unionville, Mo. Vertically-adjustable tree-felling tractor mounted saw. 2,661,035, Dec. 1.

Ryan, Albert O., Independence, Ky., assignor to Redding Manufacturing Company, Inc., Norwalk, Conn. Apparatus for the manufacture of threads or filaments. 2,627,084, Feb. 3.

Ryan Aeronautical Co., The, assignee: *See*—
Floersch, Bernard W.
Hubbell, Wilson G.
Vandermeer, Will.

Ryan, Beatrice Z., executrix: *See*—
Ryan, George F.

Ryan & Burke Machine Co., Inc., assignee: *See*—
Ryan, George F.

Ryan, Charles J., Medford, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical crystal unit. 2,642,486, June 16.

Ryan, Edmund J., Miami, Fla. Alcoholic beverages and method. 2,637,652, May 5.

Ryan, Edmund J., Miami, Fla. Polymerizing oxygen. 2,637,688, May 5.

Ryan, Francis B., Chariton, Iowa. Digging blade for ditching and cable laying machines. 2,632,265, Mar. 24.

Ryan, Francis B., Chariton, Iowa. Elevatable and tiltable ditching and cable laying machine. 2,647,758, Aug. 4.

Ryan, Francis B., Chariton, Iowa. Cutting blade for ditching and cable laying machines. 2,649,747, Aug. 25.

Ryan, George F., deceased, South Peabody, Mass.; B. Z. Ryan, executrix, assignor to Ryan & Burke Machine Co., Inc., Lynn, Mass. Collapsible last. 2,641,782, June 16.

Ryan, George R., Waukegan, Ill. Transfusion apparatus. 2,653,606, Sept. 29.

Ryan, George R., Waukegan, assignor to Abbot
tories, North Chicago, Ill. Venoclysis e
2,664,085, Dec. 29.

Ryan, Joe S., assignee: *See*—
Lloyd, Jack M., and Williamson.

Ryan, John J.: *See*—
Aldino, Charles J., and Ryan.

Ryan, Joseph D., and P. T. Mattimoe, assignors t
Owens-Ford Glass Company, Toledo, Ohio
screen. 2,636,420, Apr. 28.

Ryan, Joseph D., and P. T. Mattimoe, assignors t
Owens-Ford Glass Company, Toledo, Ohio.
for producing glare screens. 2,639,687, May

Ryan, Kelly, Equipment Company, assignee: *See*
Ryan, Kelly P.

Ryan, Kelly P., assignor to Kelly Ryan Equipm
pany, Blair, Nebr. Trailer with slidably remov
platform. 2,630,329, Mar. 3.

Ryan, Kelly P., assignor to Kelly Ryan Equipm
pany, Blair, Nebr. Disk harrow. 2,654,198,

Ryan, Kelly P., assignor to Kelly Ryan Equipm
pany, Blair, Nebr. Disk harrow gang and fr
nection. 2,660,014, Nov. 24.

Ryan, Martin A., Bartlesville, Okla., assignor t
Petroleum Company. Liquefied petroleum
system. 2,645,906, July 21.

Ryan, Norbert A.: *See*—
Ratcliffe, Fred A., Ryan, and Ford.

Ryan, Rhys E., New York, N. Y., and W. J. M
Perth Amboy, N. J., assignors to M. H. Tready
pany, Inc., New York, N. Y. Casting wheel.
Feb. 24.

Ryan, Russell T.: *See*—
Coffey, Charles A., Ryan, and Whitehill.

Ryan, W. E. T., assignee: *See*—
McGregor, George F.

Ryan, Walter M., assignor to M. J. Wittall Associ
Worcester, Mass. Pile fabric with a throu
back bind. 2,647,546, Aug. 4.

Ryan, William, Jr., and A. C. Ratermann,
County, Mo. Refrigeration system for deliver
2,636,356, Apr. 28.

Ryba, Anton, Bolzano, Italy. Electromagnetic
device for pumping fluids. 2,630,760, Mar. 1

Ryba, Anton, Bolzano, Italy. Electromagnetic
device for pumping fluids. 2,654,324, Oct. 6.

Ryba, Anton, Bolzano, Italy. Electromagnetic
device for pumping fluids. 2,659,310, Nov. 17

Ryckman, George E., Edgewood, assignor to Mille
Engineering Company, Swissvale, Pa. Stam
apparatus. 2,633,078, Mar. 31.

Ryckman, George E., Edgewood, assignor to Mill
Engineering Company, Swissvale, Pa. Machi
plying precious metal decorative bands to g
blers. 2,647,489, Aug. 4.

Rycroft, Robert W., El Monte, Calif., assignor t
Fire Prevention & Service, Toronto, Ontario.
Support for fire extinguishers. 2,646,243, Jul

Ryden, Carl E., Seattle, Wash. Hunter's belt.
Feb. 17.

Ryden, Harold S.: *See*—
Miller, Leslie L., and Ryden.

Ryden, Isabelle: *See*—
Julian, Percy L., Meyer, and Ryden.

Ryder, Elmer, Aurora, Ill. Carbon-free oper
internal-combustion engines. 2,638,882, May

Ryder, Irvin C., Arlington, Va. Compartmen
tainer. 2,640,623, June 2.

Ryder, John D.: *See*—
Boast, Warren B., and Ryder.

Ryder, Robert M., Summit, N. J., assignor to
phone Laboratories, Incorporated, New Yor
Two-way transistor electrical transmission
2,662,122, Dec. 8.

Ryder, Robert W., assignee: *See*—
Kurzbin, Karl R.

Rydin, Carl N., Warrenville, Ill. Mine coupler.
Oct. 20.

Rydmark, Josef A.: *See*—
Pedersen, Haakon O., and Rydmark.

Rydmark, Josef A., Lansdowne, and H. O. Pederse
delphia, Pa., assignors, by mesne assignment
United States of America as represented by the
of the Navy. Gas turbine power plant.
Feb. 17.

Rye, Olive, assignee: *See*—
Caustin, William, and Gustafson.

Ryerson, Theodore M., assignee: *See*—
Collins, Calhoun.

Rylander, John V., Detroit, Mich. Window
2,651,082, Sept. 8.

Ry-Lock Company, Ltd., assignee: *See*—
Rust, David J., and Jensen.

Ryman, Murray J., Baltimore, Md. Spring cush
2,630,586, Mar. 10.

Ryon, Eppa H., Pasadena, Calif. Floor furna
2,655,177, Oct. 13.

Rypinski, Albert B., Laurelton, assignor to Met
Device Corporation, Brooklyn, N. Y. Circuit c
2,632,827, Mar. 24.

Rypinski, Albert B., New York, assignor to Murr
facturing Corporation, Brooklyn, N. Y. Par
cover. 2,630,477, Mar. 3.

Rysdon, Max L., and R. C. Moyer, Sioux Falls, S. Dak., said Moyer assignor to said Rysdon. Hog feeder. 2,661,720, Dec. 8.
Rystan Company, Inc., assignee: *See*—
Rakieten, Morris L.
Ryzenga, Raymond H., Holland, Mich. Mechanical floor mat. 2,647,271, Aug. 4.
Ryznar, John W., La Grange Park, and M. A. Peich, assignors to National Aluminate Corporation, Chicago, Ill. Corrosion inhibiting compositions and method. Re. 23,740, Nov. 17.
Rzasa, Michael J., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. High-pressure windowed cell. 2,662,393, Dec. 15.
Rzepela, Stanley, Philadelphia, Pa. Fluid-sustained and jet-propelled airplane. 2,635,833, Apr. 21.
S. A. F. F. A. Societa Anonima Fabbriche Fiammiferi ed Affini, assignee: *See*—
Molla, Pietro.
S. A. G. A. Societa Applicazioni Gomma Antivibranti, assignee: *See*—
Signorini, Duilio.
S. A. Luigi Rizzi & C., assignee: *See*—
Gianoglio, Ermanno.
S. A. Societe Nationale de Constructions Aeronautiques du Sud-Est, assignee: *See*—
Renoux, Pierre E.
S. A. T. A. M. Societe Anonyme pour Tous Appareillages Mecaniques, assignee: *See*—
S-B Manufacturing Company, assignee: *See*—
Schulz, Alfred J.
S & C Electric Company, assignee: *See*—
Baker, Charles H.
Lindell, Sigurd I.
Lindell, Sigurd I., and Baker.
S. and F. Company, assignee: *See*—
Lee, Robert L.
S. I. F. E. M., assignee: *See*—
Tribalat, Suzanne M. F., and Bertclus.
SKF Industries, Inc., assignee: *See*—
Lovell, Louis R., and West.
Palmgren, Per G., and Brusca.
Palmgren, Per Gunnar, and Murray.
S & L Metal Products Company, assignee: *See*—
Stingl, Joseph.
S & S Corrugated Paper Machinery Co., Inc., assignee: *See*—
Roselius, Louis W.
Rullo, Gabriel N.
Shields, Albert F.
S & S Industries, assignee: *See*—
Schwartz, Herbert L.
S & S Manufacturing Company, assignee: *See*—
Stovall, Floyd I., and Symmonds.
S & S Vending Machine Co., assignee: *See*—
Koch, John C.
S. U. Carburetter Company Limited, The, assignee: *See*—
Morris, John N.
S & W Fine Foods, Inc., assignee: *See*—
Carroll, Ellsworth W., Edgemond, and Jespersen.
Doering, Willam A., and Koenig.
S. & W. Sewing Machine Attachment Co., assignee: *See*—
Seaman, Charles and E. L.
Seaman, Edward L.
Saacke, G. Rudolph, Brooklyn, assignor, by mesne assignments, to T. Hellig, Long Beach, N. Y. Aerosol dispenser and valve construction. 2,624,623, Jan. 6.
Saad, Theodore S., West Roxbury, Mass., assignor to Raytheon Manufacturing Company. Electric wave sampling device. 2,636,082, Apr. 21.
Saaf, Fritz A., Aurora, Ill., assignor to All-Steel Equipment Inc. Doorpost construction. 2,644,555, July 7.
Saaf, Fritz A., Aurora, Ill., assignor to All-Steel Equipment Inc. Desk or table top construction. 2,646,327, July 21.
Saalfrank, Royal Bartlett: *See*—
Sheen, Robert T., Saalfrank, and Welker.
Saalfrank, Royal B., Gulfport, Fla., assignor to Milton Roy Company, Philadelphia, Pa. Stroke adjustment device. 2,640,425, June 2.
Saarl, Frank E., Chicago, and G. V. W. Roth, Evanston, assignors to Monarch Equipment Co., Chicago, Ill. Sand trap cleanout. 2,638,369, May 12.
Saarl, Oliver E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Clamping device for electronic discharge devices. 2,662,220, Dec. 8.
Saaty, Theodore N., Providence, R. I. Fuel injecting device for internal-combustion engines. 2,646,976, July 28.
Saballus, Erwin: *See*—
Barnett, Harry, and Saballus.
Sabatino, Joseph, Dayton, Ohio. Carrying case for fishing rods. 2,640,622, June 2.
Sabatka, Winston E.: *See*—
Platt, Cort G., and Sabatka.
Sabaton, Louis, Saint-Pierre-sous-Aubenas, France. Double twist throwing spindle device. 2,638,732, May 19.
Sabee, Reinhardt N., Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Tissue interfolding method and apparatus. 2,626,145, Jan. 20.
Sabee, Reinhardt N., Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Delivery mechanism for tissue interfolding apparatus. 2,631,846, Mar. 17.
Sabee, Reinhardt N., Appleton, assignor to Paper Patents Company, Neenah, Wis. Journal bearing. 2,652,292, Sept. 15.
Sabel, Edward R., and C. R. Mayo, assignors to The Haloid Company, Rochester, N. Y. Developing device for electrostatic images. 2,635,046, Apr. 14.
Sabens, Florence M.: *See*—
Benjamin, Benjamin F., and Sabens.
Sabin, Eugene R., Kansas City, Mo., B. A. Andrews, Kansas City, Kans., and L. A. Shontz, Jr., assignors to The Vendo Company, Kansas City, Mo. Gum vending machine. 2,637,610, May 5.
Sabin, Harold A., Jr., Portland, Maine. Chimney cap. 2,660,105, Nov. 24.
Sabin, Luverne E.: *See*—
Sabin, Walter E. and L. E.
Sabin, Walter E. and L. E., Dolliver, Iowa. Fence post driver and puller. 2,657,010, Oct. 27.
Sablé, André, Marseille, assignor to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Method and apparatus for the manufacture of alumina. 2,659,660, Nov. 17.
Sablé, André, Marseille, assignor to Societe d'Electro Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Precipitating solid particles from a suspension of the particles in a liquor. 2,664,349, Dec. 29.
Sabol, John T.: *See*—
Body, Alfred C., and Sabol.
Sacchetti, Nicholas, Upper Darby, Pa. Shoulder press machine. 2,655,294, Oct. 13.
Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Liquid spurt producing apparatus. 2,634,166, Apr. 7.
Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Check valve with plug mating a flanged nonmetallic sealing element. 2,653,792, Sept. 29.
Sacco, James, Saugus, Mass. Metal tank. 2,632,577, Mar. 24.
Sachanen, Alexander N.: *See*—
Coonradt, Harry L., Rope, and Sachanen.
Sachs, Aaron, assignee: *See*—
Watson, Coleman H.
Sachs, Carrol C., North Hollywood, and J. Bond, assignors to Alexander H. Kerr and Company, Incorporated, Los Angeles, Calif. Photopolymerization process and compositions. 2,641,576, June 9.
Sachs, Hans W., Binghamton, N. Y. Backwater valve. 2,630,586, Mar. 10.
Sachse, William E., Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Automatic filling scale. 2,626,121, Jan. 20.
Sachsse, Hans, Kelheim/Donau, T. Kosbahn, Heidelberg-Rohrbach, and E. Lehrer, Bad Duerkheim, Germany. Production of acetylene by incomplete combustion of hydrocarbons. 2,630,461, Mar. 3.
Sachsse, Hans, Kelheim, Danube, T. Kosbahn, Heidelberg-Rohrbach, and E. Lehrer, Bad Duerkheim, assignors to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen (Rhine), Germany. Production of acetylene by incomplete combustion of hydrocarbons. 2,664,450, Dec. 29.
Sachtleben, Lawrence T.: *See*—
Kellogg, Edward W., Sachtleben, and Price.
Sack, Henri S.: *See*—
Trischka, John W., and Sack.
Sacker, Stanley H., New Orleans, La. Home coffee brewing apparatus. 2,654,306, Oct. 6.
Sackett, A. J., & Sons Company, The, assignee: *See*—
Sackett, Walter J.
Sackett, Walter J., assignor to The A. J. Sackett & Sons Company, Baltimore, Md. Delivery for pulverized material. 2,628,724, Feb. 17.
Sacklyn, Vincent N.: *See*—
Beacom, Edward A., Sacklyn, and Talamanco.
Sackner Products, Inc., assignee: *See*—
Cook, Wayne S.
Cook, Wayne S., and Robinson.
Sackville, William, United States Army, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Detecting invisible and nonradiating objects. 2,631,490, Mar. 17.
Saco-Lowell Shops, assignee: *See*—
Burnham, Virgil A.
Curley, Robert S., and Richardson.
Gwaltney, Eugene C.
Tarbox, Philip B., and Anderson.
Sacra, Charles F., Alton, Ill., assignor to Shell Development Company, Emeryville, Calif. Dewaxing mineral oil. 2,654,693, Oct. 6.
Sacramento Pipe Works, assignee: *See*—
Taylor, Robert H.
Sacrey, Elmer P., assignor to Porter-Cable Machine Company, Syracuse, N. Y. Template for lock plate mortises. 2,651,847, Sept. 15.
Sacrey, Elmer P., deceased, Syracuse, N. Y., assignor to C. C. Brown, Jr., executor. Templet and supporting frame for locating hinge butt recesses in doors and doorframes. 2,660,803, Dec. 1.

Sader, Louis A., Grosse Pointe Park, and J. Cucuro, Detroit, Mich. Nibble indicator for use on fishlines. 2,634,538, Apr. 14.
Sadler, Cecil J., Rose Bay, near Sydney, New South Wales, Australia. Mechanism for numerically grouping booklets and the like. 2,660,101, Nov. 24.
Sadler, Francis A. D., assignor to Girling Limited, Birmingham, England. Means for setting or testing hydraulic shock absorbers. 2,638,777, May 19.
Sadler, Walter W., Davis, Calif. Volumetric gas analyzers and control devices. 2,635,038, Apr. 14.
Sadowsky, Meier, Elkins Park, Pa., assignor to Radio Corporation of America. Applying films on cathode-ray screens. 2,644,770, July 7.
Sadowsky, Meier, Lancaster, Pa., assignor to Radio Corporation of America. Manufacturing a reflective fluorescent screen. 2,625,493, Jan. 13.
Sadtler, Philip B., South Norwalk, Conn., assignor of one-half to H. M. Hunter, Brooklyn, N. Y., and one-half to G. D. Dickey, Ridgewood, N. J. Apparatus for evaporation. 2,651,356, Sept. 8.
Saecker, Carleton E.: *See*—
Jung, Werner D., and Saecker.
Saecker, Margaret L., West Englewood, N. J. Bookholder. 2,627,694, Feb. 10.
Saeks, Reuben R.: *See*—
Carson, Richard M., and Saeks.
Saemann, Franklin I.: *See*—
Grindle, Charles R., and Saemann.
Saemann, Franklin I., Warsaw, Ind. Pneumatic tourniquet. 2,660,174, Nov. 24.
Saeurefabrik Schweizerhall, assignee: *See*—
Frey, Walter.
Saladin, Otto, Schornstein, and Frey.
Weber, Robert, and Frey.
Safeguard Corporation, assignee: *See*—
Whitaker, John.
Safe Padlock and Hardware Company, The, assignee: *See*—
Hagstrom, Gotthard.
Safety Car Heating and Lighting Company, Inc., The, assignee: *See*—
Dodds, Robert B.
Dodds, Robert B., and Hibbs.
Dodds, Robert B., Hibbs, and Napier.
Elmendorf, Arthur R.
Strobell, John D.
Safety Crank Company, The, assignee: *See*—
Cole, Mark H.
Safety Precisions Limited, assignee: *See*—
Holt, Eugene.
Safeway Stores, Incorporated, assignee: *See*—
Sneed, Robert C., and Jordan.
Saffel, Donald E., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Anodizing rack. 2,654,707, Oct. 6.
Saffell, James G., assignee: *See*—
Munch, Louis E.
Saffert, George J., New Ulm, Minn. Apparatus for producing ventilated staves or blocks. 2,640,248, June 2.
Safflotti, Ralph P., Valley Stream, N. Y. Portable floor cleaning device with sponge covered cleaning roller. 2,642,601, June 23.
Saffir, Jacob A., Forest Hills, N. Y. Hypodermic injection device. 2,628,615, Feb. 17.
Safford, Hurd W.: *See*—
Melnick, Laben M., Safford, and Silverman.
Safford, Robert V.: *See*—
Reichl, Eric H., and Safford.
Saffores, Raoul: *See*—
Muller, Frederic A., and Saffores.
Safian, S. J., assignee: *See*—
Fyke, Russell W.
Safir, Sidney R., River Edge, N. J., assignor to American Cyanamid Company, New York, N. Y. N-acetylpyrazinecarboxamide and preparing the same. 2,632,009, Mar. 17.
Safka, William A.: *See*—
Von Stackelberg, Yurgen S., and Safka.
Sagady, Calman S., Ecorse, assignor to Bendix Aviation Corporation, Detroit, Mich. Leak valve. 2,658,519, Nov. 10.
Sage, Bruce H., and W. N. Lacey, Altadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Propellant powder grain for rocket motors. 2,628,561, Feb. 17.
Sage, Luther W., Grundy, Va. Combination pressure and cost computing gauge attachment. 2,638,866, May 19.
Sage, Richard W., Fanwood, and L. A. Jennings, Mountainside, N. J., assignors to Standard Oil Development Company. Stabilizer for residual oils. 2,659,666, Nov. 17.
Sager, Irving, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Gas tube protector circuit. 2,642,552, June 16.
Saginaw Wire Products, Inc., assignee: *See*—
Klemm, Edwin O.
Sagner, Walter T., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Keyboard controlled margin stop adjustment. 2,633,964, Apr. 7.
Sagner, Walter T., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Carriage drive power control. 2,647,609, Aug. 4.
Sagner, Walter T., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Tabulating mechanism for typewriters and like machine 2,646,083, July 21.
Sahli, Ernst A., Zurich, Switzerland, assign S.-A., Tangier, Morocco. Shock-damp 2,646,083, July 21.
Sahlin, Eric A., Harrington Park, N. J., assi Elevator Company, New York, N. Y. Safe for elevators. 2,646,858, July 28.
Sailer, Norris H.: *See*—
Turner, Edgar P., and Sailer.
Sailer, Norris H., Union, assignor to The S facturing Company, Elizabeth, N. J. Low drag cup motor. 2,653,257, Sept. 22.
Sailors, Howard R.: *See*—
Widdowson, John H., and Sailors.
Sailors, Howard R., Bartlesville, Okla., Phillips Petroleum Company. Removal sulfide. 2,624,694, Jan. 6.
St. Aubin, Arthur P., Yakima, Wash. Combi and back rest. 2,624,397, Jan. 6.
St. Clair, Charles W., assignor to The Coe ing Company, Painesville, Ohio. Strainer-e densation drainer. 2,636,506, Apr. 28.
St. Clair, Charles W., assignor to The Coe M Company, Painesville, Ohio. Thermost condensation drainer. 2,652,980, Sept. 22.
St. Clair, Theodore A.: *See*—
Arey, Alton L., and St. Clair.
Johnson, Andrew G., and St. Clair.
Seefluth, Charles L., and St. Clair.
St. Clair, Theodore A., South Euclid, Ohio, Phillips Petroleum Company. Automatic 2,638,924, May 19.
St. Clair, Theodore A., assignor to The Weath pany, Cleveland, Ohio. Multiple valv 2,625,016, Jan. 13.
St. Clair, Theodore A., South Euclid, assig Weatherhead Company, Cleveland, Ohio regulator. 2,653,793, Sept. 29.
St. Germain, Agenor E., Haverhill, Mass. A shoe manufacture. 2,663,884, Dec. 29.
St. Jean, Robert R.: *See*—
Vastano, Frederick A., Erickson, and St.
St. John & Co., assignee: *See*—
Ristow, John R.
St. John, Dale E., Long Beach, assignor Aircraft, Inc., Hawthorne, Calif. High-s tator. 2,658,142, Nov. 3.
St. John, George E., Palmdale, Calif. Au ejector. 2,655,569, Oct. 13.
St. John, Howard E., assignee: *See*—
Van Dyk, John C.
St. John, Laura P., assignee: *See*—
Van Dyk, John C.
St. John, Norman P., Jacksonville, Fla. Att end portions of soft fold collars. 2,659,89
St. John, Roscoe N., and K. E. Goldsberry, ass Coleman Company, Inc., Wichita, Kans. burner. 2,625,214, Jan. 13.
St. John, Vincent J., Brecksville, Ohio. C holder. 2,629,612, Feb. 24.
St. John, Willard M., Jr., Borger, Tex., assign Petroleum Company. Pentadiene polymers additives. 2,638,461, May 12.
St. Laurence, Ernest J., Minneapolis, Minn trolled beverage dispensing apparatus. Feb. 3.
St. Louis, James A., Cleveland Heights, and frett, Willoughby, Ohio, assignor to Gen Company. High-pressure discharge lamp Nov. 24.
St. Martin, Laura C., assignor of one-sixth t chant, and one-sixth to H. M. Merchant, Minn. Bed construction. 2,633,581, Apr. 7
Saint-Maurice, Henri, assignor to Etablis Saint-Maurice & Cie, Societe a Responsabi Paris, France. Sectional article of furniture July 7.
St. Palley, Zoltan O., Branford, Conn. Cabl ter. 2,642,651, June 23.
St. Petery, Louis B., and W. B. Howard, Jack and C. F. Fischer, U. S. Navy. Fluid di paratus. 2,630,347, Mar. 3.
St. Pierre, Eugene, assignor to Hemphill Co tucket, R. I. Knitting. 2,625,807, Jan. 2
St. Pierre, Eugene, Pawtucket, assignor to He pany, Central Falls, R. I. Sinker and me transferring. 2,626,512, Jan. 27.
St. Pierre, Eugene, Pawtucket, assignor to He pany, Central Falls, R. I. Knitting needle bit. 2,626,515, Jan. 27.
St. Pierre, Eugene, assignor to Hemphill Co tucket, R. I. Knitting. 2,635,441, Apr. 21
St. Pierre, Eugene, Pawtucket, and J. Wawzo Falls, assignors to Hemphill Company, Paw Stop motion. 2,636,367, Apr. 28.
St. Pierre, Eugene, Pawtucket, assignor Company, Central Falls, R. I. Pattern 2,643,533, June 30.
St. Pierre, Eugene, Pawtucket, assignor to He pany, Central Falls, R. I. Transferring loo needles to cylinder needles. 2,657,560, No

St. Pierre, Paul L., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Transferring loops from dial needles to cylinder needles. 2,635,440, Apr. 21.
St. Pierre, Paul L., assignor to Hemphill Company, Pawtucket, R. I. Knitting. 2,651,929, Sept. 15.
St. Regis Paper Company, assignee: *See*—
Burroughs, Edwin E.
Clary, George H.
Gramegna, Franco.
Hartman, Carl H.
Hartman, Carl H., Peterson, and Griswold.
Linda, Frank R.
Moldt, Verne G.
Perkins, Rae C.
Trautschold, Reginald.
Zonner, William A.
St. Thomas Inc., assignee: *See*—
Weydener, Otto, and St. Thomas.
St. Thomas, William H.: *See*—
Weydener, Otto, and St. Thomas.
Saitta, Joseph J., Oxnard, Calif. Shoe. 2,634,515, Apr. 14.
Saives, Léon, assignor to Regie Nationale des Usines Renault, Billancourt, France. Machine tool carrier. 2,630,724, Mar. 10.
Sakal, Emile H., Massapequa, assignor to Warner-Hudnut, Inc., New York, N. Y. Products having physostigmine-like action. 2,662,890, Dec. 15.
Sakirsky, Jack, Bridgeport, Conn., assignor to J. B. Lew, Brooklyn, N. Y. Lighting outfit subassembly machine. 2,624,101, Jan. 6.
Sakren, Benjamin, Miami, Fla. Removable tooth file. 2,637,097, May 5.
Saks, David, Baltimore, Md. Toy telephone with music device. 2,633,769, Apr. 7.
Salač, Václav, assignor to Ceskoslovenske pivovary, lihovary a Konservarny, narodni podnik, Prague, Czechoslovakia. Preparing hops by catalytic isomerization of humulon. 2,647,837, Aug. 4.
Saladin, Otto, Schweizerhalle, W. Schornstein, Arlesheim, and W. Frey, Basel, assignors to Saeurefabrik Schweizerhall, Schweizerhalle Baselland, Switzerland. Recovering metallic oxides. 2,657,979, Nov. 3.
Salas, Joseph F., Detroit, Mich. Magazine unloading device for bolt action firearms. 2,655,753, Oct. 20.
Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Sulfonated phenol formaldehyde condensation product and making same. 2,639,274, May 19.
Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling mud. 2,649,414, Aug. 18.
Salauze, Jean, Paris, assignor to Societe des Accumulateurs Fixes et de Traction, Romainville, France. Negative electrode for alkaline storage batteries and manufacturing the same. 2,643,276, June 23.
Salb, Elizabeth, administratrix: *See*—
Salb, Oscar G.
Salb, Oscar G., deceased, Indianapolis, Ind.: by E. Salb, administratrix, assignor to Injectables Research Corporation, Indianapolis, Ind. Long-acting morphine injection. 2,625,501, Jan. 13.
Salditt, Ferdinand, Neuwied (Rhine), Germany, assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Apparatus for making adhesive tape. 2,646,771, July 28.
Salditt, Ferdinand, Neuwied (Rhine), Germany, assignor to The Scholl Mfg. Co. Inc., Chicago, Ill. Polyvinyl ether adhesive substance for plaster coatings and making the same. 2,647,100, July 28.
Salemink, Cornelis A.: *See*—
Kögl, Fritz, and Salemink.
Salerno, Anthony: *See*—
Seary, Eugene, and Salerno.
Sales, Charles M., Seymour, Iowa. Hoist. 2,643,856, June 30.
Sales, Charles M., Seymour, Iowa. Hoist. 2,648,521, Aug. 11.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package sealing dies having resilient facing strip. 2,624,992, Jan. 13.
Salfisberg, Leroy L., deceased, South Orange, N. J., by H. G. Kopald, New York, N. Y., and L. I. Volckening, Glen Ridge, executors, assignors to Ivers-Lee Company, Newark, N. J. Sealed package. 2,654,471, Oct. 6.
Salfisberg, Leroy L., deceased, South Orange, N. J., (by H. G. Kopald, New York, N. Y., and L. I. Volckening, Glen Ridge, N. J., executors), and E. J. David, Hillside, assignors to Ivers-Lee Company, Newark, N. J. Machine for packaging odd-shaped products. 2,653,434, Sept. 29.
Salgues, Albert, Paris, France. Wobbling disk pump. 2,636,444, Apr. 28.
Salido, Juan G., Central Preston, Cuba. Hoist shovel. 2,644,253, July 7.
Salientes, Manuel, assignee: *See*—
Varona, Eulalio M., Oscar B., and Olivio B.
Sallerno, Vincent, Belleville, N. J. Spectacle frame. 2,655,835, Oct. 20.
Salliger, Hilde, assignee: *See*—
Burkert, Franz.
Sallsbury, Peter F., Los Angeles, Calif. Blood transfer apparatus. 2,625,932, Jan. 20.
Sallsbury, Peter F., Beverly Hills, Calif. Blood transfer mechanism. 2,625,933, Jan. 20.
Salisbury, Raymond R., assignor of one-half to H. S. Nixon, Ann Arbor, Mich. Extension ladder. 2,636,659, Apr. 28.
Salisbury, William S., San Francisco, Calif. Locking seal for vehicle license plates. 2,661,558, Dec. 8.
Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Super high-frequency electromagnetic wave generator. 2,634,372, Apr. 7.
Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Variable frequency cyclotron. 2,659,000. Nov. 10.
Salivar, Charles J.: *See*—
Goett, Edward J., Macdonough, and Salivar.
Salkey, Sidney, Bronx, N. Y. Container for crayons and the like. 2,637,299, May 5.
Salkin, Ralph, Jackson Heights, assignor to S. B. Penick and Company, New York, N. Y. Water-soluble hormone compounds. 2,636,042, Apr. 21.
Sallac, Harry C., Salisbury, Md. Container for foodstuff. 2,630,154, Mar. 3.
Sallan, David: *See*—
Levine, Charles, and Sallan.
Salm, Hans, Munich, Germany. Instrument for closing the urethra. 2,649,854, Aug. 25.
Salmi, Leo W., Detroit, Mich. Baseball practicing apparatus. 2,633,320, Mar. 31.
Salminen, Ilmari F., and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Ultraviolet filter on photographic layers. 2,632,701, Mar. 24.
Salmon, Leonard M., McAllen, Tex. Whirling flame spinner. 2,653,655, Sept. 29.
Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Printing telegraph apparatus. 2,655,555, Oct. 13.
Salmonson, Sven, Stockholm, Sweden. Paper roll holder. 2,661,165, Dec. 1.
Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Translucent paper base. 2,635,970, Apr. 21.
Salokar, Andrew W., Miami, Fla. Animal trap. 2,648,930, Aug. 18.
Salomon, François M. M. B., Paris, France. Torque converter. 2,636,395, Apr. 28.
Salomone, Rynold A., and C. B. Turton, Plainville, Conn., assignors, by mesne assignments, to General Electric Company. Feed-in and junction box for bus bar duct systems. 2,628,997, Feb. 17.
Salomonsson, Sven G., assignor to Aktiebolaget Fire Armaturfabrik, Sibbhult, Sweden. Washing-up machine. 2,661,240, Dec. 1.
Salsbury Corporation, assignee: *See*—
Thostenson, Lewis D.
Salsbury's, Dr., Laboratories, assignee: *See*—
Morehouse, Neal F., and McGuire.
Salter, Frank S., Parkstone, Poole, assignor to The Loewy Engineering Company Limited, London, England. Rolling mill for rings. 2,636,406, Apr. 28.
Salter, Robert M., Jr., Santa Monica, Calif. Ramjet engine having inlet cone diffuser automatically adjustable as to length and cone angle. 2,638,738, May 19.
Salter, William J., Wheatridge, Colo. Automatic vehicle operated gravity closure. 2,627,130, Feb. 3.
Salton, Lewis L., assignee: *See*—
Mysels, Karol J.
Saltzman, Abraham: *See*—
Rosenak, Stephan S., and Saltzman.
Salvaneschi, Pino, Broni, Italy. Apparatus for the continuous production of cement-fiber sheets. 2,644,373, July 7.
Salvin, Victor S.: *See*—
Adams, John R., Jr., and Salvin.
Seymour, George W., and Salvin.
Salvin, Victor S., Irvington, N. J., assignor to Celanese Corporation of America, New York, N. Y. Treatment with alcoholic solution to complete coupling of azo dyes in cellulose acetate textile material. 2,643,175, June 23.
Salvin, Victor S., Irvington, and E. F. Landau, Newark, N. J., assignors to Celanese Corporation of America, New York, N. Y. Preparing hydroxyalkylthio anthraquinones. 2,640,059, May 26.
Salvin, Victor S., Irvington, and E. F. Landau, Morristown, N. J., assignors to Celanese Corporation of America, New York, N. Y. β-hydroxyethyl-thio-anthraquinones. 2,640,060, May 26.
Salz, Max, New York, N. Y. Electric razor. 2,661,532, Dec. 8.
Salzberg, Bernard: *See*—
Miller, John M., and Salzberg.
Salzer, Erwin, Brookline, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cross air blast circuit breaker. 2,629,798, Feb. 24.
Salzer, Frank J., Chicago, Ill. Enclosed swinging concealed head lamp. 2,636,111, Apr. 21.
Salzer, Martin: *See*—
Hampton, Leon N., and Salzer.
Salzman, Charles F., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Multiple range recorder. 2,661,260, Dec. 1.
Salzman, Harry E., Bronx, N. Y. Fitting for flush tanks. 2,651,050, Sept. 8.
Sam, Sam W., Chicago, Ill. Cutting surface for wire. 2,633,681, Apr. 7.
Sam, Sam W., Chicago, Ill. Fishing device. 2,648,928, Aug. 18.

Samaras, Stephen, assignor to Samaras Valve Corporation, Oakland, Calif. Float valve structure. 2,663,311, Dec. 22.
Samaras Valve Corporation, assignee: *See*—
Samaras, Stephen.
Samborski, Thaddeus J., Brooklyn, N. Y. Gauging or trueing instrument. 2,635,345, Apr. 21.
Sambrook, Earl J.: *See*—
Echlin, John E., Nordberg, and Sambrook.
Samcoe Holding Corporation, assignee: *See*—
Cohn, Samuel, and Walter.
Cohn, Samuel, Walter, and Cohn.
Samiran, David, Dayton, Ohio. Multiple fuel tank servicing system for aircraft. 2,661,761, Dec. 8.
Samjran, David, Fort Wayne, Ind. Nozzle for fuel servicing system for aircraft. 2,649,109, Aug. 18.
Samko, John, Jr.: *See*—
Horn, Edward N., and Samko.
Samler, Lee F., Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Press loading and unloading apparatus. 2,656,047, Oct. 20.
Samler, Lee F., Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Apparatus for loading and unloading laminating presses. 2,656,048, Oct. 20.
Samler, Lee F., Baltimore, and A. L. Genovese, assignors to The National Plastic Products Company, Odenton, Md. Free spinning cap assembly. 2,647,704, Aug. 4.
Sammarco, James D., assignee: *See*—
Miller, Naomi L.
Sammer, Rudolph, assignor of one-half to T. Johnson, Harrisonville, Mo., and one-half to W. A. Harrison. Mounting unit for corn picker elevators. 2,650,723, Sept. 1.
Sammis, Herbert A., Huntington, N. Y. Pivoted side bars for mill wagons. 2,644,715, July 7.
Sammons, Herbert, Gerrards Cross, assignor to D. Napier & Son Limited, London, England. Internal-combusttion turbine power plant. 2,638,740, May 19.
Sammons, Herbert, Gerrards Cross, assignor to D. Napier & Son Limited, London, England. Reciprocating internal-combustion engine operating on the two-stroke cycle with exhaust turbine. 2,645,897, July 21.
Samolewitz, Hans W., assignor to Margon Corporation, Bayonne, N. J. Transparent doll eye. 2,657,500, Nov. 3.
Samolis, Alphonse A.: *See*—
Binks, Melvin J., and Samolis.
Sample, James H., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Styrene-copolymer and producing the same. 2,650,907, Sept. 1.
Sampson, Frederick S., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Panel mounted electrical strip connection. 2,631,184, Mar. 10.
Sampson, Frederick W.: *See*—
Harris, Edward P., and Sampson.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making universal joints. 2,628,416, Feb. 17.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Swage rifling method. 2,641,822, June 16.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Molded decorative steering wheel. 2,657,589, Nov. 3.
Sampson, Herman J.: *See*—
Garnahan, James E., and Sampson.
Sampson, James W., and C. M. Champion, Sheridan, Wyo. Diaper washing apparatus. 2,652,711, Sept. 22.
Sampson, Julian E., St. Louis, Mo. Safety pin. 2,625,724, Jan. 20.
Sampson, Julian E., St. Louis, Mo. Pin fastener. 2,625,725, Jan. 20.
Sampson, Merritt B.: *See*—
Rose, Howard E., and Sampson.
Sampson, Robert W., New York, N. Y., and W. E. Montgomery, Wilmington, Del., assignors to American Car and Foundry Company, New York, N. Y. Bed and seat structure. 2,641,201, June 9.
Samsing, Rolf A., assignor to Carton Engineering Corporation, Braintree, Mass. Apparatus for setting up box blanks. 2,626,545, Jan. 27.
Samsky, Abraham and E. A., Detroit, Mich. Shoulder support for telephone hand sets. 2,640,111, May 26.
Samsky, Abraham, and H. M. Houseman, Detroit, Mich. Adjustable headrest. 2,652,101, Sept. 15.
Samsky, Esther A.: *See*—
Samsky, Abraham and E. A.
Samson, Rene, Westmount, Quebec, Canada. Fork construction. 2,637,104, May 5.
Samuel, Arthur L., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Glow transfer trigger-switch. 2,662,200, Dec. 8.
Samuels, Benjamin L., and O. Doster, assignors to Reliable Plastics Co., Limited, Toronto, Ontario, Canada. Doll eyes. 2,662,340, Dec. 15.
Samuels, Martin L., assignor to Reflector Hardware Corporation, Chicago, Ill. Length adjusting and attaching bracket. 2,642,249, June 16.
Samuels, Stephen J., Nelson, New Zealand. Means for recording the order of finishing in contests. 2,646,558, July 21.
Samuelsen, Beatrice L., Ketchikan, Alaska. [illegible] tachment for electric food mixers. 2,652,23[illegible]
Samuelson, David H., Lyndhurst, assignor to T[illegible] Screw & Manufacturing Company, Clevel[illegible] Apparatus for checking recesses in recessed h[illegible] 2,632,955, Mar. 31.
Samuelson, Robert E.: *See*—
Howard, Roscoe D., and Samuelson.
Samuelson, Robert E., Chicago, Ill., assign[illegible] Hallicrafters Co. Radio receiver. 2,658,1[illegible]
Samuelson, Wallace H. E., assignor to Selecti[illegible] Carlisle, Pa. Mounting thickness shear m[illegible] crystal oscillator plates. 2,641,718, June [illegible]
Sanabria, Ulises A., W. G. Taylor, and E. L[illegible] assignors to American Television, Inc., C[illegible] Luminescent screen for cathode-ray tubes. [illegible] Apr. 7.
Sanborn Company, assignee: *See*—
Miller, Arthur.
Sanborn, William L., Whitefish Bay, Wis. Mu[illegible] 2,655,110, Oct. 13.
Sanchez, Ygnacio L.: *See*—
McCallick, William P., and Sanchez.
Sand, Albert: *See*—
Jansö, Arvid, and Sand.
Sand, John F.: *See*—
Kuehn, Herman, and Sand.
Prestinari, Eugen F., and Sand.
Sand, John F., Newark, assignor to Gemc[illegible] Union, N. J. Expansible bracelet. 2,636,3[illegible]
Sandahl, Sigurd: *See*—
Gothberg, Karl E. A., and Sandahl.
Sandberg, Nels H., and H. O. Ronning, Minn[illegible] signors to Waldorf Paper Products Compar[illegible] Minn. Sheet tearing device. 2,639,772, M[illegible]
Sandberg, Nicolay B., Oslo, Norway. Electri[illegible] steam-bath stove. 2,654,018, Sept. 29.
Sandberg, Olger H., assignee: *See*—
Maxfield, Darel L., and Rue.
Sandberg, Oscar, Toledo, Ohio, assignor to [illegible] poration, Anderson, Ind. Apparatus for c[illegible] veyers. 2,632,561, Mar. 24.
Sandberg, Oscar, Toledo, Ohio, assignor to L[illegible] ration, Anderson, Ind. Package wrappi[illegible] 2,642,707, June 23.
Sandberg, Oscar, Toledo, Ohio, assignor to [illegible] poration, Anderson, Ind. Article feed[illegible] 2,649,951, Aug. 25.
Sandberg, Oscar, Toledo, Ohio, assignor to [illegible] poration, Anderson, Ind. Article handling[illegible] 2,653,433, Sept. 29.
Sandberg, Ray A., Waukegan, Ill., assignor t[illegible] Hershey Corporation, Detroit, Mich. Bu[illegible] 2,626,827, Jan. 27.
Sandberg, Ray A., Waukegan, Ill., assignor t[illegible] Hershey Corporation, Detroit, Mich. S[illegible] brake lever structure. 2,631,470, Mar. 17.
Sandberg, Ray A., Waukegan, assignor t[illegible] Hershey Corporation, North Chicago, Ill. [illegible] brake lever assembly. 2,632,338, Mar. 24.
Sandberg, Ray A., Waukegan, assignor t[illegible] Hershey Corporation, North Chicago, Il[illegible] change panel and its manufacture. 2,660,[illegible]
Sandberg, Ray A., Waukegan, Ill., assignor t[illegible] Hershey Corporation, Detroit, Mich. Hea[illegible] 2,661,191, Dec. 1.
Sandberg, Robert W., assignor to The Nation[illegible] ister Company, Dayton, Ohio. Manifold [illegible] a crush-resistant transfer film. 2,655,45[illegible]
Sandefur, Leon H., Des Moines, Iowa. Means[illegible] ing liquid level measuring sticks. 2,628,49[illegible]
Sandegren, Knut E.: *See*—
Groth, Kjell J. I., Helisten, and Sandegr[illegible] Nilsson, Tore R., and Sandegren.
Sandelin, Olle E., Cleveland, Ohio. Fib[illegible] 2,659,936, Nov. 24.
Sander, Howard H., Laramie, Wyo., assigno[illegible] to N. Camenker, Duluth, Minn. Tool [illegible] bottle caps and recrimping the caps in an [illegible] 2,641,397, June 9.
Sanders, Birdie C., Kalamazoo, Mich. Sh[illegible] shield. 2,633,573, Apr. 7.
Sanders, Charles E., Needham, and J. C. [illegible] Wellesley, Mass., assignors to The B. F. G[illegible] pany, New York, N. Y. Safety belt. 2,[illegible] 26.
Sanders, Edward H., San Francisco, Calif. [illegible] device. 2,632,269, Mar. 24.
Sanders, Ellsworth E.: *See*—
Sanders, Ernest E., G. E., and Ellsworth
Sanders, Elmore J., San Gabriel, Calif. Air [illegible] rotor. 2,626,743, Jan. 27.
Sanders, Elmore J., San Gabriel, Calif. Vari[illegible] displacement rotor. 2,626,744, Jan. 27.
Sanders, Elmore J., San Gabriel, Calif. [illegible] perature control system. 2,654,354, Oct. 6
Sanders, Elmore J., San Gabriel, J. A. Wi[illegible] and E. J. McClave, Los Angeles, Calif., sa[illegible] said McClave assignors to said Sanders. [illegible] 2,635,010, Apr. 14.

Sanders, Elmore J., San Gabriel, J. A. Wiens, Burbank, and E. J. McClave, Los Angeles, Calif., said Wiens and said McClave, assignors to said Sanders. Engine cleaning equipment. 2,640,724, June 2.
Sanders, Ernest E., G. E., and Ellsworth E., Detroit, Mich. Frozen food cabinet. 2,663,158, Dec. 22.
Sanders, Garland E.: *See*—
Sanders, Ernest E., G. E., and Ellsworth E.
Sanders, George R.: *See*—
Harris, Leonard W., Sanders, and Cassil.
Sanders, H. A., assignee: *See*—
Davis, Harry R.
Sanders, Helen E., Los Angeles, Calif. Posture correcting machine. 2,644,447, July 7.
Sanders, Herbert L.: *See*—
Maxcy, William J., and Sanders.
Sanders, Herbert L., Chicago, Ill., and R. L. Mayhew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Inhibiting precipitation of 2,4-D salts in hard water. 2,628,162, Feb. 10.
Sanders, James C.: *See*—
Robertson, Marion A., and Sanders.
Sanders, James F. and J. W., assignors to Sanders Sanitary Company, Sioux Falls, S. Dak. Prefabricated plumbing installation. 2,653,357, Sept. 29.
Sanders, Joseph W.: *See*—
Sanders, James F. and J. W.
Sanders, Leo K., and V. A., assignors to Pigeon-Hole Parking, Inc., Northport, Wash. Automobile parking elevator. 2,626,065, Jan. 20.
Sanders, Leslie T., Palatka, Fla. Marine growth harvester. 2,655,779, Oct. 20.
Sanders, Louis S., assignee: *See*—
McIntosh, Maurice D.
Sanders, Paul A., Wilmington, and J. R. Vincent, Newport, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadiene hydrocarbon elastomers having improved light stability. 2,628,952, Feb. 17.
Sanders Sanitary Company, assignee: *See*—
Sanders, James F. and J. W.
Sanders, Vaughn A.: *See*—
Sanders, Leo K., and V. A.
Sanders, Walter F., Tacoma, Wash., assignor of one-half to E. F. Lowe, Arcadia, Calif. Electronic noise detector. 2,633,741, Apr. 7.
Sanders, Walter F., Tacoma, Wash. Means of withholding braking action when an hydraulic brake is released. 2,640,563, June 2.
Sanderson, Doris K., Rochester, N. Y. Collapsible scrub bucket. 2,638,952, May 19.
Sanderson, Kenneth E.: *See*—
Donoghue, Florence F., Sanderson, and Pigott.
Sanderson, Robert T., Fishkill, assignor to The Texas Company, New York, N. Y. Polyester synthetic lubricants. 2,628,974, Feb. 17.
Sanderson, Robert T., Fishkill, assignor to The Texas Company, New York, N. Y. Treatment of shale. 2,641,565, June 9.
Sandhofer, Arthur: *See*—
Davis, James, and Sandhofer.
Sandhofer, Rena, administratrix: *See*—
Davis, James, and Sandhofer.
Sandin, Ray C., Oak Park, Ill., assignor to General Electric Company. Combined defrost pan and storage tray. 2,649,697, Aug. 25.
Sandman, Eli, Worcester, and E. R. Sykes, Paxton, assignors to Eli Sandman Co., Worcester, Mass. Making buffs. 2,653,425, Sept. 29.
Sandman, Eli, Co., assignee: *See*—
Sandman, Eli, and Sykes.
Sandmoen, Richard, Minneapolis, Minn. Level holder. 2,647,712, Aug. 4.
Sando, Joseph B., Syracuse, and W. F. Gayring, Minoa, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Unloading extractor. 2,639,811, May 26.
Sandor, Bela T., Ayr, Scotland. Hammer mill and blower arrangement. 2,646,934, July 28.
Sandor, Florence M. A., executrix: *See*—
Sandor, Nicholas.
Sandor, Nicholas, deceased, late of Surbiton, England, by F. M. A. Sandor, executrix, Surbiton, England. Foam forming device. 2,659,582, Nov. 17.
Sandor, William C.: *See*—
Neely, William H., Sandor, and Smith.
Sandow, Albert A., Los Angeles, Calif. Unitary bed structure. 2,644,168, July 7.
Sandoz, A. G., assignee: *See*—
Fleck, Fritz.
Ischer, Hans.
Ischer, Hans, Iselin, and Wehrli.
Kappeler, Markus, Steinemann, and Wehrli.
Kehrer, Fritz.
Kehrer, Fritz, and Wehrli.
Peter, Albin, and Günthart.
Ruckstuhl, Hans, and Wehrli.
Steinemann, Willy.
Thummel, Ludwig.
Von Allmen, Samuel, and Eggenberger.
Sandoz Limited, assignee: *See*—
Hemmi, Hans M.
Hemmi, Hans M., and Trefzer.
Knecht, Oscar, and Ischer.
Seebeck, Ewald.
Wehrli, Walter.
Sandri, John G., Scarsdale, assignor to Dubied Machinery Company, New York, N. Y. Producing full-fashioned knitted articles. 2,643,532, June 30.
Sands, Charles, Kenyon, Minn. Ensilage distributor. 2,652,288, Sept. 15.
Sands, Helen, Brooklyn, N. Y. Girdle. 2,632,166, Mar. 24.
Sands, Helen, Brooklyn, N. Y. Brassière. 2,635,242, Apr. 21.
Sands, Hillard J.: *See*—
Blanke, Nathan E., and Sands.
Sands, Matthew L., Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Automatic temperature regulator. 2,646,544, July 21.
Sands, Roy G., Waukegan, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. High-voltage arrester. 2,644,115, June 30.
Sands, Walter, Minneapolis, Minn. Golf bag and stand. 2,661,174, Dec. 1.
Sandvikens Jernverks Aktiebolag, assignee: *See*—
Haglund, Didrik W., and Eistrom.
Hammarström, Johan E.
Sandy Hill Iron & Brass Works, The, assignee: *See*—
Fasoli, Paul A.
Saner, William R.: *See*—
Alles, Francis P., and Saner.
Sanford, Charles L., Meadville, Pa. Preformed tile and beam floor construction. 2,639,607, May 26.
Sanford, Elbert A., Irondequoit, and E. F. Holtz, Rockville Centre, assignors to The Pfaudler Co., Rochester, N. Y. Repairing articles having a corrosion-resisting lining. 2,631,360, Mar. 17.
Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Door latch mechanism. 2,624,202, Jan. 6.
Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping device. 2,634,007, Apr. 7.
Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping mechanism. 2,640,608, June 2.
Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Door latch tripping mechanism. 2,645,368, July 14.
Sanford, Hugh W., Jr., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping device. 2,646,179, July 21.
Sanford, Hugh W., Knoxville, Tenn. Closure cap. 2,647,652, Aug. 4.
Sanford Investment Company, The, assignee: *See*—
Jones, Robert E.
Light, Eber W.
McCallen, Perry S., and Jones.
Sanford, Hugh W.
Sanford, Hugh W., Jr.
Sanford, Jean E., Los Angeles, Calif. Sewing machine feeding device. 2,643,624, June 30.
Sanford, Katherine K.: *See*—
Earle, Wilton R., and Sanford.
Sanford, Mable M., San Francisco, Calif. Diaper holder and the like. 2,662,526, Dec. 15.
Sanford Products, Inc., assignee: *See*—
Sanford, Roy S.
Sanford, Roy S., Oakville, Conn. Paper container. 2,663,981, Dec. 29.
Sanford, Roy S., Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., and one-half to a group comprising A. C. Fessenden, and Ace Carton Corporation, Chicago, Ill. Paper container. 2,664,237, Dec. 29.
Sanford, Roy S., Woodbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Spring grip table. 2,635,024, Apr. 14.
Sanford, Roy S., assignor to Sanford Products, Inc., Woodbury, Conn. Metal chair. 2,649,147, Aug. 18.
Sanford, Roy S., Woodbury, and J. O. Eames, Washington, Conn., assignors, by mesne assignments, to The Michaels Art Bronze Company Incorporated, Covington, Ky. Parking meter mechanism. 2,628,699, Feb. 17.
Sanford, Roy S., Woodbury, and P. F. Simpson, Washington, Conn. Barrel chair. 2,649,146, Aug. 18.
Santord, William B.: *See*—
Phillips, Carleton A., and Sanford.
Sangamo Electric Company, assignee: *See*—
Armstrong, Clarence J.
Sharp, Frank A.
Sani, Joseph F., assignee: *See*—
Dapoz, Max.
Sanicom Company, Inc., assignee: *See*—
Arvintz, Abraham A., Arvins and Arvintz.
Sanitary Products Corporation, assignee: *See*—
Carrier, John A.
Sanitary Scale Company, assignee: *See*—
Karp, Edward C., and Berglund.
Sanitary Tampon Corporation, assignee: *See*—
Winter, Mahlon A., and Snyder.
Sanitized Beaches, Inc., assignee: *See*—
Chatten, Victor H.
Sankus, Stanley A.: *See*—
Quelly, Joseph R., and Sankus.
San Miguel & Compania, Inc., assignee: *See*—
De la Llana, Isaac P.
Sanner, Leighton W.: *See*—
Van Pelt, Dale M., Sanner, and Wilson.

Sans, Manuel C.: *See*—
Brubaker, John M., Sanz and Scully.
Sansone, Carlo, Genoa, Italy. Predetermined counter value setting device. 2,645,426, July 14.
Santay Corporation, assignee: *See*—
White, Paul F.
Wood, James E.
Santiago, James J., assignor to Grant Oil Tool Company, Los Angeles, Calif. Apparatus for determining well pipe perforations. 2,653,474, Sept. 29.
Santino, Louis, Brooklyn, N. Y. Sound generating device. 2,645,768, July 14.
Santo, Dominick C., Bristol, R. I., assignor of one-half to Worcester Moulded Plastics Company, Worcester, Mass. Razor blade dispenser. 2,641,358, June 9.
Santos, Gérard R., Philadelphia, Pa. Power generator. 2,660,030, Nov. 24.
Sanymetal Products Co., Inc., The, assignee: *See*—
Daugherty, Clyde J., and Anderson.
Sanz, Alfonso I.: *See*—
Martín, José S., and Sanz.
Sanz, Manuel C., Los Angeles, and J. Castelfranco, South Gate, Calif., assignors to North American Aviation, Inc. Laminated jet vane. 2,644,296, July 7.
Saper-Sztein, Gerson, Grenoble, France. Safety valve device for gas burners and the like. 2,649,777, Aug. 25.
Sapolin Paints, Inc., assignee: *See*—
Engel, John P.
Sapp, Ancel L., Blackwell, Okla., assignor to The American Metal Company, Limited, New York, N. Y. Device for cleaning grate bars of sintering machines. 2,652,242, Sept. 15.
Sapp, John P.: *See*—
Sternad, Frank S., and Sapp.
Sapp, Junius E., and W. F. Gillespie, Bogalusa, and P. A. McKim, Baton Rouge, La., assignors to Gaylord Container Corporation, St. Louis, Mo. Production of terpineol. 2,628,258, Feb. 10.
Sappey, Harold: *See*—
Alstadt, Benjamin, and Sappey.
Saraber, Peter, Goslar, Germany. Flashlight lamp. 2,662,968, Dec. 15.
Saraceni, Guido F. L. N., Buenos Aires, Argentina. Planetary transmission. 2,641,143, June 9.
Saracchi, Vicente A. P., Buenos Aires, Argentina. Motor transmission. 2,653,690, Sept. 29.
Saraga, Wolja, Kent, assignor to Telephone Manufacturing Company Limited, London, England. Electric impedance network. 2,636,940, Apr. 28.
Saraga, Wolja, Petts Wood, Orpington, assignor to Telephone Manufacturing Company, Limited, London, England. Phase splitting network. 2,661,458, Dec. 1.
Saranga, Cesare, New Rochelle, N. Y. Radio and television antenna. 2,657,312, Oct. 27.
Sard, Bernard A., Osterley, England, assignor to The Permutit Company, New York, N. Y. Regeneration of ion exchangers. 2,628,191, Feb. 10.
Sardeson, Robert, and G. M. Dye, assignors to Pako Corporation, Minneapolis, Minn. Apparatus for drying photographic prints. 2,639,517, May 26.
Sardeson, Robert, J. F. Braden, and C. E. Lee, assignors to Pako Corporation, Minneapolis, Minn. Agitating device for photographic, liquid developer. 2,652,758, Sept. 22.
Särenholm, Einar, Eskilstuna, assignor to Svartviks Aktiebolag, Sundsvall, Sweden. Pivot hinge for windows. 2,640,221, June 2.
Särenholm, Einar, Eskilstuna, assignor to Svartviks Aktiebolag, Sundsvall, Sweden. Hinge for windows. 2,645,811, July 21.
Sarett, Ben L., assignee: *See*—
Baker, Dwight L.
Sargent, Albert M., assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Apparatus for separating oil from coolant liquids. 2,658,040, Nov. 3.
Sargent, Betty M., Bridgehampton, N. Y. Electrically internally heated steering wheel. 2,662,961, Dec. 15.
Sargent & Company, assignee: *See*—
Wardwell, George W., Jr.
Sargent, Donald E., Alton, Ill., assignor to General Aniline & Film Corporation, New York, N. Y. Rendering undevelopable the silver halides present in an outer layer of multilayer color film. 2,636,821, Apr. 28.
Sargent, Donald E., Easton, and W. F. Amon, Jr., Riegelsville, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Polyvinyl alcohol gels. 2,646,411, July 21.
Sargent, Elbert R., Ferguson, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Ram jet engine and flame holder therefor. 2,632,994, Mar. 31.
Sargent & Greenleaf, Inc., assignee: *See*—
Eiffert, Otto H., and Thomas.
Sargent, Herbert: *See*—
Ladd, Elbert C., and Sargent.
Sargent, Roger W. H., assignor to The British Oxygen Company Limited, London, England. Separation of gas mixtures. 2,659,216, Nov. 17.
Sargeson, John, Long Branch, Ontario, Canada. Artificial hand. 2,652,570, Sept. 22.
Sargrove Electronics Limited, assignee: *See*—
Sargrove, John A.
Sargrove, John A., assignor of one-half to Sargr
tronics Limited, Middlesex, England. Metaliz
ratus. 2,631,565, Mar. 17.
Sargrove, John A., Shepperton-on-Thames, assign
grove Electronics Limited, London, England.
deviation testing device. 2,664,557, Dec. 29.
Sarioni Company, Inc., assignee: *See*—
Curioni, Aldo R.
Sarnelle, Joseph, New York, N. Y. Hat blocking
2,639,064, May 19.
Särnö, Bo G. A., Stora Essingen, Stockholm, as
Allmanna Svenska Elektriska Aktiebolaget,
Sweden. Heated roller blind. 2,660,659, N
Sarnoff, Stanley J., Boston, Mass. Container.
Feb. 10.
Sarosdy, Louis J., assignor, by mesne assign
Blaw-Knox Company, Pittsburgh, Pa. Valv
inlet nozzle for concrete mixers or the like.
Oct. 13.
Sarti, Joseph, New York, N. Y. Inlay extractor.
June 2.
Sartin, Jarvis G., Hattiesburg, Miss., assignor to
Powder Company, Wilmington, Del. Wood
apparatus. 2,658,638, Nov. 10.
Sarto, Jorma O., Walled Lake, assignor to Chr
poration, Highland Park, Mich. Fuel-air rat
tor for gas turbine power plants. 2,633,704,
Sarto, Jorma O., Walled Lake, assignor to Chr
poration, Highland Park, Mich. Surface ga
plug for gas turbines. 2,645,082, July 14.
Sarvie, Walter, Alexandria, Minn. Actuating a
means for the handles of plier type tools. R
Dec. 29.
Sarvoy, Elmer, Miami, Fla. Camera belt
2,548,435, Nov. 10.
Sasgen Derrick Co., assignee: *See*—
Sasgen, Matthias F.
Sasgen, Matthias F., assignor to Sasgen Derrick
cago, Ill. Winch, hoist, and the like. 2,626,12
Sass, Walter H., Chicago, Ill. Boat supportin
2,634,010, Apr. 7.
Sasse, Louis, East Chicago, Ind. Trimming b
illuminated scale. 2,645,707, July 14.
Sasse, Richard C., Packanack Lake, N. J., as
Curtiss-Wright Corporation. Preloaded bea
temperature compensation. 2,639,203, May
Sasser, Travis M., Terrace Park, assignor to
Room Suppliers, Inc., Cincinnati, Ohio.
stapler. 2,651,775, Sept. 15.
Sasso, Maurice, Los Angeles, Calif. Connecting
girders. 2,641,829, June 16.
Sathre, Curtis J., Longview, and T. A. Cheesman
Wash. Snubber for crane booms. 2,627,985,
Satinoff, David, Utica, N. Y., assignor to the Uni
of America as represented by the Secretary of
States Air Force. Safety interlock switch.
Oct. 20.
Sativa Corporation, assignee: *See*—
Burkardt, Anton F.
Sato, Takeo, Honolulu, Hawaii. Adjustable
post base. 2,635,844, Apr. 21.
Sato, Takeo, Honolulu, Hawaii. Angle post splic
2,649,320, Aug. 18.
Satre, Berent J., Big Timber, Mont. Bale hand
2,631,882, Mar. 17.
Satterla, Albert G., Jr.: *See*—
Black, Millard S., and Satterla.
Sattler, Beatrice, administratrix: *See*—
Sattler, Gustav, Jr.
Sattler, Edward J., Mineral City, Ohio. Fruit
ladder. 2,658,601, Nov. 10.
Sattler, Frank A., Pittsburgh, J. Swiss, Murry
J. G. Ford, Sharon, assignors to Westinghou
Corporation, East Pittsburgh, Pa. Synthetic
insulated products produced therewith. 2,62
20.
Sattler, Gustav, Jr., deceased, New York, N.
Sattler, administratrix), and B. Sattler, ass
mesne assignments, to The Carlton Corpora
York, N. Y. Therapeutic solution of calcium
calcium glycerophosphate. 2,657,172, Oct.
Säuberlich, Willy, assignor to Goebel Aktienge
Darmstadt, Germany. Web printing press.
Sept. 15.
Sauder, Erie J., Archbold, Ohio. Knockdo
2,650,147, Aug. 25.
Sauer, Ann., Chicago, Ill. Device for cleaning fe
ples for infants. 2,629,888, Mar. 3.
Sauer, Arthur P., assignor to The Kilborn-S
pany, Fairfield, Conn. Rotatably adjustable
motorcycle headlights and the like. 2,651,48
Sauer, Charles C., Clarksville, Ind. Printe
2,647,326, Aug. 4.
Sauer, George: *See*—
Wallenberg, Ned L., and Sauer.
Sauer, George, Berwyn, assignor to Union Specia
Company, Chicago, Ill. Vibration isolating
sewing machines. 2,644,413, July 7.
Sauer, George, Berwyn, and A. M. Schweda, as
Union Special Machine Company, Chicago, Il
machine with drive and support therefor.
July 7.
Sauer, John C.: *See*—
Cairns, Theodore L., and Sauer.

Sauer, Louis E., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reactor. 2,663,828, Dec. 22.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Preparation of methylchloroallanes. 2,647,136, July 28.

Sauerman, Edward E., Miami, Fla. Clamp for holding articles on clotheslines. 2,654,134, Oct. 6.

Sauerman, Ernst, C., Chicago, Ill. Envelope machine. 2,643,594, June 30.

Sauerman, Ernst C., and A. J. Hopkins, Chicago, Joseph Erwood, Crystal Lake, and John Erwood, Park Ridge, Ill., said Joseph Erwood and said John Erwood, assignors to Address-It Corporation, Chicago, Ill. Selective hectographic printing machine. 2,663,253, Dec. 22.

Sauers, Charles T.: *See*—
Hawthorne, Charles W., Jr., and Sauers.

Sauers, Harvey J.: *See*—
Lewis, Charles R., and Sauers.

Saul, August A., Ross Township, Allegheny County, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Lubrication of track-borne mechanism. 2,631,008, Mar. 10.

Saul, August A., Ross Township, Allegheny County, assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Material handling apparatus. 2,657,048, Oct. 27.

Saul, James J.: *See*—
Ripley, Harold C., and Saul.

Saul, Maurice M., Evanston, Ill. Construction of street signs. 2,641,075, June 9.

Saul, Samuel, Jr., and L. H. Fenstermaker, Pittsburgh, Pa.; said Fenstermaker assignor to said Saul. Adjustable peg rack. 2,626,711, Jan. 27.

Saul, Waldo A., Lexington, and J. J. Staller, Waltham, assignors to Raytheon Manufacturing Company, Newton, Mass. Electrical connector. 2,654,872, Oct. 6.

Saulnier, Raymond, Paris, France. Two-panel slidable and jettisonable roof for the cockpits of aircraft. 2,646,949, July 28.

Saulsberry, Jay L., Tucumcari, N. Mex. Can opener. 2,631,364, Mar. 17.

Saulsbury, Albert O., Ridgely, Md. Harvester with automatic level maintaining apparatus. 2,656,194, Oct. 20.

Saunders, Alfred P.: *See*—
Barsby, Edward S., and Saunders.

Saunders, Alfred P., assignor to Wildt and Company Limited, Leicester, England. Straight bar knitting machine. 2,629,994, Mar. 3.

Saunders, Alfred P., and H. H. Holmes, assignors to Wildt and Company Limited, Leicester, England. Knitted fabric and making the same. 2,657,561, Nov. 3.

Saunders, Arnold E., Jefferson Township, Butler County, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Transparent electroconductive article. 2,648,752, Aug. 11.

Saunders, Carmen V.: *See*—
Rambert, Raymond L.
Saunders, Harold A. and C. V.

Saunders, Clarence, assignor, by mesne assignments, to Automatic Systems Corporation, Memphis, Tenn. Automatic store. 2,661,682, Dec. 8.

Saunders, Davis H., Maquoketa, Iowa. Automatic spark plug switch. 2,643,275, June 23.

Saunders, Harold A. and C. V., assignors to Midstate Manufacturing Company, Denver, Colo. Portable ditch gate. 2,654,225, Oct. 6.

Saunders, Noel J., Toronto, Ontario, Canada. Spinning top. 2,639,921, May 26.

Saunders, Norman, assignor to Trackton Co., Inc., Washington, D. C. Toy car-truck rail aligner. 2,647,468, Aug. 4.

Saunders, Norman, Washington, D. C. Launching platform to be used in connection with toy trains. 2,647,469, Aug. 4.

Saunders, Norman B., Cambridge, Mass., assignor to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Signal transducer with distortion compensating amplifier. 2,624,796, Jan. 6.

Saunders, Norman H., Chicago, C. J. Hackett, Oak Park, and J. I. Bellamy, Brookfield, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company. Multicontact relay. 2,647,961, Aug. 4.

Saunders, Orson V., assignor to General Motors Corporation, Dayton, Ohio. Refrigerator shelf. 2,647,812, Aug. 4.

Saunders, Paul B., Jr., Aurora, Ill. Transmission. 2,625,831, Jan. 20.

Saunders, Robert H., Oxford, Pa., assignor to Hercules Powder Company, Wilmington, Del. Phenol production. 2,644,014, June 30.

Saunders-Roe Limited, assignee: *See*—
Robertson, Frank H.
Swain, Arthur E., and Robertson.

Saunders, William G.: *See*—
Johnson, Louis W., and Saunders.

Saunders, William G., Eugene, Oreg. Combination log-dogging and taper-setting apparatus. 2,661,779, Dec. 8.

Saunders, William P., and F. P. Strieter, assignors to The Dow Chemical Company, Midland, Mich. Master alloy comprising zirconium and magnesium for use in making magnesium-base alloys contnining zirconimm. 2,664,353, Dec. 29.

Saunders, William R.: *See*—
Hull, David C., and Saunders.

Saunderson, Jason L., V. J. Caldecourt, and E. W. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Electrical circuit for measuring the ratio of two potentials. 2,647,236, July 28.

Saurborn, Edward: *See*—
Hughes, George E., and Saurborn.

Saurer, Curt, Detroit, Mich. Auxiliary wind deflector. 2,639,188, May 19.

Saurer, Curt, and F. M. Guy, Detroit, Mich., assignors to U. S. Universal Joints Company. Friction type shock absorber. 2,653,684, Sept. 29.

Sausele, George J. H., West Hempstead, assignor to Intertype Corporation, Brooklyn, N. Y. Hand composing device. 2,632,368, Mar. 24.

Sauter, Harold F., Nutley, and J. J. Weinberger, Jr., Kearney, assignors to Hanlon & Goodman Co., Belleville, N. J. Brush having an internal anchor for securing the bristles within the ferrule. 2,641,014, June 9.

Sauter, John D.: *See*—
Few, William, and Sauter.

Sautter, Alton F.: *See*—
Kersten, Samuel, and Sautter.

Sauven, Maurice O., Ealing, London, England. Machine for code marking labels, wrappers, cartons, or the like. 2,643,718, June 30.

Sava, Sal J., Port Chester, N. Y. Portable grille. 2,627,854, Feb. 10.

Savadelis, Ignatius C., Arlington, N. J., assignor to Deering Milliken Research Trust, New York, N. Y. Method and means for predetermining the appearance of fabricated articles. 2,654,288, Oct. 6.

Savage Arms Corporation, assignee: *See*—
Dickerman, Hubert E.
Dunham, George W.
Roper, Walter F., and Wright.
Sullivan, William E.

Savage, Conwell, New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,657,765, Nov. 3.

Savage, Francis C.: *See*—
Allan, James A., and Savage.

Savage, Harry K., Downey, Calif. Method and apparatus for extracting volatile constituents from carbonaceous materials. 2,661,325, Dec. 1.

Savage, Kenneth E., Fitchburg, Mass. Cover plate and toggle switch actuator. 2,639,356, May 19.

Savage, Reuben T.: *See*—
Lassiat, Raymond C., and Savage.

Savage, Reuben T., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for handling granular material. 2,663,593, Dec. 22.

Savage, Reuben T., Ridley Park, and J. C. Dart, Moylan, assignors to Houdry Process Corporation, Philadelphia, Pa. Solids baffle for catalyst apparatus. 2,647,044, July 28.

Savage, Reuben T., Ridley Park, and E. H. Ivey, Jr., Glenolden, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Processing hydrocarbons. 2,663,677. Dec. 22.

Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Machine and method for purifying the inert gases. 2,624,421, Jan. 6.

Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Chemically active graphitic carbon powder. 2,626,930, Jan. 27.

Savage, Russell H., assignor to The Mead Corporation, Chillocothe, Ohio. Producing a flat moistureproof paper lamination. 2,636,838, Apr. 28.

Savage, Stanley, Seattle, Wash. Window frame construction. 2,642,632, June 23.

Savage, W. J., Company, assignee: *See*—
Leonhard, Herbert F.

Savannah Sugar Refining Corporation, assignee: *See*—
Allen, Howard G.

Savard, Arthur J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Thermal shroud for engine mounts. 2,655,090, Oct. 13.

Savarese, Albert J., Glendale, Calif. Mouthpiece to be worn by athletes. 2,659,366, Nov. 17.

Savarese, Ferdinand B.: *See*—
Mack, Gerry P., and Savarese.

Savary, Clarence H., Marion, Ohio. Signal device for indicating the location of submerged objects. 2,636,193, Apr. 28.

Savasky, Robert M.: *See*—
Lang, Robert A., and Savasky.

Savella, Jack and N., Cheboygan, Mich. Toy suspension hobbyhorse. 2,624,579, Jan. 6.

Savella, Nora: *See*—
Savella, Jack and N.

Savidge, Leslie N., Burton, and R. Thomas, Bromborough, England, assignors to Lever Brothers Company, Cambridge, Mass. Fluorescent alkoxy benzoyl derivatives of 4,4′ diamino stilbene-2,2′ disulfonic acid and detergent compositions containing same. 2,643,197, June 23.

Savidge, Leslie N., and R. Thomas, Bromborough, England, assignors to Lever Brothers Company, Cambridge, Mass. Fluorescent compound and imparting fluorescent effects to materials. 2,643,198, June 23.

Savino, Henry C., Jersey City, N. J. System for indicating time-space lag and lead. 2,656,528, Oct. 20.

Savitz, Christian W.: *See*—
Brixius, Jacob K., and Savitz.

Savitz, Christian W., South Euclid, assignor to Air-Maze Corporation, Cleveland, Ohio. Electrostatic filter. 2,639,781, May 26.

Savitz, Christian W., South Euclid, assignor to Air-Maze Corporation, Cleveland, Ohio. Rotary electrostatic filter. 2,663,380, Dec. 22.

Savolainen, Unto U.: *See*—
Ottmar, Jerome, Matteson, Savolainen, and Chace.

Savolainen, Unto U., assignor to Metals & Controls Corporation, Attleboro, Mass. Pressure receptacle and closure therefor. 2,629,514, Feb. 24.

Savory, Frederick R., Sutton-in-Ashfield, England. Supporting stand suitable for hosiery and underwear linking and seaming machines. 2,648,227, Aug. 11.

Savoy, Michael: *See*—
Bond, Donald C., and Savoy.

Sawdey, George W., assignor to Eastman Kodak Company, Rochester, N. Y. Bleaching silver images with p-sulfophenyl quinones or p-nitroso phenols. 2,625,477, Jan. 13.

Sawdey, George W., assignor to Eastman Kodak Company, Rochester, N. Y. Pyrazolone couplers for color photography. 2,632,702, Mar. 24.

Sawers, Percy C., Seattle, Wash. Sample taking device. 2,660,063, Nov. 24.

Sawicki, Stanley J., East Hempstead, N. Y. Device for testing fluid pressure lines. 2,640,492, June 2.

Sawitzke, Arthur W., Cleveland, Ohio. Fishing reel device. 2,624,523, Jan. 6.

Sawyer, Alton L., Morristown, N. J. Refining vessel drawoff system. 2,661,093, Dec. 1.

Sawyer, David F., Ogden, Utah. Flanging machine. 2,633,891, Apr. 7.

Sawyer, Frederick D., Wayne, assignor to Dearborn Motors Corporation, Detroit, Mich. Disk harrow hitch and angling means. 2,638,726, May 19.

Sawyer, Frederick D., Wayne, assignor to Dearborn Motors Corporation, Birmingham, Mich. Bush and bog harrow. 2,641,884, June 16.

Sawyer, Frederick D., Wayne, assignor to Dearborn Motors Corporation, Highland Park, Mich. Adjustable link. 2,648,997, Aug. 18.

Sawyer, Frederick D., Wayne, assignor to Dearborn Motors Corporation, Birmingham, Mich. Tractor link. 2,654,303, Oct. 6.

Sawyer, Frederick D., Wayne, assignor to Dearborn Motors Corporation, Birmingham, Mich. Bush and bog harrow. 2,662,783, Dec. 15.

Sawyer, Herbert A., Jr., Mansfield Center, Conn. Circular slide rule. 2,634,913, Apr. 14.

Sawyer, James G., Williamsville, N. Y. Blower. 2,637,487, May 5.

Sawyer, Hilon W., Nutley, and L. Gelly, Newark, assignors to Thomson Machine Company, Belleville, N. J. Dough working and shaping machine. 2,657,648, Nov. 3.

Sawyer, Ogden E., Cranston, R. I., and H. R. Warren, Louisville, Ky., assignors to the United States of America as represented by the Secretary of the Navy. Electronic motor control circuit. 2,627,594, Feb. 3.

Sawyer, Roscoe H., Christiana, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oxidizing iron halides to produce iron oxide and chlorine. 2,642,339, June 16.

Sawyer, Stanley T.: *See*—
Porges, Leo, and Sawyer.

Sawyer, Thomas H., assignor to The Ohio Brass Company, Mansfield, Ohio. Method and means of measuring current collector wear. 2,629,862, Feb. 24.

Sawyer's Inc., assignee: *See*—
Smith, Gordon N.

Sax, Henry V., and H. V. Dressler, Martinez, assignors to Shell Development Company, San Francisco, Calif. Pneumatic lifting and rotating machine. 2,639,822, May 26.

Sax, Norbert W.: *See*—
Kimel, Walter, and Sax.

Saxby, Marvin, Princess Bay, assignor to Bayes Manufacturing Co. Inc., New York, N. Y. Wrench set. 2,633,768, Apr. 7.

Saxe, Van Rensselaer P., Baltimore, Md. Metal connection for building frames. 2,624,429, Jan. 6.

Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Automatic dispensing machine with electric lights for controlling same. 2,625,300, Jan. 13.

Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Material transfer mechanism. 2,630,202, Mar. 3.

Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Apparatus for controlling proportions of materials. 2,631,827, Mar. 17.

Saxe, Walter E., Pasadena, assignor to The Conveyor Company, Inc., Los Angeles, Calif. Automatic dispensing, weighing, and recording apparatus. 2,664,260, Dec. 29.

Saxe, Walter E., San Gabriel, assignor to The Conveyer Company, Los Angeles, Calif. Automatic dispensing apparatus. 2,625,301, Jan. 13.

Saxe, Walter E., San Gabriel, assignor to The Conveyor Company, Los Angeles, Calif. Washing apparatus for fruits, vegetables, and the like. 2,631,596, Mar. 17.

Saxe, Walter E., San Gabriel, assignor to The Company, Los Angeles, Calif. Automatic conveyer system. 2,636,622, Apr. 28.

Saxe, Walter E., San Gabriel, assignor to The Company, Inc., Los Angeles, Calif. Automating mechanism. 2,659,563, Nov. 17.

Saxer, August, Thalwil, Switzerland. Die mechanism. 2,656,744, Oct. 27.

Saxman, Edwin F., Jr.: *See*—
Weeks, Charles M., and Saxman.

Saxon, Godfrey: *See*—
Miller, Charles W., Saxon, and Crowley.

Saxton, Edward S., Coventry, assignor to Armdeley Motors Limited, Coventry, Warwicksland. Means for adapting machine tools fo purposes. 2,653,518, Sept. 29.

Saxton, Millard F.: *See*—
Comey, Charles S., and Saxton.

Sayer, Charles A., assignor to Cyc-Arc Limite England. Electric arc stud welding. 2,648 11.

Sayer, Laurence R., San Leandro, Calif. Invice. 2,659,066, Nov. 10.

Sayers, Landon C., Tazewell, Va. Band saw guide. 2,625,186, Jan. 13.

Saylor, Charles P., Hyattsville, Md., assigno half to Everett G. Rodebaugh, Pughtown, tool. 2,656,225, Oct. 20.

Saylor, John S., Jr., Sinking Spring, Pa., assigno ard Oil Development Company. Friedel-craft ene polymerizations in chlorofluoroalkene 2,644,809, July 7.

Sayko, Andrew F., and J. R. Briggs, Westfield signors to Standard Oil Development Compa position of a premilled butadiene-acrylonitr mer and a nonrubbery thermoplastic synth 2,652,384, Sept. 15.

Sayre, James E., Little Neck, N. Y. Advertis device. 2,624,142, Jan. 6.

Saywell Associates, assignee: *See*—
Saywell, Lawrence G.

Saywell, Lawrence G., assignor to Saywell Asso Mateo, Calif. Sealing assembly. 2,636,755.

Saywell, Lawrence G., San Mateo, assignor Associates, South San Francisco, Calif. sembly. 2,642,298, June 16.

Saywell, Lawrence G., San Mateo, assignor Associates, South San Francisco, Calif. Sea bly. 2,661,226, Dec. 1.

Sbrighi, Antonio, assignor to Societa Italian Breda per Costruzioni Meccaniche, Mil Streamlined corridor vehicle. 2,642,816, J

Scaff, Eli C., La Junta, Colo. Toilet bowl brush. Feb. 17.

Scaffold Equipment Company, assignee: *See*—
Middendorf, Henry B.

Scag, Dane T., Milwaukee, and D. K. Getzlaff, W assignors to Allis-Chalmers Manufacturing Milwaukee, Wis. Orienting and scanning a betatrons. 2,659,827, Nov. 17.

Scaife Company, assignee: *See*—
Turnbull, James C.

Scal, Robert K-F, Englewood, N. J., and C. O Silva, N. Dak., assignors to the United State ica as represented by the Secretary of the N miniature electron tube circuit structure. June 9.

Scalera, Mario, Somerville, W. B. Hardy, Bo and J. J. Leavitt, Somerville, N. J., assignor can Cyanamid Company, New York, N. Y. of naphthostyrils. 2,628,964, Feb. 17.

Scalera, Mario, Somerville, and E. M. Har Brook, N. J., assignors to American Cyan pany, New York, N. Y. Triazine vat dyes. Sept. 1.

Scalera, Mario, and H. E. Westlake, Jr., Somer assignors to American Cyanamid Company, N. Y. Dyestuffs of the benzanthrone acri 2,655,502, Oct. 13.

Scalise, Dominic T., Richmond, Calif., assig United States of America as represented by States Atomic Energy Commission. Bean 2,654,851, Oct. 6.

Scanlan, Joseph P.: *See*—
Sindeband, Seymour J., Stern, and Scanl
Stern, George, Sindeband, and Scanlan.

Scantlebury, Frank M., assignor to The Spo Products Company, Shelton, Conn. Safety cr vehicles. 2,626,163, Jan. 20.

Scantling, George R.: *See*—
O'Brien, William R., and Scantling.

Scappaticci, Joicaomo, assignee: *See*—
Ferrera, Anthony.

Scardamalia, Theodore: *See*—
Avetta, Albert J., and Scardamalia.

Scarlett, George B., assignee: *See*—
Eichmann, Theophil.

Scarlett, John A., Cincinnati, Ohio. Mullin 2,626,758, Jan. 27.

Scelsi, Lee J., Buffalo, N. Y. Revolvable ba uid applicator. 2,654,108, Oct. 6.

Schaadt, Francis S., San Francisco, Calif. emergency brake for pneumatic brake 2,645,313. July 14.

Schaaf, Cecil F., Flint, Mich. Making lightweight coated aggregate granules. 2,650,171, Aug. 25.
Schaaf, Clarence, Findlay, Ohio. Carburetor air humidifier. 2,633,833, Apr. 7.
Schaaf, Clarence, Findlay, Ohio. Humidifier radiator cap. 2,640,689, June 2.
Schaap, Theodore, Muskegon, Mich. Collapsible closure. 2,653,211, Oct. 13.
Schaar, Charles H., assignor to The Cromwell Paper Company, Chicago, Ill. Corrosion inhibiting packaging material and making. 2,653,854, Sept. 29.
Schaar, Livingston V., Lake Orion, Mich. Food cooking apparatus. 2,629,315, Feb. 24.
Schade, Elmer F.: *See*—
Wilcox, Marion J., and Schade.
Schade, Elmer G., Hainesport, assignor to Schade Machine Works, Mount Holly, N. J. Chuck. 2,653,820, Sept. 29.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Vertically shiftable platform support for office furniture. 2,630,359, Mar. 3.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Bookbinder construction of plastic material. 2,632,657, Mar. 24.
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Making laminated case construction. 2,647,071, July 28.
Schade Machine Works, assignee: *See*—
Schade, Elmer G.
Schade, Willy E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective consisting of two outer negative doublets and two inner positive singlets. 2,635,505, Apr. 21.
Schadrack, Alfred, assignee: *See*—
Borcovec, Werner.
Schaefer, Alfred J., Stroudsburg, Pa. Rotary blender. 2,650,805, Sept. 1.
Schaefer, Albert W., Los Angeles, Calif. Edging roller. 2,663,892, Dec. 29.
Schaefer, Carl A., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Time delay relay. 2,662,594, Dec. 15.
Schaefer, Carl A., Whitefish Bay, Wis., assignor to Square D Company, Detroit, Mich. Timer. 2,645,285, July 14.
Schaefer, Edward E., Oak Park, Ill. Cord attachment for Venetian blinds. 2,624,086, Jan. 6.
Schaefer, Edward E., Oak Park, Ill. Venetian blind head rail assembly. 2,652,113, Sept. 15.
Schaefer, Edward J., Fort Wayne, Inc. Submersible sump pump control. 2,625,107, Jan. 13.
Schaefer, Edward J., Fort Wayne, Ind. Submergible motor construction. 2,654,848, Oct. 6.
Schaefer, Edward J., Fort Wayne, Ind. Submersible sump pump. 2,662,206, Dec. 8.
Schaefer, Emmett A., Higginsville, Mo. Sounding and illuminated figured infant's toy. 2,633,668, Apr. 7.
Schaefer Equipment Company, assignee: *See*—
Schaefer, Frederic.
Schaefer, Ferdinand R., Cincinnati, Ohio. Inclined surface ball game. 2,632,649, Mar. 24.
Schaefer, Frederic, assignor to Schaefer Equipment Company, Pittsburgh, Pa. Apparatus for making U-shaped brake hangers. 2,642,112, June 16.
Schaefer, Frederic C.: *See*—
Kaiser, Donald W., and Schaefer.
Schaefer, Frederic C., and E. K. Drechsel, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing an isocyanate. 2,640,068, May 26.
Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Making coil containers. 2,628,463, Feb. 17.
Schaefer, Frederick R., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Coil container. 2,628,714, Feb. 17.
Schaefer, Frederick R., Youngstown, and R. W. Emery, Warren, assignors to Republic Steel Corporation, Cleveland, Ohio. Cable reel and lagging. 2,642,990, June 23.
Schaefer, George W., Quincy, Mass. Tool for removing address-o-graph type strips. 2,663,250, Dec. 22.
Schaefer, Gustave C., Canton, Ohio. Fifth wheel for tractor trailers and the like. 2,662,799, Dec. 15.
Schaefer, Harold W.: *See*—
Peterson, Clyde A., and Schaefer.
Schaefer, Henry G., Yonkers, N. Y. Simplified space heating radiator mounted on pipe. 2,639,900, May 26.
Schaefer, Henry G., Yonkers, and P. Baumeister, Bronx, N. Y. Vacuum pump with expanding liquid spiral. 2,633,290, Mar. 31.
Schaefer, Joseph F., Bay Village, assignor to The Interior Steel Equipment Company, Cleveland, Ohio. Latch mechanism for disappearing wardrobe doors. 2,654,241, Oct. 6.
Schaefer, Robert J., Chatham, N. J., assignor to Johnson & Johnson. Pad construction and process. 2,633,128, Mar. 31.
Schaefer, Rodger L.: *See*—
Hammond, Walter H., Holt, and Schaefer.
Schaefer, Walter S.: *See*—
Darner, Frederic M., and Schaefer.
Schaefer, Walter S., East Gadsden, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for inert-arc welding. 2,628,325, Feb. 10.
Schaefer, Walter S., East Gadsden, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio. Seam welding procedure. 2,630,514, Mar. 3.
Schaefer, Walter S., Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Inert-arc welding of stainless tubing. 2,654,014, Sept. 29.
Schaeffer, Hans A.: *See*—
Gaunt, William E., Bartner, and Schaeffer.
Schaeffer, Pierre H., Paris, France. Spatial music projecting device. 2,636,943, Apr. 28.
Schaeffer, Ralph J., Ferdinand, Idaho. Work suit for farmers. 2,649,583, Aug. 25.
Schaelchlin, Walter: *See*—
Harris, Walter R., Moore and Schaelchlin.
Schaelchlin, Walter, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for cutting apparatus. 2,634,811, Apr. 14.
Schaeperklaus, Louis H., Cheviot, Ohio. Determining the specific gravity and water content of concrete aggregates. 2,647,394, Aug. 4.
Schaertl, Carl: *See*—
Tiedemann, Albert H., and Schaertl.
Schaetzel, Donald E., Minneapolis, Minn., and R. J. Childress, Norwalk, Calif., assignors to General Mills, Inc. Automatically resetting diverter for pneumatic conveyers. 2,649,339, Aug. 18.
Schafer, Curtiss R.: *See*—
Mountjoy, Garrard, and Schafer.
Schafer, Curtiss R., Ridgefield, Conn. Alternating-current bridge. 2,639,411, May 19.
Schafer, Frank, assignor to The Bell Machine Company, Oshkosh, Wis. Machine for cutting match splints. 2,639,740, May 26.
Schafer, John V., Bronson, Mich. Fishing reel. 2,629,565, Feb. 24.
Schafer, Paul W.: *See*—
Hathaway, Claude M., Tilton, and Schafer.
Schafer, Robert E.: *See*—
Goldberg, David C., and Schafer.
Schafer, Wilmer H., Philadelphia, Pa. Light switch unit. 2,654,006, Sept. 29.
Schaffel, Gerson S., and G. H. Swart, assignors to The General Tire and Rubber Company, Akron, Ohio. Plasticized vinyl halide composition and making same. 2,656,333, Oct. 20.
Schaffer, David J., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Governor. 2,662,512, Dec. 15.
Schaffer, George H., Waterbury, Conn. Centrifugal pump. 2,659,311, Nov. 17.
Schaffer, David J.: *See*—
Fricke, Guy C., Bimberg, and Schaffer.
Fricke, Guy C., and Schaffer.
Schaffer, Frances H., Kansas City, Mo. Button fastener. 2,635,311, Apr. 21.
Schaffer, William C.: *See*—
Barrett, Hillard E., Hall, and Schaffer.
Lundquist, Wilton G., Stark, and Schaffer.
Schaller, Norman I., New York, and N. Lesk, Laurelton, assignors to Mount Vernon Implement Co., Inc., Mount Vernon, N. Y. Fertilizer and lime spreader. 2,627,364, Feb. 3.
Schaible Company, The, assignee: *See*—
Hyde, Robert W.
Schaich, Wilbur A., Springfield, Mass. Gas-operated automatic firearm with forwardly moving barrel. 2,628,536, Feb. 17.
Schairer, Edward G., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for intensely working plastic materials. 2,625,709, Jan. 20.
Schaltegger, Hermann, Flamatt, assignor to Dr. A. Wander A. G., Berne, Switzerland. Photochemical production of 7-bromocholesteryl esters. 2,633,451, Mar. 31.
Schaltegger, Hermann, Flamatt, assignor to Dr. A. Wander A. G., Berne, Switzerland. Production of cholesteryl esters brominated in position 7. 2,647,867, Aug. 4.
Schamel, Clyde H.: *See*—
Leslie, James D., and Schamel.
Schamel, Clyde H., Royal Oak, and H. A. Mackie, Bloomfield Hills, assignors to General Motors Corporation, Detroit, Mich. Automatic rear quarter weather seal for automobile bodies with convertible tops. 2,649,330, Aug. 18.
Schane, Harry P., West View, and B. E. Fiddler, Pittsburgh, Pa., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Conduit with branch applied against spot face of headers. 2,636,752, Apr. 28.
Schanzlin, Ernest H., Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Fluid circulating arrangement for hydraulic pressure systems. 2,655,111, Oct. 13.
Schanzlin, Ernest H., Cleveland, Ohio, and C. J. Oster, Detroit, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Hydraulic control system. 2,657,533, Nov. 3
Schaper, Hans: *See*—
Aurbach, Kurt, and Schaper.
Schaper, Hans, assignor to Anker-Werke, A. G., Bielefeld, Germany. Dual purpose sewing machine. 2,663,607, Dec. 22.
Schaper, Peter, Chicago, Ill. Oar guard. 2,655,669, Oct. 20.

Schapiro, Abraham, Kentfield, Calif. Beverage. 2,647,058, July 28.
Schappert, Hanns: *See*—
Bredtschneider, Kurt B., and Schappert.
Scharer, Oscar: *See*—
Beaulieu, Ezra J., Haagensen, and Scharer.
Scharf, Albert, New York, assignor, by mesne assignments, to American Lecithin Company, Inc., Woodside, N. Y. Lecithin compositions. 2,632,705, Mar. 24.
Scharf, Arthur: *See*—
Conklin, Robert M., and Scharf.
Scharf, Arthur E., Milwaukee, Wis. Humidifier. 2,654,362, Oct. 6.
Scharf, Herbert: *See*—
Sörensen, Emil, and Scharf.
Scharf, Herbert, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Making ceramic parts. 2,643,434, June 30.
Scharf, Philip T., and W. J. Keenan, assignors to Eastman Kodak Company, Rochester, N. Y. Protective coatings for optical elements and applying them. 2,641,954, June 16.
Scharf, Ruth R.: *See*—
Wyner, Justin L., and Scharf.
Scharmann, Louie R., executrix: *See*—
Scharmann, Walter G.
Scharmann, Walter G.: *See*—
Sweetser, Sumner B., and Scharmann.
Scharmann, Walter G., deceased, late of Westfield, N. J., by L. R. Scharmann, executrix, Westfield, N. J., assignor to Standard Oil Development Company. Hydrocarbon systhesis. 2,662,090, Dec. 8.
Schatz Manufacturing Company, assignee: *See*—
Recknagel, Frederick W.
Schaub, André H., Brodalen, Sweden. Card setting machine. 2,642,099, June 16.
Schaub, Franz: *See*—
Traumn, Heinrich, and Schaub.
Schauble, Otto C.: *See*—
Mekler, Valentine, Bogart, Schauble, and Palchik.
Schauer, Wilbert E., Milwaukee, Wis. Swinging drawer cabinet. 2,663,608, Dec. 22.
Schaufelberger, Felix A.: *See*—
Roberts, Edward S., McGauley, and Schaufelberger.
Schaufelberger, William M., Whittier, H. N. Herrick, Berkeley, and J. R. Leggett, Los Angeles, assignors to California Research Corporation, San Francisco, Calif. Apparatus for determining magnetic properties of well cores. 2,652,531, Sept. 15.
Schaumer, Theo B., Los Angeles, Calif. Brassière having elastic cups. 2,644,162, July 7.
Schaumer, Theo B., Los Angeles, Calif. Brassière having cups made from elastic material. 2,651,779, Sept. 15.
Schauwecker, Karl F., Franklin Park, Ill., assignor to United States Steel Corporation. Bearing and steel therefor. 2,639,985, May 26.
Schechter, Milton S., Washington, D. C., and F. B. La Forge, North Arlington, Va., dedicated to the free use of the People of the United States. Synthesis of 4-hydroxy-2-cyclopenten-1-ones. 2,661,374, Dec. 1.
Schechter, William H., Lawrence, Kans., and E. D. Osgood, Washington, D. C. Porous anhydrous lithium hydroxide granules. 2,629,652, Feb. 24.
Schechter, William H., Zellenople, assignor, by mesne assignments, to Callery Chemical Company, Pittsburgh, Pa. Ammonia-methyl borate compound. 2,629,732, Feb. 24.
Schechter, William H., Zellenople, Pa. Sodium superoxide production. 2,648,596, Aug. 11.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine provided with removable transmission. 2,627,175, Feb. 3.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Roller for ironing machines. 2,647,301, Aug. 4.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine. 2,647,388, Aug. 4.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry apparatus. 2,647,632, Aug. 4.
Scheele, Charles C., Syracuse, N. Y. Branch hose connector. 2,656,853, Oct. 27.
Scheeline, Harold W.: *See*—
Drout, William M., Jr., Carlson, Scheeline, and Smith.
Odell, William W., Morrell, and Scheeline.
Scheemaeker, Emile, Woonsocket, R. I. Cream separator and cap. 2,645,349, July 14.
Scheer, Max M.: *See*—
Gund, Konrad, Berger, Scheer, and Schittenhelm.
Scheffer, Harvey D. G., Westfield, assignor to Diamond Expansion Bolt Company, Garwood, N. J. Masonry drill. 2,635,856, Apr. 21.
Scheffer, Nicholaas: *See*—
Unk, Jacob M., Scheffer, and Pennekamp.
Scheg, Marcian A., assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit with means to neutralize the inductive kickback from track rails. 2,651,712, Sept. 8.
Schehr, George A., Cincinnati, Ohio. Metallic resilient wheel. 2,639,752, May 26.
Scheib, Richard, Jr.: *See*—
McCoy, Rawley D., and Scheib.
Scheib, Richard, Jr., Hempstead, N. Y., assi
Sperry Corporation. Linear motion mag
2,655,132, Oct. 13.
Scheibli, James R.: *See*—
Dannenberg, Hans, and Scheibli.
Scheiderbauer, Robert A., Waynesboro, Va.,
E. I. du Pont de Nemours and Company,
Del. Stabilized bleached polyacrylonitr
2,643,934, June 30.
Scheidt, Joseph, and L. A. Teegardin, Streato
wrapping device. 2,641,096, June 9.
Scheidt, Joseph, and L. A. Teegardin, Streato
block holder. 2,661,719, Dec. 8.
Schein, Harry L., assignor to Merkantila In
Pehr Husberg Aktiebolag, Stockholm, Swe
cation of water. 2,661,333, Dec. 1.
Scheiterlein, Andreas, assignor to H. List, G
Four-stroke internal-combustion engine.
Oct. 6.
Scheiwer, Albert T., Erie, Pa. Fueling device
May 19.
Scheiwer, Albert T., Erie, Pa. Coupling.
June 23.
Scheiwer, Albert T., Erie, Pa. Valved pi
2,646,994, July 28.
Scheiwer, Albert T., Erie, Pa. Coupling devic
coils and the like. 2,646,998, July 28.
Scheiwer, Albert T., Erie, Pa. Valved pi
2,648,548, Aug. 11.
Scheiwiller, Karl, St. Gallen, assignor to Br
Zurich, Switzerland. Sewing machine table
Sept. 22.
Schek, Leonard E.: *See*—
Foster, Thomas W., Schek, and Bradley
Scheldorf, Marvel W., Palos Heights, assigno
Corporation, Chicago, Ill. Multi-V F
2,637,533, May 5.
Scheldorf, Owen H., North East, Pa., assigno
Electric Company. Compressor mounting
Mar. 10.
Scheldorfer, Lilliam I., Fort Lauderdale, Fla
device for hookless or slide fasteners. 2,6
22.
Schell, William J., Jr., Jersey City, N. J. In
use in laying square tile. 2,642,674, June
Schelleng, John C., Interlaken, N. J., assignor
phone Laboratories, Incorporated, New Yor
velope delay scanning system. 2,625,614, J
Schelleng, John C., Interlaken, N. J., assig
Telephone Laboratories, Incorporated, New
Frequency modulation repeater. 2,659,813,
Schellens, Christopher A., Tenants Harbor,
bine driven pump. 2,632,596, Mar. 24.
Schellens, Christopher A., St. George, Maine.
pump. 2,661,698, Dec. 8.
Schelliman, Joseph H., Ridley Park, assigno
ington, Inc., Sharon Hill, Pa. Elec
2,633,510, Mar. 31.
Schenau, Bernardus W. V.: *See*—
Haantjes, Johan, Valeton, and Schenau
Schenewolf, Alfred E., Clinton, Okla. Coupl
ing a farming implement to a trac
2,629,305, Feb. 24.
Schenk, Adelbert J., Huntington Woods, assig
B. Webb Company, Detroit, Mich. Speed c
veyer drives. 2,625,257, Jan. 13.
Schenk, Jan M., Glen Ridge, assignor to
Kellogg Co., Jersey City, N. J. Manufact
blades integral with turbine rotor. 2,633
Schenk, Peter, South Ozone Park, N. Y. El
ing element. 2,637,797, May 5.
Schenk, Tamis C., Richmond Hill, assigno
assignments, to Fruit Products Corporatio
N. Y. Bagging machine. 2,645,395, July
Schenk, Tamis C., Richmond Hill, assignor,
signments, to Fruit Products Corporation
N. Y. Brine tank elevator. 2,661,751, De
Schenkelberger, Frank J.: *See*—
Snyder, Jacob R., and Schenkelberger.
Schenkelberger, Frank J., North Olmsted, ass
Baker-Raulang Company, Cleveland, Ohio,
industrial elevating trucks. 2,663,443, D
Schenley Industries, Inc., assignee: *See*—
Andersag, Hans, and Timmler.
De Becze, George I.
Hiltmann, Rudolf, and Bauer.
Katz, Leon.
Klarer, Joseph, and Behnisch.
Klarer, Joseph, and Timmler.
Koenig, Karl, and Andersag.
Levy, Gabor B.
Miller, Samuel, and Emelin.
Schmidt, Hans.
Schmidt, Hans, and Behnisch.
Schmidt, Hans, Behnisch, and Mietzsch.
Schmidt, Hans, Mietzsch, and Behnisch
Timmler, Helmut, Andersag, and Bre
Winsten, Walter A., and Katz.
Schenot, Paul F., Castle Shannon, Pa. Ho
wool. 2,647,275, Aug. 4.
Schenzinger, John M., and W. Baicher, Alt
Combination sofa and table. 2,639,761,

Schepp, William J., East Paterson, N. J., assignor to D. G. Kennedy, Rochester, J. L. Kennedy, Elmira, and S. Farnham, Brighton, N. Y. Doll or the like. 2,656,647, Oct. 27.

Scher & Feldman, Inc., assignee: *See*—
Feldman, Joseph.

Scherbatskoy, Serge A., Tulsa, Okla. Radiation detecting device. 2,639,390, May 19.

Scherbatskoy, Serge A., Tulsa, Okla., assignor to Perforating Guns Atlas Corporation, Houston, Tex. Nuclear well logging. 2,648,012, Aug. 4.

Scherbatskoy, Serge A., Tulsa, Okla., assignor to A. C. Nielsen Company, Chicago, Ill. System and apparatus for determining the listening habits of wave signal receiver users. 2,652,310, Sept. 15.

Scherbatskoy, Serge A., Tulsa, assignor to Perforating Guns Atlas Corporation, Houston, Tex. Radioactivity well logging system. 2,659,014, Nov. 10.

Scherbatskoy, Serge A., Tulsa, Okla., assignor to A. C. Nielsen Company, Chicago, Ill. Search signal apparatus for determining the listening habits of wave signal receiver users. 2,660,662, Nov. 24.

Scherbatskoy, Serge A., Tulsa, Okla., assignor to A. C. Nielsen Company, Chicago, Ill. Search signal apparatus for determining the listening habits of wave signal receiver users. 2,660,665, Nov. 24.

Scherbatskoy, Serge A., Tulsa, Okla. System of determining the listening habits of wave signal receiver users. 2,662,168, Dec. 8.

Scherbatskoy, Serge A., Tulsa, Okla., and R. L. Freeman, Evanston, assignors to A. C. Nielsen Company, Chicago, Ill. Lock out and recycling device for an apparatus for determining the listening habits of wave signal receiver users. 2,660,511, Nov. 24.

Scherberg, Max G., Vinita Terrace, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Intermittent fuel injection valve. 2,653,805, Sept. 29.

Scherer, George F., Oakland, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Automatic lubrication. 2,658,713, Nov. 10.

Scherer, John O., assignor to R. P. Scherer Corporation, Detroit, Mich. Preparing molten gelatin solution. 2,628,916, Feb. 17.

Scherer, R. P., Corporation, assignee: *See*—
Scherer, John O.
Scherer, Robert P.

Scherer, Robert P., assignor to R. P. Scherer Corporation, Detroit, Mich. Jacket for jet injection ampoules. 2,645,338, July 14.

Scherer, Robert P., assignor to R. P. Scherer Corporation, Detroit, Mich. Plastic container with rupturable sealed end. 2,648,463, Aug. 11.

Schering Corporation, assignee: *See*—
Gould, David H., and Hershberg.
Hershberg, Emanuel B., and Oliveto.
Papa, Domenick, Sperber, and Villani.
Sperber, Nathan, Papa, and Schwenk.

Schering International Research Institute, assignee: *See*—
Schwenk, Erwin, and Papa.

Scheske, Roy D., assignor to Traffic House, Inc., Marshall, Mich. Speed registering device. 2,635,692, Apr. 21.

Schesser, Ermen C., Rockford, Ill. Outlet box cable connector. 2,643,136, June 23.

Schettler, William R., Lawrence Park, Pa., assignor to General Electric Company. Hand brake arrangement. 2,657,771, Nov. 3.

Schetty, Guido, assignor to J. R. Geigy A. G., Basel, Switzerland. Disazo dyestuffs. 2,650,915, Sept. 1.

Schetzer, Charles H., Goodland, Kans. Footrest for automotive vehicle drivers. 2,651,944, Sept. 15.

Scheuer, Clemens, Forest Hills, N. Y. Adjustable shelf mounting. 2,628,141, Feb. 10.

Scheuer, Ernst, Stone, England, assignor, by mesne assignments, to Aluminium Laboratories Limited, Montreal, Quebec, Canada. Distillation of aluminum from aluminum alloys. 2,625,472, Jan. 13.

Scheuer, Lewis J.: *See*—
Newell, William H., McKenney, and Scheuer.

Scheuerman, Albert, Sutter, and O. L. Smith, Carthage, Ill. Bathtub chair. 2,664,142, Dec. 29.

Scheuerman, Valentine, Union, assignor to Conmar Products Corporation, Newark, N. J. Manufacture of slide fastener wire. 2,643,559, June 30.

Scheuermann, Otto G., Westfield, assignor to Conmar Products Corporation, Newark, N. J. Length control for slide fastener machines. 2,661,044, Dec. 1.

Scheuermeier, Eduard: *See*—
Allen, Ernest C., and Scheuermeier.

Scheuing, Georg, and C. Vogelbach, assignors to E. Boehringer, A. Boehringer, J. Liebrecht, I. Liebrecht, born Boehringer, trading under the firm of C. H. Boehringer Sohn, Ingelheim am Rhine, Germany. Purification of chlorocyclohexanes. 2,653,174, Sept. 22.

Scheurer, Paul P., Wichita Falls, Tex. Air heating furnace for above and below floor mounting. 2,658,503, Nov. 10.

Scheuring, Charles E., assignor to Emerson-Scheuring Tank and Manufacturing Company, Inc., Indianapolis, Ind. Separable pressure vessel quick clamp. 2,640,717, June 2.

Schevenell, Leonard O., assignor to Illinois Tool Works, Chicago, Ill. Screw with self-drilling end. 2,654,284, Oct. 6.

Schibler, Luzius, Basel, Switzerland, assignor to Ciba Limited. Three-phase emulsion of artificial resins. 2,632,740, Mar. 24.

Schicht, Heinrich, Huckeswagen, assignor to W. Ferd. Klingelnberg Sohne, Remischeid-Berghausen, Germany. Tooth face grinder. 2,660,839, Dec. 1.

Schichtl, Clarence J., Yakima, Wash. Liquid cleaning device. 2,646,888, July 28.

Schick, Frederick A., and P. Knaust, Springfield, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cartridge type seal. 2,639,170, May 19.

Schick Incorporated, assignee: *See*—
Kahn, Samuel, and Mabry.

Schick, John W., Camden, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Thiophene amines. 2,625,550, Jan. 13.

Schiedel, George M., Ypsilanti, assignor to Ford Motor Company, Dearborn, Mich. Cutout inspection device. 2,648,817, Aug. 11.

Schiefelbein, Walter M., assignor to A. O. Smith Corporation, Milwaukee, Wis. Erecting apparatus for storage structures. 2,627,390, Feb. 3.

Schield, Bantam Company, assignee: *See*—
Schield, Vern L.

Schield, Vern L., assignor to Schield Bantam Company, Waverly, Iowa. Detachable trench hoe spade. 2,652,640, Sept. 22.

Schieler, Albert M., St. Louis, and E. C. Jackson, Clayton, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway vehicle framing. 2,640,443, June 2.

Schieman, David G., Dayton, Ohio. Precision gauge. 2,624,949, Jan. 13.

Schiemann, Fred J., Denver, Colo. Fluid bleeding apparatus. 2,644,548, July 7.

Schiemann, George L., Belford, assignor of one-third to H. R. Schubel, Keansburg, one-third to H. P. Tomaini, Long Branch, and one-third to R. G. Schiemann, Belford, N. J. Male and female "C" clamp combination. 2,636,527, Apr. 28.

Schiemann, Robert G., assignee: *See*—
Schiemann, George L.

Schier, Alvin C., Jr., and R. V. Layton, Port Hadlock, Wash. Tire air pressure gauge. 2,630,013, Mar. 3.

Schiermeier, Knapel F., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Making calcium sulfate from refinery waste acid. 2,655,430, Oct. 13.

Schiermeier, Knapel F., Alton, and P. W. Jones, East Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Rust inhibiting composition. 2,632,709, Mar. 24.

Schiermeier, Knapel F., and H. A. Poitz, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Rust inhibiting composition. 2,661,296, Dec. 1.

Schiess Aktiengesellschaft, assignee: *See*—
Keyser, Johann J.

Schiff, Floyd F., Chicago, Ill. Anchoring stake. 2,633,947, Apr. 7.

Schiff, Sigmund, Cincinnati, Ohio, assignor to the United States of America as represented by the Secretary of War. Gun shell feeding mechanism. 2,647,442, Aug. 4.

Schiffer, Carl: *See*—
Schiffer, Maximilian, and C.

Schiffer, Maximilian, and C., Rheydt, Germany. Die casting method for the manufacture of brushes. 2,630,601, Mar. 10.

Schiffman, Murray M., New York, N. Y. Garment hanger. 2,643,036, June 23.

Schild, A. S. A., assignee: *See*—
Dubois, Georges.

Schild, Otto, La Chaux de Fonds, Switzerland. Self-winding clock. 2,646,660, July 28.

Schildknecht, Calvin E., Montclair, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Polyvinyl pyrrolidone gels and producing the same. 2,658,045, Nov. 3.

Schildt, John, Baldwin, N. Y. Curl clip. 2,638,908, May 19.

Schilke, Arthur G.: *See*—
Beckman, William R., Schilke, and Crooks.

Schill, Bernard J., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Wheel suspension. 2,641,510, June 9.

Schiller, Arthur M.: *See*—
Suen, Tzeng J., and Schiller.

Schiller, Charles, Elmont, N. Y. Gravity-actuated movable doll. 2,641,866, June 16.

Schiller, Walter, Forestville, Calif. Fish lure. 2,645,052, July 14.

Schiller, William G., Segregansett, Mass., assignor to Swank, Inc. End construction for billfolds. 2,650,631, Sept. 1.

Schilling, Arden L., Decatur, Ind. Muting bar for electrical musical instruments. 2,647,430, Aug. 4.

Schilling, Clarence J., Allentown, assignor to Air Products, Incorporated, Emmaus, Pa. Air fractionating cycle and apparatus. 2,626,510, Jan. 27.

Schilling, Clarence J., Allentown, Pa., assignor to Air Products Incorporated. Method and apparatus for pumping volatile liquids. 2,657,541, Nov. 3.

Schilling, Clarence J., Allentown, Pa., assignor to Air Products, Incorporated. Defrosting gas separation systems. 2,663,168, Dec. 22.

Schilling, George H.: *See*—
Wilson, Christopher L., and Schilling.

Schilling, Hugh K., St. Paul, Minn. Egg lifter. 2,660,469, Nov. 24.

Schilling, John B., and F. F. Jones, Portland, Oreg. Barrel, reflector base, and associated parts for electric lanterns. 2,653,218, Sept. 22.

Schilling, Paul A., assignor to Waldorf Paper Products Company, St. Paul, Minn. Covered tray. 2,660,362, Nov. 24.

Schilling, Paul A., T. G. Mairs, and J. B. Baird, assignors to Waldorf Paper Products Company, St. Paul, Minn. Cellular case. 2,647,679, Aug. 4.

Schilling, Paul K., Waterville, Maine, assignor, by mesne assignments, to General Package Corporation. Egg carton. 2,655,305, Oct. 13.

Schilling, Robert: *See*—
Dolza, John, Burrell, Sherrick, and Schilling.

Schillinger, Willy A., assignor to Zero Hour Bomb Company, Tulsa, Okla. Well bridge. 2,646,845, July 28.

Schilperoord, Pieter B. A.: *See*—
Jonker, Gerard H., and Schilperoord.

Schilt, Earl A., assignor to Zaremba Company, Buffalo, N. Y. Falling film evaporator with subjacent separating chamber. 2,624,401, Jan. 6.

Schimpf, Luther G.: *See*—
Kock, Winston E., and Schimpf.

Schimpf, Luther G., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Light repeater for pulse communication systems. 2,634,366, Apr. 7.

Schinck, Arthur W.: *See*—
Kroll, Alfred J., and Schinck.

Schindler, Charles F.: *See*—
Abbott, John A., Barber, Newman, and Schindler.

Schindler, Frank S., and R. K. Titus, Elgin, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Reinforced flexible conduit. 2,644,487, July 7.

Schindler, Harold C., Euclid, assignor to The Euclid Road Machinery Co., Cleveland, Ohio. Cylinder and piston construction. 2,647,809, Aug. 4.

Schindler, Harold C., assignor to The Euclid Road Machinery Co., Euclid, Ohio. Air booster steering. 2,660,255, Nov. 24.

Schindler, Lillian K., administratrix: *See*—
Abbott, John A., Barber, Newman, and Schindler.

Schinke, Ralph: *See*—
Hintz, Otto E., and Schinke.

Schipper, Robert J., Fort Mitchell, Ky., and R. A. Stacy, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Kinescope residual beam extinction circuit. 2,638,562, May 12.

Schirmer, Erhard, Irvington, N. J., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Labeling machine. 2,631,748, Mar. 17.

Schiro, George, Chicago, Ill. Foot washer. 2,641,771, June 16.

Schittenhelm, Rudolf: *See*—
Gund, Konrad, Berger, Scheer, and Schittenhelm.

Schjolin, Hans O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Fluid actuator clutch control. 2,640,368, June 2.

Schlage, Anna, executrix: *See*—
Schlage, Walter R.

Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Door lock. 2,629,250, Feb. 24.

Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Reboring jig. 2,633,040, Mar. 31.

Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Door lock. 2,650,121, Aug. 25.

Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Faceplate for door locks. 2,655,030, Oct. 13.

Schlage, Ernest L., Burlingame, B. M. Craig, Pasadena, and M. J. McAneny, Los Angeles, Calif., said Schlage and said Craig assignors to said McAneny. Strap fastening tool. 2,643,687, June 30.

Schlage Lock Company, assignee: *See*—
Conklin, Robert M., and Scharf.
Schlage, Ernest L.
Schlage, Walter R.

Schlage, Walter R., deceased, Burlingame, Calif., by A. Schlage, executrix, Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Reversible dead latch. 2,661,972, Dec. 8.

Schlagel, Charles, Inglewood, Calif. Milling attachment for lathes. 2,651,239, Sept. 8.

Schlageter, Harold J., Bremerton, Wash. Closure remover with jaw wheels controlled by intersecting cam and radial slots. 2,644,354, July 7.

Schlairet, Paul J., Mount Vernon, Ohio. Tow bar. 2,628,107, Feb. 10.

Schlanger, Samuel L., Brooklyn, N. Y. Vending machine mechanism. 2,646,153, July 21.

Schlank, Eugene A., Cincinnati, Ohio. Machine for straightening metal drums. 2,649,129, Aug. 18.

Schläpfer, Reinhard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Water-soluble compound of theophylline and 3-aminomethyl-pyridine and manufacture thereof. 2,653,939, Sept. 29.

Schlatter, Carl, Wilmington, Del., J. B. Eisen, S[r]. and G. D. Jefferson, Kennett Square, Pa. Coate[d] and textiles and emulsions for producin[g] 2,663,989, Dec. 29.

Schlatter, Maurice J., El Cerrito, assignor to [C]Research Corporation, San Francisco, Calif. [P]benzene carboxylic acid and preparing it. [1] Apr. 14.

Schlecht, Leo: *See*—
Ackermann, Karl, and Schlecht.

Schlecht, Leo, and E. Oestreicher, Ludwigshafen, assignors to Badische Anilin- & Soda-Fabrik [A]sellschaft, Ludwigshafen (Rhine), Rheinl[and] Bundesrepublik Germany. Production of m[o]ders. 2,663,630, Dec. 22.

Schlecht, Robert H. E., Affton, Mo. Punching [m]for sheet or strip material. 2,664,161, Dec.

Schlegel, Franz, Munich, Germany, assignor to H[ans] Chicago, Ill. Telephoto objective. 2,631,497,

Schlegel, Walter L., Jr., assignor to American Ste[el] ries, Chicago, Ill. Snubbed truck. 2,632,407,

Schleicher, Harold E., West Hartford, assigno[r] Arrow-Hart & Hegeman Electric Company, Conn. Electric switch contact assembly. Aug. 4.

Schleif, Edwin H., Inwood, N. Y. Variable-spe[ed] assembly. 2,645,946, July 21.

Schleifenbaum, Werner, Leverkusen-Bayerwerk, to Farbenfabriken Bayer, Leverkusen, German[y] azodyestuff. 2,660,576, Nov. 24.

Schleifer, Carlo, Milan, Italy. Rectilinear con[-] chine for working textile fibers founded on the principle. 2,663,053, Dec. 22.

Schleimer, Floyd V., San Francisco, Calif. Fle[x]dult cutting tool. 2,654,941, Oct. 13.

Schlender, William H., assignor to Boeing Airpl[a] pany, Seattle, Wash. Aircraft with quadric[y] ing gear. 2,659,555, Nov. 17.

Schlenk, Carl F., Cleveland Heights, E. W. C[lark] Lakewood, and R. L. Patrick, assignors to [the] Stove Company, Cleveland, Ohio. Top burner including a flash tube lighter for cooking ranges. 2,649,850, Aug. 25.

Schlenker, Max E., Peru, Ill., assignor to Gen[eral] Corporation, New York, N. Y. Clock. May 19.

Schlenker, Vesper A.: *See*—
Ulrich, Robert E., and Schlenker.

Schlenz, Harry E., Glencoe, assignor to Pacific F[lush] Company, Chicago, Ill. Furnace and control [for] gaseous and liquid fuel burners. 2,635,813, A[pr.]

Schlepper, Karl, Koppern, assignor to Metallge[sell] Aktiengesellschaft, Frankfurt-on-the-Main, Apparatus for discharging ash from gas [p]2,626,210, Jan. 20.

Schleret, Armand P.: *See*—
Danielsen, August A., and Schleret.

Schlesinger, Arthur H.: *See*—
Erickson, Floyd B., and Schlesinger.
Kosmin, Milton, and Schlesinger.
Mowry, David T., and Schlesinger.

Schlesinger, Arthur H., Dayton, Ohio, assignor [to] santo Chemical Company, St. Louis, Mo. [H]composition. 2,624,665, Jan. 6.

Schlesinger, Arthur H., Dayton, Ohio, assignor [to] santo Chemical Company, St. Louis, Mo. [H]composition. 2,634,200, Apr. 7.

Schlesinger, Arthur H., Dayton, Ohio, assignor [to] santo Chemical Company, St. Louis, Mo. [H]plants. 2,653,864, Sept. 29.

Schlesinger, Arthur H., Dayton, Ohio, assignor [to] santo Chemical Company, St. Louis, Mo. [H]compositions. 2,661,273, Dec. 1.

Schlesinger, Arthur H., Dayton, Ohio, assignor [to] santo Chemical Company, St. Louis, Mo. [H]compositions. 2,661,274, Dec. 1.

Schlesinger, Arthur H., and M. Kosmin, Day[ton] assignors to Monsanto Chemical Company, Mo. Herbicides. 2,630,381, Mar. 3.

Schlesinger, Arthur H., and D. T. Mowry, Day[ton] assignors to Monsanto Chemical Company, Mo. 3-(cyanomethyl) thianaphthene-1, 2,658,068, Nov. 3.

Schlesinger, Arthur H., and D. T. Mowry, Day[ton] assignors to Monsanto Chemical Company, St. Herbicides. 2,661,276, Dec. 1.

Schlesinger, Hermann I., Chicago, Ill., and H. [B.] Detroit, Mich., assignors to the United States [of] ica as represented by the United States Aton[ic] Commission. Uranium complexes of heteroc[yclic] tones. 2,636,886, Apr. 28.

Schlesinger, Kurt, Maywood, assignor to Moto[rola] Chicago, Ill. Synchronizing pulse differenti[ator] rectifying circuit. 2,628,276, Feb. 10.

Schlesinger, Kurt, Maywood, assignor to Moto[rola] Chicago, Ill. Synchronization system. Feb. 10.

Schlesinger, Kurt, Maywood, assignor to Moto[rola] Chicago, Ill. Television gain control system. Mar. 17.

Schlesinger, Kurt, Maywood, assignor to Moto[rola] Chicago, Ill. Noise squelch system for tel[e]ceivers. 2,632,800, Mar. 24.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Double triode clamping circuit for direct current reinsertion. 2,647,161, July 28.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. High-frequency loop antenna system. 2,650,303, Aug. 25.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Television antenna. 2,650,304, Aug. 25.

Schlesinger, Kurt, Maywood, assignor to Motorola, Inc., Chicago, Ill. Deflection circuits. 2,664,521, Dec. 29.

Schlesman, Carleton H., Washington, D. C., assignor to Socony-Vacuum Oil Company, Incorporated. Attenuator for recording systems. 2,656,468, Oct. 20.

Schleyer, Victor, Anderson, Ind. Pump. 2,634,680, Apr. 14.

Schlichtig, Ralph C., Dishman, Wash. Rotary aspirator pump. 2,630,963, Mar. 10.

Schlichting, Otto, Ludwigshafen (Rhine), E. Jutz, Schifferstadt, and W. Rohland, Ludwigshafen (Rhine-Oppau), assignors to Badische Anilin- & Soda-Fabrik Aktiengesellschaft, Ludwigshafen am Rhine, Germany. 1-nitroanthraquinone-3-carboxylic acid and producing it. 2,659,738, Nov. 17.

Schlicksupp, Theodore F., Long Island City, N. Y. Candy wrapping machine. 2,627,709, Feb. 10.

Schlicksupp, Theodore F., Long Island City, N. Y. Self-closing collapsible tube. 2,628,004, Feb. 10.

Schlieder, Leland F., Manchester, Vt. Chalk holder or the like. 2,656,605, Oct. 27.

Schlitt, William M., Bay City, Mich. Plant basket removing implement. 2,658,309, Nov. 10.

Schlitters, Michael J., Detroit, Mich. Knurling and burnishing tool holder. 2,645,953, July 21.

Schlitz, Jos., Brewing Company, assignee: *See*—
Steckling, Charles W.

Schloen, John H., and K. Ekler, Montreal, Quebec, assignor to Canadian Copper Refiners Limited, Montreal East, Quebec, Canada. Process of and electrolyte for refining copper. 2,660,555, Nov. 24.

Schloss, Morris, Bronx, N. Y. Rotary buff. 2,637,149, May 5.

Schlotmann, Karl, Massen, near Unna, assignor to Maschinenfabrik Stromag-G. m. b. H., Unna, Germany. Flexible coupling. 2,648,958, Aug. 18.

Schlotter, John N.: *See*—
Mierley, George M., and Schlotter.

Schlough, Leon H., Waite Park, and W. E., assignors to Northwest Concrete Products Co., St. Cloud, Minn. Concrete block handling device. 2,646,180, July 21.

Schlough, Wesley E.: *See*—
Schlough, Leon H. and W. E.

Schlueter Co., The, assignee: *See*—
Losching, Bernard H.

Schlueter, Ernest, Hollis, assignor, by mesne assignments, to Simmons Fastener Corporation, Albany, N. Y. Fastening device. 2,629,913, Mar. 3.

Schlueter, Ernest, Hollis, assignor, by mesne assignments, to Simmons Fastener Corporation, Albany, N. Y. Fastening device. 2,659,952, Nov. 24.

Schlueter, Ernest, Troy, N. Y. Lawn edge trimmer and weed puller. 2,651,905, Sept. 15.

Schlueter, Ernest, Troy, N. Y. Weed cutter. 2,651,907, Sept. 15.

Schlueter, George H.: *See*—
Pirwitz, Friedrich A. G. and G. P., Sutton, and Schlueter.

Schlumberger Well Surveying Corporation, assignee: *See*—
Broding, Robert A.
Krasnow, Shelley, and Curtiss.
Krasnow, Shelley, and Test.
Legrand, Jean C.
Zimmerman, Carl W.

Schlumbohm, Peter, New York, N. Y. Portable icebox. 2,652,698, Sept. 22.

Schlumbohm, Peter, New York, N. Y. Centrifugal fan. 2,655,310, Oct. 13.

Schmalz, Henry H., Des Plaines, assignor to The Rauland Corporation, Chicago, Ill. Combination holder and vacuum-tight seal for envelopes. 2,657,846, Nov. 3.

Schmelkes, Frank C., deceased, Montclair, N. J., by M. Schmelkes, executrix, Montclair, N. J., assignor to Wallace & Tiernan Company, Inc. Monobenzyl ether of diethylstilbestrol. 2,655,080, Nov. 3.

Schmelkes, Margarete, executrix: *See*—
Schmelkes, Frank C.

Schmelzle, Ambrose F.: *See*—
Hendricks, James O., and Schmelzle.

Schmerl, Egon F., Piedmont, Calif. Cervical traction frame. 2,649,856, Aug. 25.

Schmerling, Louis: *See*—
Haensel, Vladimir, and Schmerling.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of haloolefinic compounds. 2,626,962, Jan. 27.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of halobicycloalkyl aromatic compounds. 2,629,749, Feb. 24.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of aryl haloalkanes. 2,631,172, Mar. 10.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation by modified aluminum halide catalyst. 2,646,452, July 21.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polyalkylene glycol esters of alkyltetrahydrophenylalkanoic acids. 2,648,693, Aug. 11.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of alumina containing catalytic composites. 2,651,617, Sept. 8.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of ketones. 2,658,919, Nov. 10.

Schmertz, William E., Pittsburgh, Pa. Heat recovery apparatus. 2,641,456, June 9.

Schmid, Edward C., assignor to Knapp-Monarch Company, St. Louis, Mo. Fin type radiator. 2,646,972, July 28.

Schmid, Herman, and A. P. Hobush, assignors to Incoro, Inc., Kingston, N. Y. Automatic weigher. 2,641,436, June 9.

Schmid, Max, Riehen, and E. Moser, assignors to Ciba Limited, Basel, Switzerland. Manufacture of pyrazolones. 2,637,732, May 5.

Schmid, Paul E., assignor to Reed Roller Bit Company, Houston, Tex. Valve unit. 2,636,513, Apr. 28.

Schmid, Paul E., assignor to Reed Roller Bit Company, Houston, Tex. Rotatably mounted muffler assembly 2,643,731, June 30.

Schmid, Paul E., assignor to Reed Roller Bit Company, Houston, Tex. Impact hammer element. 2,663,395, Dec. 22.

Schmid, Roy J., Camp Cooke, Calif. Severable aircraft. 2,654,320, Oct. 6.

Schmid, Walter, assignor to Stewart-Warner Corporation, Chicago, Ill. Measuring valve for centralized lubricating systems. 2,626,014, Jan. 20.

Schmidgall, John R., Los Angeles, Calif. Frame construction. 2,654,451, Oct. 6.

Schmidle, Claude J., Moorestown, N. J., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of benzoins and furoins. 2,661,354, Dec. 1.

Schmidle, Claude J., Moorestown, and R. C. Mansfield, Riverton, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Carboalkoxyethylation reactions in presence of certain anion-exchange resins. 2,658,070, Nov. 3.

Schmidlin, Julius: *See*—
Miescher, Karl, and Schmidlin.
Miescher, Karl, Wettstein, and Schmidlin.

Schmidt, Andrew A., assignee: *See*—
Hoffar, Charles F.

Schmidt, Arnold W., and J. P. Malik, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Knitted pile fabrics and manufacture. 2,630,619, Mar. 10.

Schmidt, August M., Gary, Ind. Valve silencer and shock resistor unit. 2,625,919, Jan. 20.

Schmidt, Benjamin F., Los Angeles, Calif. Diaphragm pump and system. 2,646,000, July 21.

Schmidt, Benjamin F., Los Angeles, Calif. Hydraulic pump. 2,657,636, Nov. 3.

Schmidt, Carl O., Jr., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Unloader attachment for tripe scalders. 2,654,458, Oct. 6.

Schmidt, Carl O., Jr., Cincinnati, and F. A. Zaenkert, Greenhills, assignors to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Cradle control for carcass dehairing device. 2,648,871, Aug. 18.

Schmidt, Charles E., Ocean Springs, Miss. Hydrostatic level. 2,641,061, June 9.

Schmidt, Charles H., Jr., Kenmore, N. Y. Bubble producing machine. 2,632,281, Mar. 24.

Schmidt, Edgar H.: *See*—
Johnson, Charles R., and Schmidt.

Schmidt, Edward, executor: *See*—
Schmidt, Paul.

Schmidt, Edward C., Jr., Cleveland, Ohio, assignor to E. L. Pucel. Building structure. 2,635,538, Mar. 24.

Schmidt, Edward G.: *See*—
Cantalupo, Francis J., De Craene, Schmidt, Yant, and Setka.
Magos, John P., Schmidt, and De Craene.

Schmidt, Edward G., La Grange, and J. E. Svabek, Jr., assignors to Crane Co., Chicago, Ill. Pilot valve and indicator construction. 2,652,851, Sept. 22.

Schmidt, Edward G., La Grange, and C. R. Stone, Lombard, assignors to Crane Co., Chicago, Ill. Single handle thermostatic mixing valve. 2,657,860, Nov. 3.

Schmidt, Edward G., La Grange, and F. J. Cantalupo, assignors to Crane Co., Chicago, Ill. Closure for pressure vessels. 2,662,663, Dec. 15.

Schmidt, Edwin X., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Method of and apparatus for mixing combustible gases. 2,637,638, May 5.

Schmidt, Elmer V.: *See*—
Mann, William H., and Schmidt.

Schmidt, Erich, Bad Reichenhall, and R. Schnegg, Dormagen, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Preparation of carbodiimides. 2,656,383, Oct. 20.

Schmidt, Ernst: *See*—
Wohler, Leonard A., and Schmidt.

Schmidt, Francis M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ stop control. 2,639,639, May 26.

Schmitt, Frank R., Queens Village, N. Y., assignor, by mesne assignments, to American Machine & Foundry Company. Bread wrapping. 2,632,985, Mar. 31.

Schmidt, Fred W., Jr., Cedar Grove, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Tuning device for high-frequency electrical energy. 2,631,241, Mar. 10.

Schmidt, Fred W., Jr., Cedar Grove, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Adjustable inductance. 2,646,553, July 21.

Schmidt, Fred W., Jr., Cedar Grove, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Band pass filter circuit. 2,661,459, Dec. 1.

Schmidt, Frederick W., Branford, W. F. Moore, and A. R. Edberg, assignors to The A. C. Gilbert Company, New Haven, Conn. Hinge mounting for angular adjustment. 2,660,368, Nov. 24.

Schmidt, Frieda W., Tarrytown, N. Y. Massaging device. 2,641,256, June 9.

Schmidt, George F., assignor of fifty per cent to G. H. Schmidt, Decatur, Ill. Boxcar grain unloader. 2,649,189, Aug. 18.

Schmidt, George H., assignee: *See*—
Schmidt, George F.

Schmidt, Gordon D., Kansas City, assignor to Hume Manufacturing Company, North Kansas City, Mo. Cover structure for hollow bodies having improved actuating and carrying means therefor. 2,635,780, Apr. 21.

Schmidt, Hans, Wuppertal-Vohwinkel, Germany, assignor, by mesne assignments, to Schenley Laboratories, Inc., New York, N. Y. Preparation of hydroxy-carboxylic acids. 2,650,936, Sept. 1.

Schmidt, Hans, Wuppertal-Vohwinkel, and R. Behnisch, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Nitroaromatic-benzalthiosemicarbazones. 2,651,660, Sept. 8.

Schmidt, Hans, Wuppertal-Vohwinkel, R. Behnisch, and F. Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Substituted monothiosemicarbazones of diformylbenzenes. 2,664,425, Dec. 29.

Schmidt, Hans, Wuppertal-Vohwinkel, and F. Mietzsch, and R. Behnisch, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Aryloxybenzaldehydethiosemicarbazones. 2,657,235, Oct. 27.

Schmidt, Jerome H., Burbank, Calif. Garden tool. 2,650,530, Sept. 1.

Schmidt, Job, and F. Frielinghaus, assignors to Westfalenhütte Dortmund Aktiengesellschaft, Dortmund, Germany. Reeling furnace for hot band rolling. 2,628,790, Feb. 17.

Schmidt, Job, and F. Frielinghaus, assignors to Westfalenhutte, Dortmund Aktiengesellschaft, Dortmund, Germany. Rolling mill for rolling strips or bands and sheets of steel and nonferrous metals. 2,658,741, Nov. 10.

Schmidt, John, assignor to Crown Can Company, Philadelphia, Pa. Dispensing container and slitted resilient valve therefor. 2,662,668, Dec. 15.

Schmidt, John, assignor to Crown Can Company, Philadelphia, Pa. Dispensing container and slitted resilient valve therefor. 2,662,669, Dec. 15.

Schmidt, Joseph F., Scotch Plains, N. J., assignor to General Motors Corporation, Detroit, Mich. Welding control. 2,625,651, Jan. 13.

Schmidt, Karl, Gesellschaft mit Beschraenkter Haftung, assignee: *See*—
Kuhm, Max.

Schmidt, Karl O., Idar-Oberstein, Germany. Travel alarm clock with sliding case. 2,640,668, June 2.

Schmidt, Lewis W., and H. V. Lea, Rio Vista, Calif. Beet harvester for wheel-type tractors. 2,637,155, May 5.

Schmidt, Lloyd K., assignor of one-half to A. M. Jongeneel, Walnut Grove, Calif. Portable ditch pump. 2,664,052, Dec. 29.

Schmidt, Lothar M., Syracuse, N. Y. assignor to General Electric Company. Decimal counting and indicating system. 2,630,969, Mar. 10.

Schmidt, Louis, North Plainfield, N. J. Replacement casing for toilet seats. 2,655,666, Oct. 20.

Schmidt Mfg. Co., assignee: *See*—
Schmidt, Vincent R.

Schmidt, Marie W.: *See*—
Menz, Emil, and Schmidt.

Schmidt, Mark S.: *See*—
Fredenhagen, Walter S., and Schmidt.

Schmidt, Otto M., Newtown Square, assignor, by mesne assignments, to Textile Machine Works, Wyomissing, Pa. Thread carrier. Re. 23,648, Apr. 21.

Schmidt, Otto W., Kansas City, Kans., and W. C. Martin, Wooster, Ohio. Drainage tube. 2,663,997, Dec. 29.

Schmidt, Paul: *See*—
Druey, Jean, and Schmidt.

Schmidt, Paul, deceased, Arlington, N. J.; E. Schmidt, S. Radics, and H. Susser, executors. Folding umbrella rib. 2,653,619, Sept. 29.

Schmidt, Paul, Wytheville, Va., assignor to Textile Machine Works, Wyomissing, Pa. Thread tension arrangement for knitting machines. 2,660,041, Nov. 24.

Schmidt, Peter, Stuttgart-Vaihingen, Germany. Turning furnace for metallurgical purposes. 2,654,591, Oct. 6.

Schmidt, Peter J., Everett, Wash. Aileron control system. 2,628,045, Feb. 10.

Schmidt, Robert W.: *See*—
Zabel, Lowell W., Schmidt, and Caston.

Schmidt, Thur, Chicago, Ill. Radio antenna. Apr. 14.

Schmidt, Thur, Chicago, Ill. Storage and
2,664,219, Dec. 29.

Schmidt, Vincent R., Fairhaven, assignor to Sc
Co., New Bedford, Mass. Lifting dolly.
Jan. 6.

Schmidt, Walter M., assignor to Western P
Corporation, Los Angeles, Calif. Collectin
construction for electrical precipitators.
Mar. 17.

Schmidt, William C., assignor to The Cincinna
Supply Company, Cincinnati, Ohio. Cu
2,635,663, Apr. 21.

Schmidt-Nickels, Wilhelm, Little York, N. J.,
General Aniline & Film Corporation, New
Vat dye and intermediate. 2,648,676, Au

Schmidt-Thomé, Josef, Frankfurt am Ma
liederbach, assignor to Farbwerke Hoechs
sellschaft vormals Meister Lucius and Brün
furt am Main Hochst, Germany. Prepar
compounds of the steroid series. 2,655,519,

Schmidt-Thomé, Josef, Frankfurt am Ma
liederbach, assignor to Farbwerke Hoechs
sellschaft vormals Meister Lucius und Brün
furt am Main Hochst, Germany. Prepar
compounds of the steroid series. 2,655,520,

Schmied, Joseph M., assignor to White Ga
Chicago, Ill. Article feeding mechanism.
Oct. 20.

Schmieg Industries, Inc., assignee: *See*—
Schmieg, John D.

Schmieg, John D., Pleasant Ridge, assignor
Industries, Inc., Detroit Mich. Cupola du
2,630,880, Mar. 10.

Schmiser, Maurine, assignee: *See*—
Schroeder, Henry L.

Schmit, Robert R.: *See*—
Shannon, John K., and Schmit.

Schmitkons, George E.: *See*—
Cropper, Wendell P., and Schmitkons.

Schmitt, Carl M., Villa Park, Ill. Work holde
and clamped between vise jaws. 2,645,963,

Schmitt, Charles J., assignor to Lovejoy Flexi
Co., Chicago, Ill. Tiltable support. 2,662,7

Schmitt, Frank R., Queens Village, N. Y.
metallic belt. 2,639,025, May 19.

Schmitt, Harry A., Shorewood, and W. H.
waukee, Wis. Shore protection. 2,662,37

Schmitt, Heinz E., Dayton, Ohio. Air-coo
blade. 2,648,520, Aug. 11.

Schmitt, Henry M., Glenside, Pa., assignor to
Honeywell Regulator Company, Minneapolis,
motor controller with self-balancing po
2,625,911, Jan. 20.

Schmitt, John A., assignor to The Upjohn Com
mazoo, Mich. Isolation of 2,4-diamin
2,647,898, Aug. 4.

Schmitt, Otto H., Mineola, N. Y., assignor to
States of America as represented by the S
the Navy. Transceiver system. 2,648,063,

Schmitt, Otto H., Port Washington, N. Y., ass
United States of America as represented by
tary of the Navy. Magnetic investigation.
Jan. 20.

Schmitt, Otto H., Port Washington, N. Y., ass
United States of America as represented by
tary of the Navy. Voltage regulator system
low voltage regulation. 2,629,855, Feb. 24.

Schmitt, Otto H., Port Washington, N. Y., ass
United States of America as represented by
tary of the Navy. Torque amplifier. 2,632,

Schmitt, Otto H., Port Washington, N. Y., ass
United States of America as represented by
tary of the Navy. Inertia control and dam
for galvanometers. 2,638,492, May 12.

Schmitt, Page M., Bethesda, Md., assignor to
neering Company, Washington, D. C. Va
and direction power unit. 2,660,861, Dec. 1.

Schmitt, Richard R., Kansas City, Mo. Tire
dicator. 2,635,577, Apr. 21.

Schmitt, Robert A., and J. P. Swed, Gibbstow
Williams, Woodbury, N. J., assignors to E.
de Nemours & Company, Wilmington, De
machine. 2,644,117, June 30.

Schmitt, William C., Hackensack, N. J., assig
eral Telephone and Radio Corporation, Ne
Y. Jacket for water-cooled tubes. 2,657,0

Schmitter, Walter P., assignor to The Falk
Milwaukee, Wis. Pump mounting and drive
Apr. 14.

Schmitter, Walter P., assignor to The Falk
Milwaukee, Wis. Multiple power takeoff t
2,654,267, Oct. 6.

Schmitz, Albert A., Racine, Wis. Two-row
2,637,263, May 5.

Schmitz, Fred W., assignor to Commercial Sol
ration, Terre Haute, Ind. Noncorrosive cho
composition. 2,647,927, Aug. 4.

Schmitz, Frederick W., Irvington, N. Y. Va
charge therefor. 2,624,925, Jan. 13.

Schmitz, Mattheus J., and R. B. Buchner, Hilversum, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Time-limiting circuit arrangement. 2,663,763, Dec. 22.

Schmitz, William R.: *See*—
Londergan, Thomas E., and Schmitz.

Schmitz, William R., Jr., Newark, N. J. Staple fiber cutter. 2,631,667, Mar. 17.

Schmoll, William J.: *See*—
Palmer, Oscar C., and Schmoll.

Schmutzler, Alfred F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Tall oil-polyamino-aldehyde reaction product. 2,640,814, June 2.

Schmutzler, Alfred F., Teaneck, N. J., assignor to American Cyanamid Company, New York, N. Y. Printing inks and producing the same. 2,631,986, Mar. 17.

Schmutzler, Alfred F., Teaneck, N. J., assignor to American Cyanamid Company, New York, N. Y. Printing inks. 2,636,015, Apr. 21.

Schnuziger, Oscar, Ruschlikon, Switzerland. Elastic sleeve. 2,648,247, Aug. 11.

Schnabel, Fred C., St. Louis Park, Minn. Drip tray for paint cans. 2,630,241, Mar. 3.

Schneckloth, Harry H., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selecting and two-way translating system. 2,633,498, Mar. 31.

Schneckloth, Raymond C., McCausland, Iowa. Bowl and frame adjustment for earth-moving scrapers. 2,624,960, Jan. 13.

Schnee, Charles F., Setauket, N. Y. Surgical clamp. 2,659,371, Nov. 17.

Schnegg, Robert: *See*—
Schmidt, Erich, and Schnegg.

Schneible, Claude B., Detroit, and A. S. Lundy, Huntington Woods, assignors to Claude B. Schneible Company, Inc., Detroit, Mich. Cupola stack or tower. 2,643,867, June 30.

Schneible, Claude B., Company, Inc., assignee: *See*—
Schneible, Claude B., and Lundy.

Schneider, Abraham: *See*—
Bartlett, Paul D., Dauben, and Schneider.
Kennedy, Robert M., and Schneider.

Schneider, Abraham, assignor to Sun Oil Company, Philadelphia, Pa. Separation of isomeric aromatic compounds. 2,648,713, Aug. 11.

Schneider, Adolf G., assignor to Schneider Brothers Company, Muncie, Ind. Hydraulic-mechanical transmission. 2,641,144, June 9.

Schneider, Andrew, Saginaw, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Making self-locking screws. 2,636,194, Apr. 28.

Schneider Brothers Company, assignee: *See*—
Schneider, Adolf G.

Schneider, Carl, Rapid City, S. Dak. Step adjusting separable fastener. 2,640,239, June 2.

Schneider, Earl O., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Underwater screening. 2,638,220, May 12.

Schneider, Edward F., Philadelphia, Pa. Smoking pipe. 2,647,522, Aug. 4.

Schneider, Edwin G., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Range selector circuit. 2,644,156, June 30.

Schneider, Elmer, Chicago, assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Reversible motor control system. 2,648,040, Aug. 4.

Schneider, F. K., assignee: *See*—
Roberts, John F.

Schneider, Frank L., Douglaston, N. Y. Decontaminating hot wet gases or steam. 2,633,931, Apr. 7.

Schneider, Frederick C.: *See*—
Long, Marion V., and Schneider.

Schneider, Frederick H.: *See*—
Gluyas, Thomas M., Jr., and Schneider.

Schneider, Hans, assignor of one-half to J. Schneider, La Chaux-de-Fonds, Switzerland. Atomizer. 2,649,334, Aug. 18.

Schneider, Harold N., Springfield, Pa., assignor to General Electric Company. Electric circuit breaker. 2,636,961, Apr. 28.

Schneider, Helmuth G., Westfield, N. J., W. C. Van Siclen, Douglaston, N. Y., and P. W. Brakeley, Jr., Plainfield, N. J., assignors to Standard Oil Development Company. Removal of boron fluoride from reactive hydrocarbons. 2,628,991, Feb. 17.

Schneider, Helmuth G., Westfield, and P. W. Brakeley, Jr., Plainfield, N. J., assignors to Standard Oil Development Company. Polymerizing isobutylene in the presence of N-butenes and ether. 2,637,720, May 5.

Schneider, Helmuth G., Westfield, and H. G. Goering, Elizabeth, N. J., assignors to Standard Oil Development Company. Selective polymerization of isobutylene. 2,657,246, Oct. 27.

Schneider, Herbert A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for spraying attenuation material onto traveling wave tube helices. 2,659,337, Nov. 17.

Schneider, John, Ann Arbor, Mich. Saw set. 2,625,058, Jan. 13.

Schneider, Jules, assignee: *See*—
Schneider, Hans.

Schneider, Louis, Kensett, Iowa. Corn gleaner. 2,636,771, Apr. 28.

Schneider, Max, Dusseldorf, Germany. Reel-slitting and rewinding machine. 2,635,824, Apr. 21.

Schneider, Max, Dusseldorf, Germany. Web-slitting machine with minutely variable cutting-roll equipment. 2,643,719, June 30.

Schneider, Max S., Chicago, Ill. Supporting means used in connection with electroplating racks. 2,652,359, Sept. 15.

Schneider, Otto, Cincinnati, Ohio. Pencil sharpener. 2,662,504, Dec. 15.

Schneider, Paul L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Foot-operated direction signal switch. 2,636,092, Apr. 21.

Schneider, Paul L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Air circulating apparatus. 2,650,534, Sept. 1.

Schneider, Paul L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter control. 2,654,007, Sept. 29.

Schneider, Paul L., and H. J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter control. 2,632,118, Mar. 17.

Schneider, Paul L., and H. J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter control. 2,632,119, Mar. 17.

Schneider, Paul L., and H. J. Cromwell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter control. 2,654,036, Sept. 29.

Schneider, Paul L., H. J. Cromwell, and W. H. Taylor, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter control apparatus. 2,661,730, Dec. 8.

Schneider, Robert A., Bridgeport, Conn. Removing the casings of link sausages and structurally like products. 2,644,982, July 14.

Schneider, William A., Greensboro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Sheath stripper for cable having twisted conductors. 2,624,221, Jan. 6.

Schneider, William P., assignor to The Upjohn Company, Kalamazoo, Mich. 11 alpha, 17 alpha, 21-trihydroxy-allopregnane and its esters. 2,659,744, Nov. 17.

Schneiderman, Eli, Hillside, N. J. Fitting for electrical conduits. 2,640,619, June 2.

Schneiderman, Joseph, Chicago, Ill. Hair-waving device. 2,627,274, Feb. 3.

Schnell, Ernst O., Chicago, Ill. Permanent waving of hair. 2,631,965, Mar. 17.

Schnell, Ernst O., Chicago, Ill. Permanent waving of hair. 2,653,121, Sept. 22.

Schnell, Frederick W., Croton-on-Hudson, assignor to R. Hoe & Co., Inc., New York, N. Y. Machine drive. 2,641,141, June 9.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Injector pump assisted hydraulic braking system. 2,636,349, Apr. 28.

Schnelle, Philip D., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Electrical temperature compensation in recording refractometers. 2,649,012, Aug. 18.

Schnelle, Philip D., Texas City, Tex., assignor to Monsanto Chemical Company, St. Louis, Mo. Apparatus for refractometry. 2,649,013, Aug. 18.

Schnellpressenfabrik A.-G. Heidelberg, assignee: *See*—
Buttner, Artur.

Schnepf, William K., Webster, N. Y., assignor to Stromberg-Carlson Company. Lost motion or backlash compensation. 2,626,587, Jan. 27.

Schnert, Edward H., Chicago, Ill. Elevating truck. 2,628,068, Feb. 10.

Schnetzer, George W., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Control mechanism for photographic copying apparatus. 2,649,018, Aug. 18.

Schniepp, Lester E.: *See*—
Alexander, Kliem, and Schniepp.

Schnitter, Sylvester B., Dallas, assignor to L. L. Rector, Tarrant County, Tex. Means for cementing wells. 2,659,438, Nov. 17.

Schnitter, Sylvester B., Dallas, assignor to L. L. Rector, Tarrant County, Tex. Means for guiding, floating, and cementing well casing in bored holes. 2,662,602, Dec. 15.

Schnitter, Sylvester B., Dallas, assignor to L. L. Rector, Tarrant County, Tex. Well cementing apparatus. 2,664,163, Dec. 29.

Schnitzer, Benjamin J.: *See*—
Bateman, Ralph C., and Schnitzer.

Schnitzer, William: *See*—
Gannon, John P., Paintner, and Schnitzer.

Schnoll, Nathan, Palisade, assignor to Industrial Devices, Inc., Edgewater, N. J. Voltage indicator. 2,644,134, June 30.

Schnoll, Nathan, Palisade, N. J. Current indicator. 2,644,135, June 30.

Schnuck, Carl F., North Haven, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Roll grinding device. 2,651,152, Sept. 8.

Schnuck, Carl F., North Haven, and W. C. Whittum, assignors to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Blending and/or warming extrusion device for plastics or the like. 2,662,243, Dec. 15.

Schnürle, Adolf: *See*—
Elwert, Otto, and Schnürle.
Kopf, Johann, Schnürle and Elwert.

Schnürle, Adolf, deceased, J. Kopf, O. Elwert, and E. Hörz, Stuttgart, Germany; said Kopf, said Elwert, and said Hörz assignors to said Schnürle; G. Schnürle, sole heir of said A. Schnürle. Two-stroke engine with scavenging air blower. 2,660,989, Dec. 1.

Schnürle, Gertrud: *See*—
Kopf, Johann, Schnürle and Elwert.

Schnürle, Gertrud, heir: *See*—
Schnürle, Adolf, Kopf, Elwert, and Hörz.

Schnürle, Gertrud, sole heir: *See*—
Elwert, Otto, and Schnürle.

Schnyder, Othmar, Klus, assignor to Gesellschaft der Ludw. von Roll'schen Eisenwerke A. G., Gerlafingen, Switzerland. Pivoted stop valve. 2,653,004, Sept. 22.

Schoch, Adrien, Berne, Switzerland, assignor to Gibone Trust, Vaduz, Liechtenstein. Preparing a hemostatic agent. 2,658,020, Nov. 3.

Schoch, Eugene P., Austin, Tex., assignor to The Board of Regents of The University of Texas. Method and apparatus for glow discharge treatment of gases. 2,638,443, May 12.

Schock, Richard U., Jr., Waukegan, and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Therapeutic compound and preparing the same. 2,641,609, June 9.

Schoebel, Elmer, Cambria Heights, N. Y. Galloping hobby-horse mounted on wheels. 2,635,886, Apr. 21.

Schoeller, Charles H., San Diego, Calif. Surgical arm support. 2,652,050, Sept. 15.

Schoeller, Walter: *See*—
Tonutti, Emil, Schoeller, and Jönås.

Schoellerman, Alvin L., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Means and method of cold bending sheet metal. 2,649,128, Aug. 18.

Schoelles, Harold J., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Control device. 2,638,015, May 12.

Schoemehl, Henry F., Seelyville, and H. D. Ward, Indianapolis, Ind., assignors to Radio Corporation of America. Induction heating of recording styli. 2,627,416, Feb. 3.

Schoen Products Company, assignee: *See*—
Jaros, Edward F.

Schoen, Roger W.: *See*—
Rose, Howard E., MacDougall, and Schoen.

Schoen, William, assignor to Masonite Corporation, Laurel, Miss. Making adhesive from lignocellulose. 2,643,953, June 30.

Schoenbaum, Alexander W., and H. L. Barnes, Richmond, Va., assignors to The American Tobacco Company, New York, N. Y. Process of and apparatus for treating tobacco. 2,661,746, Dec. 8.

Schoenberg, Andrew A., Philadelphia, and J. V. Hastings, III, Gladwyne, Pa. Applying decorative design to leather. 2,644,262, July 7.

Schoenfeld, David M., Scarsdale, assignor to Combustion Engineering, Inc., New York, N. Y. Steam generator support and casing structure of box column construction. 2,654,352, Oct. 6.

Schoenfeld, Henry F., Cleveland, and R. J. Smithisler, Kirtland Township, Lake County, assignors, by mesne assignments, to The Ajax Thermostatic Controls Company, Gates Mills, Ohio. Safety pilot control. 2,627,867, Feb. 10.

Schoenfeld, William H., Jr., Glen Ellyn, Ill., assignor to American Can Company, New York, N. Y. Solder flux and preparing the flux. 2,626,881, Jan. 27.

Schoenherr, Leonard W., Ludington, Mich. Spring-held decorative shade. 2,644,883, July 7.

Schoenlaub, Robert A., assignor to Sylvester & Company, Cleveland, Ohio. Recovery of manganese. 2,634,204, Apr. 7.

Schoenlaub, Robert A., assignor to Sylvester & Company, Cleveland, Ohio. Preparing magnesia. 2,636,809, Apr. 28.

Schoenrock, Otto R., Oak Park, assignor to Dualoc Engineering Co., Rockford Ill. Nontorque-equalizing differential transmission. 2,651,215, Sept. 8.

Schoenster, Peter J., Teaneck, assignor to Alfred Hofmann Needle Works, Inc., West New York, N. J. Knitting needle. 2,626,514, Jan. 27.

Schoenster, Peter J., Teaneck, assignor to Alfred Hofmann Needle Works, Inc., West New York, N. J. Spring beard needle and using same. 2,633,721, Apr. 7.

Schoenster, Peter J., Teaneck, assignor to Alfred Hofmann & Co., West New York, N. J. Warp tension bar for knitting machines. 2,637,184, May 5.

Schoenster, Peter J., Teaneck, and M. E. Ebert, assignors to Alfred Hofmann & Co., West New York, N. Y. Automatic yarn tension control. 2,625,021, Jan. 13.

Schoenster, Peter J., Teaneck, and M. E. Ebert, assignors to Alfred Hofmann & Co., West New York, N. J. Welt turning and fabric take-up mechanism for straight knitting machines. 2,631,445, Mar. 17.

Schoenster, Peter J., Teaneck, and M. E. Ebert, assignors to Alfred Hofmann & Co., West New York, N. J. Fabric take-up mechanism for textile machines. 2,661,614, Dec. 8.

Schoepe, Adolf, Anaheim, and J. W. Sinclair, C
assignors to Kwikset Locks, Inc., Anaheim, Ca
2,648,559, Aug. 11.

Schoepe, Harry: *See*—
Curtis, Myron S., and Schoepe.

Schoerner, Rudolph T., Cranston, assignor to T
ers, Incorporated, Providence, R. I. Heater
connection. 2,656,981, Oct. 27.

Schoessow, Glen J., Barberton, Ohio, assigno
Babcock & Wilcox Company, New York, N. Y.
relief valve having its inlet and outlet in
2,643,673, June 30.

Schofield, Earl L., Rockford, Ill., assignors, by
signments, to Superior Coach Corporation, L
Convertible seat. 2,655,197, Oct. 13.

Schofield, Henry Z., and L. S. O'Bannon, Colum
assignors, by mesne assignments, to Unite
Corporation, East Hartford, Conn. Refracto
ceramic coating material. 2,662,020, Dec. 8.

Scholfield, Keith R., East Moline, assignor t
Company, Moline, Ill. Plow. 2,640,404, Ju

Scholfield, Richard P., New York, N. Y. Fil
2,642,875, June 23.

Scholin, Axel R., Chicago, Ill. Bag holder.
Aug. 11.

Scholkemeier, Friedrich-Wilhelm, Braunschweig
assignor to Franke & Heidecke, Fabrik Photog
Präzisions-Apparate, Braunschweig, Germany
ing apparatus for reflex photographic
2,642,790, June 23.

Scholl Mfg. Co., Inc., The, assignee: *See*—
Coldiron, Harold A.
Crawford, Claud F.
Kemp, Milton H.
Salditt, Ferdinand.

Scholl, William M., Chicago, Ill. Laminated
making same. 2,626,886, Jan. 27.

Scholl, William M., Chicago, Ill. Corn pad.
Mar. 31.

Scholl, William M., Chicago, Ill. Arch
2,633,130, Mar. 31.

Scholl, William M., Chicago, Ill. Double-face
tape and protective cover therefor. 2,633,44

Scholl, William M., Chicago, Ill. Corn
2,646,795, July 28.

Scholl, William M., Chicago, Ill. Self-bondi
bandage. 2,646,796, July 28.

Scholl, William M., Chicago, Ill. Stretchable
bandage. 2,646,797, July 28.

Scholl, William M., Chicago, Ill. Package fo
material. 2,646,877, July 28.

Scholl, William M., Chicago, Ill. Apparatu
method of making adhesive tape. 2,647,06

Scholl, William M., Chicago, Ill. Molded an
latex insole for footwear. 2,658,288, Nov. 1

Scholl, William T., Evansville, Ind. Paint bu
scraping device. 2,629,433, Feb. 24.

Schollenberger, Charles S.: *See*—
Morningstar, Marion G., Schollenberger, a

Scholtz, Harry G.: *See*—
Rhodes, Eugene E., and Scholtz.

Scholz, Caesar R.: *See*—
Huebner, Charles F., Mizzoni, Mull, and S
Huebner, Charles F., and Scholz.
Marsh, William S., Mayer, Mull, Scholz, an

Scholz, Theodore F.: *See*—
Hultquist, Martin E., and Scholz.

Scholz, Theodore F., Somerville, N. J., and G.
Oak Ridge, Tenn., assignors to American Cyan
pany, New York, N. Y. Synthesis of 2-a
methyl pyrimidine. 2,660,579, Nov. 24.

Scholz, Walter, Stuttgart, Germany. Ball pen.
July 28.

Schommer, Oliver J.: *See*—
Clark, John T., and Schommer.

Schommer, Oliver J., Melrose Park, assignor
Fare Box Company, Chicago, Ill. Card sort
2,644,459, July 7.

Schon, Charles E., West Hempstead, N. Y., a
American Machine & Foundry Company. R
respotter. 2,634,979, Apr. 14.

Schon, Leo, New York, N. Y. Collapsible
2,639,162, May 19.

Schonander, Georg, assignee: *See*—
Noschis, Kaj W. W.

Schonitzer, Rudolph I., assignee: *See*—
Allen, Edwin L.
Allen, Edwin L., de Vito, and Muster.

Schonitzer, Rudolph I., Shaker Heights, O
check and holding device. 2,627,624, Feb. 1

Schonitzer, Rudolph I., Shaker Heights, Ohio.
and holding device. 2,639,460, May 26.

Schonrock, Edwin A., San Angelo, Tex. Lifting
dump trailers. 2,637,593, May 5.

Schonrock, Edwin A., San Angelo, Tex. Winch
suspension construction for dump trailers.
Dec. 1.

Schonwald, William P., West Haven, Conn.,
American Machine & Foundry Company. Ov
having guided trays. 2,626,700, Jan. 27.

Schoolcraft, Edwin H., Forest Grove, assignor
west Nut Growers, Portland, Oreg. Method
ratus for removing pellicle from filbert n
2,651,345, Sept. 8.

Schooley, Allen H., Washington, D. C. Range aperturing device. 2,629,867, Feb. 24.
Schoonenwolf, Hendrik G., Amsterdam, Netherlands. Bin unloading apparatus. 2,632,555, Mar. 24.
Schoonmaker, Raymond B.: *See*—
Becker, Stephen P., Schoonmaker, and Wengen.
Wengen, Henry R., Miller, and Schoonmaker.
Wengen, Henry R., and Schoonmaker.
Schöpf, Clemens: *See*—
Külz, Fritz, and Schöpf.
Schöpf, Clemens, and K. J. Kunz, Darmstadt, assignors to Troponwerke Dinklage & Co., Koln-Mulheim, Germany. Pharmacologically valuable stereoisomers of certain amino alcohols and their salts. 2,661,372, Dec. 1.
Schopp, Otto, Phoenix, Ariz., assignor of one-half to G. L. Sims. Tube bending pliers. 2,637,231, May 5.
Schoppee, Lawrence W., Springfield, assignor to Package Machinery Company, East Longmeadow, Mass. Device for forming and supplying gum sticks to a wrapping machine. 2,652,788, Sept. 22.
Schor, Joseph, San Francisco, Calif. Faucet for gas-charged liquids. 2,646,073, July 21.
Schor, Paul B., Sunbury, Pa. Child's garment. 2,627,604, Feb. 10.
Schordine, Fred J., Patchogue, N. Y. Liquid defrosting unit. 2,635,433, Apr. 21.
Schörg, Carl C., Frankfurt am Main Hochst, Germany. Inductively heated electrical contact furnace with preheater. 2,644,881, July 7.
Schorn, Carl F., Detroit, Mich., assignor to G. M. and E. Holley. Emergency fuel supply system. 2,639,584, May 26.
Schorn, Carl F., Detroit, W. S. Bobier, Jr., Grosse Pointe, and A. W. Orr, Jr., Detroit, Mich., assignors to G. M. and E. Holley. Emergency fuel supply. 2,633,188, Mar. 31.
Schornstein, Waldemar: *See*—
Saladin, Otto, Schornstein, and Frey.
Schostal, Richard, New York, N. Y. Parking viewer for automobiles. 2,633,377, Mar. 31.
Schott, Donald E., Flushing, N. Y. Differential. 2,624,213, Jan. 6.
Schott, William S.: *See*—
Minster, Ernest J., Jr., and Schott.
Schottenberg, Elmon A., Youngstown, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Louver window and operating mechanism. 2,637,547, May 5.
Schotz, Otto W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,638,193, May 12.
Schou, Carl E., Seattle, assignor to Pacific Car and Foundry Company, Renton, Wash. Fourteen-speed planetary transmission. 2,651,950, Sept. 15.
Schou, Carl E., Seattle, assignor to Pacific Car and Foundry Company, Renton, Wash. Centrifugally balanced fluid clutch. 2,652,913, Sept. 22.
Schoultz, Walter E., Fort Wayne, Ind. Playing card shuffler. 2,649,305, Aug. 18.
Schouten, Jan F., and F. de Jager, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pulse-code modulation communication system. 2,662,113, Dec. 8.
Schouten, Jan F., F. de Jager, and J. A. Greefkes, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Pulse modulation system for transmitting the change in the applied wave-form. 2,662,118, Dec. 8.
Schowalter, Clarence H., Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Valve operating mechanism. 2,631,576, Mar. 17.
Schrader, Gerhard, Opladen-Bruchhausen, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Process for the manufacture of esters of thiophosphoric acid. 2,624,745, Jan. 6.
Schrader, Gerhard, Opladen-Bruchhausen, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Production of neutral esters of thiolphosphoric acid. 2,640,847, June 2.
Schrader, Harold J., Haddonfield, N. J., assignor to Radio Corporation of America. Radio navigation system. 2,655,648, Oct. 13.
Schrader, Leo W., Elizabeth, N. J., assignor to Standard Oil Development Company. Flare stack lighter. 2,648,376, Aug. 11.
Schrage, Edward G., Rock Island, Ill., assignor to The Bettendorf Company, Bettendorf, Iowa. Article transfer mechanism for bread wrapping machines. 2,649,675, Aug. 25.
Schrage, Frederick S., Rock Island, Ill., assignor to Mutual Engineering Company, Inc., Davenport, Iowa. Conveyer. 2,628,701, Feb. 17.
Schramm, Abert O., La Crescenta, Calif. System of cooling dwellings. 2,637,181, May 5.
Schramm, Andrew G., St. Louis, Mo. Means for defrosting refrigerators. 2,639,590, May 26.
Schramm, Carl, North Conventry, assignor to The Smyth Manufacturing Company, Hartford, Conn. Machine for creasing and pressing books. 2,635,262, Apr. 21.
Schramm, Inc., assignee: *See*—
Rambo, Howard H.
Schramm, Sylvester A., Short Hills, N. J. Tobacco appliance. 2,638,906, May 19.
Schreiber, Albert A., Salem, N. Y., assignor to Van Dyk & Company, Inc., Belleville, N. J. Benzoic esters. 2,659,689, Nov. 17.
Schrieber, Herbert S., Sleepy Eye, Minn. Footwear calk assembly. 2,658,289, Nov. 10.
Schreiber, Hugh, assignee: *See*—
McNamee, Paul D., Fay, and Derry.
Schreiber, Patrick Q. R., assignor to Robert Legg Limited, London, England. Machine for cutting tobacco and the like. 2,646,095, July 21.
Schreiber, Ralph B.: *See*—
Pribil, Richard F., Myers, and Schreiber.
Schreiber, Raymond P.: *See*—
Stadd, Donald M., and Schreiber.
Schreiner, Edward W., assignor to The Todd Company, Inc., Rochester, N. Y. Printing method and apparatus using a ribbon inker. 2,631,533, Mar. 17.
Schreiner, Louis W., Des Plaines, Ill., assignor to Raytheon Television and Radio Corporation. Cavity tuner. 2,638,544, May 12.
Schreiner, Norman G., Philadelphia, Pa., and E. A. Clapp, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Multiple electrode polyphase arc welding. 2,655,586, Oct. 13.
Schremp, Frederick W., Elmira, assignor to Remington Rand Inc., New York, N. Y. Power operated typewriter. 2,638,199, May 12.
Schremp, Frederick W., Elmira, assignor to Remington Rand Inc., New York, N. Y. Variable escapement for typewriters. 2,648,418, Aug. 11.
Schrenk, Hans A.: *See*—
Van Dijk, Pieter, and Schrenk.
Schreur, Jan: *See*—
Van Wageningen, Johan H., and Schreur.
Schreyer, Ralph C.: *See*—
Brooks, Richard E., and Schreyer.
Schreyer, Ralph C., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Synthesis of diamines. 2,640,082, May 26.
Schricker, Otto, Jr.: *See*—
MacPherson, Robert E., Jr., and Schricker.
Schrock, Jacob N., Wellington, Tex. Filling and weighing device. 2,625,361, Jan. 13.
Schrock, Jacob N., and C. E. and H. Watson, Phoenix; said H. Watson assignor to F. Irion, Maricopa County, Ariz. Automatic lot weighing machine. 2,624,538, Jan. 6.
Schroder, Charles, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Carbon sheet retractor mechanism. 2,626,695, Jan. 27.
Schroder, Charles, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Controlled noise-reduction means for typewriters. 2,639,020, May 19.
Schröder, Hubert, Munich, Germany, assignor to Fish-Schurman Corporation, New York, N. Y. Beam splitting means. 2,638,030, May 12.
Schroeder, Alfred C.: *See*—
Szikiai, George C., and Schroeder.
Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Analysis of signal transfer devices. 2,628,266, Feb. 10.
Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Component color separator. 2,642,487, June 16.
Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Mass spectrometer. 2,642,535, June 16.
Schroeder, Alfred C., Southampton, Pa., assignor to Radio Corporation of America. Apparatus for reproducing images in color. 2,646,463, July 21.
Schroeder, Alfred C., Feasterville, Pa., and G. C. Szikiai, Princeton, N. J., assignors to Radio Corporation of America. Simultaneous color television optical system. 2,653,993, Sept. 29.
Schroeder, Arthur C., Skaneateles, N. Y. Carton handling apparatus. 2,660,844, Dec. 1.
Schroeder, Arthur J., Cincinnati, Ohio, assignor to Sterling Drug Inc., New York, N. Y. Printing ink. 2,644,759, July 7.
Schroeder, Arthur J., Cincinnati, Ohio, assignor to Sterling Drug Inc., New York, N. Y. Printing ink. 2,644,760, July 7.
Schroeder, Carl J., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Candlemaking apparatus. 2,647,279, Aug. 4.
Schroeder, Carl J., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Candlemaking apparatus.
Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Linkage for lift trucks. 2,643,894, June 30.
Schroeder, Clarence A.: *See*—
Perlow, Gilbert J., and Schroeder.
2,647,282, Aug. 4.
Schroeder, Edward A., River Edge, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Tire insert holder. 2,632,268, Mar. 24.
Schroeder, Elmer F.: *See*—
Papesch, Viktor, and Schroeder.
Schroeder, Ernest C., and J. E. Baker, Leavenworth, Kans. Sieve hold-down mechanism for sifters and similar machines. 2,635,751, Apr. 21.
Schroeder, Errol A.: *See*—
Lincoln, Clovis W., and Schroeder.

Schroeder, George W.: *See*—
Struthers, Donald K., and Schroeder.
Schroeder, George W., Louisville, Ky., assignor to General Electric Company. Multi-range resistance thermometer. 2,657,580, Nov. 3.
Schroeder, George W., McHenry, Ill., assignor to General Electric Company. Ultrahigh-frequency electromagnetic radiation heating method and apparatus. 2,632,838, Mar. 24,.
Schroeder, George W., Sandy Hook, Conn., assignor to General Electric Company. Control for electric ovens. 2,654,824, Oct. 6.
Schroeder, Henry L., deceased, Chicago, Ill.; G. H. Arnold, executor, assignor to J. Jarvis and M. Schmiser. Game indicating card table top. 2,624,583, Jan. 6.
Schroeder, Herman E.: *See*—
Foster, Robert E., and Schroeder.
Schroeder, Herman E., Kennett Square, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 3,4-benzopyrene-1,5-quinone. 2,653,953, Sept. 29.
Schroeder, Herbert W., Palatine, Ill. Greenhouse bench structure. 2,638,715, May 19.
Schroeder, Joseph H., Oshkosh, Wis. Steering control for outboard motors. 2,627,833, Feb. 10.
Schroeder, John L., Watertown, Wis. Animal feeder. 2,642,837, June 23.
Schroeder, Simon E., Oshkosh, Wis. Liquid delivery spout assembly. 2,644,630, July 7.
Schroeder, Simon E., Oshkosh, assignor to American Partition Corporation, Milwaukee, Wis. Automatic partition strip feeding mechanism. 2,656,770, Oct. 27.
Schroeder, Stanley D.: *See*—
Gensky, Henry E., and Schroeder.
Schroeder, Walter W., assignor to Sprague Electric Company, North Adams, Mass. Electrical battery. 2,636,063, Apr. 21.
Schroeder, Walter W., Jr.: *See*—
Ross, Sidney D., Markarian, and Schroeder.
Schroeder, William E.: *See*—
McEwen, Robert L., Sheldon, and Schroeder.
Sperling, Arthur F., and Schroeder.
Schroeder, William E., Hollywood, Calif. Female breast support. 2,641,763, June 16.
Schoeffler, Edward H., Woodbridge, and H. O. Olsen, Fanwood, N. J., assignors to American Cyanamid Company, New York, N. Y. Filter for powders. 2,632,525, Mar. 24.
Schroen, Charles A., Durango, Colo. Traction attachment for automobile wheels. 2,640,522, June 2.
Schroenghamer, George, St. Paul, Minn., assignor by mesne assignments, to Fenn Bros., Inc., Sioux Falls, S. Dak. Article transfer for conveyer organization. 2,640,578, June 2.
Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Side-delivery rake. 2,635,412, Apr. 21.
Schroer, Walter E., Affton, assignor to Loose Leaf Metals Co., St. Louis, Mo. Loose-leaf post binder. 2,659,373, Nov. 17.
Schryver, Herbert C.: *See*—
Scofield, Robert O., and Schryver.
Schubel, Henry R., assignee: *See*—
Schiemann, George L.
Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Double sheet stop for photographic copying apparatus. 2,632,545, Mar. 24.
Schubert, Dale L., assignor to Plywood Research Foundation, Tacoma, Wash. Edge gluing device. 2,644,496, July 7.
Schubert, Dale L., and A. H. De Meerleer, assignors to Plywood Research Foundation, Tacoma, Wash. Web or mat forming device. 2,635,301, Apr. 21.
Schubert, John H., Troy, N. Y. Sanding device. 2,657,508, Nov. 3.
Schubert, Max: *See*—
Zerweck, Werner, and Schubert.
Schubert, Willi, Berlin-Tegel, Germany. Hydraulic power device. 2,653,581, Sept. 29.
Schuch, Martin, Elizabeth, N. J. Ignition tester. 2,648,816, Aug. 11.
Schuchman, Carl D., Vancouver, and R. S. France, Ridgefield, Wash. Bearing cleaner. 2,652,843, Sept. 22.
Schuck, Oscar H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Radio controlled apparatus for air navigation. 2,636,167, Apr. 21.
Schuck, Oscar H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Computer for estimated time of arrival. 2,646,924, July 28.
Schuck, Oscar H., and R. C. Alderson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Angle of attack sensing device. 2,660,056, Nov. 24.
Schuck, Warren S., and B. D. Hendrickson, Los Angeles, Calif., said Schuck assignor to said Hendrickson. Implement to facilitate manifolding. 2,629,613, Feb. 24.
Schueler Engineering Co., The, assignee: *See*—
Schueler, Fred C.
Schueler, Fred C., Fulton, N. Y., assignor to The Schueler Engineering Co., Lowell, Mass. Apparatus and process of producing decorative floor covering. 2,631,643, Mar. 17.
Schueler, Fred C., Fulton, N. Y., assignor to The Schueler Engineering Co. Making asphalt impregnated floor covering. 2,631,946, Mar. 17.
Schuepp, Paul, Tarbes, assignor to Compagnie d'Electro-Ceramique, Paris, France. Self-gla ramic compositions. 2,662,826, Dec. 15.
Schuessler, Frederick W.: *See*—
Lemmon, Norman E., Schuessler and Bran
Schuettenhelm, Celia H.: *See*—
Schuettenhelm, John B. and C. H.
Schuettenhelm, John B. and C. H., Pasadena, Cali cal doll. 2,627,699, Feb. 10.
Schuftan, Paul M., Richmond Hill, assignor British Oxygen Company Limited, London, Separation of air. 2,650,483, Sept. 1.
Schug, William W.: *See*—
Eade, Carleton W., and Schug.
Schuhr, William C., Carpentersville, Ill. Clott button. 2,640,238, June 2.
Schuit, George C. A., and J. J. B. V. van Voor Amsterdam, Netherlands, assignors to Shell ment Company, San Francisco, Calif. Nickel and preparation thereof. 2,658,875, Nov. 10.
Schul, Gonzales: *See*—
Van Russum, Pierre, and Schul.
Schuler, Wilhelm, Hamburg-Heilbrook, assignor mann & Reimer, Chemische Fabrik zu Ho G. m. b. H., Holzminden Weser, Germany. A mine compounds. 2,662,885, Dec. 15.
Schulken, Roger M.: *See*—
Tamblyn, John W., and Schulken.
Schulken, Roger M., Jr., and R. E. Boy, Jr., K Tenu., assignors to Eastman Kodak Company, ter, N. Y. Copolymers of alpha-methylstyrene pha-methacrylonitrile. 2,652,391, Sept. 15.
Schuller, Arthur A., Chicago, Ill. Invertible fil 2,625,273, Jan. 13.
Schulte, Fritz, Philadelphia, assignor to T. D. Bala-Cynwyd, Pa. Relay. 2,636,095, Apr. 21.
Schulte, Mike T., L. J. Litchy, and E. W. Do Little Falls, Minn. Snow loading device. 2 Feb. 10.
Schultheis, Harry B., Pacoima, and L. A. G. t North Hollywood, Calif., assignors to Bendix Corporation, South Bend, Ind. Sensing devic adjustable threshold response. 2,636,386, Apr.
Schultheis, Louis J., assignor to Pittsburgh Wa Company, Pittsburgh, Pa. Cloth attaching de ironer rolls. 2,663,074, Dec. 22.
Schulthess, Ernest, South Orange, N. J. O 2,661,026, Dec. 1.
Schultis, Charles F., Cleveland, and I. Herzbrun, C Heights, Ohio. Replacement stem for faucets like. 2,629,580, Feb. 24.
Schulz, Alfred J., assignor to A. J. and H. H. Sc partners doing business under the name and S-B Manufacturing Company, Milwaukee, Wis. mas tree stand. 2,652,217, Sept. 15.
Schultz, Alfred W., assignor to Clearing Machin ration, Chicago, Ill. Inclinable press. 2,629,3 24.
Schultz, Arthur D., Mayfield Heights, and F. C. S ler, assignors to Eaton Manufacturing Compan land, Ohio. Closure cap. 2,663,456, Dec. 22.
Schultz, August L., Mitchell, S. Dak. Knee stabilizer. 2,641,761, June 16.
Schultz, Bobbie J., Hollywood, Calif. Hyperse photographic film developer. 2,660,528, Nov. 2
Schultz, Carl: *See*—
Clark, John R., and Schultz.
Schultz Die Casting Company, assignee: *See*—
Holmes, Burton F., and Heindel.
Schultz, Edward H., Milwaukee, Wis. Hydrau seal. 2,658,809, Nov. 10.
Schultz, Everett M.: *See*—
Sprague, James M., and Schultz.
Schultz, Everett M., Glenolden, assignor to Dohme, Incorporated, Philadelphia, Pa. 3-sub 3-aryl, 2-pipecolines and salts thereof. 2,636,8 28.
Schultz, Everett M., Glenolden, Pa., assignor & Co., Inc. Preparing 3,3-disubstituted-6-d amino-2-hexanones. 2,656,388, Oct. 20.
Schultz, Harold B., assignor to Bendix Aviation tion, South Bend, Ind. Hydraulically controll ing mechanism for aircraft. 2,631,795, Mar. 1
Schultz, Harry A.: *See*—
Arnold, George, Schultz and Rhoads.
Schultz, Howard A., Decatur, Ind., assignor to Electric Company. Stator member for dynam machines. 2,627,584, Feb. 3.
Schultz, Howard L.: *See*—
Cooper, Harold S. G., and Schultz.
Schultz, Howard L., Wellesley, Mass., assignor, b assignments, to the United States of America sented by the Secretary of the Navy. Stabiliz filament supply voltage. 2,638,571, May 12.
Schultz, Howard L., Wellesley, Mass., assignor, b assignments, to the United States of America sented by the Secretary of the Navy. Autom quency control apparatus. 2,640,156, May 26.
Schultz, John, New Britain, Conn. Adjustable rier holder. 2,645,950, July 21.
Schultz, Lawrence H., Batavia, N. Y. Antigla mounting bracket. 2,660,390, Nov. 24.
Schultz, Max M., Detroit, Mich. Night stand. 2, Feb. 17.

Schultz, Paul E., Wichita, Kans. Making confections. 2,658,830, Nov. 10.
Schultz, Paul E., Wichita, Kans. Producing a fluffy chocolate confection. 2,645,580, July 14.
Schultz, Ray A., Brookings, S. Dak. Child's combination chair. 2,631,690, Mar. 17.
Schultz, Roy M., assignor to D. A. Freeman Corporation, Chicago, Ill. Laundry flatwork feeder truck. 2,632,627, Mar. 24.
Schultz, Roy M., assignor to D. A. Freeman, Chicago, Ill. Garment pressing machine. 2,644,254, July 7.
Schultz, Roy M., assignor to Pontiac Engraving & Electrotype Co., Chicago, Ill. Trimming machine. 2,659,278, Nov. 17.
Schultz, Sidney J.: *See*—
Mackinney, Herbert W., and Schultz.
Wakefield, Harold F., Schultz, and Richardson.
Schultz, William O.: *See*—
Earle, Ralph H., Kuzela, and Schultz.
Schultz, William O., South Milwaukee, and R. H. Amundson, Milwaukee, Wis., assignors to McGraw Electric Company. Indenting tool. 2,633,161, Mar. 31.
Schulz, August: *See*—
Hornberger, Clarence L., and Schulz.
Schulz, Carl G., Altadena, and A. S. Kedzie, Los Angeles, Calif. Suction cup and mounting. 2,637,589, May 5.
Schulz, George K., Rockville, Conn., assignor to Underwood Corporation, New York, N. Y. Carriage controlled totalizer control mechanism. 2,660,369, Nov. 24.
Schulz, Herbert H., assignee: *See*—
Schulz, Alfred J.
Schulze, Arthur R., Youngstown, Ohio, assignor to United States Steel Corporation. Resilient cushion utilizing side-loaded helical springs. 2,655,370, Oct. 13.
Schulze and Burch Biscuit Company, assignee: *See*—
Fay, Joseph W. and R. J.
Schulze, Edmund F., Omaha, Nebr. Ladle tipping mechanism. 2,637,883, May 12.
Schulze, Herman W., Elmwood Park, Ill., assignor to General Electric Company. Backsplash structure for stoves. 2,635,600, Apr. 21.
Schulze, John J.: *See*—
Arndt, John P., Hruby, and Schulze.
Schulze, Karl F., Minneapolis, Minn. Apparatus for molding and packaging ice cream. 2,627,824, Feb. 10.
Schulze, Kurt E., assignor to E. Roe, doing business as Coast Wire Company, San Francisco, Calif. Wire tying machine. 2,624,375, Jan. 6.
Schulze, Raymond: *See*—
Gregg, Kenneth J., and Schulze.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of aromatic hydrocarbons. 2,645,672, July 14.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Rubber processing composition. 2,659,677, Nov. 17.
Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of dialkyl sulfides. 2,656,392, Oct. 20.
Schum, Wesley R., Chicago, Ill. Compression amplifier for radio circuits. 2,659,777, Nov. 17.
Schumacher, Erwin A., Parma, and G. W. Heise, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Anode assembly for primary galvanic cell. 2,644,024, June 30.
Schumacher, Frank A., Erie, Pa., assignor to General Electric Company. Refrigerating system for multiple-compartment refrigerators. 2,637,176, May 5.
Schumacher, Frank A., Erie, Pa., assignor to General Electric Company. Freezer evaporator, including check valve in header. 2,641,113, June 9.
Schumacher, Frank A., Erie, Pa., assignor to General Electric Company. Refrigeration evaporator. 2,663,161, Dec. 22.
Schumacher, Frank A., Erie, Pa., and J. B. Tucker, Marblehead, Mass., assignors to General Electric Company. Compensated control system. 2,644,314, July 7.
Schumacher, Joseph S.: *See*—
King, Edward H., and Schumacher.
Schumacher, Richard M., Chicago, Ill. Metalworking. 2,635,493, Apr. 21.
Schumacher, Wilhelm: *See*—
Heyna, Johannes, and Schumacher.
Schumann, Joseph M., Inglewood, assignor of twenty-five percent to Alta Engineering Company, Santa Monica, Calif. Safety door latch. 2,629,246, Feb. 24.
Schumann, Robert T., Brooklyn, N. Y. Indicating instrument. 2,626,385, Jan. 20.
Schumm, Frederick R.: *See*—
Johnstone, Claude, and Schumm.
Schunk, Frederick A., Lincoln Park, N. J., and M. Mariani, Blauvelt, assignors to Semon Bache & Company, New York, N. Y. Scribing machine. 2,630,630, Mar. 10.
Schupp, Alfred, San Antonio, Tex. Pencil vending machine. 2,664,330, Dec. 29.
Schuppert, Leo J.: *See*—
Rowe, Russell R., and Schuppert.
Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Producing noncolloidal calcium carbonate. 2,631,922, Mar. 17.
Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,652,834, Sept. 22.
Schur, Milton O., Asheville, and R. M. Levy, Brevard, N. C., assignors to Ecusta Paper Corporation. Cigarette paper. 2,652,835, Sept. 22.
Schurecht, Harry G., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Ornamental crystalline glaze. 2,663,658, Dec. 22.
Schuricht, Alfons G., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Ammunition priming composition and producing same. 2,662,818, Dec. 15.
Schuricht, Henry A., Maywood, Calif., assignor to Whizzer Motor Company, Inc., Pontiac, Mich. Driving pulley. 2,630,348, Mar. 3.
Schurman, Jack V.: *See*—
Gilbert, Everett E., and Schurman.
Schurr, Charles A., Euclid, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electronic limit control circuit. 2,641,697, June 9.
Schuster, Ulysse, Ixelles-Brussels, Belgium. Ticket and strip printing machine. 2,626,565, Jan. 27.
Schutt, Arthur J., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Temperature control valve. 2,663,499, Dec. 22.
Schutt, Hermann C., Framingham Center, assignor to Stone & Webster Engineering Corporation, Boston, Mass. Method and apparatus for separating fluids. 2,646,133, July 21.
Schutt, Walter G., assignor to Stearns Manufacturing Company, Adrian, Mich. Conveyer. 2,640,579, June 2.
Schutte, August H., Hastings-on-Hudson, assignor to The Lummus Company, New York, N. Y. Continuous carbonization of coal and oil mixtures. 2,624,696, Jan. 6.
Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Centrifugal filtration. 2,657,803, Nov. 3.
Schutte, August H., Hastings-on-the-Hudson, assignor to The Lummus Company, New York, N. Y. Coking apparatus. 2,658,031, Nov. 3.
Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Hydrocarbon conversion process and regeneration of fouled contact material utilizing flue gas and steam as the gas lift. 2,661,321, Dec. 1.
Schutte, Hermann, Pittsburgh, Pa. Trolley wire clamp. 2,662,129, Dec. 8.
Schutte & Koerting Co., assignee: *See*—
Boehm, Frederick.
Schutte, William H., San Gabriel, assignor to Noble Co., Oakland, Calif. Dam form. 2,649,643, Aug. 25.
Schutz, Bernard R., New York, N. Y. Baby feeding bottle holder. 2,651,485, Sept. 8.
Schutz-O'Neill Co., assignee: *See*—
Parten, Gustave A.
Schutze, Henry G., and H. E. Cler, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Photochemical production of olefinic hydrocarbons. 2,655,474, Oct. 13.
Schutze, Henry G., and H. E. Cler, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Saturated hydrocarbon compositions. 2,657,985, Nov. 3.
Schuur, Gerrit, The Hague, assignor to Rubber-Stichting, Delft, Netherlands. Manufacturing shaped articles of rubber hydrochloride. 2,650,389, Sept. 1.
Schuyler, Fred B., near Seattle, assignor to Durable Mat Company, Seattle, Wash. Truck dock bumper. 2,649,295, Aug. 18.
Schwab, Arthur W.: *See*—
Evans, Cyril D., Cowan, and Schwab.
Schwab, Arthur W., and H. J. Dutton, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Antioxidant for fats and fatty oils. 2,636,887, Apr. 28.
Schwab, Arthur W., C. D. Evans, and P. M. Cooney, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of glyceride oils. 2,661,358, Dec. 1.
Schwab, Arthur W., P. M. Cooney, and C. D. Evans, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of glyceride oils with carboxymethyl mercaptosuccinic acid. 2,662,905, Dec. 15.
Schwab, George A., Fairfield, Conn. Duplicator. 2,635,340, Apr. 21.
Schwab, George H., Jr.: *See*—
Williamson, Loyal A., Jr., and Schwab.
Schwab, John J., Western Springs, and O. Wahl, assignors to W. J. Bradford Paper Co., Chicago, Ill. Paper web straightening device. 2,631,507, Mar. 17.
Schwab, Louis, Astoria, N. Y. Paperbox covering machine. 2,644,374, July 7.
Schwabe, Herman, New York, N. Y. Lasting machine. 2,663,034, Dec. 22.
Schwabe, Kurt, Le Locle, Switzerland. Shuttle holding means. 2,656,858, Oct. 27.
Schwahl, Frederick J., Hillside, N. J., assignor to American Cyanamid Company, New York, N. Y. Acid-resistant ultramarine pigment and preparation thereof. 2,628,920, Feb. 17.
Schwalbe, Georg, Hannover, Germany. Table serving for medical treatment of the human body. 2,660,495, Nov. 24.
Schwalberg, Abraham, Brooklyn, N. Y. Key retainer. 2,629,251, Feb. 24.

Schwalge, William C., Chicago, Ill. Oil reclaimer for internal-combustion engines. 2,635,759, Apr. 21.
Schwamberger, Emil, assignor to Cassella Farbwerke Mainkur Aktiengesellschaft, Frankfurt am Main Fechenheim, Germany. Sulfurized compounds of the dianthrone ethylene series and making the same. 2,645,634, July 14.
Schwan, Clarence F.: *See*—
Kaczor, Edward J., and Schwan.
Schwanda, Theodore F.: *See*—
Brown, Clarence J., and Schwanda.
Schwanda, Theodore F., assignor to Blue Ridge Textile Co., Inc., Bangor, Pa. Stop motion mechanism for warp knitting machines. 2,648,962, Aug. 18.
Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Hair drier. 2,631,380, Mar. 17.
Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Switch. 2,655,572, Oct. 13.
Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Power mixer unit. 2,663,552, Dec. 22.
Schwartz, Albert, Cleveland, Ohio. Door assembly and holder mechanism. 2,643,420, June 30.
Schwartz, Albert J., and S. H. Barbour, Philadelphia, Pa. Water purifying device for aquariums. 2,636,473, Apr. 28.
Schwartz, Albert M., Palos Verdes, and J. T. Willoughby, Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Attachment for plastic enclosures. 2,659,462, Nov. 17.
Schwartz, Anthony M., Washington, D. C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Amide-glycamine condensation products. 2,653,932, Sept. 29.
Schwartz, Carl, Elkhart Lake, Wis. Vehicle hitch. 2,635,890, Apr. 21.
Schwartz, Charles, Norwalk, Conn., assignor to Republic Electric & Manufacturing Corporation, New York, N. Y. Electric vibrator for massage purposes. 2,661,736, Dec. 8.
Schwartz, Daniel M.: *See*—
Hendrickson, Donald E., Royle, and Schwartz.
Schwartz, Daniel M., assignor to The Eimco Corporation, Salt Lake City, Utah. Rotary pan filter. 2,637,443, May 5.
Schwartz, Donald L., Detroit, and G. A. Perry, Royal Oak, Mich., assignors to General Electric Company. Making a porous sintered carbide tool. 2,630,383, Mar. 3.
Schwartz, George S., Brownwood, Tex. Illuminable artificial bait and holder therefor. 2,638,697, May 19.
Schwartz, Hal H., Mill Valley, Calif., assignor, by mesne assignments, to Vibra-Bath Corporation. Pneumatic agitator for washing machines. 2,663,178, Dec. 22.
Schwartz, Harold H.: *See*—
Gantz, Harry, Schwartz, and Iasillo.
Schwartz, Henry L., McAllen, Tex. Adjustable divider for sickle bars. 2,632,991, Mar. 31.
Schwartz, Herbert L., New York, assignor to S & S Industries, Bronx, N. Y. Brassière. 2,644,947, July 14.
Schwartz, Irving H., Philadelphia, Pa. Lock for storm sash. 2,651,818, Sept. 15.
Schwartz, Lyle H.: *See*—
Eicher, William F., and Schwartz.
Schwartz, Lyle P.: *See*—
MacLaren, Frederick H., and Schwartz.
Schwartz, Marcus, Flushing, N. Y. Making spring clips. 2,631,359, Mar. 17.
Schwartz, Martin, New York, N. Y. Adhesive composition for electroplating forms. 2,635,053, Apr. 14.
Schwartz, Morris, and W. Castedello, assignors to The Kalart Company Inc., Plainville, Conn. Photoflash equipment for multiple flash. 2,638,764, May 19.
Schwartz, Morris, and W. Castedello, assignors to The Kalart Company Inc., Plainville, Conn. Moving mechanism for photographic range finders. 2,641,157, June 9.
Schwartz, Nathan R., New York, N. Y. Recessed lighting fixture having a retractable lamp and reflector adjustable about horizontal and vertical axes. 2,636,979, Apr. 28.
Schwartz, Nathan R., assignor to Naras Research, Inc., New York, N. Y. Swivel unit. 2,643,144, June 23.
Schwartz, Ralph E., Hollywood, assignor to Vibradamp Corporation, Los Angeles, Calif. Making a fiber glass mat. 2,647,851, Aug. 4.
Schwartz, Robert S., Bronxville, assignor to Faximile, Inc., New York, N. Y. Recording method and apparatus. 2,662,803, Dec. 15.
Schwartz, Sylvan, New York, N. Y. Hair clip. 2,636,500, Apr. 28.
Schwartz, William H., assignor to Lester Engineering Company, Cleveland, Ohio. Die casting machine. 2,656,576, Oct. 27.
Schwartzberg, Hyman, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Bodied phenolic varnish and process. 2,636,017, Apr. 21.
Schwartzman, Sam, assignee: *See*—
Morrison, Simon.
Schwarz, Benno, Norwich, England. Speed and voltage control of stator fed alternating current commutator motors and frequency converters. 2,640,178, May 26.
Schwarz, Bertram A., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Combination radio receiver. 2,662,975, Dec. 15.
Schwarz, Ella, New York, N. Y. Convertible clothes rack and screen. 2,627,980, Feb. 10.
Schwarz, Ernst, assignor to Hilger & Watts, Limi
don, England. Producing photoconductive
2,636,855, Apr. 28.
Schwarz, Ernst, assignor to Hilger & Watts Limi
don, England. Vacuum seal. 2,639,833, May
Schwarz, Fred, Yonkers, assignor to Ads Metal
Co., Inc., Brooklyn, N. Y. Adjustable shoul
and buckle. 2,643,431, June 30.
Schwarz, Gerald L., Cleveland Heights, assigno
Controls, Inc., Cleveland, Ohio. Blower-fil
2,641,404, June 9.
Schwarz, Hans G., assignor to Avco Manufactu
poration, Cincinnati, Ohio. Pulse-type powe
2,637,011, Apr. 28.
Schwarz, Joseph A., Chicago, Ill., assignor to
Electric Company. Mixer bowl. 2,656,163, Oct
Schwarz, Joseph A., Chicago, Ill., assignor to
Electric Company. Food mixer. 2,662,753, De
Schwarz, Marcel G., assignor to Societe Rateau
Anonyme), Paris, France. Centrifugal pump
pressor. 2,656,096, Oct. 20.
Schwarzenberg, Russell E.: *See*—
Houtte, Ralph J., and Schwarzenberg.
Schwarzkopf, Vergil, La Grange, assignor to The
Paulson Company, Chicago, Ill. Milk fat blend
ratus. 2,662,751, Dec. 15.
Schwarzmann, Gustav T., Washington, D. C.
windshield wiper. 2,639,455, May 26.
Schweckendiek, Walter: *See*—
Reppe, Walter, Schweckendiek, and Kroepe
Schweda, Albert M.: *See*—
Sauer, George, and Schweda.
Wallenberg, Ned L., and Schweda.
Schweda, Albert M., assignor to Union Specia
Company, Chicago, Ill. Mounting for sewing
power units. 2,643,838, June 30.
Schwede, Otto G., Camarillo, Calif. Rotatron
transducer. 2,662,980, Dec. 15.
Schwefsky, Melvin, Union, assignor to United
Mfg. Corp., Linden, N. J. Forming multicolo
composition. 2,658,002, Nov. 3.
Schweich, Edward F., St. Louis County, assignor
Mathes Company, St. Louis, Mo. Container
aging toruslike objects and articles. 2,652,
22.
Schweig, Julius A., Clayton, assignor to Security
Company, St. Louis, Mo. Elevator sh
2,624,081, Jan. 6.
Schweighofer, Horst M., and G. E. Nicholson, as
Collins Radio Company, Cedar Rapids, Iow
positioning system. 2,656,497, Oct. 20.
Schweigler, Fred R., Delavan, Wis., assignor to T
W. Borg Corporation, Chicago, Ill. Switch
for automobile clocks. 2,663,769, Dec. 22.
Schweikert, Edward W., New York, N. Y. Di
chair or stool for bars, counters, or the like.
Jan. 20.
Schweikert, Edward W., New York, N. Y. Sanit
wear liner. 2,629,380, Feb. 24.
Schweiss, Joseph, assignor to Carter Carbureto
tion, St. Louis, Mo. Fluid pressure sensiti
2,662,946, Dec. 15.
Schweisthal, Frederick G., Skokie, assignor to
Warner Corporation, Chicago, Ill. Reversing
centralized lubricating systems. 2,632,465, M
Schweiter, Walter, Horgen, Switzerland, assigno
chinenfabrik Schweiter A. G. Cop supplying n
2,629,483, Feb. 24.
Schweiter, Walter, Horgen, Switzerland, as
Maschinenfabrik Schweiter A. G. Cop
2,639,098, May 19.
Schweiter, Walter, Horgen, Switzerland, assign
chinenfabrik Schweiter A. G. Thread supp
nism. 2,640,654, June 2.
Schweitzer, Carl E., assignor to E. I. du Pont d
and Company, Wilmington, Del. Oxidation
compounds. 2,644,837, July 7.
Schweitzer, Edward F.: *See*—
Moulton, Joseph D., Schweitzer, and Briggs
Schweitzer, Erich, assignor to Markel Elec
ucts, Inc., Buffalo, N. Y. Tone arm indexi
2,638,349, May 12.
Schweitzer, Frank J., Jr., Brea, Calif. Protect
blowout preventer assembly. 2,631,609, Mar
Schweitzer, Howard V., assignee: *See*—
Verba, Richard J.
Schweitzer, Howard V., Shaker Heights, Ohio.
lining machine. 2,645,200, July 14.
Schweitzer, Howard V., Shaker Heights, Ohio.
ing machine. 2,651,282, Sept. 8.
Schweizer, Hans, Luino, Italy, assignor to A
schaft Joh. Jacob Rieter & Cie., Winterthu
land. Method and device for mixing tex
2,662,250, Dec. 15.
Schweizer, Max N., New York, assignor to Re
matic Machinery Company Inc., Brooklyn, N
speed capping machine. 2,658,654, Nov. 10.
Schweizer, Paul, Easton, Pa., assignor to T.
Sheridan Company, New York, N. Y. M
stuffing newspapers or similar sheet mate
blages. 2,634,971, Apr. 14.

Schweizerische Lokomotiv und Maschinenfabrik, assignee: *See*—
Borgeaud, Gaston, and Waldvogel.
Meyer, Ernst.
Müller, Theodor.
Widmer, Leo P.

Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Making an element having a fin. 2,627,652, Feb. 10.

Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Compressor. 2,647,683, Aug. 4.

Schwencke, Edmund H., New York, N. Y., assignor to Elastomer Chemical Corporation, Nutley, N. J. Plasticizers and plastic compositions. 2,654,719, Oct. 6.

Schwend, Fred N.: *See*—
Oldenburg, Kenneth F., and Schwend.

Schwender, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manually and fluid pressure operated valve. 2,644,485, July 7.

Schwenk, Erwin: *See*—
Sperber, Nathan, Papa, and Schwenk.

Schwenk, Erwin, and G. A. Fleischer, Montclair, N. J., assignors, by mesne assignments, to the Attorney General of the United States. Preparation of ammonium penicillin. 2,625,544, Jan. 13.

Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors, by mesne assignments, to Schering International Research Institute, Bloomfield, N. J. Halogenated aryl alicyclic carboxylic acids and their salts and manufacturing the same. 2,637,745, May 5.

Schwenzer, George A., assignee: *See*—
Culver, Harry D.

Schwenzfeier, Carl W., Jr., Bay Village, and C. S. Pomelee, Elyria, assignors, by mesne assignments, to Reconstruction Finance Corporation, Cleveland, Ohio. Producing fluoridic compounds of beryllium of high purity. 2,660,515, Nov. 24.

Schwenzfeier, Otto, McCook, Nebr., assignor to J. T. Clark, Fort Morgan, Colo. Spark plug adjusting pliers. 2,645,142, July 14.

Schwer, John, Pittsburgh, Pa. Clip board for holding writing paper. 2,646,993, July 28.

Schwerin, Andre K., assignor to Miracol-R Ltd., Montreal, Quebec, Canada. Developing mutilayer color films. 2,626,215, Jan. 20.

Schwerin, Paul, White Plains, assignor to Schwerin Research Corporation, New York, N. Y. Audience response indicating system. 2,629,645, Feb. 24.

Schwerin Research Corporation, assignee: *See*—
Schwerin, Paul.

Schwering, Paul B., Glasgow, Mo. Hinge assembly. 2,632,917, Mar. 31.

Schwertfeger, Walter J.: *See*—
McCann, Frank H., and Schwertfeger.

Schwertfeger, Walter J., Englewood, N. J., assignor to Keyes Fibre Company, Waterville, Maine. Molded pulp article. 2,634,039, Apr. 7.

Schwertner, Armin W., Vancourt, Tex. Brake control means for trailers. 2,648,407, Aug. 11.

Schwester, Daniel P., East Orange, assignor, by mesne assignments, to Titeflex, Inc., Newark, N. J. Spirally wound corrugated welded tubing. 2,644,879, July 7.

Schwester, Daniel P., East Orange, and J. J. Phillips, West Orange, assignors, by mesne assignments, to Titeflex, Inc., Newark, N. J. Metallic bellows. 2,657,074, Oct. 27.

Schwester, Daniel P., East Orange, and J. J. Phillips, West Orange, assignors, by mesne assignments, to Titeflex, Inc., Newark, N. J. Metallic bellows. 2,657,075, Oct. 27.

Schwindt, Benjamin W., Freeport, N. Y. Sloping sink top combination. 2,630,580, Mar. 10.

Schwindt, Jack, assignor of fifty per cent to K. W. Schwindt, Fort Morgan, Colo. Ditching plow adjustment mechanism. 2,651,858, Sept. 15.

Schwindt, Katherine W., assignee: *See*—
Schwindt, Jack.

Schwinger, Julian S.: *See*—
Lippmann, Bernard A., and Schwinger.

Schwitzer-Cummins Company, assignee: *See*—
Englander, Imre A.

Schwoerer, Mary L., Irvington, N. J. Foundation garment for women. 2,648,068, Aug. 11.

Schymik, Walter H., Oreland, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Hinged bus enclosure. 2,664,456, Dec. 29.

Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Current transfer device for high-speed rotary shafts. 2,636,066, Apr. 21.

Sciarrillo, Cayetano E. N.: *See*—
Sciarrillo, Nicholás H. C., C. E. N., and R. H.

Sciarrillo, Nicolás H. C., C. E. N., and R. H., Buenos Aires, Argentina. Folding chair. 2,652,099, Sept. 15.

Sciarrillo, Reinaldo H.: *See*—
Sciarrillo, Nicholás H. C., C. E. N., and R. H.

Sciascia, Matthew: *See*—
Farber, Eduard, and Sciascia.

Science Associates Inc., assignee: *See*—
Rath, Stephen.

Scinta, Anthony C., Buffalo, and A. Rappl, Eggertsville, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,649,605, Aug. 25.

Scientific Design Company, Inc., assignee: *See*—
Cunningham, George L.

Scivally, Bernice M., Houston, Tex. Casing scraper. 2,627,925, Feb. 10.

Scofield, Emory J.: *See*—
Johnson, Edwin L., and Scofield.

Scofield, Paul C., Glendale, and F. H. Green, assignors to The Garrett Corporation, Los Angeles, Calif. Means for maintaining unrestricted flow of refrigerating air through ducts or the like. 2,628,481, Feb. 17.

Scofield, Raymond C., La Marque, and J. Krahé, assignors to Pan American Refining Corporation, Texas City, Tex. Tower packing. 2,630,305, Mar. 3.

Scofield, Robert O., and H. C. Schryver, Warren, Ohio, assignors to General Motors Corporation, Detroit, Mich. Stator winding machine. 2,624,518, Jan. 6.

Scoles, Graham J., London, England, assignor to General Electric Company. Limiting amplifier. 2,655,597, Oct. 13.

Scopicon, Inc., assignee: *See*—
Welskopf, Edwin C.

Scordamaglia, Jack, assignee: *See*—
Cerracchio, Enrico.

Scordley, Jack, assignee: *See*—
Cerracchio, Enrico.

Scordley, Vincent J., assignee: *See*—
Cerracchio, Enrico.

Scordo, Carmine R., South Norwalk, and G. W., and F. L. Wassell, assignors to G. P. Wassell, Westport, Conn. Inventory aging display device. 2,640,457, June 2.

Scott, Arthur K.: *See*—
Linn, Norman F., Ernst, and Scott.
Linn, Norman F., Scott, and Rupp.

Scott-Atwater Manufacturing Company, assignee: *See*—
Armstrong, Daniel A.
Bandli, John C.
Carlson, Byron, and Betzold.
Raleigh, Walter J.
Snyder, Merton F.

Scott-Atwater Manufacturing Co., Inc., assignee: *See*—
Armstrong, Daniel A., Carlson, and Walz.

Scott Aviation Corporation, assignee: *See*—
Cupp, Charles D.
Miller, Arthur E.

Scott, Ben A.: *See*—
McKinley, John K., Scott, Goff, and Nelson.

Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Winding machine with minimum turn spacing device. 2,638,278, May 12.

Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Wire guide. 2,652,986, Sept. 22.

Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Winding machine. 2,653,772, Sept. 29.

Scott, Benjamin B., Jr., Pittsburgh, Pa. Coil winding. 2,639,097, May 19.

Scott, Benjamin B., Jr., Schenectady, N. Y. Winding and packaging coils. 2,658,263, Nov. 10.

Scott, Benjamin B., G. F. Greene, and F. E. Valentine, Schenectady, N. Y., assignors to General Electric Company. Winding machine. 2,645,429, July 14.

Scott, Bessie L., Altus, Okla. Frame for making scalloped crochet edging. 2,653,017, Oct. 13.

Scott, Carl W.: *See*—
White, Frank J., and Scott.

Scott, Charles G., Kingsport, Tenn. Pneumatically operated picker mechanism for looms. 2,644,489, July 7.

Scott, Charles H., South Norwalk, assignor to The Dorr Company, Stamford, Conn. Raking classifier. 2,647,631, Aug. 4.

Scott, Charles H., Westport, assignor to The Dorr Company, Stamford, Conn. Sedimentation apparatus. 2,650,707, Sept. 1.

Scott, Cleveland R.: *See*—
Ayers, Arnold L., and Scott.

Scott, Clifford O., Fort Mitchell, Ky. Sliding door construction for vehicle bodies. 2,658,792, Nov. 10.

Scott, Floyd L., A. E. Wisler, and H. B. Woods, assignors to Hughes Tool Company, Houston, Tex. Cutting tool and making. 2,660,405, Nov. 24.

Scott, Floyd L., Jr.: *See*—
Brown, Cicero C., and Scott.
Potts, Ernest L., and Scott.
Scott, Fred A., and F. L.

Scott, Fred A., Midland, and F. L. Scott, assignors to Hughes Tool Company, Houston, Tex. Stabilizer for drill collars and drill pipe. 2,640,735, June 2.

Scott, Frederick M.: *See*—
Allyn, William G., Scott, and Greppin.
Allyn, William N., Cook, Browne, Scott, and Carroll.

Scott, Frederick S., West Los Angeles, assignor to Union Oil Company of California, Los Angeles, Calif. Flux oil and revivifying asphalt roads therewith. 2,639,651, May 26.

Scott, Henry L., Beuchel, assignor to Brown-Forman Distillers Corporation, Louisville, Ky. Yeast fermentation process. 2,663,667, Dec. 22.

Scott, James G., Washington, D. C. Apparatus for and the method of control and utilization of Dry Ice. 2,656,687, Oct. 27.

Scott, John M., assignor to Star Engraving Company, Houston, Tex. Ring dressing device. 2,637,146, May 5.

Scott, John W., Jr.: *See*—
Eagle, Same, and Scott.

Scott, Joseph E., Pratt, Kans. Instrument for removing saliva. 2,644,234, July 7.

Scott, Lawrence B., Oakland, R. R. Whetstone, Orinda, and J. Van Overbeek and R. Blondeau, Modesto, assignors to Shell Development Company, San Francisco, Calif. Herbicidal composition and weed control. 2,633,418, Mar. 31.

Scott, Le Roy H.: *See*—
Kalinske, Anton A., and Scott.

Scott, Lloyd H., Chagrin Falls, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Centrifugal and one-way clutch. 2,663,397, Dec. 22.

Scott, Lyle B., South Gate, assignor to Byron Jackson Co., Vernon, Calif. Swivel ball adapter weight sensing device. 2,645,120, July 14.

Scott, Lyle B., South Gate, assignor to Byron Jackson Co., Vernon, Calif. Weight sensing device. 2,645,121, July 14.

Scott, Michael H., Evansville, Ind., assignor to International Harvester Company. Spring hinge. 2,654,118, Oct. 6.

Scott Paper Company, assignee: *See*—
Ostertag, Harry M.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical composing machine. 2,662,636, Dec. 15.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical composing machine. 2,663,408, Dec. 22.

Scott, Robert C., Belmont, Mass., assignor to United States of America as represented by the Secretary of War. Electron discharge device anode. 2,653,259, Sept. 22.

Scott, Robert E., Southfield Township, Oakland County, assignor to G. E. Gagnier, Detroit, Mich. Fastening device. 2,643,433, June 30.

Scott, Robert J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., trustee. Closure plug. 2,638,242, May 12.

Scott, Robert J., Blue Springs, Mo., and N. M. Rusko, Mission Kans., assignors to J. C. Hockery, trustee for H. J. and F. L. Talge, Kansas City, Mo. Steam iron. 2,648,148, Aug. 11.

Scott, Roderic M., Stamford, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Thermocouple. 2,652,442, Sept. 15.

Scott Testers, Inc., assignee: *See*—
Rogers, Robert W.

Scott, Thomas R.: *See*—
May, Winston E., and Scott.

Scott, Thomas R., and W. K. Weston, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Tube and its manufacture. 2,640,501, June 2.

Scott, Walter J., Woonsocket, R. I. Stop motion device for sliver processing machines. 2,662,251, Dec. 15.

Scott, Willard R.: *See*—
Rohrback, Gilson H., McCloud, and Scott.

Scott, Willard R., Jr.: *See*—
Rohrback, Gilson H., McCloud, and Scott.

Scott, William E.: *See*—
Goldberg, Moses W., and Scott.

Scott, William F., assignor to The Maytag Company, Newton, Iowa. Ironer unit. 2,633,033, Mar. 31.

Scott, William H.: *See*—
Wilson, Jack P., and Scott.

Scott, William R., Greene, N. Y. Automatic lead seal casting machine. 2,629,150, Feb. 24.

Scott, William W., Dallas, Tex. Pipe measuring device. 2,629,934, Mar. 3.

Scott & Williams, Incorporated, assignee: *See*—
Bristow, Paul W.
Desmonds, Albert X.
Lawson, Robert H.
McVey, Clarence H.
Moss, Jacob S.
Parham, Grover C.
Shelmire, Stanley R.

Scott, Wylmer L., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Making fiberboard from groundwood. 2,642,359, June 16.

Scott, Wylmer L., Manheim Township, Lancaster County, A. D. Park, and J. T. Baldwin, assignors to Armstrong Cork Company, Lancaster, Pa. Building structure. 2,648,104, Aug. 11.

Scotts Engineering (Newport) Limited, assignee: *See*—
Burdin, Nelson V.

Scovill Manufacturing Company, assignee: *See*—
Boden, George, and Duell.
Briechle, Joseph.
Firing, Osborne.
Hedberg, Victor A., Jr.
Huelster, Otto J., and D'Amico.
Knotter, James D.
Simpson, Richard W.
Sonntag, Karl F.
Spender, Donald L.
Spender, Donald L., and Howard.
Thompson, Ralph E.
Veilleux, Lewis J.

Scoville, Ray R., assignee: *See*—
Hughes, Albert F.

Scranton, Charles J., La Porte, Wis., assigno
Chalmers Manufacturing Company, Milwa
Manure spreader. 2,660,439, Nov. 24.

Scranton, Clifford B., and C. T. Brewer, St.
said Scranton assignor by decree of dist
H. B. Scranton. Thread trimming machine.
June 30.

Scranton, Helen B., assignee: *See*—
Scranton, Clifford B., and Brewer.

Scranton, Norman A., and M. A. White, assigne
Staley Manufacturing Company, Decatur, Il
ing tube and associated bag top gripping
2,643,804, June 30.

Scray, Eugene J., Sr., Bound Brook, N. J. Le
2,640,361, June 2.

Screen Printing Machinery Limited, assignee:
Freeborn, James E.

Scremin, Eric H.: *See*—
Sonia, Joseph A., and Scremin.

Screw Conveyor Corporation, assignee: *See*
Maas, Russell B.

Scribner, William H., Tompkins County, N
washer and drier. 2,628,376, Feb. 17.

Scripto, Inc., assignee: *See*—
Smith, Blanchard D., and Berry.

Scrivener, Samuel, Jr., trustee, assignee: *See*
Peters, Melville F.

Scruggs, Arthur W., Bloomington, Calif. Mac
producing patterns or images. 2,656,604, C

Scruggs, John L., North Sacramento, Calif.
power unit. 2,657,674, Nov. 3.

Scudder, Charles, Bayside, N. Y. Cord li
2,659,974, Nov. 24.

Scudder, Robert M.: *See*—
Fiet, Owen O., and Scudder.

Scudi, John V.: *See*—
Tenenbaum, Leon E., and Scudi.

Scudi, John V., Riverdale, and F. E. Anderso
to Nepera Chemical Co., Inc., Yonkers, N
semicarbazones of furylketones. 2,639,287.

Scull, William S., 2nd, Bryn Mawr, and G.
Selinsgrove, Pa., assignors, by mesne assi
Jabez Burns & Sons, Inc. Apparatus for ro
table materials. 2,644,681, July 7.

Scullin, Carl H., Florham Park, N. J., assign
inghouse Electric Corporation, East Pitt
High power tube blocking condenser. 2,628,

Scullin Steel Co., assignee: *See*—
Hohn, Frank X. and F. H.

Scully, Charles N.: *See*—
Brubaker, John W., Sanz, and Scully.

Scully, Lawrence J., Bridgeport, Conn. Device
ing pitch diameter of screws, bolts, an
2,663,948, Dec. 29.

Scully Signal Company, assignee: *See*—
Rowell, William G.

Seaberg, Carl E.: *See*—
Crowe, John T., and Seaberg.

Seabert, John D., Haddon Heights, N. J., assig
Corporation of America. Immersible ele
loudspeaker. Re. 23,724, Oct. 13.

Seaboard Container Corporation, assignee:
Apgar, Charles W.

Seaboard Machinery Corporation, assignee:
Jernstrom, Karl W.

Seaborne, Charles R., Appleton, assignor to Th
& Paper Company, Kaukauna, Wis.
2,651,447, Sept. 8.

Seafood Equipment Corporation, assignee: S
McKinstry, Alston R.

Seagram, Joseph E., & Sons, Inc., assignee
Brown, Eugene H. C., and Renner.
Brown, Eugene H. C., and Lefkowitz.
Capstack, Eugene J., Weber, and Zuccarin
Meyer, Andre J., and Davis.
Unger, Earl D., Smith, and Willkie.

Seagren, Carl E., assignor to Carl Seagren
Brooklyn, N. Y. Apparatus for making
sional ornamental units in the nature of d
2,624,294, Jan. 6.

Seagren, Carl, Enterprises, assignee: *See*—
Seagren, Carl E.

Seaholm, Rudolph V., Chicago, Ill. Self-clean
for water and other liquids. 2,626,710, Jan

Sea Island Mills, Inc., assignee: *See*—
Wright, William E.
Wright, William E., and Bond.

Seal Incorporated, assignee: *See*—
Krueger, Theodore H.

Seale, Frank E., assignor to V. P. Seale, doin
Bill-E-Company, Lexington, Ky. Spinnin
embossed indicia. 2,638,706, May 19.

Seale, Homer T., Inc., assignee: *See*—
Affleck, Theodore H.
Seale, Homer T.

Seale, Homer T., assignor to Homer T. Sea
Angeles, Calif. Convertible air hos
2,641,272. June 9.

Seale, Homer T., Los Angeles, Calif. Auxi
valve for busses. 2,656,016, Oct. 20.

Seale, Tom: *See*—
McGee, Dean A., Danielson, and Seale.

Seale, V. P., assignee: *See*—
Seale, Frank E.
Sealed Power Corporation, assignee: *See*—
Carlson, John A., Bathrick and Morse.
Olson, Holly M.
Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Grommeted lead panel for oil-filled electrical apparatus. 2,656,403, Oct. 20.
Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dial switch with stationary blades having cutback edges. 2,662,130, Dec. 8.
Seal-Spout Corporation, assignee: *See*—
Klausmann, Milton H., and Brucker.
Seals, Rose M., Newport, Ky. Sanitary belt. 2,624,340, Jan. 6.
Seaman, Charles, Laurel, and E. L. Seaman, Garden City, assignors to S. & W. Sewing Machine Attachment Co., New York, N. Y. Shirring attachment for sewing machines. 2,662,494, Dec. 15.
Seaman, Edward L.: *See*—
Seaman, Charles and E. L.
Seaman, Edward L., Garden City, assignor to S. & W. Sewing Machine Attachment Co., New York, N. Y. Scalloped shirring and making same. 2,631,294, Mar. 17.
Seaman, Edward L., Garden City, assignor to S. & W. Sewing Machine Attachment Co., New York, N. Y. Sewing machine and attachment for producing scalloped shirred trimming material. 2,631,556, Mar. 17.
Seamless Rubber Company, The, assignee: *See*—
Crowley, Cornelius J.
Madsen, Paul S.
Seapak Corporation, assignee: *See*—
Hice, Jaxon O., and Meadows.
Sear, Arthur W., Syracuse, N. Y., assignor to General Electric Company. Phonograph turntable mechanism. 2,627,414, Feb. 3.
Searer, Jay C.: *See*—
Less, Frank W., Roeck, and Searer.
Searl, Alonzo H.: *See*—
Moore, Donald W., and Searl.
Searle, G. D., & Co., assignee: *See*—
Burtner, Robert R.
Colton, Frank B.
Cusic, John W.
Cusic, John W., and Robinson.
Hadidian, Zareh, and Pirie.
Huffman, Max N.
Jacobsen, Robert P.
Jacobsen, Robert P., and Pincus.
Krimmel, Carl P.
Papesch, Viktor, and Schroeder.
Robinson, Richard A.
Rorig, Kurt.
Searle, Norman E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of N-aromatic-N'-aliphatic hydrocarbon ureas. 2,655,534, Oct. 13.
Searle, Norman E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 1-cyclohexyl-3, 3-dialkylureas and their use as herbicides. 2,661,272, Dec. 1.
Searle, Norman E., and C. W. Todd, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., Haloarylhydroxyalkyl-ureas. 2,663,729, Dec. 22.
Searles, Will C., Denver, Colo. Hatrack for automobiles. 2,659,489, Nov. 17.
Sears, Albert J.: *See*—
Martin, George C., and Sears.
Sears, Carleton A.: *See*—
Long, Robert S., and Sears.
Sears, George R.: *See*—
McKee, Robert C., and Sears.
Sears, Joseph N., assignor to L. J. Carr & Co., Sacramento, Calif. Structural board from wood waste, extracted flour of soya beans and melamine-urea formaldehyde resin. 2,658,878, Nov. 10.
Sears, Melville, Ridgefield Park, N. J., assignor to Craftmaster Manufacturing Co., Inc., Ashtabula, Ohio. Portable device for scrubbing and rinsing automobile bodies and the like. 2,659,915, Nov. 24.
Sears, Raymond W.: *See*—
Anderson, Alva E., and Sears.
Sears, Robert L.: *See*—
Craig, Adrian W., Sears, and Hubbard.
Sears, Roebuck and Co., assignee: *See*—
Cox, Oscar F.
Johnson, J. Leonard, and Williamson.
MacDonald, Paul.
Zink, William L.
Seary, Eugene, Rochester, and A. Salerno, Corona, assignors to Pavelle Color Incorporated, New York, N. Y. Protecting color pictures exposed to high humidities against fading and staining. 2,647,057, July 28.
Seat, Glenn W.: *See*—
Webb, Mildred G., and Seat.
Seaton, Harold E., assignor to The Autocall Company, Shelby, Ohio. Plug-in relay. 2,662,135, Dec. 8.
Seaton, Harold E., and C. H. Baker, Shelby, Ohio. Golf ball holder. 2,661,129, Dec. 1.
Seaton, Max Y.: *See*—
Pike, Robert D., and Seaton.
Seaver, Fred H., Jackson, Miss., and R. J. Britt, Delavan, Wis. Lock system for automobiles. 2,637,196, May 5.
Seaver, Jay J., Evanston, Ill. Means for separating solids from exhaust gases of open-hearth furnaces. 2,640,692, June 2.
Seavey, Frederick R.: *See*—
Barocca, Aldo J., and Seavey.
Seavey, Gordon C.: *See*—
Horsley, Caperton B., and Seavey.
Seavey, Gordon C., Arlington, assignor to Sonic Research Corporation, Boston, Mass. First-mode torsional vibration damper. 2,625,379, Jan. 13.
Seavey, Gordon C., Arlington, assignor to Sonic Research Corporation, Boston, Mass. Thrust absorbing device for rotationally oscillating systems. 2,625,380, Jan. 13.
Seaward, Charles W., Hamden, Conn., and J. Latorraca, Jamaica Plain, Mass., assignors to Mergenthaler Linotype Company. Typographical machine. 2,657,790, Nov. 3.
Sebald, Joseph F., Bloomfield, assignor to Worthington Corporation, Harrison, N. J. Method and apparatus for removal of ammonia in boiler feedwater systems. 2,626,005, Jan. 20.
Sebald, Joseph F., Bloomfield, N. J., assignor to Worthington Corporation. Water treating apparatus. 2,643,976, June 30.
Sebald, Joseph F., Bloomfield, assignor to Worthington Corporation, Harrison, N. J. Selector valve for water treating apparatus. 2,646,072, July 21.
Se Bastian, Ford, Chicago, Ill., assignor to Electro-Snap Switch & Mfg. Co. Disk-shaped phonograph vending apparatus. 2,656,235, Oct. 20.
Se Bastian, Ford, Elmhurst, Ill., assignor, by mesne assignments, to The Silex Company, Hartford, Conn. Adjustable fan with guard. 2,664,242, Dec. 29.
Sebel, David, London, England. Push chair. 2,649,310, Aug. 18.
Sebel, Harry, London, England. Crank mechanism. 2,644,345, July 7.
Sebel, Harry, London, England. Combination chair and desk. 2,661,049, Dec. 1.
Sebell, Harry, Syracuse, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Can. 2,663,455, Dec. 22.
Sebens, Carl R., Bridgeport, Conn., assignor to General Electric Company. Water cooler for refrigerator. 2,644,318, July 7.
Sebert, Harry I.: *See*—
Peters, Leo, and Sebert.
Sebok, Frank: *See*—
Sebok, Joseph B. and F.
Sebok, Frank, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Clamp arrangement for connecting tubular members. 2,663,582, Dec. 22.
Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner. 2,626,010, Jan. 20.
Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner, intake silencer, and carburetor housing assembly. 2,626,677, Jan. 27.
Sebok, Joseph B. and F., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner, intake silencer, and carburetor housing unit. 2,626,009, Jan. 20.
Sechrist, Roy H., Marion, Ohio. Means for fastening objects to cylindrical bodies. 2,627,431, Feb. 3.
Seckula, Joseph C., Sr., Newark, N. J. Coin separating and counting machine. 2,635,730, Apr. 21.
Secofsky, Abraham, and M. A. Melsel, Brooklyn, and A. Zalman, Kew Gardens Hills, N. Y. Adjustable camera and spotlight support. 2,641,430, June 9.
Secor, Herbert W., Ballston Spa, N. Y., assignor to General Electric Company. Quenching device. 2,625,945, Jan. 20.
Secor, Hubert B., Gig Harbor, Wash. Oyster preparing machine. 2,640,223, June 2.
Secord, Lloyd C., Toronto, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Gas turbine starter mounting. 2,640,315, June 2.
Secord, Robert N.: *See*—
Engelson, George E., and Secord.
Secotan, Inc., assignee: *See*—
Ushakoff, Alexis E.
Secrest, Levi D., Santa Ana, Calif. Supplemental thread tension for sewing machines. 2,645,196, July 14.
Secrest, William J., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for tension-calendering fabric. 2,627,296, Feb. 3.
Secrist, Horace A., Dedham, assignor to The Kendall Company, Boston, Mass. Unwoven fabric. 2,625,733, Jan. 20.
Security Engineering Division, assignee: *See*—
Swart, Kenneth H.
Security Fire Door Company, assignee: *See*—
Schweig, Julius A.
Sedell, Albert E., Cook, Minn. Holder for securing caps to utensil covers. 2,632,581, Mar. 24.
Sedgfield, Hugh B., London, F. A. Summerlin, Lee, London, and G. H. Kyte, Ealing, London, England, assignors to The Sperry Corporation. Servo system. 2,644,427, July 7.
Sedgwick Furniture Corp., assignee: *See*—
Pine, Julius.
Sedgwick, Kenneth G.: *See*—
Goudy, Paul R., and Sedgwick.
Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Control for hydraulic presses. 2,633,708, Apr. 7.

Sedgwick, Wendell W., assignor to Farrington Manufacturing Company, Boston, Mass. Hinged box with moving article support. 2,647,624, Aug. 4.
Sedlak, Thomas J.: *See*—
Fuller, Charles E., and Sedlak.
Sédille, Marcel H. L.: *See*—
Hermitte, Louis A., and Sédille.
Sédille, Marcel H. L., assignor to Societe Rateau (Société Anonyme), and René Anxionnaz, Paris, France. Combustion chambers for gas turbines with diverse combustion and diluent air paths. 2,630,679, Mar. 10.
Sédille, Marcel H. L., assignor to Societe Rateau (Societe Anonyme), and R. Anxionnaz, Paris, France. Semiopen circuit gas-turbine engine. 2,646,663, July 28.
Sédille, Marcel H. L., assignor to Societe Rateau (Societe Anonyme), Paris, France. Means for the aerodynamic braking of aircraft. 2,647,367, Aug. 4.
Sédillé, Marcel H. L., assignor to Societe Rateau (Société Anonyme), and R. Anxionnaz, Paris, France, jointly. Turbine gas engine adapted to operate with or without atmospheric air chiefly for the propulsion of warships. 2,655,788, Oct. 20.
Sée, Daniel M., South Norwalk, Conn. Lipstick case. 2,629,488, Feb. 24.
See, Walter G.: *See*—
Mayus, Eugene, and See.
Seebeck, Ewald, assignor to Sandoz Limited, Basel, Switzerland. Preparing crystalline active principle from allium species. 2,642,374, June 16.
Seeber, Robert R., Jr.: *See*—
Hamilton, Francis E., Seeber, Rowley and Hughes.
Seeburg, J. P., Corporation, assignee: *See*—
Bodoh, Albinus G.
Watterlohn, Roy H.
Seeburg, Oscar E., Nokomis, Fla. Fishing leader kit. 2,638,699, May 19.
Seech, Fran, assignee: *See*—
Pepin, Joseph.
Seede, John A., Schenectady, N. Y. Power transmission. 2,629,062, Feb. 17.
Seederer, Jacob E., Englewood, N. J., and I. Feuer, New York, N. Y., assignors to Seederer-Kohlbusch, Inc., Englewood, N. J. Precision balance. 2,626,796, Jan. 27.
Seederer-Kohlbusch, Inc., assignee: *See*—
Seederer, Jacob E., and Feuer.
Seedorff, William A., Jr.: *See*—
Arend, Carl A., Jr., and Seedorff.
Seeds, Russell M., Company, assignee: *See*—
Pike, Merriom B.
Seefluth, Charles L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Liquid level indicator. 2,640,269, June 2.
Seefluth, Charles L., Bartlesville, Okla., and T. A. St. Clair, Pontiac, Mich., assignors to Phillips Petroleum Company. Pilot valve controlled motor valve. 2,635,631, Apr. 21.
Seeger, Doris R.: *See*—
Parker, Robert P., Seeger, and Kuh.
Seeger, Edwin W.: *See*—
Charbonneau, Allan P., and Seeger.
Seeger, Nelson V.: *See*—
Mastin, Thomas G., and Seeger.
Seeger, Nelson V., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Isocyanate modified polymers. 2,625,531, Jan. 13.
Seeger, Nelson V., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Isocyanate modified polymers. 2,625,532, Jan. 13.
Seeger Refrigerator Company, assignee: *See*—
Alsing, Carl F.
Ayres, Russell W., and Swanson.
Duncan, Thomas W., and Rosencranz.
Swedman, Enoch., and Strobush.
Seeger, Robert W.: *See*—
Felts, Gordon P., and Seeger.
Seel, Howard J.: *See*—
Wood, James R., and Seel.
Seel, Thomas J., Philadelphia, Pa. Jacquard loom harness. 2,624,369, Jan. 6.
Seelenbinder, Robert F., assignor to International Steel Wool Corporation, Springfield, Ohio. Brush and making same. 2,631,323, Mar. 17.
Seeler, Alfred O., Irvington, and L. Gehrig, Montclair, N. J. Electrical timer outlet. 2,626,660, Jan. 27.
Seeler, Henry, Dayton, Ohio. Resuscitator using an auxiliary gas conserving valve. 2,640,479, June 2.
Seeles, Hans: *See*—
Krönig, Walter, Seeles, and Burmeister.
Seeley, E. E., Company, Incorporated, assignee: *See*—
Stier, Hugh A.
Seeley, Stuart W., Roslyn Heights, N. Y., assignor to Radio Corporation of America. Loran transmitter. 2,658,993, Nov. 10.
Seelig, Richard P., Elmhurst, assignor to American Electro Metal Corporation, Yonkers, N. Y. Forming metal powder into a fluid guiding body. 2,653,377, Sept. 29.
Seelman, John J., Milwaukee, Wis. Easel type picture frame. 2,630,992, Mar. 10.
Seeloff, Melvin M.: *See*—
Mallett, Edwin A., and Seeloff.
Seeloff, Melvin M., and R. Anderson, assignors to The Taylor-Winfield Corporation, Warren, Ohio. Die spacing means for welding apparatus. 2,636,966, Apr. 28.
Seely, Oliver, Long Beach, Calif. Key selector and container. 2,634,600, Apr. 14.
Seely, Richard E., Fort Wayne, Ind., assignor to General Electric Company. Dual voltage alternating current motor. 2,630,553, Mar. 3.
Seely, Richard E., Fort Wayne, Ind., assignor to General Electric Company. Thermal overload switch. 2,651,696, Sept. 8.
Seely, Richard E., Fort Wayne, Ind., assignor to General Electric Company. Three-phase alternating current apparatus with thermal protection. 2,662,203, Dec. 8.
Seemuller, Frank G., Philadelphia, Pa. Can opener. 2,642,203, June 16.
Seevers, John F., New Alsace, Ind. Heater for asphalt and tars. 2,629,366, Feb. 24.
Seewald, Monte, Long Beach, assignor to Decorative Novelty Co., Inc., Brooklyn, N. Y. Branched article and making same. 2,639,532, May 26.
Sefcovic, Felix S., assignor to fifty per cent to Bernstein Bros. Pipe & Machinery Company, Pueblo, Colo. Vehicle actuated gate. 2,648,149, Aug. 11.
Sefing, Frederick G., Cranford, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Hardening alloy gray cast iron. 2,646,375, July 21.
Sefried, Harry H., II, assignor to Olin Industries, Inc., New Haven, Conn. Cartridge detent mechanism for self-loading firearms. 2,634,536, Apr. 14.
Segal, Arthur B., Springfield, Ill., assignor, by mesne assignments, to General Bronze Corporation. Mixing and dispensing valve. 2,645,246, July 14.
Segal, Hyman R., New York, N. Y. Antipick cylinder type lock. 2,653,467, Sept. 29.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Catalog binder. 2,627,272, Feb. 3.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Posting tray. 2,637,324, May 5.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Simplified trigger for loose-leaf binders. 2,645,227, July 14.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Posting stand. 2,645,538, July 14.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Staple support slide and feed means for stapling machines. 2,654,087, Oct. 6.
Segal, Samuel, New York, N. Y. Safety razor. 2,656,599, Oct. 27.
Segalman, Bernard, Brooklyn, N. Y. Diffuser for ventilating fans. 2,653,757, Sept. 29.
Segebarth, Herman P., Brussels, assignor to "Societe Anonyme des Ecremeuses Persoons," Thildonck-Weepelaer, Belgium. Pulsatory device for milking machines. 2,652,847, Sept. 22.
Segelhorst, August L., Taft, and M. F. Spurlock, Bakersfield, Calif. Liquid sampling device. 2,663,192, Dec. 22.
Segerstrom, Carl A., Winchester, assignor to Raytheon Manufacturing Company, Newton, Mass. Wave form generating circuits. 2,662,981, Dec. 15.
Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Device for releasably securing brush strips in brush rolls. 2,649,603, Aug. 25.
Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Valved cleaning nozzle with plural mouths for suction cleaners. 2,649,610, Aug. 25.
Segessemann, Ernest: *See*—
Molnar, Nicholas M., and Segessemann.
Segil, L. J., Company, assignee: *See*—
Smith, Gean.
Segil, L. J., Co. (Inc.), assignee: *See*—
Segil, Leon J.
Segil, Leon J., Winnetka, assignor to L. J. Segil Co. (Inc.), Chicago, Ill. Fixture for annular fluorescent lamps. 2,656,453, Oct. 20.
Sego, Harold C., Kansas City, Mo. Grain bed for vehicles. 2,661,104, Dec. 1.
Segre, Mario, Quito, Ecuador, assignor to W. A. Sheaffer Pen Company, Fort Madison, Wis. Fountain pen. Re. 23,683, July 7.
Segsworth, Robert S., Toronto, Ontario, Canada. Electronic bit tester. 2,642,482, June 16.
Segura, Marnell A.: *See*—
Richardson, Roger W., Bilisoly, and Segura.
Seibel, Charles M., assignor, by mesne assignments, to The Cessna Aircraft Company, Wichita, Kans. Cyclic and collective pitch control mechanism for helicopter rotors. 2,630,184, Mar. 3.
Seibel, Charles M., assignor, by mesne assignments, to The Cessna Aircraft Company, Wichita, Kans. Vibration damper for long shafts. 2,652,700, Sept. 22.
Seibel, Peter E., West Hempstead, assignor of one-half to A. Borut, New York, N. Y. Staple forming machine. 2,634,576, Apr. 14.
Seibenhaar, Byron B.: *See*—
Chapman, Robert S., and Seibenhaar.
Seibert, Ernest H.: *See*—
Krause, Richard S., and Seibert.
Seid, Bernard, Clifton, N. J., B. B. Holmes, New York, N. Y., and J. L. Pauly, Hackensack, assignors to Bendix Aviation Corporation, Teterboro, N. J. Fluid flow indicator. 2,650,561, Sept. 1.
Seidel, Gerald S., Norristown, Pa. Automatic turntable for model railways. 2,629,336, Feb. 24.

Seidel, Gustav A., assignor to Spliced wood Corporation, Mellen, Wis. Lay-up table for assembling laminae. 2,624,442, Jan. 6.
Seidel, Robert A.: *See*—
Seidel, Walter T. and R. A.
Seidel, Walter T. and R. A., Baltimore, Md. Auxiliary floor for poultry houses. 2,641,224, June 9.
Seiden, Herman L.: *See*—
Moloney, Raymond T., and Seiden.
Seidenberg, Oscar, Washington, D. C. Abacus. 2,654,164, Oct. 6.
Seidenfaden, Wilhelm, and F. Muris, assignors to Naphtol-Chemie Offenbach, Offenbach-on-the-Main, Germany. Diazonium compounds. 2,633,461, Mar. 31.
Seiderman, Maurice, Burbank, Calif. Application of hair-stimulating fiber. 2,636,460, Apr. 28.
Seidler, Armond H.: *See*—
Kenney, Harold E., and Seidler.
Seidman, Martin, Badger, and K. P. Link, Middleton, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Chemical compounds and preparing the same. 2,642,441, June 16.
Seidman, Martin, Chicago, Ill., and K. P. Link, Middleton, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Haloalkoxy derivatives of the cyclic ketals of warfarin. 2,650,233, Aug. 25.
Seidner, Albert, Tel Aviv, Israel. Lens grinding machine. 2,634,557, Apr. 14.
Seidner, Orville R., Alhambra, Calif. Hairbrush. 2,645,801, July 21.
Seiferle, Edwin J.: *See*—
Chiddix, Max E., Hesse, and Seiferle.
Seifert, Donald W., Winona, Minn. Axial flow jet motor with rotating combustion products generator and turbine. 2,630,676, Mar. 10.
Seifert, Donald W., Winona, Minn. Axial flow jet motor with reversely rotating continuous combustion type combustion products generator and turbine. 2,630,677, Mar. 10.
Seifert, Hans: *See*—
Vogel, Wilhelm, and Seifert.
Seiferth, Oscar E., Chicago, Ill., assignor, by mesne assignments, to Voss Brothers Manufacturing Co., Davenport, Iowa. Package. 2,627,470, Feb. 3.
Seiferth, Oscar E., Madison, Wis., assignor to Oscar Mayer & Co., Inc., Chicago, Ill. Package. 2,646,357, July 21.
Seifried, Anton G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Multicircuit electric safety switch. 2,636,088, Apr. 21.
Seifried, Lyle W., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Address type printing device. 2,633,080, Mar. 31.
Seifried, Paul E.: *See*—
Konet, Henry, and Seifried.
Seifried, Paul E., New City, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyroscope instrument. 2,655,046, Oct. 13.
Seifried, Richard, assignee: *See*—
Gray, Landon R., and Smith.
Seifter, Joseph: *See*—
Bruce, William F., and Seifter.
Seigel, Harold O., Jerome, Ariz., assignor to Newmont Mining Corporation, New York, N. Y. Determining the size of a subsurface ore body. 2,663,004, Dec. 15.
Seiger, Harry W., Santa Monica, Calif. Enuresis bed pad. 2,644,050, June 30.
Seigle, Leslie L.: *See*—
Gagnebin, Albert P., and Seigle.
Seinfeld, Ludwik R., New Providence Township, Union County, assignor to De Laval Steam Turbine Company, Trenton, N. J. Impeller with center intake. 2,658,455, Nov. 10.
Seismograph Service Corporation, assignee: *See*—
Cornett, Jesse R.
Hawkins, James E.
Hawkins, James E., and Finn.
Hawkins, James E., and Pugh.
Klotz, Robert L., Jr.
Seiss, Leonard A., assignor to The Seiss Manufacturing Company, Toledo, Ohio. Electric battery lamp. 2,653,215, Sept. 22.
Seiss Manufacturing Company, The, assignee: *See*—
Seiss, Leonard A.
Seitz, Rudolph O., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method of and apparatus for analyzing gases. 2,640,870, June 2.
Seitzinger, Harry B., Elmira, N. Y. Can opening and dispensing container. 2,653,731, Sept. 29.
Sejarto, Lester, Richmond Hill, and S. J. Stoll, Flushing, N. Y. Key duplicating machine. 2,645,978, July 21.
Sejersted, Johannes, and O. C. Böckman, assignors to Elektrokemisk A/S, Oslo, Norway. Production of electrodes. 2,653,878, Sept. 29.
Sejman, Edmund L., Devon, and L. Lorenzo, assignors to The Acme Shear Company, Bridgeport, Conn. Scissors pivot structure. 2,645,850, July 21.
Sejournet, Jacques, assignor to Comptoir Industriel d'Etirage et Profilage de Metaux, Paris, France. Lubricating process with fibrous material in the hot extrusion of metals. 2,630,220, Mar. 3.
Seko, Kaichi, assignor of one-fourth to M. Tsubota, Seattle, Wash. Conformable toothbrush and tongue scraper. 2,651,068, Sept. 8.
Selas Corporation of America, assignee: *See*—
Bloom, Quentin M.
Garrett, James W.
Hess, Frederic O.
Hess, Frederic O., and Kniveton.
Krieble, Elvin L.
Mann, Carl P.
Morck, Charles W., Jr., and Koch.
Skivesen, Kristian.
Von Ludwig, Davidlee.
Selberg, John P., Los Angeles, Calif., assignor to International Derrick & Equipment Company, Columbus, Ohio. Hinged base frame for portable derrick masts. 2,660,268, Nov. 24.
Selby, William R., Springfield, Ill. Drive spike. 2,649,009, Aug. 18.
Selck, Walter E., and Co., assignee: *See*—
Drain, Herbert D.
Seldin, Leon, River Edge, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Television circuit. 2,655,615, Oct. 13.
Selectronics, Inc., assignee: *See*—
Samuelson, Wallace H. E.
Selesnick, William: *See*—
Howard, Alfred S., and Selesnick.
Self-Aligning Bearing Company, Inc., assignee: *See*—
Phillips, Lewis H.
Self Winding Clock Company, Inc., assignee: *See*—
Maerz, Henry.
Selgas, Armand L., Brooklyn, N. Y. Cigarette holder attachment for beer cans. 2,653,616, Sept. 29.
Selgin, Paul J., Washington, D. C. Device for the identification of documents or printed matter. 2,646,717, July 28.
Selig, Clifford B. R., Lima, Ohio. Bass violin folding stand. 2,630,289, Mar. 3.
Selig, Pearl, Chicago, Ill. Magnetic lot selecting device. 2,657,059, Oct. 27.
Seligman, Miriam, Philadelphia, Pa. Walking horse toy. 2,644,248, July 7.
Seljos, Arthur L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pressure amplifying device. 2,659,381, Nov. 17.
Seljos, Arthur L., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Live line load weight indicator assembly. 2,659,575, Nov. 17.
Sell, Wilson D., assignor of one-half to P. Warfel, Clyde Park, Mont. Portable irrigation dam. 2,655,791, Oct. 20.
Sellars, George L.: *See*—
Barber, Hiram L., and Sellars.
Sellen, Carl R.: *See*—
Holtz, Edward H., and Sellen.
Sellers, Albert E. G., Radnor, Pa. Ratchet wrench. 2,660,910, Dec. 1.
Sellers, Austin C., Menominee, Mich., assignor to Heywood-Wakefield Company, Gardner, Mass. Aisle standard for theater chairs. 2,646,841, July 28.
Sellers, Clemilie F., El Banco, Colombia, South America, assignor to Robt. H. Ray, Inc. Geophysical prospecting device. 2,627,727, Feb. 10.
Sellers Injector Corporation, assignee: *See*—
Pedrick, Irenee P.
Sellers, Orville E., Johnstown, Pa. Self-loading trailer. 2,662,655, Dec. 15.
Sellet, Lucien: *See*—
Dawson, William O., and Sellet.
Selling, Hendrik J., Delft, assignor to De Nederlandsche Organisatie Voor Toegepast-Natuur-Wetenschappelijk Onderzoek Ten Behoeve Van Nijverheid, Handel en Verkeer, The Hague, Netherlands. Color reproduction. 2,656,099, Oct. 20.
Sells-Simmons Hydrostatic Baller Corporation, assignee: *See*—
Simmons, Archie L.
Sellwood, Herbert W., Cleveland, Ohio. Novelty keyhole finder. 2,632,266, Mar. 24.
Selman, Roland W., Jr., and B. G. Carson, assignors to De-Raef Corporation, Kansas City, Mo. Composition for making bread. 2,654,672, Oct. 6.
Sel-Set Company, assignee: *See*—
Balch, Theodore H.
Balch, Theodore H., and Van De Mark.
Selson, Elener V., Hollywood, Calif. Head conforming mounting for adjustably positionable hair pieces. 2,651,310, Sept. 8.
Seltzer, Philip, New York, and B. J. Pearlman, Bronx, N. Y. Folding bed structure. 2,632,184, Mar. 24.
Seltzer, Robert E., assignor to The American Baler Company, Bellevue, Ohio. Agricultural material spreader. 2,624,492, Jan. 6.
Seltzer, Robert E., assignor to The American Baler Company, Bellevue, Ohio. Baling machine. 2,646,745, July 28.
Seltzer, Robert E., assignor, by mesne assignments, to Spred-All, Inc., Bellevue, Ohio. Lid construction for material spreaders. 2,664,221, Dec. 29.
Seltzer, Robert W., Hartford, Conn. Hose clamp. 2,627,635, Feb. 10.
Selvia, Luther, assignee: *See*—
Jones, Frank J.

Selvin, Gerald J., Bronx, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Heat sealing apparatus. 2,647,557, Aug. 4.
Selwyn-Landers Company, assignee: *See*—
Selwyn, Marlowe F.
Selwyn, Marlowe F., assignor to Selwyn-Landers Company, Los Angeles, Calif. Fluid return valve. 2,632,462, Mar. 24.
Selz, Jacques, assignor to Compagnie Industrielle des Telephones, Paris, France. System for measuring phase distortion in transmission networks, particularly cables. 2,632,792, Mar. 24.
Semler, Loren H., Chicago, Ill. Magazine and feed means for stapling machines. 2,643,376, June 30.
Semler, Loren H., assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Dispenser for ejecting and severing gummed tape. 2,642,936, June 23.
Semm, Paul T., Chicago, assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Variable sensitivity control device and circuit for use therein. 2,650,986, Sept. 1.
Semon Bache & Company, assignee: *See*—
Schunk, Frederick A., and Mariani.
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Leaf or vegetative fertilizer. 2,663,629, Dec. 22.
Semon, William P., Manhasset, N. Y. Suction fastening device. 2,642,248, June 16.
Semple, Mildred P., Quincy, Mass. Making pastry. 2,625,893, Jan. 20.
Senco Products, Inc., assignee: *See*—
Julifs, Albert G.
Sendel, Limited, assignee: *See*—
Elsden, Herbert E.
Seneca Falls Machine Company, assignee: *See*—
Ashton, Richard A.
Seneca Manufacturing Company, The, assignee: *See*—
Kolbus, Karl.
Senesky, John S., Somerville, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas pressure regulator. 2,645,062, July 14.
Senesky, John S., Somerville, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flowmeter for gases. 2,645,124, July 14.
Senf, Henry R.: *See*—
Martin, William L., Slutz, and Senf.
Sentleben, Paul W., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Means for applying platforms and turning the toe ends of platform covers. 2,659,908, Nov. 24.
Seng Company, The, assignee: *See*—
Fox, Martin.
Seng, James H., Salina, Kans. Tractor mounting for agricultural implements. 2,658,438, Nov. 10.
Sengbusch, Frederick G., executor: *See*—
Sengbusch, Gustav J.
Sengbusch, Gustav J., deceased, Milwaukee, Wis.; W. L. Kuehn, and F. G. Sengbusch, executors, assignors to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sponge cup. 2,658,474, Nov. 10.
Sengbusch Self-Closing Inkstand Company, assignee: *See*—
Sengbusch, Gustav J.
Sengebusch, Hans: *See*—
Graybill, Kenneth W., and Sengebusch.
Senglar, John J., Los Angeles, Calif. Structural section. 2,652,713, Sept. 22.
Senif, Charles G., Rome, N. Y. Wall box and bracket. 2,644,600, July 7.
Seniff, Russell W.: *See*—
Lasky, Wayne E., and Seniff.
Senior, Kenneth W., Louisville, Ky. Shower nozzle. 2,636,779, Apr. 28.
Senk, Simon, Mullen, Nebr. Clothes compartment for automobiles. 2,653,741, Sept. 29.
Senn, Arthur L., Jr. *See*—
Senn, Arthur L., Gould, Evensen, and Senn.
Senn, Arthur L., and C. D. Gould, Seattle, C. Evensen, Sebold, and A. L. Senn, Jr., assignors to Colby Steel & Manufacturing, Inc., Seattle, Wash. Crane construction. 2,627,984, Feb. 10.
Senn, Jurg A., assignor to Perfex Corporation, Milwaukee, Wis. Temperature responsive switch. 2,632,825, Mar. 24.
Senne, Edgar P., Rockville Centre, N. Y. Roller mounted vacuum cleaner for propulsion by flexible hose. 2,632,524, Mar. 24.
Senne, Edgar P., Rockville Centre, N. Y. Filter replacement mechanism for vacuum cleaners. 2,646,855, July 28.
Senné, Edgar P., Rockville Centre, N. Y. Vacuum cleaner mechanism responsive to thermal effects of filter bag filling. 2,625,239, Jan. 13.
Sennet, Morgan B., assignor to De Laval Steam Turbine Company, Trenton, N. J. Screw pump or motor. 2,640,430, June 2.
Sennholtz, Charles E., Chicago, Ill. Chain link. 2,650,470, Sept. 1.
Sennholtz, Charles E., Chicago, Ill. Rotary impact hammer for pulverizers. 2,663,505, Dec. 22.
Sens, William H., Hartford, assignor to United A Corporation, East Hartford, Conn. Locking for split-compressor type turbopower plants. 2,6 July 14.
Sensel, Eugene E.: *See*—
Beck, Roland A., and Sensel.
Sensel, Eugene E., Beacon, assignor to The Texa pany, New York, N. Y. Catalytic synthesis of carbons and oxygenated organic compounds. 2,6 Sept. 8.
Sensenbaugh, Andrew, Elkhart, Ind. Hydraulic t 2,625,278, Jan. 13.
Sensenbaugh, Andrew, Elkhart, Ind. Elevating 2,625,443, Jan. 13.
Sensiper, Samuel, Cambridge, Mass., assignor Sperry Corporation, Great Neck, N. Y. Dire coupler. 2,641,648, June 9.
Sentel, Clara A.: *See*—
Brenner, Abner, Burkhead, and Sentel.
Seppmann, Alfred B., Mankato, Minn. Valve co brake fluid accumulator for master cylinders. 2, May 12.
Seppmann, Alfred B., Mankato, Minn. Connect spreader. 2,647,723, Aug. 4.
Seranne, Henri: *See*—
Gérard, Paul, and Séranne.
Gerard, Paul, and Seranne.
Serge Elevator Co., Inc., assignee: *See*—
Mignocchi, Serge.
Seright, Carl G., Trenton, N. J., assignor to Ra poration of America. Image registration in co vision systems or the like. 2,654,854, Oct. 6.
Serley Co., assignee: *See*—
Serley, Olaf R., and Mortensen.
Serley, Olaf R., and R. N. Mortensen, assignors t Co., Minneapolis, Minn. Removable double hu dow sash structure. 2,662,255, Dec. 15.
Serner, Herbert E., Oakland, N. J. Mixing 2,626,135, Jan. 20.
Serniuk, George E.: *See*—
Welch, Lester M., and Serniuk.
Serniuk, George E., Roselle, N. J., assignor to Stan Development Company. Copolymerization of and aromatics. 2,624,726, Jan. 6.
Serpas, Ralph J., Minneapolis, Minn. Pulp beater tegrator. 2,663,228, Dec. 22.
Serra, Vinto, Milan, Italy. Apparatus for cor cinematographic projection. 2,660,088, Nov. 24
Serrell, Ann E., West Hempstead, N. Y. Playpen dren. 2,650,375, Sept. 1.
Serrell, Robert, Princeton, N. J., assignor to Ra poration of America. Transitory memory 2,639,859, May 26.
Serrell, Robert, Princeton, and E. A. Goldberg, P Junction, N. J., assignors to Radio Corpora America. Polynomial equation solver. 2, Jan. 20.
Serres, Jean P. J., Paris, France. Agglomerating of wood and the product thereof. 2,638,421, Ma
Serrick Corporation, assignee: *See*—
Lee, Edward F.
Serrurier, Mark U., assignee: *See*—
Rivas, Carlos E.
Seruto, Joseph, Meriden, Conn., assignor to A Cyanamid Company, New York, N. Y. Azo de of carbostyril. 2,640,825, June 2.
Servais, Philip C.: *See*—
Hunter, Melvin J., and Servais.
Serval Slide Fasteners, Inc., assignee: *See*—
Voity, Maurice.
Servel, Inc., assignee: *See*—
Bery, Norton E.
Daley, Bernard A.
Galloway, Glenn O.
Hadley, Orval P.
Miller, Charles A., Dreier, and Gilchrist.
Pfingston, Homer E.
Ploeger, Clyde E.
Rohmann, Henry F.
Shagaloff, Harry C., and Cooper.
Simpson, Walter M.
Whitlow, Eugene P.
Service Recorder Company, The, assignee: *See*— Cool, Kenneth A., Hush, Ernst, and Bench.
Service, Robert J., Stone Ridge, N. Y. Ventilat protector. 2,626,483, Jan. 27.
Service Wood Heel Co., The, assignee: *See*— Constantine, George R., and Ball.
Servicised Products Corporation, assignee: *See*— Fischer, Albert C., and Walker.
Servilla, William J., Bridgeport, Conn. Wave h 2,633,591, Apr. 7.
Servilla, William J., Bridgeport, Conn. Hai comb. 2,636,498, Apr. 28.
Servis Equipment Company, assignee: *See*— Collins, Johnnie C.
Servo Corporation of America, assignee: *See*— Bailey, Samuel J.
Servomechanisms, Inc., assignee: *See*— Dale, Joseph B. Feinstein, Samuel.
Sesera, Michael, West Orange, N. J. Automat finare and marker buoy. 2,639,106, May 19.

Sesini, Enrico, and M. Pierazzuoli, assignors to Pirelli Societa per Azioni, Milan, Italy. Stop joint for oil-filled cables. 2,630,260, Aug. 25.

Sessions Clock Company, The, assignee: *See* Bradley, Caton.

Sessions, Donald W., Lansing, Mich. Continuous progressive cylinder washer. 2,645,914, July 21.

Setka, Raymond P.: *See* Cantalupo, Francis J., De Craene, Schmidt, Yant, and Setka.

Setliff, Edgar L., Killarney, W. Va. Railway car rerailing mechanism. 2,627,235, Feb. 3.

Setright Registers Limited, assignee: *See* Adshead, Charles W.

Setterlund, Louis O., assignee: *See* MacKenzie, Alexander, Jr.

Settles, James C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway truck damping device. 2,624,291, Jan. 6.

Settles, James C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Brake arrangement for inboard railway trucks. 2,633,936, Apr. 7.

Settles, James C., and L. E. Furniss, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Railway truck shock absorber mounting. 2,642,008, June 16.

Seubold, Frank H., Jr., Berkeley, assignor to Shell Development Company, Emeryville, Calif. Production of aromatic hydroperoxides. 2,633,476, Mar. 31.

Severance, Harley L., Madison, Wis. Combination water and room heater. 2,658,502, Nov. 10.

Severin, Gordon H., Oklahoma City, Okla. Folding towel bar. 2,642,193, June 16.

Severns, Joe D.: *See* Riddle, Lester P., and Severns.

Severs, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric vibration pick-up. 2,661,622, Dec. 8.

Severson, Ole C., Derby, assignor to The Viking Tool Company, Shelton, Conn. Toolholder. 2,659,963, Nov. 24.

Sevison, Luther E., Toledo, Ohio. Voltage regulator and current control device for automotive vehicles. 2,644,869, July 7.

Seward, Edgar C., Alexandria, Va. Material handling mechanism. 2,627,959, Feb. 10.

Seward, John L., Long Beach, Calif. Air gun. 2,633,838, Apr. 7.

Seward, William, assignee: *See* Dorr, James F.

Sewelin, Ernest R., Waterloo, Ind., assignor to International Harvester Company. Cab mounting. 2,639,186, May 19.

Sewell, Ben W.: *See* Ogorzaly, Henry J., and Sewell.

Sewell, Ben W., Tulsa, Okla., assignor to Standard Oil Development Company. Seismograph cable handler. 2,630,618 Mar. 10.

Sewell, Duane C., Concord, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic flux direction determining apparatus. 2,644,922, July 7.

Sewerage Commission of the City of Milwaukee, assignee: *See* Miner, Carl S., Jr., and Wolnak.

Sexton, Arthur R., and E. C. Britton, assignors to The Dow Chemical Company, Midland, Mich. Production of arylacetaldehydes. 2,628,255, Feb. 10.

Sexton, August H.: *See* Wollard, Joseph C., and Sexton.

Sexton, Everett P., East McKeesport, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake apparatus. 2,661,246, Dec. 1.

Seyb, Leslie P., Painesville, and C. A. Neros, Willoughby, assignors to Diamond Alkali Company, Cleveland, Ohio. Flameproofing method and product. 2,640,000, May 26.

Seybert, Fred S.: *See* McFerren, Bernard T., and Seybert.

Seybold, Frederick W., Westfield, N. J. Rotary, multiple turbine hydraulic coupling. 2,627,723, Feb. 10.

Seybold, Frederick W., Westfield, N. J. Rotary, multiple turbine hydraulic coupling. 2,627,724, Feb. 10.

Seybold, Frederick W., Westfield, N. J. Rotary, turbine-type fluid coupling. 2,658,346, Nov. 10.

Seybold, Frederick W., Westfield, N. J., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. Re. 23,630, Mar. 10.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Guillotine knife-automatic electrical back gauge. 2,628,680, Feb. 17.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Guillotine knife hydraulic clamp. 2,638,166, May 12.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Drive mechanism for guillotine knife bars. 2,649,910, Aug. 25.

Seybold, Joseph F.: *See* Zarobsky, Charles A., and Seybold.

Seyferth, Harold N., East Detroit, assignor to Ex-Cell-O Corporation, Detroit, Mich. Abrading machine. 2,656,651, Oct. 27.

Seyffarth, Richard, Long Island City, N. Y. Hair curler and key. 2,652,063, Sept. 15.

Seyffert, Marion B.: *See* Norsworthy, Arthur C., Meidinger, Mayo, and Seyffert.

Seymour, Clark E., Palestine, Ill. Gun hone. 2,657,507, Nov. 3.

Seymour, Elizabeth W., Canton, Ohio. Clothes hamper. 2,638,399, May 12.

Seymour, George W., Cumberland, Md., and V. S. Salvin, Summit, N. J., assignors to Celanese Corporation of America. 1-amino-2-hydroxyalkyl mercapto-4-hydroxy anthraquinone dyestuffs. 2,640,062, May 26.

Seymour, George W., Maplewod, and V. S. Salvin, Irvington, N. J., assignors to Celanese Corporation of America, New York, N. Y. Preparation of 1-amino-2-alkyl-mercapto-4-hydroxy-anthraquinones. 2,640,061, May 26.

Seymour, Paul M., Marlboro, Mass. Folding table and bench. 2,642,925, June 23.

Seymour, Raymond B., Allentown, Pa., assignor to Monsanto Chemical Company, St. Louis, Mo. Water-soluble heteropolymers from styrene, maleic anhydride and a cross-linking reactant. 2,647,886, Aug. 4.

Seymour, Raymond B., Allentown, assignor to The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Structure having bonded thereto a corrosion resistant surface. 2,653,118, Sept. 22.

Seymour, Raymond B., Allentown, and W. R. Pascoe, Reading, assignors to The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Making pipe joints. 2,661,500, Dec. 8.

Seymour, Raymond B., Allentown, and W. R. Pascoe, Reading, assignors to The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Pipe jointing composition. 2,662,019, Dec. 8.

Seymour, Raymond R., Mertztown, Pa., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Isopropenylbiphenyl. 2,634,302, Apr. 7.

Seymour, Wilfred E., Saunderstown, assignor of one-half to A. O. Coates, Providence, R. I. Garden cutting tool. 2,635,336, Apr. 21.

Sgriccia, Mario T., assignor to Syntron Company, Homer City, Pa. Feeder bowl. 2,654,465, Oct. 6.

Shaak, George S., Avon, Pa. Machine for inking the edges of soles and heels of shoes. 2,638,869, May 19.

Shaak, George S., Lebanon, Pa. Machine for inking the edges of shoe soles and heels. 2,643,635, June 30.

Shaak, Nathan N.: *See* Shaak, William E. and N. N.

Shaak, William E., New Orleans, and N. N. Shaak, Metairie, La. Control system for cloth laying machines. 2,659,597, Nov. 17.

Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for elevating granular material. 2,662,796, Dec. 15.

Shabeck, John C. L., Jr., Waltham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical switch. 2,661,408, Dec. 1.

Shacikoski, Anthony, Avonmore, Pa. Slack adjuster for conveyers. 2,628,707, Feb. 17.

Shadburn, Paul L., assignee: *See* Hayes, Dale D.

Shaddox, Robert H., Corpus Christi, Tex. Automatic friction type clutch. 2,660,280, Nov. 24.

Shadrick, Richard H., Minneapolis, Minn., assignor, by mesne assignments, to R. and P. Hacking and J. J. Panucci. Lathe control mechanism. 2,642,649, June 23.

Shadwick, William D., assignor to Omaha Standard Inc., Council Bluffs, Iowa. Hydraulic hoist mechanism for dump vehicles. 2,635,004, Apr. 14.

Shaeffer, David W., and F. A. Cowell, St. Louis, Mo., assignors to Phillips Petroleum Company. Gas distribution-system pressure control. 2,631,931, Mar. 17.

Shaeffer, Norbert, Los Angeles, Calif., assignor, by mesne assignments, to Cutter Corporation. Hair trimmer. 2,636,261, Apr. 28.

Shafer, Donald V.: *See* Ince, Daniel B., Jr., and Shafer.

Shafer, Homer J., assignor to The Shafer Valve Co., Mansfield, Ohio. Valve operating mechanism. 2,630,829, Mar. 10.

Shafer, Homer J., assignor to The Shafer Valve Co., Mansfield, Ohio. Pressure fluid actuated valve operating mechanism. 2,652,033, Sept. 15.

Shafer, Orville B., Owego, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,624,459, Jan. 6.

Shafer, Paul W., Niagara Falls, and G. H. Wagner, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alkyl silicon compounds. 2,660,597, Nov. 24.

Shafer, Russell E., J. E. and V. Cary, Opelousas, La., assignors to International Harvester Company. Sugar cane harvester and loader. 2,648,943, Aug. 18.

Shafer Valve Co., The, assignee: *See* Shafer, Homer J.

Shafer, Wayne A., Jr., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,655,673, Oct. 20.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Pressure fluid actuated tool with improved valve actuating means. 2,627,248, Feb. 3.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Pressure fluid operated tool with pressure fluid control feed. 2,657,595, Nov. 3.

Shaff, Ernest H., Hamilton, Ind., assignor to Keller Tool Company, Grand Haven, Mich. Screw feed and drive mechanism. 2,657,721, Nov. 3.

Shaff, Ernest H., Hamilton, Ind., assignor to Keller Tool Company, Grand Haven, Mich. Expanding bit screw driver. 2,657,724, Nov. 3.

Shaffer, Bernard M.: *See* Epstein, Albert K., and Shaffer.

Shaffer, Clifford A.: *See* Chronic, Clarence C., and Shaffer.

Shaffer, Ivan H., Cleveland, Ohio. Trailer steering mechanism. 2,631,043, Mar. 10.

Shaffer, John E., Brandon, Fla. Home rechargeable liquid wax insecticide and fire-fighting bomb. 2,630,942, Mar. 10.

Shaffer, John E., Brandon, Fla. Sliding box cover. 2,663,457, Dec. 22.

Shaffer, Luz E., assignee: *See* Shaffer, Stephen R.

Shaffer, Stephen R., assignor to L. E. Shaffer, Fort Worth, Tex. Thermostatically heated limit switch. 2,632,083, Mar. 17.

Shaffer, Walter M., assignor to Towmotor Corporation, Cleveland, Ohio. Mechanism for controlling the stability of material-handling machines. 2,659,505, Nov. 17.

Shagaloff, Harry C., and P. A. Cooper, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Control for absorption refrigeration systems. 2,654,229, Oct. 6.

Shain, David L., Harrisburg, Ill. Outdoors coin depository. 2,661,149, Dec. 1.

Shaines, Alfred: *See* Cording, James, Jr., and Shaines.

Shaklee, Forrest C., Sr., assignee: *See* Burch, Marble E.

Shalda, Louise T., Los Angeles, Calif. Garment construction. 2,628,359, Feb. 17.

Shaler, Saul, Jackson Heights, N. Y. Making pinking shears cutters. 2,636,402, Apr. 28.

Shaler, Saul, Jackson Heights, N. Y. Spirit level and making the same. 2,646,628, July 28.

Shaler, Saul, Jackson Heights, N. Y. Wood scraper. 2,660,785, Dec. 1.

Shallcross, Arthur F., Rockford, Ill. Pivoted hand tool for bending heavy wires. 2,629,275, Feb. 24.

Shallcross Controls, Inc., assignee: *See* Puerner, Erving A.

Shallcross Manufacturing Company, assignee: *See* Puerner, Erving A. Wakefield, Richard E. B.

Shamah, Israel, New York, N. Y., assignor to Ismah Corporation of New York. Mercury or liquid contact switch. 2,642,512, June 16.

Shamah, Israel, New York, N. Y., assignor to Ismah Corporation of New York. Automatic mercury switch fuse. 2,644,054, June 30.

Shamel, John W., Los Angeles, Calif. Street barricade light securing means. 2,648,761, Aug. 11.

Shames, Albert A., Waban, Mass., assignor to A. H. Nelson, Lawrence, Kans., and J. F. Hassler, Jr., Beverly Hills, Calif. Multiple fluid-operated rotary gear motors with treatment between stages. 2,631,428, Mar. 17.

Shampaine, Hyman R., Clayton, Mo. Sectional top operating table with adjustment mechanism. 2,647,026, July 28.

Shanahan, Curtis M., Chagrin Falls, Ohio, assignor to Container Corporation of America, Chicago, Ill. Band-type display carton. 2,650,702, Sept. 1.

Shanahan, Richard J., Wilmette, Ill. Rack attachment for folding tables. 2,640,749, June 2.

Shanahan, Thomas J., Jr., Chicago, Ill. Jewelry cleaning device. 2,643,661, June 30.

Shand, Lloyd D., Stoneham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions and methods of coating glass and coated glass articles. 2,661,438, Dec. 1.

Shands, Frederick L., Newburgh, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Apparatus for determining boiling points. 2,639,609, May 26.

Shank, Clarence S., Saginaw, Mich., assignor of one-half to R. Critchfield. Combination ice cream carton and toy. 2,636,313, Apr. 28.

Shank, McConnell: *See* Hall, Gardner V., Shank, and Krauss.

Shank, Ray M., Goshen, Ind. Automobile door lock protector. 2,658,376, Nov. 10.

Shank, Robert F., Los Angeles, Calif., assignor to North American Aviation, Inc. Aircraft arresting gear. 2,626,768, Jan. 27.

Shanklin, Dunbar L.: *See* Cooper, Henry E., and Shanklin.

Shanklin, George B., Schnectady, N. Y., assignor to General Electric Company. Time delay means for controlling fluid pressure in electric cable systems. 2,628,995, Feb. 17.

Shanklin, John P., assignor to Collins Radio Co., Cedar Rapids, Iowa. Combination localizer and swamping antenna. 2,637,815, May 5.

Shanklin, John P., assignor to Collins Radio C... Cedar Rapids, Iowa. Dipole antenna and feed... ment therefor. 2,652,492, Sept. 15.

Shanks, Robert R., Dallas, Tex. Eyeglasses fra... detachably mounted lenses. 2,652,746, Sept.

Shanley, Connor B., Kirkwood, Mo. Composition... in sand molding. 2,661,298, Dec. 1.

Shanley, Edward S., Grand Island, and H. O. Ka... Eggertsville, assignors to Buffalo Electro-Chem... pany, Inc., Tonawanda, N. Y. Stabilized hydr... oxide and making same. 2,658,818, Nov. 10.

Shannon, Harry F., Pittsburgh, Pa., assignor t... States Steel Corporation. Method and appa... inhibiting roll pickup in continuous annealing... strip. 2,650,889, Sept. 1.

Shannon, Jack F.: *See* Luppold, George E., Jr., and Shannon.

Shannon, Jack F., Euclid, Ohio, assignor to Bail... Company. Fluid pressure control. 2,637,342

Shannon, Jack F., Euclid, Ohio, assignor to Bail... Company. Variable orifice flowmeter. ... June 2.

Shannon, Jack F., Euclid, Ohio, assignor to Bail... Company. Diaphragm type expansible cham... ator. 2,658,525, Nov. 10.

Shannon, Jean R., assignor to The Four Wheel Dr... Company, Clintonville, Wis. Apparatus for h... snow removal without windrowing. 2,651,121

Shannon, John K., Kenosha, Wis. Storage ... 2,637,758, May 5.

Shannon, John K., Kenosha, Wis. Storage bat... cover and construction. 2,637,759, May 5.

Shannon, John K., and R. R. Schmit, Kenosha, W... tery separator dispensing mechanism. 2,639,... 26.

Shannon, Richard F.: *See* Morrison, Albert R., and Shannon.

Shannon, Robert F.: *See* Coleman, Gordon A., Greene, Merriam, Mi... Shannon.

Shapcott, Walter E.: *See* Jahn, Marion C., Shapcott, and Smith.

Shape-Weil Shoulder Pad Corp., assignee: *See* Silvestri, Nicholas.

Shapiro, Augustus E., and M. Metsky, Newar... Sight reading device. 2,655,738, Oct. 20.

Shapiro, Clarence M., Chicago, Ill. Armrest and... strip device for automobile door windows. ... Mar. 31.

Shapiro, David H., Montreal, Quebec, Canada... blank box. 2,637,483, May 5.

Shapiro, Herbert: *See* Forbes, Gordon D., and Shapiro.

Shapiro, Hyman, Brooklyn, N. Y. Safety fuse ... ter plug for electrical appliances. 2,636,097, A...

Shapiro, Hymin: *See* Beste, George W., Tanner, and Shapiro.

Shapiro, Hymin, Detroit, and E. G. De Witt, ... Mich., assignors to Ethyl Corporation, New Yo... Making tetraethyl lead. 2,635,106, Apr. 14.

Shapiro, Isadore, Chicago, Ill., assignor, by mesn... ments, to A. R. Hyde & Sons Company. Tr... 2,660,813, Dec. 1.

Shapiro, Justin J., Hyattsville, assignor to Ame... strument Company, Inc., Silver Spring, Md. ... photometer. 2,647,436, Aug. 4.

Shapiro, Mitchell, Pittsfield, Mass. Viewer for ... 2,640,388, June 2.

Shapiro, William J., Brooklyn, N. Y. Toy bomb ... airplane. 2,634,127, Apr. 7.

Shapiro, William J., Brooklyn, N. Y. Toy gl... launching platform. 2,644,271, July 7.

Shapiro, Zalman M., Pittsburgh, Pa., assignor, ... assignments, to the United States of Americ... resented by the United States Atomic Ene... mission. Apparatus for attaching filaments ... trodes in machines for coating with meta... 2,637,297, May 5.

Shapiro, Zalman M., Pittsburgh, Pa., assignor, ... assignments, to the United States of Americ... resented by the United States Atomic Ene... mission. Apparatus for attaching filaments ... trodes in machines for coating with meta... 2,637,298, May 5.

Shapleigh, James H., assignor to Hercules Pow... pany, Wilmington, Del. Decomposition of ... hons. 2,628,890, Feb. 17.

Shapleigh, James H., assignor to Hercules Pow... pany, Wilmington, Del. Catalytic decompositi... drocarbons. 2,639,223, May 19.

Shauter, Robert D., Corry, Pa., assignor, ... assignments, to The Murray Corporation of ... Clothes drier. 2,648,142, Aug. 11.

Sharaf, Nathan, Brookline, Mass. Coffee ... 2,630,061, Mar. 3.

Sharatz, Marguerite T.: *See* Null, Leroy S., and Sharatz.

Shardlow, Lawrence R., North Arlington, N. J., ... to Radio Corporation of America. Induction ... of recording styli. 2,628,104, Feb. 10.

Share, Barnett, Jamaica Estates, N. Y. Well ... struction. 2,640,545, June 2.

Sharf, John M., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for fabricating sheet materials. 2,647,553, Aug. 4.

Sharkey, Arthur J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Treatment of electric lamp envelopes. 2,637,830, May 5.

Sharlip, Edgar Y., Philadelphia, and A. P. Dunbrack, Springfield, Pa., assignors to The Dentists' Supply Company of New York, New York, N. Y. Automatic mold cleaning machine. 2,654,911, Oct. 13.

Sharman, John C., Birmingham, England, assignor to Garringtons Limited. Longitudinal delivered rotary impact tool. 2,638,807, May 19.

Sharon Steel Corporation, assignee: *See*—
McFerren, Bernard T., and Seybert.

Sharp, Allen W., assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Sectional scalding tank for fowl. 2,649,615, Aug. 25.

Sharp, Campbell K., assignor to Sharvania Oil & Grease Corp., Memphis, Tenn. Lubricant distributor and economizer. 2,657,764, Nov. 3.

Sharp, Charles L.: *See*—
Pine, Cecil C., and Sharp.

Sharp, Chester E., Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War. Automatic frequency control for receiver-transmitter. 2,644,077, June 30.

Sharp & Dohme, Incorporated, assignee: *See*—
Schultz, Everett M.
Sprague, James M., and Land.
Wyatt, William K., Jr.

Sharp, Ewing L., Beverly Hills, Calif. Container and spool for leader lines and the like. 2,664,194, Dec. 29.

Sharp, Frank A., Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill. Magnetic bearing suspension for electric measuring instruments. 2,651,550, Sept. 8.

Sharp, Fred L., and C. L. Levtwyler, Austin, Tex. Adjustable collar stay. 2,659,892, Nov. 24.

Sharp, John C., Glen Ellyn, Ill., assignor to General Electric Company. Combined washing machine and spin tub with one-way fluid drive. 2,648,212, Aug. 11.

Sharp, John R., assignee: *See*—
Arnot, Alfred E. R.

Sharp, Olen D., Evansville, Ind. Protector for milk shake mixers. 2,662,754, Dec. 15.

Sharp, Paul F.: *See*—
Kempf, Clayton A., Neidlinger, Stewart, and Sharp.
Monk, John C., and Sharp.

Sharp, Vola, assignor to G. L. Steck, Dayton, Ohio. Nut and deformable holder. 2,649,883, Aug. 25.

Sharp, William, Kings Norton, Birmingham, England. Electric switch or switch-fuse unit. 2,635,151, Apr. 14.

Sharpe, Arthur H., Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Totalizer function selection and symbol printing mechanism. 2,643,818, June 30.

Sharpe, Arthur H., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Adjustable paper stop for business machines. 2,647,610, Aug. 4.

Sharpe, Edward W., assignee: *See*—
Diamond, William E.

Sharples Chemicals Inc., assignee: *See*—
Davidson, John B.
Massengale, John T.
Olin, John F.
Olin, John V.
Tischler, Nathaniel.
Tischler, Nathaniel, and Bell.

Sharples Corporation, The, assignee: *See*—
Ayres, Arthur U.
Collier, Donald W.
Condell, Raymond H.
Davis, Walter C., and Bath.
Fitzsimmons, Harold C.
Payne, Robert E.
Smith, Frederick H.

Sharps, George J., assignor to P & K Incorporated, Momence, Ill. Fish lure. 2,651,133, Sept. 8.

Sharrock, William, Beverly, Mass. Ladder construction. 2,656,087, Oct. 20.

Sharvania Oil & Grease Corp., assignee: *See*—
Sharp, Campbell K.

Shater, Edward P., Union City, N. J. Swinging sash with a weatherproofing latch. 2,648,106, Aug. 11.

Shatkin, Aaron, assignee: *See*—
Shatkin, Sidney.

Shatkin, Sidney, assignor to A. Shatkin, Long Branch, N. J. Hollow ware construction. 2,646,954, July 28.

Shatto, David L., Riverside, assignor to California Spray-Chemical Corporation, Richmond, Calif. Tetraethyl pyrophosphate insecticide. 2,640,800, June 2.

Shave, Ralph E. J., assignor to J. Stone & Company Limited, London, England. Indicator for eutectic coolers. 2,642,480, June 16.

Shaver, Edgar G., Marianna, Ark. Mounting means for cotton choppers. 2,637,154, May 5.

Shaver, James H.: *See*—
Poort, Henry H., and Shaver.

Shaver, Richard C.: *See*—
MacMullen, Clinton W., Shaver, and Titus.

Shaw, Albert E., and R. J. Moon, Chicago, Ill., assignors, by mesne assignments, to L. Bernat, doing business as Physics Research Associates. Device for converting motion into electrical energy. 2,640,170, May 26.

Shaw, Bernard, Mayfield Heights, Ohio, assignor to General Electric Company. Apparatus for drawing vitreous tubes and rods. 2,653,418, Sept. 29.

Shaw, Burton E.: *See*—
Giuffrida, Philip, and Shaw.

Shaw, Burton E., East Boxford, assignor to Photoswitch, Incorporated, Cambridge, Mass. Photocell mounting device. 2,631,247, Mar. 10.

Shaw, Burton E., East Boxford, and P. Giuffrida, Lawrence, assignors to Combustion Control Corporation, Cambridge, Mass. Timing device. 2,624,812, Jan. 6.

Shaw, Clifford: *See*—
Emblem, Harold G., Shaw, and Langrish-Smith.

Shaw, Ernest C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Attrition mill. 2,626,757, Jan. 27.

Shaw, George E., Neillsville, Wis. Forced draft vacuum stack for milk driers. 2,644,391, July 7.

Shaw, George E., assignor of one-half to A. A. Morgan, Neillsville, Wis. Electric test bottle bath. 2,653,214, Sept. 22.

Shaw, George E., Toronto, Ontario, assignor to A. V. Roe Canada Limited, Peel County, Ontario, Canada. Temperature control of air supply systems. 2,654,580, Oct. 6.

Shaw, Gilbert, Middlebury, Vt. Artificial filament. 2,637,893, May 12.

Shaw, Harry, A. Thompson, and T. I. J. Toler, Runcorn, England, assignors to Imperial Chemical Industries Limited. Mercury cathode electrolytic cell. 2,649,411, Aug. 18.

Shaw, Hubert K., Boston, Mass. Buoyant, regulated-temperature weather-suit. 2,647,507, Aug. 4.

Shaw, Hubert R., Drexel Hill, Pa., and M. J. Obert, North Merchantville, N. J., assignors to Radio Corporation of America. Cathode-ray centering. 2,646,522, July 21.

Shaw, James M., and L. I. Faus, assignors to H. Rosenthal, Chicago, Ill. Automatic paper-cutting machine. 2,629,440, Feb. 24.

Shaw, James W., assignor to Stoddart Aircraft Radio Company, Los Angeles, Calif. Adjustable coaxial attenuator assembly. 2,643,294, June 23.

Shaw, Joe C.: *See*—
Stahn, James A., and Shaw.

Shaw, Joseph A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Regeneration of spent pickle liquor and recovery of ferrous sulfate monohydrate. 2,662,812, Dec. 15.

Shaw, Paul E.: *See*—
Staszak, Walter F., and Shaw.

Shaw, Paul N., Shaker Heights, Ohio. Safety device for presses. 2,642,755, June 23.

Shaw, Philip J., Louisburg, N. C., assignor to Ford Metal Moulding Co., North Long Island City, N. Y. Molding structure. 2,630,579, Mar. 10.

Shaw, Rinda, Chicago, Ill. Dough cutter. 2,649,657, Aug. 25.

Shaw, Robert E., Marblehead, and S. C. Peek, Jr., assignors to Sylvania Electric Products Inc., Salem, Mass. Oven construction. 2,637,754, May 5.

Shaw, Robert W., London, Ontario, Canada. Sole of a shoe. 2,631,387, Mar. 17.

Shaw, Roy A., San Bernardino, Calif. Side dressing attachment. 2,626,579, Jan. 27.

Shaw, Thomas, Cranston, R. I., assignor to Stackbin Corporation. Stack of racks of different sizes and adapter therefor. 2,635,762, Apr. 21.

Shaw, Thomas R.: *See*—
Hammond, Dale V., Shaw, and Miller.

Shaw-Walker Company, The, assignee: *See*—
Burdick, John S.
Page, John H.
Straus, Lois K.

Shaw, Willard C.: *See*—
Burge, James S., Foust, Shaw, Rider, and McKee.
Quear, Eugene C., Shaw, and Edwards.

Shawfrank, Robert W., Chicago, Ill., assignor to The Ranland Corporation. Cathode-ray tube electrode. 2,627,049, Jan. 27.

Shawinigan Chemicals Limited, assignee: *See*—
Germain, Leo M.

Shawinigan Resins Corporation, assignee: *See*—
Crozier, Robert N., and Wilson.
Wilson, Wilfred K.

Shawmut Engineering Company, assignee: *See*—
Bixby, Walter.

Shawnee Industries, Inc., assignee: *See*—
Simblest, Allen L.

Shea, Della F., Los Angeles, Calif. Collapsible bookstand. 2,648,155, Aug. 11.

Shea, John E., Fairhaven, Va. Contractometer. 2,634,605, Apr. 14.

Shea, Lindsey W., and M. J. Osborne, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Tote box stack construction. 2,652,174, Sept. 15.

Shea, Richard F., Syracuse, N. Y., assignor to General Electric Company. Recording system. 2,635,032, Apr. 14.

Sheaffer, Miri R., West Frankfort, Ill. Hanger shell puller. 2,662,276, Dec. 15.

Sheaffer, W. A., Pen Company, assignee: *See*—
Knobel, Max.
Segre, Mario.

Sheahan, Robert E., Chagrin Falls, Ohio, assignor to General Electric Company. Bag support and motor shield for suction cleaners. 2,652,902, Sept. 22.

Sheahan, Robert E., Chagrin Falls, Ohio, assignor to General Electric Company. Motor mount and seal for suction cleaners. 2,656,097, Oct. 20.

Sheak, Dorothy B., administratrix: *See*—
Sheak, Elton F.

Sheak, Elton F., deceased, North Lawrence, Ohio; D. B. Sheak, administratrix. Pipe puller. 2,628,820, Feb. 17.

Shealy, James W., assignee: *See*—
Glaze, Paul E.

Sheard, Samuel T., Sturbridge, Mass., and L. F. Rowe, North Woodstock, Conn., assignors to American Optical Company, Southbridge, Mass. Forming a multifocal lens. 2,640,299, June 2.

Shearer, Douglas G.: *See*—
Brockway, William W., and Shearer.

Shearer, Howard E., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Liquid pick-up and transfer means. 2,646,612, July 28.

Shearer, Newton H.: *See*—
Coover, Harry W., Jr., Dickey, and Shearer.

Sheckels, Glenn D., Bozeman, Mont., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Motor control system. 2,625,673, Jan. 13.

Sheetman, Arthur, Jamaica, N. Y. Door reinforcement means. 2,627,633, Feb. 10.

Sheehan, Patrick J., Bellwood, assignor to Super Manufacturing Corp., Chicago, Ill. Air pump adapter for internal-combustion engines. 2,634,089, Apr. 7.

Sheehan, Richard S.: *See*—
Nelson, Manley R., and Sheehan.

Sheehan, William M.: *See*—
Travilla, James C., Jr., and Sheehan.

Sheehan, William M., Philadelphia, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Motor crane underframe. 2,653,829, Sept. 29.

Sheehan, William M., Philadelphia, Pa., and F. K. Mitchell, Dobbs Ferry, N. Y.; said Sheehan assignor to General Steel Castings Corporation, Granite City, Ill. Railway gondola car structure. 2,648,294, Aug. 11.

Sheen, Robert T., Wyndmoor, assignor to Milton Roy Company, Chestnut Hill, Pa. Automatic titration system. 2,627,453, Feb. 3.

Sheen, Robert T., Wyndmoor, Pa., R. B. Saalfrank, Gulfport, Fla., and J. W. Welker, Jenkintown, assignors to Milton Roy Company, Chestnut Hill, Pa. Constant delivery pump. 2,654,326, Oct. 6.

Sheer, Charles, New York, N. Y., assignor to United States of America as represented by the United States Atomic Energy Commission. Ultra-wide band amplifier tube. 2,647,175, July 28.

Sheer, Charles, New York, N. Y. Arterial pulse wave velocity meter. 2,658,505, Nov. 10.

Sheets, Jack H., Verona, N. J., assignor to Curtiss-Wright Corporation. Propeller deicing mechanism. 2,638,295, May 12.

Sheffer, Andrew D., Brighton, Mich. Golf instruction apparatus. 2,655,378, Oct. 13.

Sheffer, Harry, and J. C. Hyde, Ottawa, Ontario, Canada, and H. J. Hadow, Stratford Sub Castle, near Salisbury, England, assignors to Her Majesty the Queen in the right of Canada as represented by the Minister of National Defense, Ottawa, Ontario, Canada. Differential refractometer. 2,630,042, Mar. 3

Sheffield Corporation, The, assignee: *See*—
Adkins, Earl C.
Aller, Willis F.
Aller, Willis F., and Page.
Laemmel, Charles H.
Polk, Louis F.

Sheffield Instrument Company, assignee: *See*—
Cox, Thomas O., Rankin, and Trott.

Shelburne, Clyde D., assignee: *See*—
Hoke, Richard P., and Brown.

Shelburne, Clyde D., Shelburn, Ind. Fishing reel. 2,649,257, Aug. 18.

Shelburne, Clyde D., Shelburn, Ind. Fishing reel. 2,649,258, Aug. 18.

Shelby, Donald E., assignor of fifty per cent to K. W. Poling, Flint, Mich. Folding trailer drum rack. 2,664,298, Dec. 29.

Shelby, Robert E., Teaneck, N. J., assignor to Radio Corporation of America. Radio audience counting system. 2,636,671, Apr. 28.

Sheld, Clarence A.: *See*—
Walter, George E., Hornstein, and Sheld.

Sheldon, E. H., & Co., assignee: *See*—
Morrow, Harry S.

Sheldon, Fred R.: *See*—
McEwen, Robert L., Sheldon, and Schroeder.

Sheldon, Louis, assignee: *See*—
Gordon, Louis J., and Sheldon.

Sheldon, Luther M., Edgewood, R. I., assignor to Monowatt, Inc. Wire connector for range receptacles. 2,659,877, Nov. 17.

Sheldon, Malcolm H., deceased, by M. V. Sheldon, administratrix, Athens, Pa. Mechanical interlock. 2,642,753, June 23.

Sheldon, Mildred V., administratrix: *See*—
Sheldon, Malcolm H.

Sheldon, Werner H., New York, N. Y. Cabinet ing crib. 2,640,203, June 2.

Shell Development Company, assignee: *See*—
Abrams, Stanley T., and Stross.
Adelson, David E.
Adelson, David E., Perry, and Pritzker.
Adelson, David E., and Thorpe.
Aickin, Robert G., and Munden.
Airs, Raymond S., and David.
Anderson, Alvin P.
Ballard, Seaver A.
Ballard, Seaver A., and Geyer.
Ballard, Seaver A., Morris, and Van Winkle
Ballard, Seaver A., and Whetstone.
Barton, Robert C., Bergstrom, and Plantfe
Bell, Edward R., and Vaughan.
Braithwaite, Charles H., Jr., Martin, and
Castner, Robert C., and Archibald.
Cheney, Harry A., Fairbairn, and Davis.
Crake, Wilfred S.
Dahmen, Edouard A. M. F.
Dannenberg, Hans.
Dannenberg, Hans, and Scheibli.
Deahl, Thomas J., Stross, and Taylor.
De Nie, Willem L. J.
Detling, Kenneth D., and Skei.
Dickey, Frank H.
Engel, Willem F., and Hoog.
Engel, Willem F., and Krijger.
Ewell, Robert B.
Fallgatter, Marvin B., and Hallikainen.
Fay, Charles H., and Goodell.
Fetterly, Lloyd C.
Fink, Dale F., Greger, and Alsberg.
Finch, Harry D., and Ballard.
Finch, Harry D., and Furman.
Foster, Richard A., and Laspe.
Garner, Philip J., and Miles.
Glendenning, Everett B., Wies, and Caron.
Goldsbrough, Leslie N.
Goppel, Johan M.
Goppel, Johan M., Rumscheidt, and Hackm
Hannibal, Lester S.
Harman, Denham.
Harman, Denham, and Sommer.
Harman, Denham, and Stiles.
Harman, Denham, and Winkler.
Holzman, George, and Good.
Huisman, Albert J.
Hyman, Julius, and Danish.
Hyman, Julius, and Silverman.
Illman, John C., and Sommer.
Irvine, Vanan C., and Sommer.
Johnson, Ava J.
Johnson, Ava J., and Cherniavsky.
Jones, Robert C., and Wall.
Jonker, Frits.
Kolb, Robert H.
Koome, Jacob, and de Nooijer.
Kopf, Warren J., and Westcott.
Krönig, Walter, Seeles, and Burmeister.
Lacomble, Antoine E., Hearne, and La Fra
Lidov, Rex E.
Long, Marion V., and Schneider.
Martin, Arthur E., and Eberman.
Matthews, John B., Evans, Carswell, and H
Matthews, John B., Evans, Hutton, and Cl
Matthews, John B., and Grimshaw.
Max, Nicolaas.
Mazee, Willem M., and Loois.
Mazee, Willem M., and Swart.
McKenna, Thomas G., Soloway, Lidov, and
McMillan, Frank M., and Winkler.
Medlin, William V.
Melstrom, Donald S., and Watson.
Milmore, Oswald H.
Moore, Robert J.
Moore, Robert J., and Wilson.
Morris, Rupert C., and Conklin.
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle, and Winkle
Newey, Herbert A., and Shokal.
Newschwander, Wilfrid W.
Nixon, Alan C., and Deal.
Nozaki, Kenzie.
Olney, Richard B.
Parry, Harvey L.
Parry, Harvey L., and Wiles.
Peery, Norman E.
Peterson, Walter H.
Peterson, Walter H., and Skei.
Plank, Norris.
Pompeo, Domenick J., and Otvos.
Pritzker, George G., and Adelson.
Probst, Warren H.
Raley, John H., Vaughan, and Porter.
Rigby, Richard, and White.
Rónay, Geza S., and Vinograd.
Rust, Frederick F., and Vaughan.
Sacra, Charles F.
Sax, Henry V., and Dressler.
Schiermeier, Knapel F.
Schiermeier, Knapel F., and Jones.

Shell Development Company, assignee: *See*—Continued.
Schlermeier, Knapel F., and Poltz.
Schuit, George C. A., and van Voorthuysen.
Scott, Lawrence B., Whetstone, Van Overbeek, and Blondeau.
Seubold, Frank H., Jr.
Shokal, Edward C.
Shokal, Edward C., and Devlin.
Shokal, Edward C., Newey, and Bradley.
Simpson, Warren C., and Wilson.
Smith, Curtis W.
Sommer, Harry J., Albin, and Williams.
Stewart, William B.
Stross, Fred H.
Stross, Fred H., and Abrams.
Stross, Fred H., Abrams, and Peterson.
Talley, Samuel K., and Watson.
Thomas, Samuel B., and Evans.
Toth, Stephen.
Trainer, Richard P.
Trainer, Richard P., and Border.
Treseder, Richard S.
Turner, James R.
Van Bemmel, Pieter M., and Milborn.
Van der Waals, Joan H.
Van Dijck, Willem J. D.
Van Dijck, Willem J. D., and Geyer.
Van Heiningen, Jan.
Van Winkle, John L., and Morris.
Vaughan, William E., and Harman.
Vogel, Charles B.
Wachter, Aaron, and Stillman.
Wallace, Edwin G., and Menn.
Walters, Ernest L.
Walton, Richard G.
Watson, Forrest J.
Whetstone, Richard R.
Whetstone, Richard R., and Ballard.
Wies, Calmy, Caron, and Glendenning.
Wijga, Pieter W. O.
Winkler, De Loss E., and Finch.
Woods, Harold A., and Bollinger.
Woods, Harold A., and Edgar.
Woods, Harold A., and Jones.

Shell, Ernest F., Erie, Pa., assignor to General Electric Company. Control arrangement for auxiliary compartments for refrigerators. 2,627,393, Feb. 3.

Shelley, Edwin F., New York, assignor to American Chronoscope Corporation, Mount Vernon, N. Y. Time measurement system. 2,651,022, Sept. 1.

Shelley, Jesse J., Chicago, Ill. Open fire cooking device. 2,647,454, Aug. 4.

Shelley, Thomas H., Spotswood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of novel N-(2-carboxyalkyl) succinimides. 2,657,215, Oct. 27.

Shellman, Norman C., Rye, N. Y., assignor of one-half to E. H. Yonkers, Jr., Glencoe, Ill. Dust collector. 2,643,733, June 30.

Shellman, Norman C., Wilmette, Ill. Paper storage and manifolding device. 2,664,205, Dec. 29.

Shellmar Products Corporation, assignee: *See*—
Baxter, Thomas R.
Brown, Lile H.
Comstock, Alfred E.
Cox, John W.
De Sylva, Oscar J.
Fahey, Edward W.
Fahey, Richard J.
McCleary, Jason L., and Lowey.
Plazze, Thomas E.

Shellmold & Machine Co., Inc., assignee: *See*—
Valyi, Emery I.

Shelmire, Stanley R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,658,366, Nov. 10.

Shelton, Donald C., San Diego, Calif. Milk bottle thermometer support. 2,660,060, Nov. 24.

Shelton, Harry J., Jr., Ladue, Mo., and L. D. Smiley, Pensacola, Fla., assignors to Gruendler Crusher & Pulverizer Co., St. Louis, Mo. Refining blender. 2,656,119, Oct. 20.

Shelton-Jones, Eric, London, England, assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Surface finishing of aluminum and its alloys. 2,650,156, Aug. 25.

Shelton, Orville W., assignee: *See*—
Lenz, Bernhart J.

Shelton Plane and Tool Manufacturing Company, assignee: *See*—
Lavietes, Raymond P.

Shelton, Thomas M., Glendale, Calif. Smoke ring projector. 2,628,450, Feb. 17.

Shelton, Winston L., Trenton, N. J., assignor to General Electric Company. Antisiphonage inlet system for washing machines and the like. 2,638,112, May 12.

Shelverton, Fred, Brooklyn, N. Y. Foot-powered watercraft. 2,641,217, June 9.

Sheman Tool Die and Metal Stamping Co., The, assignee: *See*—
Sherman, Harry.

Shemorry, John J., Williston, N. Dak. Auxiliary steering arm stabilizer spring. 2,650,844, Sept. 1.

Shenandoah Equipment Company, assignee: *See*—
Martin, Perry S.
Suter, Menno R.

Shenango Pottery Company, assignee: *See*—
Jordan, Jacob.

Shenigo, Michael G., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Bundling machine. 2,662,468, Dec. 15.

Shenk, Eugene R., Brooklyn, and A. Liguori, New York, N. Y., assignors to Radio Corporation of America. Protective circuits. 2,643,359, June 23.

Shenk, Robert H., assignor to American Flexible Coupling Company, Erie, Pa. Synchronizer clutch. 2,640,573, June 2.

Shenk, Wilbur J.: *See*—
Drake, Nathan L., Shenk, and Eaker.

Shenk, Wilbur J., Jr., Shaker Heights, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition of nickel. 2,644,788, July 7.

Shenk, Wilbur J., Jr., Shaker Heights, assignor to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition of nickel. 2,644,789, July 7.

Shenker, Joseph, New York, N. Y. Interfitted and interengaged nesting table. 2,626,843, Jan. 27.

Shenkman, Sidney, New York, N. Y. Hat pinch form. 2,651,045, Sept. 8.

Shepard, Berger M., Silver Spring, Md., and R. P. Sullivan, Chattanooga, Tenn. Water gun butt and apparatus. 2,631,454, Mar. 17.

Shepard, Billy R., and R. B. Crandell, Schenectady, N. Y., assignors to General Electric Company. Electronic apparatus and mounting. 2,651,007, Sept. 1.

Shepard, David H., Falls Church, assignor to Intelligent Machines Research Corporation, Arlington, Va. Apparatus for reading. 2,663,758, Dec. 22.

Shepard, Herbert C., Woodbury, N. J., assignor to Radio Corporation of America. Television camera turret lens selecting and focusing apparatus. 2,632,370, Mar. 24.

Shepard, Stanley C.: *See*—
Jacobsen, Rent B., Daly, Thomas, Wolfson, Shepard, and Green.

Shepheard, Geoffrey E.: *See*—
Stoate, Norman, Parker, and Shepheard.

Shepherd, Dean, West Allis, and H. J. Welch, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas burner formed by stacked annular members. 2,625,994, Jan. 20.

Shepherd, Irving L., Elyria, Ohio. Plastic plant label. 2,625,758, Jan. 20.

Shepherd, James C., Longview, Wash., assignor to Universal Business Forms, Inc., Folding peg board. 2,635,608, Apr. 21.

Shepherd, Judson O'D., Atlanta, Ga., assignor to American Telephone and Telegraph Company. Crossbar telephone system with marker release and lockout of defective line. 2,635,148, Apr. 14.

Shepherd, Judson O'D., Atlanta, Ga. Dictation machine. 2,654,609, Oct. 6.

Shepherd, Judson O'D., Atlanta Ga., assignor to American Telephone and Telegraph Company. Marker for allotting a link and a sender. 2,654,807, Oct. 6.

Shepherd, Ronald W.: *See*—
Meyer, Hans, and Shepherd.

Shepherd, William G., St. Paul, Minn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device of the velocity variation type. 2,641,732, June 9.

Sheppard, Allan G., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Gate valve pressure lock. 2,635,633, Apr. 21.

Sheppard, Creedy C., Bergenfield, N. J. Plural solenoid electromagnetic valve. 2,640,496 June 2.

Sheppard, Thomas W., Sandy Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Angular accelerometer. 2,656,519, Oct. 20.

Sheppard, William L., Romulus, assignor to Chrysler Corporation, Highland Park, Mich. Servo cylinder. 2,633,712, Apr. 7.

Sheppard, William L., Romulus, Mich. Portable bed and housing structure. 2,640,999, June 9.

Sherbondy, Anna L., executrix: *See*—
Sherbondy, William E.

Sherbondy, Frank Y., San Antonio, Tex. Garment form retainer. 2,641,390, June 9.

Sherbondy, William A., Shaker Heights, Ohio. Kitchen utensil. 2,634,692, Apr. 14.

Sherbondy, William A., Shaker Heights, Ohio. Dispensing device for calking material and the like. 2,634,889, Apr. 14.

Sherbondy, William A., Shaker Heights, Ohio. Cartridge filling apparatus. 2,652,961, Sept. 22.

Sherbondy, William E., deceased, by A. L. Sherbondy, executrix, Shaker Heights, Ohio. Dispensing gun with means for inserting removable containers. 2,634,888, Apr. 14.

Sherborne, John E.: *See*—
Bauer, Robert F., and Sherborne.

Sherborne, John E., Whittier, assignor to Union Oil Company of California, Los Angeles, Calif. Electrical reservoir model. 2,639,090, May 19.

Sherbrook, Victor A., assignor to Milford Shoe Co., Milford, Mass. Insole having separate attached sewing ribs. 2,651,855, Sept. 15.

Sherer, Archie, Dayton, Ohio. Utility rack. 2,636,482, Apr. 28.

Sherer, Donald L., St. Louis Park, Minn. Combined broadcast seeder and fertilizer spreader. 2,661,955, Dec. 8.

Sherer-Gillett Company, assignee: *See*—
Strang, Minor H.

Sheridan, Eleanor G., Chicago, L. L. Yaeger, Hammond, Ind., and J. Bjorksten, Chicago, Ill., assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Antistatic coating for plastics. 2,640,817, June 2.

Sheridan, Henry M., Erie, Pa., assignor to Apex Tool & Cutter Company, Shelton, Conn. Tool bit. 2,627,106, Feb. 3.

Sheridan Iron Works, The, assignee: *See*—
Hawkes, Thomas B.

Sheridan, T. W. & C. B., Company, assignee: *See*—
Hawkes, Thomas B.
Schweizer, Paul.

Sheriff, Albert H., Covington, Ky. Sine bar. 2,638,677, May 19.

Sheriff, Jack W., Oak Lawn, Ill. Antenna. 2,631,235, Mar. 10.

Sherman, Charles A., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Holddown shoe for lumber trimming and marking machines. 2,649,875, Aug. 25.

Sherman, Charles G., Mission, Kans., and G. E. Owens, Independence, Mo., assignors, by mesne assignments, to O. W. Chase, Mission, Kans. Combination fan and awning construction. 2,643,053, June 23.

Sherman, Charles A., Tacoma, Wash. Veneer patch routing and patch holding during routing mechanism. 2,643,689, June 30.

Sherman, Delmar C., Chattanooga, Tenn. Wire rope sleeve twisting device. 2,628,653, Feb. 17.

Sherman, Delmer F., New Plymouth, Idaho. Mowing machine sickle bar driving means. 2,630,670, Mar. 10.

Sherman, Donald W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welded pressed steel dual wheel. 2,653,057, Sept. 22.

Sherman, Donald W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pressed steel truck wheel. 2,660,477, Nov. 24.

Sherman, Dora F.: *See*—
Riblet, Henry J., and Sherman.

Sherman, Earl H., Oakland, Calif. Door holder. 2,629,617, Feb. 24.

Sherman, Everett L.: *See*—
Pendleton, Pyam L., and Sherman.

Sherman, Floyd A., Birmingham, assignor to Whizzer Motor Company, Pontiac, Mich. Alternating current generator. 2,655,611, Oct. 13.

Sherman, H. B., Manufacturing Company, assignee: *See*—
Stinchcomb, Loid M., and Doerr.

Sherman, Harry, Brooklyn, assignor to H. and S. Sherman, doing business as the Sherman Tool Die and Metal Stamping Co., New York, N. Y. Making andiron legs. 2,642,024, June 16.

Sherman, Harry, assignor to Ardsley Curtain Co., Inc., New York, N. Y. Curtain edge construction. 2,642,577, June 23.

Sherman, Harry, assignor to Ardsley Curtain Co., Inc., New York, N. Y. Hemmer. 2,642,827, June 23.

Sherman, Harry, Waban, M. A. Silverman, Newton Center, and H. Liberman, Belmont, Mass. Wick-type liquid fuel hand torch having wick-fed retort. 2,628,671, Feb. 17.

Sherman, Harry H., and M. A. Silverman, assignors to P. Wall Mfg. Company, Grove City, Pa. Blowtorch hood. 2,660,231, Nov. 24.

Sherman, John M., and E. W. Fisher, Minneapolis, Minn., assignors of one-third to Mid-Continent Radio-Television, Incorporated. Television apparatus. 2,658,103, Nov. 3.

Sherman-Klove Co., The, assignee: *See*—
Rueb, Theodore O.

Sherman, Marvin H., Los Angeles, Calif. Case and trunk construction. 2,626,025, Jan. 20.

Sherman, Morris, Port Washington, assignor to Preferred Utilities Manufacturing Corp., New York, N. Y. Oil burner carburetion. 2,643,708, June 30.

Sherman, Ralston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Apparatus for producing a heated gaseous medium. 2,651,514, Sept. 8.

Sherman, Ralph, Warren, Ohio. Maintenance of conductivity in electrical systems. 2,636,131, Apr. 21.

Sherman, Ralph A.: *See*—
Hatton, Willard J., and Sherman.

Sherman, Roger M.: *See*—
Wittner, Edward E., and Sherman.

Sherman, Roger M., Los Gatos, A. S. Mullgardt, Altadena, and C. E. Gray, Palo Alto, assignors to W. R. Ames Company, San Francisco, Calif. Coupling. 2,638,362, May 12.

Sherman, Shimen: *See*—
Sherman, Harry.

Sherman, Sol, New York, N. Y. Reversible necktie. 2,625,687, Jan. 20.

Sherman, Whitney D.: *See*—
Ahlmeyer, Heinz, and Sherman.

Sherr, Rubby, Santa Fe, N. Mex., assignor, by assignments, to the United States of America, represented by the Secretary of War. Radar control system. 2,639,423, May 19.

Sherr, Rubby, Santa Fe, N. Mex., assignor, by assignments, to the United States of America, represented by the Secretary of War. Moving echo detection system. 2,659,078, Nov. 10.

Sherrick, Everett B.: *See*—
Dolza, John, Burrell, Sherrick, and Schill.

Sherriff, Fred, Battle Creek, assignor to Clark Company, Buchanan, Mich. Combination rotating mechanism. 2,647,650, Aug. 4.

Sherritt Gordon Mines Limited, assignee: *See*—
Forward, Frank A.
MacKay, Robert G., and McLaughlin.

Sherry, James R. Bridgeport, assignor to Uni Corporation, East Hartford, Conn. Helicopte 2,630,985, Mar. 10.

Sherry, Peter P., and J. T. Corrigan, Walla W Combined water cooled rotary gas turbine a tion chamber. 2,662,373, Dec. 15.

Sherry, William G., Tulsa, Okla. Antijac wheel coupling. 2,652,262, Sept. 15.

Sherwen, Joseph W., Erith, assignor to The G tric Company, Limited, London, England. conveyer. 2,629,485, Feb. 24.

Sherwen, Theo, Norton Lindsey, assignor to H son Limited, Coventry, England. Hydraulic ator. 2,661,721, Dec. 8.

Sherwin, Chalmers W., Belmont, Mass., assigno assignments, to the United States of Ameri sented by the Secretary of War. Swe 2,639,402, May 19.

Sherwin, Chalmers W., Belmont, Mass., assigno assignments, to the United States of Ameri sented by the Secretary of the Navy. Con mechanism. 2,640,954, June 2.

Sherwin, Chalmers W., Belmont, Mass., assigno assignments, to the United States of Ameri sented by the Secretary of the Navy. Ref ting device. 2,655,836, Oct. 20.

Sherwin, Chalmers W., Leonia, N. J., assigno assignments, to the United States of Ameri sented by the Secretary of the Navy. Gatin plan position indicators. 2,640,984, June 2

Sherwin-Williams Company, The, assignee: *See*
Arvin, James A.
Beauchamp, David N.
Bewick, Howard L., and Brown.
Coffey, Charles A., Ryan, and Whitehill.
Farkas, Martin D., and Deich.
Grummitt, Oliver J., Blank and Marsh.
Hunn, James V.
Kuhn, Joseph M.
Sample, James H.
Smith, Richard G., and Vestling.
Sprague, Carl F.

Sherwood, Carroll P., Camden, N. J. Water process and apparatus. 2,632,733, Mar. 24.

Sherwood, Glenn L., Benton Harbor, Mich. construction for Venetian blinds and moun therefor. 2,654,426, Oct. 6.

Sherwood, Lester L., Banning, Calif. Pock 2,625,191, Jan. 13.

Sherwood, Robert C., West Hollywood, G. A. C Arcadia, A. C. Walgamott, North Redondo J. C. Urban, North Hollywood, Calif., a mesne assignments, to said Sherwood and B Accelerator brake apparatus. 2,626,026, Jan

Sherwood, Yorke, Los Angeles, Calif. Fix 2,658,201, Nov. 10.

Shewmon, Ralph K., Dayton, Ohio, assignor Motors Corporation, Detroit, Mich. Swi 2,624,814, Jan. 6.

Shield, Lansing P., New York, N. Y., assig Grand Union Company, East Paterson, N. and delivery device. 2,649,207, Aug. 18.

Shields, Albert F., Forest Hills, assignor to S gated Paper Machinery Co., Inc., Brooklyn, N feeding mechanism. 2,650,093, Aug. 25.

Shields, Charles B.: *See*—
Fallor, Charles W., and Shields.

Shields, Donald J.: *See*—
Bell, Alan, and Shields.

Shields, Gene B., assignor to Treaty Excavat tion, Greenville, Ohio. Cage for use in trenches. 2,633,713, Apr. 7.

Shields, Jack E., Mount Lebanon, assignor to ber Company, Pittsburgh, Pa. Roll 2,647,778, Aug. 4.

Shields, John T., Bedford, Ind. Shelf. 2,6 14.

Shields, Richard N., Detroit, assignor to Chry tion, Highland Park, Mich. Cog drive. Dec. 15.

Shields, Robert A.: *See*—
Ericson, George R., and Shields.

Shields, Robert A., Bloomsburg, Pa., assign ican Car and Foundry Company, New Vehicle unloader. 2,648,447, Aug. 11.

Shields, Robert A., Bloomsburg, Pa., assign ican Car and Foundry Company, New Vehicle unloader car. 2,648,448, Aug. 11.

Shields Rubber Company, assignee: *See*—
Shields, Jack E.

Shiels, Herbert H., Culver City, Calif. Fusible trip mechanism for automatic cut off valves. 2,638,106, May 12.

Shiepe, Edward M., Brooklyn, N. Y. Inductance and self-capacitance measuring device. 2,626,981, Jan. 27.

Shievers, Robert, assignor to Gloria Figure, Inc., New York, N. Y. Apparatus for inserting hair into doll heads. 2,626,619, Jan. 27.

Shiffler, William H., assignor to California Research Corporation, San Francisco, Calif. Gasification of sulfuric acid wastes. 2,644,797, July 7.

Shiley, Arthur J., Philadelphia, Pa. Squeeze type copper tube bender. 2,630,032, Mar. 3.

Shill, Alexander C., New York, N. Y. Antiskid or traction device. 2,643,697, June 30.

Shilling, William C., Arlington, and G. W. Wright, Wellesley Hills, assignors to Dewey and Almy Chemical Company, Cambridge, Mass. Solder flux life extender. 2,662,840, Dec. 15.

Shilson, Raymond A., Steep Rock Lake, Ontario, Canada. Pneumatic tool dresser. 2,631,479, Mar. 17.

Shiltong, Ellen E., New York, assignor to Annelle Manufacturing Co., Inc., Brooklyn, N. Y. Child's garment. 2,649,589, Aug. 25.

Shimkus, Anthony J.: *See*—
Cummings, James J., and Shimkus.

Shimrock, Thomas: *See*—
Gebauer, Charles L., and Shimrock.

Shine, Andrew J.: *See*—
Bordt, Frederick J., and Shine.

Shine, Thomas, Coronado, assignor to G. G. Ellinwood, San Diego, Calif. Garden hose reel. 2,642,312, June 16.

Shingledecker, Guy M., Tarentum, and G. C. Catulle, Natrona Heights, assignors to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Variable transformer. 2,646,552, July 21.

Shinkle, Seaphes D., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Protection of rubber surfaces. 2,648,613, Aug. 11.

Shinn, Guy C., Hamilton, assignor of one-half to C. T. Gautier, Hamilton County, Tex. Convertible trailer. 2,663,573, Dec. 22.

Shinoda, Daniel S., Hayward, Calif. Gardenia support. 2,641,086, June 9.

Shio, Cheng, New York, N. Y. Combined cigarette and igniting means. 2,652,060, Sept. 15.

Shipes, John A., Charlotte, N. C. Automatic wear take-up mechanism for internal expanding hydraulic brakes. 2,649,168, Aug. 18.

Shipley, Skidmore, Muncie, Ind. Forge providing bottom discharge means for clinkers, refuse, and the like. 2,631,553, Mar. 17.

Shipley, Willis E.: *See*—
Friedl, Anton J., and Shipley.

Shipp, Jan W.: *See*—
Blackman, Paul F., E. N. Blackman, and Shipp.

Shipping Room Suppliers, Inc., assignee: *See*—
Sasser, Travis M.

Shipton, Edward, Ferndown, Northwood Hills, England. Telephone apparatus. 2,653,192, Sept. 22.

Shire, William A.: *See*—
Friden, James E., and Shire.

Shire, William A., Jr., Munster, Ind., assignor to Standard Oil Company, Chicago, Ill. Hydrogen fluoride purification. 2,661,319, Dec. 1.

Shires, John M., Todmorden, and B. G. Foster, Manchester, England. Slub catcher for use on textile machinery. 2,645,839, July 21.

Shirk, John F., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston ring. 2,631,073, Mar. 10.

Shirk, John F., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston ring assembly. 2,635,022, Apr. 14.

Shirk, Robert M.: *See*—
Lassiat, Raymond C., and Shirk.

Shirk, Robert M., assignor to Houdry Process Corporation, Wilmington, Del. Insulated slip-joint device. 2,663,580, Dec. 22.

Shirk, Robert M., Lindamere, Wilmington, Del., assignor to Houdry Process Corporation, Philadelphia, Pa. Disengagement of gases from fluent solid particles. 2,643,161, June 23.

Shirley, Granville H.: *See*—
Jones, Lawrence C., and Shirley.

Shirtcraft Co., Inc., The, assignee: *See*—
Kaplan, Morris L.

Shive, Howard J., Schwenksville, assignor to Bentley-Harris Manufacturing Company, Conshohocken, Pa. Manufacturing tubular insulation. 2,647,296, Aug. 4.

Shive, Howard J., Schwenksville, assignor to Bentley-Harris Manufacturing Company, Conshohocken, Pa. Apparatus for coating tubular fabric and like narrow materials. 2,647,488, Aug. 4.

Shive, John N., North Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for and method of treating selenium rectifiers. 2,626,448, Jan. 27.

Shive, John N., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor photoelectric device. 2,641,713, June 9.

Shive, William, Austin, Tex., assignor to Research Corporation, New York, N. Y. Carboxylic ion exchange resin purification of vitamin B_{12}. 2,628,186, Feb. 10.

Shively, James L.: *See*—
Cox, Mace A., and Shively.

Shively, Roy H., Scranton, Pa. Brake adjusting apparatus. 2,650,681, Sept. 1.

Shively, Walter E.: *See*—
Palko, Andrew J., and Shively.

Shivers, Joseph C., Jr., West Chester, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Linear polyester composition. 2,647,104, July 28.

Shivers, Paul F., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Surface thermostat. 2,641,667, June 9.

Shmidl, Albert J.: *See*—
Showalter, Jere C., and Shmidl.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Ammonium sulfate production. 2,659,659, Nov. 17.

Shmukler, Albert, and H. Bronstein, Philadelphia, Pa. Articulator. 2,644,233, July 7.

Shnitzler, Meyer J., Brookline, Mass., assignor to The Gillette Company. Razor blade dispensing package. 2,624,452, Jan. 6.

Shnitzler, Meyer J., Brookline, Mass., assignor to The Gillette Company. Razor with adjustable guard. 2,661,533, Dec. 8.

Shockey, Glen D., Sante Fe County, N. Mex. Spinning top with bead chain swivel. 2,639,546, May 26.

Shockey, Newton E., Detroit, and H. W. Wilkins, Centerline, assignors to Van Dresser Specialty Corporation, Van Dyke, Mich. Mechanism for making wire reinforced fabric spring liners or the like. 2,648,842, Aug. 18.

Shockey, Richard L., El Reno, Okla. Recoil reducer and accuracy improver. 2,627,686, Feb. 10.

Shockley, William, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,654,059, Sept. 29.

Shockley, William, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bistable circuits, including transistors. 2,655,609, Oct. 13.

Shoemaker, Bernard H.: *See*—
Burney, Donald E., and Shoemaker.

Shoemaker, Dwight L., Cincinnati, Ohio. Air conditioning unit for casement windows. 2,654,233, Oct. 6.

Shoemaker, Frank M., Pittsburgh, Pa. Radio frequency display sign. 2,635,215, Apr. 14.

Shoemaker, George H., Brooklyn, N. Y., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Selenium cell and manufacturing the same. 2,629,039, Feb. 17.

Shoemaker, Henry S., Rayville, La. Cultivator. 2,632,371, Mar. 24

Shoemaker, John H.: *See*—
Dunlevy, Ralph, Frick, and Shoemaker.

Shoemaker, John H., Scappoose, Oreg. Shoe calk assembly. 2,652,638, Sept. 22.

Shoemaker, Malcolm G., Doylestown, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator defrosting apparatus. 2,631,441, Mar. 17.

Shoemaker, Malcolm G., Doylestown, assignor to Philco Corporation, Philadelphia, Pa. Air conditioning system. 2,655,793, Oct. 20.

Shoemaker, Milton J.: *See*—
Frohmader, Stanley H., and Shoemaker.

Shoemaker, Milton J., assignor to Research Products Corporation, Madison, Wis. Viscous hydrophilic composition and making the same. 2,628,205, Feb. 10.

Shoenfelt, Charles F., Tipp City, Ohio. Fishing float. 2,636,305, Apr. 28.

Shoffner, Willie M., Dayton, Ohio. Double cutting metal shears. 2,632,246, Mar. 24.

Shokal, Edward C.: *See*—
Newey, Herbert A., and Shokal.

Shokal, Edward C., Walnut Creek, assignor to Shell Development Company, Emeryville, Calif. Sulfur-containing resinous products from polyepoxides. 2,633,458, Mar. 31.

Shokal, Edward C., Walnut Creek, and P. A. Devlin, assignors to Shell Development Company, San Francisco, Calif. Allyl alcohol-styrene copolymers. 2,630,430, Mar. 3.

Shokal, Edward C., Walnut Creek, H. A. Newey, Lafayette, and T. F. Bradley, Orinda, assignors to Shell Development Company, Emeryville, Calif. Nitrogen-containing polyethers and curing glycidyl polyethers to resinous products. 2,643,239, June 23.

Shokal, Edward C., Walnut Creek, H. A. Newey, Richmond, and T. F. Bradley, Oakland, assignors to Shell Development Company, San Francisco, Calif. Forming cured glycidyl ether resinous bonds between two solid surfaces. 2,651,589, Sept. 8.

Shomber, Kerian J., Oakland, Calif., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Closure member or furniture glide. 2,628,384, Feb. 17.

Shomber, Kerian J., Oakland, Calif., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable headed fastening device. 2,640,246, June 2.

Sho-Me, Inc., assignee: *See*—
Fitzgerald, Maurice.

Shonka, Francis R., Riverside, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pocket radiation meter. 2,634,374, Apr. 7.

Shontz, Loran A., Jr.: *See*—
Sabin, Eugene R., Andrews, and Shontz.

Shontz, William H., Lewistown, Pa., assignor to American Viscose Corporation, Wilmington, Del. Grid tension stop device. 2,635,821, Apr. 21.

Shook, Alvin L., Dallas, Tex. Toothbrush case. 2,652,064, Sept. 15.

Shook, Frederic J., Grand Prairie, Tex. Gas safety valve. 2,631,603, Mar. 17.

Shook, Ross O. S., Hutchinson, Kans. Knee guard or brace. 2,637,575, May 5.

Shooter, Donald H.: *See*—
Bender, John H., and Shooter.

Shore, Harry T., executor: *See*—
Shore, Henry T.

Shore, Henry T., deceased, Savannah, Ga.; H. T. Shore, Jr., executor of said H. T. Shore. Apparatus for processing liquids to convert them into semisolid or solid form. 2,651,185, Sept. 8.

Shore, Jacob, Buffalo, N. Y., assignor to Mathieson Chemical Corporation. Miticidal dihydrazide composition. 2,663,664, Dec. 22.

Shore, Jesse J., Brownwood, Tex. Tool handle. 2,653,029, Sept. 22.

Shore, Louis L., University Heights, Ohio. Means for separating and recovering excess mercury from amalgam mix. 2,647,638, Aug. 4.

Shore, Richard B., Waterloo, Iowa. Means for detachably securing implements to tractors. 2,662,459, Dec. 15.

Shorek, Leonard J., and W. L. Best, assignors to Young Brothers Company, Detroit, Mich. Wire enameling oven. 2,648,531, Aug. 11.

Shorrock, Christopher, Preston, England. Oil burner having pneumatic secondary air control. 2,661,794, Dec. 8.

Short, Brooks H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Apparatus for testing dynamoelectric machines. 2,637,204, May 5.

Short, Brooks, H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,662,202, Dec. 8.

Short, Brooks H., Anderson, and J. W. Dyer, Pendleton, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starting apparatus with generator separately excited during starting. 2,640,163, May 26.

Short, Brooks H., and A. G. Lautzenhiser, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Intensifier. 2,640,174, May 26.

Short, Brooks H., and A. G. Lautzenhiser, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition apparatus. 2,650,581, Sept. 1.

Short, Oliver A.: *See*—
Beatty, William R., and Short.

Short, Wallace F., D. A. Peak, and T. I. Watkins, assignors to Boots Pure Drug Company Limited, Nottingham, England. Phenanthridine compounds. 2,662,082, Dec. 8.

Shortland, Arthur, Leicester, England. Yarn supplying mechanism for knitting machines. 2,636,366, Apr. 28.

Shortland, Arthur, assignor to Mellor Bromley & Company Limited, Leicester, England. Knitting machine. 2,656,691, Oct. 27.

Shortland, Arthur, assignor to Mellor Bromley & Co. Limited, Leicester, England. Knitting machine. 2,650,487, Sept. 1.

Shortland, Arthur, assignor to Mellor Bromley & Co. Limited, Leicester, England. Means for feeding yarns in knitting machines. 2,658,367, Nov. 10.

Shostak, Robert B., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Tuning control system. 2,634,373, Apr. 7.

Shottenfeld, Richard, Jamaica, assignor to Ensign Ribbon Burners, Inc., Pelham Manor, N. Y. Spark responsive safety control system for gas burners. 2,628,676, Feb. 17.

Shotton, John C., Lakewood, Ohio. Paint spray attachment device. 2,651,545, Sept. 8.

Shotton, John C., Lakewood, Ohio. Dental handpiece. 2,653,384, Sept. 29.

Showalter, Jere C., Baytown, and A. J. Shmidl, Houston, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Alkyl aryl sulfonate detergent composition. 2,634,240, Apr. 7.

Showalter, Joseph S., Winter Park, Fla. Adjustable support. 2,650,371, Sept. 1.

Showalter, Norine, assignee: *See*—
Miller, Naomi L.

Shower, Edmund G., Freeport, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fabricating cathode assemblies. 2,633,159, Mar. 31.

Showstack, Paul J., Dorchester, Mass. Self-contained fire alarm and fire extinguisher. 2,649,752, Aug. 25.

Shpentuk, Pete, Vancouver, British Columbia, Canada. Fruit quartering device. 2,629,168, Feb. 24.

Shreedharan, Kallady, Malacca, Malaya. Exposition water color process. 2,662,325, Dec. 15.

Shreve, Frances E., assignee: *See*—
Geel, John J.

Shrode, Leroy W., Vanderburg, Ind. Apparatus for aid in grading examinations. 2,639,167, May 19.

Shroff, Phiroze D.: *See*—
Frisch, Kurt C., and Shroff.

Shropshire-O'Neill Tank Company, assignee: S
Williams, Elmer R.

Shudde, Alfred J., Houston, Tex. Bed 2,644,957, July 14.

Shuler, Ellis W., Jr.: *See*—
Glanville, Charles R., Dunlap, and Shuler.

Shuler, Russell R., Keensburg, Colo. Vegetable cleaning attachment. 2,626,708, Jan. 27.

Shuler, Sanford A., Jr., and C. E. Crofoot, Sc
N. Y. Apparatus adapted for the removal and grass and the like. 2,627,155, Feb. 3.

Shull, Gilbert M., Roslyn Heights, D. A. Kitt
Heights, and J. W. Davisson, Levittown, as
Chas. Pfizer & Co., Inc., Brooklyn, N. Y. O
of steroids. 2,658,023, Nov. 3.

Shull, Harrison J., assignor to J. B. Youmans, Vanderbilt Associates, Nashville, Tenn. pouch holder and skin protector. 2,663,299,

Shultise, Quido M.: *See*—
Wolfe, Charles M., Shultise, and Grow.

Shulton, Inc., assignee: *See*—
Joffre, Stephen P.

Shultz, Andrew, Jr., Buffalo, assignor to Allied & Dye Corporation, New York, N. Y. Prep
sulfonation products. 2,652,427, Sept. 15.

Shultz, John F.: *See*—
Anderson, Robert B., and Shultz.

Shumaker, John F., assignor to Bendix-We
Automotive Air Brake Company, Elyria, O
matic slack adjuster. 2,649,170, Aug. 18.

Shumaker, Lawrence E., Denver, Colo. Land le
chine. 2,650,441, Sept. 1.

Shuman, Albert C.: *See*—
Gilkey, William K., and Shuman.

Shunk, Clifford H.: *See*—
Holly, Frederick W., Shunk, and Folkers.
Holly, Frederick W., Shunk, Cahill, and Fo

Shur, Ira: *See*—
Heimann, Heinrich, and Shur.

Shure Brothers, Incorporated, assignee: *See*—
Bauer, Benjamin B.
Bauer, Benjamin B., and Gunter.
Carlson, Elmer V.
Gunter, Lee, Jr.

Shurr, Paul L.: *See*—
Montross, Eugene E., and Shurr.
Stott, Louis L., and Shurr.

Shurson, Norman D., Sandwich, Ill. Combinati
and compression pump. 2,634,047, Apr. 7.

Shurtleff, Claude V.: *See*—
Lauer, Rodney F., and Shurtleff.

Shurts, Wilbur F.: *See*—
Black, James B., and Shurts.

Shurts, Wilbur F., Rockford, Ill., assignor to
Clutch Company, Racine, Wis. Axially engag
clutch. 2,625,247, Jan. 13.

Shurts, Wilbur F., Rockford, Ill., assignor to
Clutch Company, Racine, Wis. Vertical a
hydraulic coupling. 2,634,583, Apr. 14.

Shusett, David R., assignee: *See*—
Berezny, Mischa N.

Shusett, David R., Beverly Hills, and M. N
Huntington Park, Calif., said Berezny a
said Shusett. Automatic car washer. 2,65
10.

Shusman, Tevis, Longmeadow, Mass., assign
santo Chemical Company, St. Louis, Mo.
tion of styrene. 2,647,111, July 28.

Shuster, Romaine P.: *See*—
Mann, John, and Shuster.

Shutter, Russell, Benton, Ark. Resilient ball type draft means. 2,635,892, Apr. 21.

Shuttleworth, Charles A., Warren, Ind. Con
dling conveyer. 2,637,433, May 5.

Shwayder Bros., Inc., assignee: *See*—
Donald, James, Stimson, and Birza.
Axtell, Willard G.
Walton, Harold F.

Sias, Arthur C., Weston, Conn., assignor to
Decal, Inc., Mount Vernon, N. Y. Machine
ing and powdering sheets. 2,640,458, June

Sibble, Carl G., Tionesta, Pa. Lost motion mea
2,655,731, Oct. 20.

Sibinski, Victor H.: *See*—
Sibinski, Walter A. and V. H.

Sibinski, Walter A. and V. H., Weyerhaeuser, stop for dams. 2,641,221, June 9.

Sibley, Robert L., Nitro, W. Va., assignor to Chemical Company, St. Louis, Mo. Improv
resistance of butadiene-1,3 type polymers.
Aug. 4.

Siblo, Robert A.: *See*—
Van Over, Harlan C., and Siblo.

Sichak, William: *See*—
Cohen, Nathaniel L., Goldstein, and Sich

Sichak, William, Cambridge, Mass., assignor
assignments, to the United States of Ameri
sented by the Secretary of the Navy. Wave
2,632,852, Mar. 24.

Sichak, William, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,664,508, Dec. 29.

Sichak, William, Lyndhurst, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Helically slotted cylindrical antenna. 2,633,532, Mar. 31.

Sichak, William, Lyndhurst, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Circularly polarized antenna arrangement for radar. 2,640,915, June 2.

Sichak, William, Lyndhurst, N. J., and S. Milazzo, Brooklyn, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Antenna. 2,631,237, Mar. 10.

Siciliano, Frank: *See*—
McKinley, John M., Phillips, Siciliano, and McNeice.

Siciliano, Samuel F., assignor to George C. Moore Company, Westerly, R. I. Weft detector for looms. 2,628,641, Feb. 17.

Siciliano, Samuel F., assignor to George C. Moore Company, Westerly, R. I. Elastic fabric. 2,640,508, June 2.

Sick, John V., Waukegan, assignor to The Bunting Publications, Inc., North Chicago, Ill. Pressroom dolly. 2,631,006, Mar. 10.

Siczkiewicz, Joseph, Jr.: *See*—
Voight, Herbert L., and Siczkiewicz.

Siczkiewicz, Joseph, Jr., and H. L. Voigt, assignors to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Support for ironing tables. 2,661,554, Dec. 8.

Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Galvanometer. 2,626,296, Jan. 20.

Side, Frederick W., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Vibratory condenser converter. 2,632,791, Mar. 24.

Sidebotham, Melvin H., Winchester, Mass. Machine for making printed, corrugated box blanks. 2,662,452, Dec. 15.

Sidel, Kennith S., St. Louis, Mo. Vehicle door construction forming bed. 2,661,233, Dec. 1.

Sider, Frances, New York, N. Y. Strapless brassière. 2,628,357, Feb. 17.

Sider, Nicholas M.: *See*—
Kells, Benjamin F., and Sider.

Sides, Augustus C., New York, N. Y. Phonograph record cabinet construction. 2,626,196, Jan. 20.

Sidlinger, Paul E., Cedar Rapids, Iowa. Safety belt construction. 2,661,888, Dec. 8.

Sidney Machine Tool Company, The, assignee: *See*—
Dickas, Frederick D.

Siebens, Norman H., Cedar Grove, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Changeover valve. 2,641,273, June 9.

Siebert, Donald W., assignor to O. W. Siebert Company, Gardner, Mass. Bag attachment for baby carriages. 2,635,797, Apr. 21.

Siebert, O. W., Company, assignee: *See*—
Siebert, Donald W.

Siebert, Raymond C., Park Ridge, assignor to Crescent Industries, Inc., Chicago, Ill. Indicator and control device. 2,652,891, Sept. 22.

Siebrandt, Elizabeth, executrix: *See*—
Siebrandt, John R.

Siebrandt Fracture Equipment, Inc., assignee: *See*—
Siebrandt, John R.

Siebrandt, John R., deceased, Kansas City, Mo.; by E. Siebrandt, executrix, assignor, by mesne assignments, to Siebrandt Fracture Equipment, Inc., Kansas City, Mo. Bone reducing tool. 2,631,585, Mar. 17.

Siegel, Melvin, East Paterson, N. J. Weft stop motion for narrow fabric looms. 2,661,028, Dec. 1.

Siegal, Norman A., assignor to I. Swartzberg, Chicago, Ill. Apparatus for filling and emptying containers. 2,625,311, Jan. 13.

Siegal, Norman A., assignor to I. Swartzberg, Chicago, Ill. Apparatus for rapidly moving bottles and similar articles around sharp bends. 2,653,713, Sept. 29.

Siegel, David T., assignee: *See*—
Berkelhamer, Louis H.

Siegel, Jack: *See*—
Backus, Edward D., and Siegel.

Siegel, John A., Detroit, Mich. Exercising cage. 2,640,460, June 2.

Siegel, John A., Detroit, Mich. Multiple leaf palette. 2,651,868, Sept. 15.

Siegel, Morris B., assignor to Bryn Mawr Smokers Novelty Co., Chicago, Ill. Cigarette lighter. 2,658,368, Nov. 10.

Siegel, Philip, New York, N. Y. Compressing or squeezing device for mops. 2,644,182, July 7.

Siegel, Philip G., Flushing, and M. Stein, assignors to Perfect Knit Togs, Inc., New York, N. Y. Infant's garment. 2,652,057, Sept. 15.

Siegenthaler, Walter, assignor to Maschinenfabrik Schärer, Erlenbach, Switzerland. Pneumatic waste collector on thread-working textile machines. 2,651,473, Sept. 8.

Siegerist, Walter, University City, Mo. Feeding and clamping means for centerless bar turning machines. 2,655,066, Oct. 13.

Sieggreen, Richard L., Saginaw, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Automatic handling and hardness testing mechanism. 2,640,591, June 2.

Siegrist, Adolf E.: *See*—
Graemacher, Charles, Bruengger, and Siegrist.

Siekmann, Harold J.: *See*—
Meyer, Walter R., and Siekmann.

Siekmann, Harold J., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Multiple station center drive crankshaft lathe. 2,643,570, June 30.

Siemens & Halske, Aktiengesellschaft, assignee: *See*—
Heil, Rudolf.
Heil, Rudolf, and Taudt.
Jacobi, Werner, Hinderer, and Buchta.
Leypold, Dieter, Rudolph, and Jurgens.
Lohs, Willy, and Sommer.
Müller, Werner.
Rossberg, Ehrhard, and Lockemann.
Ruska, Ernst, and Hentschel.
Wüsteney, Herbert.

Siemens-Reiniger-Werke, assignee: *See*—
Gerneth, Josef.

Siemens-Schuckertwerke, Aktiengesellschaft, assignee: *See*—
Bauer, Friedrich.
Spenke, Eberhard H. G., Rose, and Waldkötter.
Volk, Paul, and Spiesecke.

Siemers, Fredrick J.: *See*—
Butler, Leon E., and Siemers.

Sieminski, Francis R., Jersey City, N. J. Collapsible wall table. 2,650,145, Aug. 25.

Siemon, Richard H., Kansas City, Mo. Combination gas and oil burner and control system therefor. 2,631,656, Mar. 17.

Siems, George H., Shelley, Idaho. Screw driver with screw holding means. 2,633,169, Mar. 31.

Sierchio, Gerardo, Pequannock, N. J. Sanding block. 2,663,979, Dec. 29.

Sierer, Payson, Ozone Park, and N. J. Waterbury, New York, assignors of thirty-five per cent to said Waterbury, twenty per cent to P. Rotko, Jr., Yonkers, fifteen per cent to H. E. Fisher, five per cent to A. R. Rich, New York, N. Y., five per cent to G. H. Hulin, Durham, N. C., five per cent to K. Kling, New York, five per cent to A. Ritter, Richmond Hill, five per cent to R. Winkler, Brooklyn, and five per cent to G. D. Campbell, New York, N. Y. Visualized race track gate circuit. 2,664,559, Dec. 29.

Siering, Robert L., assignor to Johns-Manville Corporation, New York, N. Y. Heat exchange and sound absorbing wall unit. 2,655,348, Oct. 13.

Siering, Robert L., and H. S. Ford, assignors to Johns-Manville Corporation, New York, N. Y. Device for driving fasteners. 2,657,383, Nov. 3.

Sievern, Frederick, McKeesport, and J. L. Fox, Port Vue, assignors of one-third to B. Biesel, Pittsburgh, Pa. Brush wiper attachment for paint cans. 2,647,658, Aug. 4.

Sievert, Charles W., assignor to F. W. Sievert, Los Angeles, Calif. Gas fueled combustion chamber and air inlet baffle. 2,642,127, June 16.

Sievert, Frederick W., assignee: *See*—
Sievert, Charles W.

Sievert, Oscar M., Detroit, Mich. assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Panic lock. 2,625,418, Jan. 13.

Siff, Bertram, New York, N. Y. Table for detachable connection to chairs. 2,625,986, Jan. 20.

Sifferd, Robert H., Joliet, assignor to Armour and Company, Chicago, Ill. Recovery of cerebrosides. 2,637,726, May 5.

Sifferd, Robert H., Joliet, assignor, by mesne assignments, to Armour and Company, Chicago, Ill. Preparation of dehydrocholic acid. 2,651,642, Sept. 8.

Sifferd, Robert H., Joliet, assignor, by mesne assignments, to Armour and Company, Chicago, Ill. Separation of bile acids. 2,661,356, Dec. 1.

Sifferd, Robert H., Joliet, and J. J. Svarz, assignors, by mesne assignments, to Armour and Company, Chicago, Ill. Purification of desoxycholic acid. 2,651,643, Sept. 8.

Sigg, Joseph A., Pittsburgh, Pa. Screw driver. 2,641,478, June 9.

Sigg, Karl, Benningen, Switzerland, assignor to Medical Fabrics Co., Inc., Paterson, N. J. Means for the treatment of phlebitis. 2,649,088, Aug. 18.

Siggers, Philip E., Sr., assignee: *See*—
Boyer, Oliver.

Siggia, Sidney, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Making of butane-1,2,4-triol. 2,657,242, Oct. 27.

Siggson, William, Philadelphia, Pa. Carpenter's layout tool. 2,656,609, Oct. 27.

Sigler, Harold H.: *See*—
Hiller, Stanley, Jr., and Sigler.

Sigler, Lawrence M., Washington, D. C. Dumping and washing mechanism for egg separating cups. 2,646,163, July 21.

Siglin, Pierce W., Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of the Army. Range measuring apparatus. 2,653,232, Sept. 22.

Sigman, John J., Cicero, Ill. Insulating splice protector. Re. 23,649, Apr. 21.

Sigmon, Ross M., Jr., Winston-Salem, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Coaxial dial locking device. 2,643,632, June 30.

Signal Oil and Gas Company, assignee: *See*—
Heath, Ronald W.
Johnston, Daniel S.
Moon, James.

Signer, Ralph J., Villa Park, assignor to The Visking Corporation, Chicago, Ill. Plastic compositions and articles produced therefrom. 2,658,048, Nov. 3.

Signer, Ralph J., Chicago, and K. F. Beal, Park Forest, assignors to The Visking Corporation, Chicago, Ill. Mixture of polychloroprene, vinyl chloride polymer, and butadiene-acrylonitrile copolymer. 2,658,050, Nov. 3.

Signer, Ralph J., Chicago, and K. F. Beal, Park Forest, assignors to The Visking Corporation, Chicago, Ill. Mixture of polychloroprene, vinyl chloride-acrylonitrile copolymer, and butadine-acrylonitrile copolymer. 2,658,051, Nov. 3.

Signer, Ralph J., Chicago, and K. F. Beal, Park Forest, assignors to The Visking Corporation, Chicago, Ill. Mixture of polyvinylidene chloride, vinyl chloride polymer, and butadine-acrylonitrile copolymer. 2,658,052, Nov. 3.

Signer, Ralph J., Chicago, and K. F. Beal, Park Forest, assignors to The Visking Corporation, Chicago, Ill. Mixture of polychloroprene, vinyl chloride-vinylidene chloride copolymer, and butadiene-acrylonitrile copolymer. 2,658,053, Nov. 3.

Signode Steel Strapping Company, assignee: *See*—
Childress, William C.
Childress, William C., and Ericsson.
Crosby, George A., and Ericsson.
Lau, Herbert C.

Signore, James W., Ellicottville, N. Y. Window sash operating mechanism. 2,649,301, Aug. 18.

Signorini, Duilio, assignor to S. A. G. A. Societa Applicazioni Gomma Antivibranti, Milan, Italy. Resilient support. 2,625,380, Jan. 13.

Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Multiple needle stitching mechanism. 2,637,290, May 5.

Sigvathsen, Paul A., Minneapolis, Minn. Attachment for the handle of driven tool-equipped flexible shafts. 2,663,336, Dec. 22.

Sigworth, Harrison W., and B. A. Fries, El Cerrito, assignors to California Research Corporation, San Francisco, Calif. Measurement of films and deposits. 2,660,678, Nov. 24.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Self-biasing magnetic amplifier. 2,632,145, Mar. 17.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric regulating system utilizing a phase reversing reactive compensator. 2,638,570, May 12.

Sikorra, Daniel J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric regulator responsive to phase difference of two currents. 2,641,738, June 9.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter rotor. 2,627,929, Feb. 10.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Landing gear for use on inclined surfaces. 2,630,989, Mar. 10.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Combined air fan and clutch for engine cooling. 2,640,469, June 2.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter rotor. 2,643,724, June 30.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Variable pitch control of helicopter coaxial rotors. 2,663,372, Dec. 22.

Silby, Martin V., New York, N. Y. Box staying machine. 2,639,649, May 26.

Silcraft Corporation, assignee: *See*—
Smith, Edward J.

Silent Glow Oil Burner Corporation, The, assignee: *See*—
Sherman, Railston M.

Silex Company, The, assignee: *See*—
Sé Bastian, Ford.

Sillars, George S., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Box blank forming machine. 2,655,844, Oct. 20.

Sillars, George S., Beverly, and W. B. Hall, Needham, assignors to Hoague-Sprague Corporation, Lynn, Mass. Mechanism for creasing box blank material. 2,629,298, Feb. 24.

Sillers, Thomas G. A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute with notched barrier plates. 2,655,578, Oct. 13.

Sillers, Thomas G. A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dual action magnetic relay with variable air gap. 2,636,934, Apr. 28.

Silliman, Grant F.: *See*—
Wilson, Frank C., and Silliman.

Sillitto, George P., West Kilbridge, and D. G. Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Container for safety blasting explosives. 2,635,543, Apr. 21.

Silmar Foundations, Inc., assignee: *See*—
Pioli, Raymond.

Silon, Melvin, assignee: *See*—
Lepkowski, Thomas W.

Silson, Jack, assignee: *See*—
Cowan, Morris.

Silson, Victor, assignee: *See*—
Cowan, Morris.

Silson, Victor, Co., assignee: *See*—
Cowan, Morris.

Silva, Anthony R., San Jose, Calif. Casing. 2,646,197, July 21.

Silva, Arthur S., Taunton, Mass, assignor to Sw
Wallet from one-piece of material. 2,628,650

Silva, Guy H., San Diego, Calif. Salt wa
2,629,687, Feb. 24.

Silva, Guy H., San Diego, Calif. Fish catch
ratus. 2,643,477, June 30.

Silvagi, Joseph, Detroit, Mich. Fixture for gene
volutes. 2,653,426, Sept. 29.

Silvani, Ernest, Roselle, N. J., assignor to Mai
Brassiere Co., Inc., New York, N. Y. Amplifi
sière. 2,632,169, Mar. 24.

Silven, Herbert A., assignor to Norton Company
ter, Mass. Grinding machine. 2,647,349, Au

Silven, Herbert A., assignor to Norton
Worcester, Mass. Grinding machine
Aug. 11.

Silver, Barney, Racine, Wis. Feed attachment
gator shears. 2,638,341, May 12.

Silver, Harold F., Denver, Colo. Double rotary
battery. 2,658,010, Nov. 3.

Silver, John, Jersey City, N. J. Extension cord
for outlet connections. 2,650,279, Aug. 25.

Silver, Marshall, Huntington Woods, Mich.
ring device. 2,661,193, Dec. 1.

Silver, Martin: *See*—
Labin, Emile, Frankel, and Silver.

Silver, Martin, assignor to Federal Telephone
Corporation, New York, N. Y. Tracking syste
receiver and transmitter. 2,643,329, June 23

Silver, Robert H., Schroeder, Minn. Dual cho
2,663,922, Dec. 29.

Silver, Walter, Brooklyn, N. Y. Ornamental but
ing. 2,637,885, May 12.

Silver, Walter H., assignor to Deere & Compan
Ill. Cultivator tool-bar connection. 2,632,373

Silver, Walter H., assignor to Deere & Compan
Ill. Automatic depth control for agricultu
ments. 2,641,172, June 9.

Silver, Walter H., assignor to Deere & Compan
Ill. Cane trash mover. 2,656,664, Oct. 27.

Silver, Walter H., and R. E. Cox, assignors t
Company, Moline, Ill. Quick detachable tracto
lister. 2,626,549, Jan. 27.

Silver, Walter H., and R. E. Cox, assignors t
Company, Moline, Ill. Power lift for tracto
implements. 2,626,554, Jan. 27.

Silver, Walter H., Moline, Ill., and W. V. Lohrm
port, Iowa, assignors to Deere & Company, M
Load moving attachment for tractors.
Mar. 3.

Silver, Walter H., Moline, Ill., and W. V. Lohrma
port, Iowa, assignors to Deere & Company, M
Tractor mounted lister or bedder. 2,631,513

Silver, Walter H., Moline, Ill., and W. V. Lohrm
port, Iowa, assignors to Deere & Company, M
Disk plow. 2,635,517, Apr. 21.

Silver, Walter H., and R. E. Cox, assignors t
Company, Moline, Ill. Disk plow and steeri
nism therefor. 2,637,258, May 5.

Silver, Walter H., and R. E. Cox, assignors to Dee
pany, Moline, Ill. Tractor mounted plow.
May 5.

Silver, Walter H., and J. I. Cantral, assignors
& Company, Moline, Ill. Disk plow wheel
2,648,270, Aug. 11.

Silverberg, Arthur: *See*—
Frisch, Abraham H., and Silverberg.

Silverberg, Carl G.: *See*—
Bernheim, Daniel P., and Silverberg.

Silverman, Alexander: *See*—
Melnick, Laben M., Safford, and Silverman

Silverman, Daniel, assignor to Stanolind Oil
Company, Tulsa, Okla. Acceleration-compen
tem. 2,634,610, Apr. 14.

Silverman, Daniel, J. D. Eisler, and C. C. Lash,
to Stanolind Oil and Gas Company, Tulsa, Okl
seismic surveying. 2,632,150, Mar. 17.

Silverman, Daniel, G. R. Newton, and J. E
assignors to Stanolind Oil and Gas Compa
Okla. Automatic diameter compensation in
well logging. 2,648,778, Aug. 11.

Silverman, David B., Los Angeles, Calif. Mo
ment equalizer. 2,635,898, Apr. 21.

Silverman, James, Newark, N. J. Radar beac
2,637,021, Apr. 28.

Silverman, Julia E., New York, N. Y. Protect
pedic garment. 2,661,002, Dec. 1.

Silverman, Milton: *See*—
Hyman, Julius, and Silverman.
Silverman, Myer A.: *See*—
Sherman, Harry, Silverman, and Liberman.
Sherman, Harry H., and Silverman.
Silverman, Sol B., assignor to Northwest Leather Goods Co., Chicago, Ill. Compartment insert for brief bags. 2,657,726, Nov. 3.
Silvers, Charles, Miami Beach, Fla. Jalousie window. 2,640,233, June 2.
Silverstein, Daniel J., assignee: *See*—
Wodetzky, Elmer.
Silverstein, Martin: *See*—
Nordblom, George F., and Silverstein.
Silverstein, Martin S., Camden, N. J., and J. J. Jakabcin, Philadelphia, Pa. Inflammable compositions including red phosphorous. 2,635,953, Apr. 21.
Silverstein, Martin S., Camden, N. J. Inflammable composition containing red phosphorus. 2,645,571, July 14.
Silverstein, Martin S., Camden, N. J. Primer. 2,649,047, Aug. 18.
Silverstein, Martin S., Camden, N. J. Stabilizing red phosphorus against oxidation. 2,664,343, Dec. 29.
Silverstein, Samuel W., Passaic, N. J. Contact lens. 2,641,161, June 9.
Silverstolpe, Karl O. L., assignor to Rudolph Grave Aktiebolag, Stockholm, Sweden. Concentrating vessel and stopper therefor. 2,649,245, Aug. 18.
Silvertooth, Ernest W., Pasadena, assignor to Mega Corporation, Los Angeles, Calif. Apparatus for indicating humidity of gases and the atmosphere. 2,632,114, Mar. 17.
Silvester, Austin G., Schenectady, N. Y., assignor to the United States of America as represented by the Secretary of the Air Force. Hydraulically operated speed governor for jet engines with electrically operated safety device. 2,628,672, Feb. 17.
Silvestri, Nicholas, assignor to Shape-Well Shoulder Pad Corp., New York, N. Y. Shoulder pad. 2,635,251, Apr. 21.
Silvius, Paul: *See*—
Wallace, James M., and Silvius.
Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,627,944, Feb. 10.
Simanek, Edward J., assignor to American Steel Foundries, Chicago, Ill. Fabricated brake beam. 2,655,235, Oct. 13.
Simblest, Allen L., assignor to Shawnee Industries, Inc., Columbus, Ohio. Ventilator for buildings having pitched roofs. 2,645,992, July 21.
Simcox, Horace J., Clifton Junction, near Manchester, assignor, by mesne assignments, to F. A. Hughes & Company Limited, London, England. Anodes for cathodic protection of metal structures. 2,639,265, May 19.
Sime, Maxwell E., Bayswater, London, England, assignor to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,646,922, July 28.
Simi, Hendrick E., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Ventilation of passenger compartment of automotive busses. 2,656,779, Oct. 27.
Simison, Allen L., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Forming glass fiber mats. 2,639,759, May 26.
Simison, Allen L., Ottawa Hills, Toledo, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for determining properties of resins. 2,653,473, Sept. 29.
Simjian, Luther G., Riverside, Conn. Pose-reflecting photographic apparatus. 2,625,857, Jan. 20.
Simjian, Luther G., Riverside, assignor to The Reflectone Corporation, Stamford, Conn. Mounting member for furniture and the like. 2,641,310, June 9.
Simkins, Thomas R., East Williston, and R. N. Jasper, Baldwin, assignors, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Forming fluffed filamentary masses and article produced thereby. 2,644,780, July 7.
Simko, Andrew S., Passaic, N. J. Ball throwing sling. 2,644,441, July 7.
Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Adjustable liquid color filter for photographic enlargers. 2,627,786, Feb. 10.
Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.
Simmonds Aerocessories Inc., assignee: *See*—
Smith, Stanley J., and Isreeli.
Simmons, Adrienne: *See*—
Simmons, Lewis M., Simmons, and Arnott.
Simmons, Aldred J.: *See*—
Simmons, Cora P. and A. J.
Simmons, Archie L., Kilgore, assignor to Sells-Simmons Hydrostatic Bailer Corporation, Gladewater, Tex. Combination oil well hydrostatic cleanout bailer. 2,649,917, Aug. 25.
Simmons Company, assignee: *See*—
Korney, Roman F.
Petersen, John S.
Petersen, John S., and Coshun.
Travis, Don C.
Woller, Edward E.
Simmons, Cora P. and A. J., Kansas City, Mo.; said C. P. Simmons assignor to A. J. Simmons. Sectional conduit. 2,642,899, June 23.
Simmons Fastener Corporation, assignee: *See*—
Schlueter, Ernest.
Simmons, Gladys L., administratrix: *See*—
Simmons, Leon E.
Simmons, Harry M. and R. M., Cleveland, Ohio, assignors to Cleaners Hanger Company, Detroit, Mich. Machine for wrapping garment hangers. 2,661,583, Dec. 8.
Simmons, Howard A., Milford, assignor of one-half to J. R. Kimball, Hopedale, Mass. Mounting for textile spindles. 2,647,806, Aug. 4.
Simmons, Jack W., assignor to Elberta Crate & Box Company, Tallahassee, Fla. Chick crate water holder. 2,655,130, Oct. 13.
Simmons, John J., San Jose, assignor of one-half to H. S. Vath, Menlo Park, Calif. Folding stool. 2,649,894, Aug. 25.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Cutter chain. 2,644,679, July 7.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,644,680, July 7.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,653,808, Sept. 29.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Reversible longwall mining machine. 2,657,915, Nov. 3.
Simmons, Leon E., deceased, by G. L. Simmons, administratrix, Claremont, N. H., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Tilting mechanism for kerf cutting machines. 2,661,930, Dec. 8.
Simmons, Lewis A., Maywood, Ill. Counter construction. 2,641,400, June 9.
Simmons, Lewis M., and A. Simmons, Rose Bay, near Sydney, New South Wales, and H. D. Arnott, Sydney, New South Wales, Australia. Thermostatic warning device. 2,660,143, Nov. 24.
Simmons, Louis G., assignee: *See*—
Lasley, Robert A.
Simmons, Lovel R., Jackson, Miss. Guide sheave arrangement for control cable extending between tractor and trailer vehicles connected by a weight-transferring hitch. 2,642,293, June 16.
Simmons, Luella A., Los Angeles, Calif. Cooking spoon holder for attachment to cooking vessels. 2,658,363, Nov. 10.
Simmons, Orien W., assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Electric arc melting furnace. 2,652,440, Sept. 15.
Simmons National Bank, The, trustee, assignee: *See*—
Voss, Otto J.
Simmons, R. A., Vernonia, Oreg. Dry kiln. 2,627,671, Feb. 10.
Simmons, Robert M.: *See*—
Simmons, Harry M. and R. M.
Simmons, Verne P., New York, N. Y. Toothbrush cover. 2,655,968, Oct. 20.
Simms, Ernest H., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus adapted for heating shoes. 2,662,964, Dec. 15.
Simms, Howard N.: *See*—
Coffman, Robert S., and Simms.
Simms, Russell K.: *See*—
Ringham, Clarence R., and Simms.
Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Carbon black pelleting. 2,652,344, Sept. 15.
Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Ammonium sulfate production. 2,656,248, Oct. 20.
Simon, Alfonso M., Jr., New York, N. Y., and A. P. Gluck, Paterson, N. J.; said Gluck assignor to said Simon. Vending apparatus. 2,645,544, July 14.
Simon, Carl H., assignor to Darling Valve & Manufacturing Company, Williamsport, Pa. Hydrant. 2,633,143, Mar. 31.
Simon, Charles, Lynbrook, N. Y. Fuel dilution device. 2,638,883, May 19.
Simon, Donald L., Crowley, La., assignor by decree of distribution to R. R. Simon. Drier and method. 2,639,515, May 26.
Simon, Edgar K., and M. H. Fischer, assignors to Lorum Fibre Company, Inc., New York, N. Y. Treatment for the correction of lost circulation of drilling fluids. 2,634,236, Apr. 7.
Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Cellular plastics having foam stabilizing additives. 2,634,244, Apr. 7.
Simon, Eli, Los Angeles, F. W. Thomas, Burbank, and E. H. Burkart, North Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Making housing for electrical apparatus. 2,639,252, May 19.
Simon, Eli, Los Angeles, and F. W. Thomas, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Cellular plastics containing saturated and unsaturated polyester resins. 2,642,403, June 16.
Simon, Eli., Los Angeles, F. W. Thomas, Burbank, and E. H. Burkart, North Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Housing for electrical apparatus. 2,642,920, June 23.
Simon, Eric: *See*—
Holtzman, Harris, and Simon.

Simon, Ferdinand J., Gramercy, La. Apparatus for fuel injection. 2,635,590, Apr. 21.
Simon, Forrest C.: *See*—
Hutchins, Ralph P., and Simon.
Simon, Hans L., London, England. Means for agitating liquids. 2,644,677, July 7.
Simon, Hans L., assignor to Ronnoco Export Development Company Limited, London, England. Compressor. 2,650,754, Sept. 1.
Simon, Harry, Providence, R. I. Hassock construction. 2,636,551, Apr. 28.
Simon, Henry, Brooklyn, N. Y. Supplementary letter device for typewriters. 2,629,478, Feb. 24.
Simon, Henry, (Holdings) Limited, assignee: *See*—
Watts, George.
Simon, James C., Cleveland, Ohio. Bin dispenser. 2,662,667, Dec. 15.
Simon, Leonard B.: *See*—
Spiess, Irwin, and Simon.
Simon, Lewis B., Flushing, N. Y. Container transferring apparatus. 2,651,425, Sept. 8.
Simon, Otis W., and G. B. Carmack, Bonners Ferry, Idaho. Ratcheting wrench. 2,655,064, Oct. 13.
Simon, Paul R., assignee: *See*—
Gaylord, John A.
Simon, Ruth R., assignee: *See*—
Simon, Donald L.
Simon, Simon A., Longmeadow, and A. H. Drelich, Springfield, assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Astatic vehicle seat. 2,627,901, Feb. 10.
Simon, Simon A., Longmeadow, and A. H. Drelich, Springfield, assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Rendering synthetic resins astatic. 2,628,176, Feb. 10.
Simon, Simon A., Longmeadow, and A. H. Drelich, Springfield, assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Astatic material. 2,649,143, Aug. 18.
Simonds Saw and Steel Company, assignee: *See*—
Pavitt, Harry A.
Simonian, Gerald, and R. H. Linkert, Fresno, Calif. Food package holder and dispenser. 2,628,876, Feb. 17.
Simonis, Edward A., and F. R. Heath, Harrow, assignors to D. Napier & Son Limited, London, England. Liquid pump. 2,651,553, Sept. 8.
Simons, Abraham, Monsey, N. Y. Lapping tool. 2,658,314; Nov. 10.
Simons, Archie, Leicester, assignor to Power Jets (Research and Development) Limited, London, England. Pressure reducing valve. 2,642,892, June 23.
Simons, Edward, San Francisco, Calif. Cooling tower. 2,627,396, Feb. 3.
Simons, Homer C., Maple Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Heater control. 2,634,670, Apr. 14.
Simons, Howard A., Vancouver, British Columbia, Canada. Hydraulic barking or cleaning apparatus. 2,661,781, Dec. 8.
Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Epichlorhydrin-sulfonamide resins. 2,643,244, June 23.
Simons, Joseph H.: *See*—
Kauck, Edward A., and Simons.
Simons, Joseph H., and R. D. Dunlap, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Silicon halides containing fluorocarbon radicals. 2,651,651, Sept. 8.
Simons, Joseph H., T. J. Brice, and W. H. Pearlson, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Making fluorocarbon chlorides and bromides by thermal chlorination and bromination of fluorocarbon hydrides. 2,658,928, Nov. 10.
Simons, Lowell W., assignor of one-half to W. N. Deatherage, Long Beach, Calif. Compressor for vehicle suspension springs. 2,646,618, July 28.
Simonsen, Peter H., Avon, N. J. Sleeve fold guiding and supporting device. 2,626,734, Jan. 27.
Simonsen, Vilhelm, and P. Nielsen, Randers, Denmark. V belt pulley. 2,662,416, Dec. 15.
Simonson, Sigvard, Butler, Pa., assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Cross-bearer construction for railway cars. 2,652,006, Sept. 15.
Simonson, Sigvard, Butler, Pa., assignor, by mesne assignments, to Waugh Equipment Company, New York, N. Y. Railway car construction. 2,652,158, Sept. 15.
Simonton, William L.: *See*—
Hott, Ion V. K., and Simonton.
Simos, Nickolas A., Toledo, Ohio. Article display case. 2,637,614, May 5.
Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchanger. 2,634,958, Apr. 14.
Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Heat exchanger. 2,657,018, Oct. 27.
Simpkins, Isaac W., Charlotte, N. C. Control apparatus for tandem engines. 2,630,871, Mar. 10.
Simplex Packaging Machinery, Inc., assignee: *See*—
Gaubert, Rene J.
Simplex Time Recorder Co., assignee: *See*—
Rixford, Henry K., Rockwood, and Maki.
Simpson, Alice H., Santa Barbara, Calif. Fe
and warmer for beds. 2,640,205, June 2.
Simpson, Arthur J., and J. F. Zwicky, Chalfon
assignors to Steralic Filters Ltd., Beaconfiel
Filtering device. 2,633,990, Apr. 7.
Simpson, Arthur L., Toledo, Ohio, assignor t
York Central Railroad Company. Fr
2,654,327, Oct. 6.
Simpson, Arthur M., Lexington, Ky., assign
Kawneer Company, Niles, Mich. Bowling pi
and orienting mechanism. 2,626,802, Jan. 2
Simpson, Arthur W., assignor, by mesne assi
Burgess Battery Company, Freeport, Ill.
2,643,278, June 23.
Simpson, Barry, Billacombe, near Plymouth,
one-half to Simpson, Fawcett & Company Lin
combe, England. Perambulator and like vel
a toggle-operated brake mechanism. 2,657,9
Simpson, Clarence E., Springfield, Mass., assi
United States of America as represented
retary of War. Cartridge link and feedwh
integrating belts. 2,648,258, Aug. 11.
Simpson, Clarence E., Wilbraham, Mass., assi
United States of America as represented by
tary of War. Quick-change barrel. 2,625,7
Simpson, Clarence E., Wilbraham, Mass., assi
United States of America as represented by
tary of War. Feeding mechanism for aut
arms. 2,627,208, Feb. 3.
Simpson, Clarence E., Wilbraham, Mass., assi
United States of America as represented
retary of War. Breech locking mechanism.
Sept. 15.
Simpson, Edgar A.: *See*—
Goodwin, Manfred E., and Simpson.
Simpson, Elizabeth A., assignee: *See*—
McMaster, Archie J.
Simpson, Elizabeth A., Chicago, Ill. Reading-
2,662,307, Dec. 15.
Simpson, Eugene H., assignor to R. J. Moths,
Wis. Sectional scaffold frame. 2,631,900,
Simpson, Fawcett & Company Limited, assigne
Simpson, Barry.
Simpson, Frank L., Denver, Colo. Illumin
number. 2,648,152, Aug. 11.
Simpson, Frank R., Upper Darby, Pa., assi
United States of America as represented by
tary of the Army. Tool for belt loading
projectiles with cartridge cases. 2,640,387,
Simpson, Frank R., Upper Darby, Pa. Tool
bly of pre-engraved projectiles with cart
2,659,262, Nov. 17.
Simpson, Glen C., assignee: *See*—
Hester, Harry W.
Simpson, Harold N., Detroit, Mich., assign
Washing Machine Corporation, Syracuse,
and caster mount. 2,659,927, Nov. 24.
Simpson, Henry A.: *See*—
Robinson, Joseph D., and Simpson.
Simpson, Herbert, Corporation, assignee: *See*—
Christensen, Alfred C.
Granath, Axel G.
Horth, Walter.
McIlvaine, Robert L.
McIlvaine, Robert L., and Yates.
Simpson, Hobart A., assignor to Vera Alonge,
N. Y. Tape cutter and splicing device. 2,6
24.
Simpson, Jack W. E., Richmond, Va. Inte
letter sign. 2,642,686, June 23.
Simpson, James H., St. Louis, Mo., assignor
assignments, to Joy Manufacturing Com
burgh, Pa. Cable entrance for sealed
2,652,445, Sept. 15.
Simpson, John, assignee: *See*—
Simpson, John, Jr.
Simpson, John, Jr., and O'Dell.
Simpson, John, Jr., assignor to J. Simpson, a
son, Jr., Luton, England. Garment and
2,663,955, Dec. 29.
Simpson, John, Jr., and G. O'Dell, Luton, E
O'Dell assignor to J. Simpson, Luton, Eng
ment press with a single manual control.
Dec. 29.
Simpson, John A., Jr.: *See*—
Wilson, Volney C., and Simpson.
Simpson, Kenneth M., Santa Barbara, Calif.,
the United States of America as represen
United States Atomic Energy Commission.
gauge. 2,643,342. June 23.
Simpson, Leonard R., Birmingham, Ala.
2,661,869, Dec. 8.
Simpson, Lynn L., and S. E. Weaklend, Port
assignors to C. F. Hoffar of Hoffar Enter
Los Angeles, Calif. Holder for toilet pa
form. 2,626,761, Jan. 27.
Simpson, Otis F.: *See*—
Burke, William F., and Simpson.
Simpson, Paul F.: *See*—
Sanford, Roy S., and Simpson.
Simpson, Richard W., Cheshire, assignor to S
ufacturing Company, Waterbury, Conn. T
quick-release zippers. 2,658,251, Nov. 10.

Simpson, Richard W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Separable end connection for slide fasteners. 2,655,704, Oct. 20.

Simpson, Robert D.: *See*—
Gordon, Elwin V., Simpson, and Cardoza.

Simpson, Robert D., and E. V. Gordon, San Leandro, and F. Cardoza, assignors to Farm Production Engineers, Inc., Hayward, Calif. Apparatus for reaping seed crops. 2,637,965, May 12.

Simpson, Robert D., and E. V. Gordon, San Leandro, F. Cardoza, Hayward, and J. H. Jacobs, assignors to Farm Production Engineers, Inc., Oakland, Calif. Separating dispersed matter from fluid masses. 2,638,218, May 12.

Simpson, Robert E., New Rochelle, N. Y. Illuminated drinking glass. 2,663,866, Dec. 22.

Simpson, Robert O., Cincinnati, Ohio. Container cover. 2,657,822, Nov. 3.

Simpson, Stephen, Poundsgate, Newton Abbot, Devon, England. Dry gas meter. 2,662,403, Dec. 15.

Simpson, Walter C., Oakland, Calif. Flue damper latch. 2,654,363, Oct. 6.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,625,803, Jan. 20.

Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,663,165, Dec. 22.

Simpson, Warren C., Albany, and W. B. Wilson, Concord, assignors to Shell Development Company, Emeryville, Calif. Thermal treatment and separation process. 2,662,845, Dec. 15.

Sims, George L., assignee: *See*—
Schopp, Otto.

Sims, Jack W., New York, N. Y. Level. 2,651,848, Sept. 15.

Sims, John C., Jr.: *See*—
Eckert, John P., Jr., Sims, and Welsh.

Sinclair, Bert H., Little Silver, N. J., assignor to the United States of America as represented by the Secretary of the Army. Decoding circuit. 2,636,162, Apr. 21.

Sinclair, Clyde C., assignor to Paw Paw Bait Company, Paw Paw, Mich. Fish bait or lure. 2,627,136, Feb. 3.

Sinclair, George W.: *See*—
Miller, Raymond S., and Sinclair.

Sinclair, Harold, London, England. Change-speed gearing. 2,651,394, Sept. 8.

Sinclair, John W.: *See*—
Schoepe, Adolf, and Sinclair.

Sinclair, Kenneth C., Detroit, Mich. Automobile draft control deflector. 2,658,793, Nov. 10.

Sinclair Oil and Gas Company, assignee: *See*—
Nelson, John W.
Smith, Robert L., and Watson.
Wisherd, Thomas G.

Sinclair Refining Company, assignee: *See*—
Apgar, Frank A.
Beckberger, La Vern H.
Beckberger, La Vern H., and Woerner.
Campbell, Oliver F.
Case, Everett N.
Cheney, Leroy K.
Clouse, Easten R., and Woerner.
Dresser, Thorpe, and Smith.
Entwistle, George, and Voss.
Erickson, Henry.
Gring, John L.
Hoopes, John E.
Howe, Robert E., and Gullette.
Kuhn, George F.
Kuhn, Herman C.
Pelzer, Harry L.
Rieckhoff, Robert J.
Ringgenberg, Herman I.
Smith, Kenneth A., and Hedeen.
Teter, John W.
Teter, John W., and Olson.
Wagner, Don A.
Watkins, Franklin M.
Watson, Kenneth M.
Watson, Kenneth M., Howe, and Smith.
Wayo, Stephen J.
Wilcox, Marion J., and Schade.
Woerner, Rudolph C.

Sinclair Research Laboratories Inc., assignee: *See*—
Piros, John J.
Stabler, Albert.

Sinclair-Scott Company, of Baltimore City, The, assignee: *See*—
Lupton, Elmer H.

Sinclaire, Francis S., Brooklyn, N. Y. Positive interlock switch. 2,624,809, Jan. 6.

Sinclaire, Francis S., Brooklyn, N. Y. Roller type switch. 2,650,962, Sept. 1.

Sindeband, Seymour J.: *See*—
Stern, George, Sindeband, and Scanlan.

Sindeband, Seymour J., Chappaqua, G. Stern, Mamaroneck, and J. P. Scanlan, assignors to American Electro Metal Corporation, Yonkers, N. Y. Production of chromium-alloyed corrosion-resistant metal powders and related products. 2,657,127, Oct. 27.

Sindzinski, Willy K., Berlin, Germany, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Receiver for pneumatic post systems with horizontal capsule ejection. 2,647,706, Aug. 4.

Sindzinski, Willy K., Berlin, and W. F. Hamm, Berlin-Wittenau, Germany, assignors to International Standard Electric Corporation, New York, N. Y. Unloader for belt conveyers. 2,663,403, Dec. 22.

Sines, Harold S., assignee: *See*—
Carlson, Edward C.

Sines, William V., Flint, Mich. Marble carrier. 2,627,973, Feb. 10.

Sing, Boyd H.: *See*—
Broadbent, William B., and Sing.

Singel, John B., R. E. Leister and J. R. Heck, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency shift keying circuits. 2,636,941, Apr. 28.

Singer, Alexander J., Seat Pleasant, Md. Developing apparatus. 2,638,829, May 19.

Singer, Arnold J., Newark, assignor to Amm-I-Dent, Inc., Jersey City, N. J. Ammoniated dentifrice containing anhydrous dicalcium phosphate. 2,647,073, July 28.

Singer, Fred J., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex carrier telegraph system. 2,662,933, Dec. 15.

Singer, Grover C., Brownsville, Tex. Valve. 2,662,554, Dec. 15.

Singer, Isadore, Chicago, Ill. Flame- and heat-resistant work glove. 2,650,365, Sept. 1.

Singer, Kurt: *See*—
Blaney, Arthur C., and Singer.

Singer, Kurt, North Hollywood, Calif., assignor to Radio Corporation of America. Photoelectric cell coupling circuit. 2,628,317, Feb. 10.

Singer, Kurt, North Hollywood, Calif., assignor to Radio Corporation of America. Sound re-recording method and system. 2,647,170, July 28.

Singer Manufacturing Company, The, assignee: *See*—
Ackerman, James E.
Breul, Fredric W.
Enos, John P.
Hacklander, Hans.
Hacklander, Hans, and Herr.
Hale, Arthur N.
Hanf, Edward M.
Heggie, James.
Inglis, Ross D.
Johnson, Ralph E.
Johnson, Ralph E., and Kessler.
Knaus, Nicholaus.
Knaus, Nicholaus, and Millington.
Koenig, Edward L.
Krzesiewski, Walter.
McCann, Michael.
Muecke, Edward.
Palmer, Ralph F.
Parry, Frank.
Ritter, Herman.
Sailer, Norris H.
Smith, Floyd T.
Snyder, Ellsworth B.
Stanton, Edward W.
Turner, Edgar P.
Turner, Edgar P., and Sailer.
Turner, Edgar P., and Stockburger.
Van Wagener, Raymond H., Carmichael, and Parry.
Wendel, Lorenz A.
Zeier, Frederick F.

Singer, Martin B.: *See*—
Knowles, Beryl B., and Singer.

Singer, Martin B., assignor to Harlequin Corporation, New York, N. Y. Eyeglass frame construction. 2,625,079, Jan. 13.

Singer, Monroe J., New York, N. Y. Santa Claus bank. 2,635,383, Apr. 21.

Singer, Philip A.: *See*—
Belter, Paul A., Smith, Deobald, Singer, and Beckel.

Singh, Alamjit D., assignor to Institute of Gas Technology, Chicago, Ill. Treating coal and the like. 2,636,688, Apr. 28.

Singleton, Arthur E., Fort Wayne, Ind., assignor to The Toidey Company, Gertrude A. Muller, Inc. Child's auxiliary seat attachment. 2,649,139, Aug. 18.

Singleton, John C., Jr.: *See*—
Gilg, Frank X., and Singleton.

Singleton, John C., Jr., Watchung, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Apparatus for burning waste liquor. 2,636,813, Apr. 28.

Singleton, Lester D., assignor to H. A. Hadley Associates, Inc., Burlington, Vt. Weighing scale. 2,659,593, Nov. 17.

Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Locking mechanism. 2,634,965, Apr. 14.

Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Tape connection. 2,634,967, Apr. 14.

Singleton, Lester D., Rutland, Vt., assignor to The Howe Scale Company. Weighing scale. 2,647,742, Aug. 4.

Singleton, William W., assignor to Trail-A-Boat Company, Pontiac, Mich. Detachable wheel unit for transporting boats. 2,637,567, May 5.

Sink, Robert L., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,648,008, Aug. 4.

Sink, Robert L., Altadena, assignor to Consolidated Engineering Corporation, Pasadena, Calif. Bridge circuit. 2,657,352, Oct. 27.

Sinko, John, and H. L. Miller, Chicago, Ill., assignors to Sinko Mfg. & Tool Co. Cigar lighter knob light. 2,630,539, Mar. 3.

Sinko Mfg. & Tool Co., assignee: *See*—
Sinko, John, and Miller.

Sinquefield, Charles A.: *See*—
Harris, Samuel A., and Sinquefield.

Siper S. A., assignee: *See*—
D'Ozouville, François.

Sipkin, George, Washington, D. C. Roller hatch beam. 2,625,128, Jan. 13.

Siple, Paul R., Arlington, Va. Body warmer. 2,648,325, Aug. 11.

Sippel, Theodore C., Rock Hill, S. C., assignor to Edinburgh Corporation, Laurinburg, N. C. Loop warp tension-variable beat-up apparatus for terry looms. 2,625,956, Jan. 20.

Siptrott, Helen M., New York, N. Y. Holder unit for alloy gauges and the like. 2,661,873, Dec. 8.

Siren, Andrew O., Calgary, Alberta, Canada. Germicide seed treating apparatus. 2,661,868, Dec. 8.

Sirko, Paul J., New Britain, Conn. Sine bar fixture. 2,649,785, Aug. 25.

Sirotak, Edward R.: *See*—
Davies, Robert H., and Sirotak.

Sirvis, Genrik S.: *See*—
Onia, John, and Sirvis.

Sisco, Carl W., Toledo, Ohio, assignor to Erie Mining Company, Hibbing, Minn. Ore treating furnace. 2,646,900, July 28.

Sisco, William E.: *See*—
Hill, Alfred G., Medcalf, and Sisco.

Sishc, Julius, Torrington, Wyo. Disk type potato vine cutter. 2,649,678, Aug. 25.

Sisnik, Ivan, assignor to The Palnut Company, Irvington, N. J. Tube mount. 2,643,839, June 30.

Sites, Benjamin L.: *See*—
Peyrebrune, Henri E., Pasquinelli, and Sites.

Sitton, Philip N., Dayton, Ohio. Adjustable wale construction for septic tank forms. 2,624,096, Jan. 6.

Sitzer, Philip, Irvington, assignor to Tung-Sol Electric Inc., Newark, N. J. Multiple strand thermal pull wire unit. 2,639,190, May 19.

Sitzer, Philip, Irvington, assignor to Tung-Sol Electric Inc., Newark, N. J. Electric control device. 2,639,345, May 19.

Sitzer, Philip, Irvington, N. J., assignor to Tung-Sol Electric Inc. Vane type thermal switch. 2,641,666, June 9.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Windshield wiper mechanism. 2,642,614, June 23.

Sivak, William, assignee: *See*—
Winch, Ronald.

Siverts, Edward C., Glendive, Mont. Roundabout amusement device. 2,659 601, Nov. 17.

Sivo, Walter, Georgetown, and H. S. Walendzik, Danbury, Conn., assignors, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Counter for coil winding machines. 2,662,693, Dec. 15.

Six, Willem, J. L. H. Jonker, and Z. Van Gelder, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Switching system using secondary emission type beam tubes. 2,662,177, Dec. 8.

Sizer, Albert W., Hessle, England. Extrusion machine for molding pellets and the like from plastic substances. 2,642,011, June 16.

Sjerslee, Maurice T., Braddock, N. Dak. Cushioning means for dump rakes. 2,663,135, Dec. 22.

Sjöblom, Eric A., assignor to E. G. Backman, Koping, Sweden. Sponge type mop with two-part hinged backing plate. 2,646,587, July 28.

Sjogren, Harry A., Wauwatosa, Wis. Cargo bracing means. 2,627,821, Feb. 10.

Sjogren, John K., Shrewsbury, assignor to Norton Company, Worcester, Mass. Firing silicon carbide ceramic products. 2,624,932, Jan. 13.

Sjökvist, Erik: *See*—
Thielers, Gustav, and Sjökvist.

Sjolander, John L., assignor to Cleveland Wire Spring Company, Cleveland, Ohio. Spring dampener. 2,650,086, Aug. 25.

Sjostrom, Robert L., Andover, Mass. Spool stripper. 2,641,821, June 16

Sjöström, Sture, Simrishamn, assignor to A B Svenska Skolästfabriken, Jarrestad, Sweden. Manufacturing shoe lasts. 2,651,339, Sept. 8.

Skaggs, Arthur G., assignor of one-half to A. M. Kuyudjian, Fresno, Calif. Moistening device for cotton harvesters. 2,650,462, Sept. 1.

Skaggs, Everett E.: *See*—
Skaggs, Robert P., and E. E.

Skaggs, Robert P., and E. E., Phoenix, Ariz. Adjustable stilts. 2,659,087, Nov. 17.

Skaika, David, New York, N. Y. Navigational aid device. 2,643,457, June 30.

Skalla, Norbert: *See*—
Lanser, Paul, and Skalla.

Skalmusky, Marvin F., Kimberly, C. H. Root, McKee, assignors to The Institute of Paper, Appleton, Wis. Testing sheet materials. July 21.

Skantze, Vincent J., Detroit, Mich. Teleph holder. 2,658,116, Nov. 3.

Skarbek, Walter A., Denver, Colo. Automatic 2,630,978, Mar. 10.

Skardal, Karl A., Stockholm, and O. B. Börjeso near Stockholm, Sweden. Apparatus for waste paper. 2,655,840, Oct. 20.

Skarin, Richard C.: *See*—
Klein, Chris, Skarin, and Tinker.

Skates, Charles D., and L. I. Skates, Rosel Stake pointer. 2,637,356, May 5.

Skates, Lucky I.: *See*—
Skates, Charles D., and L. I.

Skeats, Wilfred F.: *See*—
Olson, Arthur A., and Skeats.

Skeats, Wilfred F., Lansdowne, Pa., assignor Electric Company. Electric capacitor. Aug. 25.

Skeel, Lewis, assignor to R. W. Thomas, Me Locking device. 2,632,536, Mar. 24.

Skei, Thurston: *See*—
Detling, Kenneth D., and Skei.
Peterson, Walter H., and Skei.

Skelat, Irving, and S. B. McFarlane, Summit signors to Celanese Corporation of America ing polymerized methyl vinyl ketone. 2,62 27.

Skekleton, Joseph F., Easton, Pa., assignor Aniline & Film Corporation, New York, N. Y tion of a polyvinyl methyl ether. 2,653,923,

Skellenger, Sidney R.: *See*—
Backofen, E. Ryan, Dunham, and Skellen

Skellett, Albert M.: *See*—
Espenschied, Lloyd, and Skellett.

Skellett, Albert M., Madison, assignor to Nat Radio Corporation, Newark, N. J. Electroo lating system. 2,639,401, May 19.

Skelly, James J., Lakewood, assignor of one-h Davison, Cleveland, Ohio. Band clamp. Apr. 21.

Skelly, Joseph F., New York, N. Y., assignor to Kellogg Company, Jersey City, N. J. Pre olefin oxides. 2,649,463, Aug. 18.

Skelton, Jack A., assignor to Southern Mill lanta, Ga. Fastening means for ironer 2,641,824. June 16.

Skelton, Russell R.: *See*—
Charles, T. Burr, and Skelton.

Skelton, William E.: *See*—
Arnold, George B., Hess, and Skelton.
Arnold, George B., Hess, Skelton, and Ov
Hess, Howard V., Arnold, Skelton, and O
Kirsch, Howard A., Skelton, and Overbau

Skelton, William E., and H. V. Hess, Beaco nold, Glenham, and B. L. Mahan, Beacon, The Texas Company, New York, N. Y. S wax constituents and the like from oil. Dec. 1.

Sketchley, Harry J., Los Angeles, Calif. Co ing machine. 2,659,540, Nov. 17.

Skeuse, Thomas J., Wilmington, A. C. Jen Moor, and W. E. Haught, Wilmington, De to Allied Chemical & Dye Corporation, New Material loading device. 2,660,394, Nov. 24

Skewis, William H., Los Angeles, Calif. Valve June 23.

Skidmore, Frank: *See*—
Gordon, Cecil, and Skidmore.

Skidmore, James R.: *See*—
McMaster, Elmer L., Wheaton, and Skid

Skilling, Edwin E., assignor to International ration, Chula Vista, Calif. Sleeve extractor Feb. 17.

Skillman, Claude T., and M. Kistner, Santa Hubcap with locking means. 2,659,229, N

Skillman, Claude T., and M. Kistner, Santa Card shuffling device. 2,659,607, Nov. 17.

Skillman, Edward, assignor to The J. B. Ehr Manufacturing Co., Enterprise, Kans. Mac erating intermittently upon and in synchro continuously flowing stream of material. Mar. 24.

Skillman, Paul, New Kensington, assignor, b signments, to Blaw-Knox Company, Pitt Pressure lubricating system. 2,649,318, A

Skillman, Thomas S., Mosman, near Sydney, Wales, assignor to Punch Engineering P Cammeray, near Sydney, New South Wale Stock distributing system. 2,627,941, Feb

Skillman, Thomas S., Mosman, near Sydney, Wales, assignor to Punch Engineering P Cammeray, near Sydney, New South Wale Conveyor system. 2,627,967, Feb. 10.

Skillman, Thomas S., Mosman, near Sydney, Punch Engineering Pty. Limited, Cammera ney, New South Wales, Australia. Articl system. 2,657,858, Nov. 3.

Skillman, Thomas S., Mosman, near Sydney, New South Wales, assignor to Punch Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Article vending system. 2,663,398, Dec. 22.

Skillman, Thomas S., Mosman, near Sydney, and P. L. Law, Roseville, near Sydney, assignors to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Article dispensing system. 2,652,301, Sept. 15.

Skinner, Asa W., Riverdale, assignor to Whiting Corporation, Harvey, Ill. Crossover bridge and operating mechanism. 2,652,783, Sept. 22.

Skinner, B. C., assignee: *See*—
Moser, Robert C.

Skinner, B. L., assignee: *See*—
Moser, Robert C.

Skinner, Bronson C., Dunedin, Fla., assignor to Clinton Foods Inc., New York, N. Y. Steam heating circulation system. 2,639,861, May 26.

Skinner, Bronson C., Dunedin, Fla., assignor to Clinton Foods Inc., New York, N. Y. Subjecting discrete units of solid materials to treatment by gaseous mediums. 2,654,734, Oct. 6.

Skinner, Clarence: *See*—
Jackson, Bernard, William, George, and Skinner.

Skinner Engine Co., assignee: *See*—
Mueller, Herman G.

Skinner, Floyd H., Parkchester, assignor to Combustion Engineering, Inc., New York, N. Y. Pressure drum manhole cover and internal support therefor. 2,657,823, Nov. 3.

Skinner, Hazel B., assignee: *See*—
Bletcher, Ralph E., and Bentley.
Lynch, Leslie.

Skinner Irrigation Company, The, assignee: *See*—
Coles, Walter H.

Skinner, Jacques B., assignee: *See*—
Moser, Robert C.

Skinner, Jimmie E.: *See*—
Silverman, Daniel, Newton, and Skinner.

Skinner, Lawrence W., assignee: *See*—
Petch, Howard D.

Skinner-Moser Manufacturers, assignee: *See*—
Moser, Robert C.

Skinner, Ralph L., Detroit, Mich. Oil control means for poppet valve internal-combustion engines. 2,639,703, May 26.

Skinner, Ralph L., Detroit, Mich. Oil-control means for slide valve internal-combustion engines. 2,641,241, June 9.

Skinner, Robert E., Fairview Park, and G. H. McIntyre, Cleveland Heights, Ohio, assignors to Ferro Corporation. Apparatus for producing porcelain enamel. 2,640,859, June 2.

Skinner, Robert S., Birmingham, Ala. Water bicycle. 2,663,278, Dec. 22.

Skinner, Roberts K., West Hartford, Conn. Bolt anchor with spring rotation preventing means. 2,661,649, Dec. 8.

Skinner, Roland W., Long Branch, Ontario, and A. G. Frampton, Toronto, Ontario, assignors to A. V. Roe Canada Limited, Malton, Ontario, Canada. Sheet metal bending brake. 2,638,141, May 12.

Skipper, Edward M., and F. A. Rose, Baltimore, Md., assignors to General Electric Company. Method and apparatus for forming ceramic bodies. 2,632,936, Mar. 31.

Skipper, Harry C.: *See*—
Huber, Clyde L., and Skipper.

Skirment, Albert, Rochester, N. Y. Baffle for watch cleaning machines. 2,638,105, May 12.

Skiver, Omar K.: *See*—
Bucher, Leon R., and Skiver.

Skivesen, Kristian, Flourtown, assignor to Selas Corporation of America, Philadelphia, Pa. Roll seal. 2,654,587, Oct. 6.

Sklar, Carol A., executrix: *See*—
Levenstein, Isrnel

Sklar, Nathan R., Chicago, Ill. Latching and releasing means. 2,637,931, May 12.

Sklarek, Clifford, Los Angeles, Calif. Position control means and switch for dirigibly mounted spotlight. 2,634,364, Apr. 7.

Sklenar, Lester J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener support. 2,657,894, Nov. 3.

Sklenar, Lester J., assignor to Illinois Tool Works, Chicago, Ill. Key member to prevent accidental release of a fluorescent tube from its socket. 2,661,462, Dec. 1.

Skoda Works, National Corporation, assignee: *See*—
Basus, Jiff.
Fellmann, Rudolf.

Skog, Henry A.: *See*—
Ewald, Raymond L., and Skog.

Skogen, Charles S., Excelsior, Minn. Collapsible ice fishing shelter. 2,632,454, Mar. 24.

Skoglund, Bertil J.: *See*—
Doering, Charles and H. H., and Skoglund.

Skole, Viggo, and H. C. Anderson, Naerum, near Copenhagen, Denmark. Stocking and making. 2,648,210, Aug. 11.

Skoller, Marvin, Los Angeles, Calif., assignor to Hughes Tool Company, Houston, Tex. Flight hazard warning system. 2,631,277, Mar. 10.

Skolmen, Torger, G. G. Roberts, and J. G. Euson, Seattle, Wash.; said Skolmen assignor to said Roberts and said Euson, jointly. Flexible ship ladder. 2,638,260, May 12.

Skolnikoff, Eugene B., Wembley, England, assignor to General Electric Company. Hybrid circuits. 2,657,280, Oct. 27.

Skoog, Folke, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Induction of bud formation in plant tissues. 2,653,087, Sept. 22.

Skorr, Elmer S., Colman, S. Dak. Fishing rod mount and actuator. 2,657,492, Nov. 3.

Skorup, Gordon E.: *See*—
Tourshou, Simeon I., and Skorup.

Skousgaard, Elmer C., Rochester, N. Y. Portable flame thrower. 2,631,581, Mar. 17.

Skovera, John, Chicago, Ill. Geared pulley. 2,631,474, Mar. 17.

Skow, Ross E., assignor to Berkley Machine Company, Kansas City, Mo. Key insignia printer. 2,625,102, Jan. 13.

Skow, Ross E., assignor to Walbert Machine Company, Kansas City, Mo. Press for printing individual workpieces such as envelopes. 2,635,538, Apr. 21.

Skrebba, Johannes, Lahr (Schwarzwald), Germany, assignor to C. I. Tager, New York, N. Y. Supply stand for adhesive strip material. 2,649,256, Aug. 18.

Skreberg, Hans, Big Bend Township, Chippewa County, Minn. Electric grinder. 2,636,323, Apr. 28.

Skreberg, Hans, Milan, Minn. Stairway for corn pickers. 2,634,989, Apr. 14.

Skriba, Rudolph A.: *See*—
Littell, Frederick M., and Skriba.

Skrotzki, Frederick H., Brooklyn, N. Y., assignor to National Inventions Corporation. Lighting system and apparatus. 2,637,833, May 5.

Skutt, Cornelius R.: *See*—
Skutt, Ralph W., and C. R.

Skutt, Ralph W., and C. R., Olympia, Wash. Flushing valve mechanism. 2,636,184, Apr. 28.

Skuttle Manufacturing Company, assignee: *See*—
Bottum, Edward W.

Skwark, Marion E., Binghamton, N. Y. Venetian blind cover. 2,651,357, Sept. 8.

Skwark, Marion E., Binghamton, N. Y. Venetian blind cover. 2,653,657, Sept. 29.

Skweir, Eugene A., McAdoo, Pa., assignor to American Car and Foundry Company, New York, N. Y. Balanced valve. 2,630,292, Mar. 3.

Slack, Alfred W., Plainfield, and R. A. Snyder, Gillette Heights, assignors to Worthington Corporation, Harrison, N. J. Batch meter for concrete mixing apparatus. 2,655,355, Oct. 13.

Slack, Charles M.: *See*—
Pask, Joseph A., and Slack.

Slack, Frederic W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wheel structure. 2,640,728, June 2.

Slack, Frederick F., Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Stable delay circuit. 2,656,462, Oct. 20.

Slack, Newman F., Philadelphia, Pa. Watchmaker's tool. 2,656,741, Oct. 27.

Slade, Bernard N.: *See*—
Nelson, Herbert, and Slade.

Slade, Bernard N., Morristown, N. J., assignor to Radio Corporation of America. Point electrode for semiconductor devices. 2,641,639, June 9.

Slade, Martin A., Jr., and R. D. Gerwe, Lakeland, Fla., assignors to Food Machinery and Chemical Corporation, San Jose, Calif. Methods and compositions for controlling stem end decay of citrus fruits. Re. 23,762, Dec. 29.

Sladky, Joseph F.: *See*—
Wahlberg, Nils E., and Sladky.

Slagh, Harold R., assignor to The Dow Chemical Company, Midland, Mich. Production of monobromonitromethane. 2,632,776, Mar. 24.

Slaght, William W.: *See*—
Smith, William J., and Slaght.

Slater, John M.: *See*—
Mullins, William D., Jr., West, Slater, and Perkins.
Tauscher, Vernon A., Slater, and Emmi.

Slater, John M., Garden City, N. Y., assignor to The Sperry Coporation. Acceleration correction of gyroverticals. 2,630,017, Mar. 3.

Slater, John M., Garden City, N. Y., and W. Wrigley, Wollaston, Mass., assignors to The Sperry Corporation. Flight control system. 2,649,264, Aug. 18.

Slater, John M., Inglewood, R. M. Benson, Buena Park, and D. L. Freebairn, Southgate, Calif., assignors to North American Aviation, Inc. Gyroscope. 2,649,808, Aug. 25.

Slater, N., Company Limited, assignee: *See*—
Milne, Winford G., and Jones.
Ridgers, Frederick G.

Slater, Raymond E., New Rochelle, assignor of one-half to W. J. Warburton Associates, Inc., New York, N. Y. Fishing reel. 2,628,041, Feb. 10.

Slater, Raymond W., Pawtucket, R. I. Telescoping and adjustable crutch. 2,630,128, Mar. 3.

Slater, S., and Son, assignee: *See*—
Slater, Sam.

Slater, Sam, assignor to S. Slater and Son, San Francisco, Calif. Leather jacket sleeve. 2,659,894, Nov. 24.

Slater, Willard F., San Marino, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Cleveland, Ohio. Pump with inlet strainer. 2,646,752, July 28.

Slater, Wilmer T.: *See*—
Biscoe, Percival H., and Slater.

Slatkin, Alfred D., Birmingham, assignor to Moth-King Corporation, Detroit, Mich. Thermostatic switch. 2,656,441, Oct. 20.

Slatter, Brian H., and T. G. Dalsh, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Control for constant-speed, variable-pitch propellers. 2,628,684, Feb. 17.

Slattery, Edward J., Montgomery County, Md. Expansible cabinet. 2,628,145, Feb. 10.

Slattery, Remigius J., Tulsa, Okla. Pencil pointer cup. 2,653,576, Sept. 29.

Slattery, Thomas P., assignee: *See*—
Conradson, Prentice H.

Slaughter, Bernard J., Jr., assignor to The Crane & Breed Casket Company, Cincinnati, Ohio. Sealing gasket. 2,661,229, Dec. 1.

Slaughter, Charles E., New Canaan, Conn., assignor to Extruded Plastics, Inc. Making plastic articles. 2,657,431, Nov. 3.

Slaughter, Charles E., New Canaan, Conn., assignor to Extruded Plastics, Inc. Machine for making tubular containers. 2,661,790, Dec. 8.

Slaughter, Charles E., New Canaan, Conn., assignor to Extruded Plastics, Inc. Extrusion of thermoplastics. 2,663,904, Dec. 29.

Slaughter, Gibbs, M.: *See*—
Cushing, Ivan E., and Slaughter.

Slaughter, Philip H., Columbus, Ga. Yarn tube. 2,633,729, Apr. 7.

Slavin, Morris, East Setauket, N. Y., M. H. Fletcher, Alexandria, Va., and I. May, Washington, D. C., assignors to United States of America as represented by the United States Atomic Energy Commission. Transmission fluorimeter. 2,663,801, Dec. 22.

Slaybaugh, Elmer H., Parsons, Kans. Effervescent barium sulfate-pectin X-ray contrast composition. 2,659,690, Nov. 17.

Slaymaker, Frank H.: *See*—
Meeker, Willard F., and Slaymaker.

Slaymaker, Frank H., and W. F. Meeker, Rochester, N. Y., assignors to Stromberg-Carlson Company. Damping means for tone generators. 2,655,070, Oct. 13.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for forming glass fiber mats. 2,653,416, Sept. 29.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Producing tubing. 2,653,887, Sept. 29.

Slayter, Games, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Producing an open mesh fabric of glass fibers. 2,664,375, Dec. 29.

Slayter, Games, and Ed Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Apparatus for fabricating strands, cords, tubes, and the like. 2,664,138, Dec. 29.

Slayter, Games, and Ed Fletcher, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Fabricating strands, cords, tubes, and the like. 2,664,374, Dec. 29.

Sleeger, George F., York, Pa. Signal indicator for fishing lines. 2,643,371, June 23.

Sleeper, George E., Jr., Berkeley, assignor to Color Television, Inc., San Francisco, Calif. Multicolor television. 2,653,182, Sept. 22.

Slegten, Jean A., Brussels, Belgium. Air swept tube mill with pocketed liner structure for automatic classification of grinding bodies and ground material. 2,661,908, Dec. 8.

Slencil Co., The, assignee: *See*—
Harris, Carl C., and Newton.

Slentz, Louis A. C.: *See*—
Baney, Harry N., Slentz, and Kirkpatrick.

Slettengren, Anders I. K., assignor, by mesne assignments, to Aktiebolaget Svetsmekano, Goteborg, Sweden. Tool holder, particularly for sheet-metal working machines. 2,658,574, Nov. 10.

Sletzinger, Meyer, Forest Hills, N. Y., and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Resolution of isoamidone with (L+)p-nitrobenzoylglutamic acid. 2,625,564, Jan. 13.

Sletzinger, Meyer, Forest Hills, N. Y., and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Methyl chlorpropyl formamide. 2,648,709, Aug. 21.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Light sensitive diazotype materials containing tetrazo diphenyl compounds. 2,632,703, Mar. 24.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Antidiffusion diazotypes having tetrazo diphenyls as the light sensitive agent. 2,661,291, Dec. 1.

Slifkin, Sam C., Holyoke, Mass., assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype photoprinting process. 2,655,448, Oct. 13.

Slightam, Paul E., Chicago, Ill. assignor to Ger
Inc. Selective assembler and carton filler.
Mar. 10.

Slinkman, Edward R., Baltimore, Md. Plant-r
2,635,001, Apr. 14.

Slizus, Joseph, Seattle, Wash. Pneumatic bo
2,653,319, Sept. 29.

Sloan, David H., Berkeley, Calif., assignor to
Corporation, New York, N. Y. Microwa
2,641,734, June 9.

Sloan, David H., Berkeley, Calif., assignor to
Corporation, New York, N. Y. High-frequency
2,653,273, Sept. 22.

Sloan, Donald D., Newton, assignor to Denni
facturing Company, Framingham, Mass. Ap
ment tags. 2,646,567, July 28.

Sloan, Donald D., Weston, assignor to Denni
facturing Company, Framingham, Mass. M
printing price tickets and other articles.
Apr. 7.

Sloan, Frederick J., Charleston, W. Va. Aut
draulic safety valve. 2,629,398, Feb. 24.

Sloan, Harry, Brookfield, and E. J. Kocher, a
The Vilter Manufacturing Co., Milwaukee, W
refrigerant transfer in refrigeration system.
Oct. 13.

Sloan, Harry E., assignor to The Cushman C
pany, Hartford, Conn. Speed-controlled act
vice. 2,639,135, May 19.

Sloan, Harry E., assignor to The Cushman C
pany, Hartford, Conn. Chuck. 2,657,068, Oc

Sloan, Jervis H., St. Louis, and M. H. Gilkerso
field, Mo. Shoe with insole exposable
2,654,965, Oct. 13.

Sloan, John F.: *See*—
Lincoln, Clovis W., Zeigler, Verbrugge, and

Sloan, John I., deceased, Tulsa, Okla., P. Sloan
assignor to P. Sloan. Apparatus for accele
removal of cuttings from the bottom
2,634,101, Apr. 7.

Sloan, Lon, South Pasadena, Calif. Clutch.
Jan. 27.

Sloan, Pearl, executrix, assignee: *See*—
Sloan, John L.

Sloan, Stephen A., Darien, Conn., assignor
Engineering Corporation, New York, N.
throat. 2,647,568, Aug. 4.

Sloan Valve Company, assignee: *See*—
Fillilung, Jacques J.
Russell, Irving H.

Sloan, Virginia G., Springfield, Ill. Adjustable
device for sanitary napkins and the like.
July 14.

Sloane-Blabon Corporation, assignee: *See*—
Dobry, Joseph F.
McBride, Eugene B.

Sloane, William W., assignor to Goodman Ma
Company, Chicago, Ill. Extensible shake
2,631,719, Mar. 17.

Sloane, William W., assignor to Goodman Ma
Company, Chicago, Ill. Self-loading device
conveyers. 2,652,144, Sept. 15.

Sloane, William W., assignor to Goodman Ma
Company, Chicago, Ill. Idler roller assemb
conveyers. 2,653,700, Sept. 29.

Slobin, David N., Brooklyn, N. Y. Caulking g
taching means for replaceable carton. 2,62
24.

Slocombe, Robert J.: *See*—
Wesp, George L., and Slocombe.

Slocombe, Robert J., Dayton, and G. L. Wesp,
Ohio, assignors to Monsanto Chemical Co
Louis, Mo. Stabilized acrylonitrile polymers.
Dec. 1.

Slocombe, Robert J., Dayton, and G. L. Wesp,
Ohio, assignors to Monsanto Chemical Co
Louis, Mo. Stabilized acrylonitrile polymers.
Dec. 1.

Slocombe, Robert J., Dayton, and G. L. Wesp,
Ohio, assignors to Monsanto Chemical Co
Louis, Mo. Stabilized acrylonitrile polymers.
Dec. 1.

Sloman, Arthur R., Burnie, Tasmania, assign
ciated Pulp and Paper Mills Limited, Melb
toria, Australia. Two-stage pulping process.
May 26.

Slomer, Joseph J., assignor to Goodman Ma
Company, Chicago, Ill. Hydraulic pov
2,632,424, Mar. 24.

Slomer, Joseph J., assignor to Goodman Ma
Company, Chicago, Ill. By-pass valve.
Mar. 24.

Slomer, Joseph J., assignor to Goodman Ma
Company, Chicago, Ill. Feed control for hy
tors. 2,649,688, Aug. 25.

Slomer, Joseph J., assignor to Goodman Ma
Company, Chicago, Ill. Mine haulag
2,649,980, Aug. 25.

Slomer, Joseph J., assignor to Goodman Ma
Company, Chicago, Ill. Unloading valve fo
sure systems. 2,661,755, Dec. 8.

Slomin, George W.: *See*—
Calderon, Edwin R., and Slomin.

Slominski, William L.: *See*—
Tanko, Kalman, and Slominski.
Slomp, George, Jr., assignor to The Upjohn Company, Kalamazoo, Mich. Steroid cyanohydrins. 2,655,517, Oct. 13.
Slonek, Frank G., Chicago, assignor to H. C. Hvid, Wilmette, Ill. Dry shaver. 2,645,847, July 21.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Ticket printing mechanism. 2,625,103, Jan. 13.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Movable counter top. 2,626,850, Jan. 27.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism. 2,628,537, Feb. 17.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Sales book holder. 2,628,878, Feb. 17.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Coin till. 2,636,595, Apr. 28.
Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Engine crankcase and filler device. 2,638,076, May 12.
Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Engine rocker arm mechanism. 2,641,235, June 9.
Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Compression relieving starting device for internal-combustion engines. 2,648,321, Aug. 11.
Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Internal-combustion engine lubricating system. 2,648,400, Aug. 11.
Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Engine filter. 2,650,712, Sept. 1.
Slonneger, John C., assignor to The Continental Supply Company Dallas, Tex. Means for controlling hoists and winches. 2,657,011, Oct. 27.
Slonneger, John L., Morrison, Ill., assignor to General Electric Company. Condition responsive electric switch mechanism. 2,651,692, Sept. 8.
Sloofman, Alvin B.: *See*—
Moore, Alberta B., and Sloofman.
Slopa, George W., assignee: *See*—
Slopa, Robert E.
Slopa, George W. and R. E., Chicago, Ill. Adjustable door closing device. 2,651,074, Sept. 8.
Slopa, George W. and R. E., Chicago, Ill. Refrigerator door construction. 2,652,601, Sept. 22.
Slopa, Robert E.: *See*—
Slopa, George W. and R. E.
Slopa, Robert E., assignor of one-half to G. W. Slopa, Chicago, Ill. Adjustable spring caster door support. 2,627,081, Feb. 3.
Slopa, Robert E., assignor of one-half to G. W. Slopa, Chicago, Ill. Yieldable overlap hinge. 2,629,892, Mar. 3.
Slopa, Robert E., assignor of one-half to G. W. Slopa, Chicago, Ill. Yieldable adjustable hinge. 2,629,893, Mar. 3.
Slotta, Karl H., and J. Jager, Sao Paulo, Brazil. Preparation of bile acids from bile. 2,632,764, Mar. 24.
Slotter, Richard L., Peoria, Ill., and J. A. Delap, Bartlesville, Okla., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of undevitalized wheat gluten. 2,631,379, Mar. 17.
Slough, Frank M., Lakewood, assignor to The General Industries Company, Elyria, Ohio. Plural speed friction drive transmission for phonograph turntables. 2,646,688, July 28.
Slovin, David G., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Ribbon rubber thread splitter. 2,654,936, Oct. 13.
Slowey, Herbert J., Portage, Wis. Headrest for vehicles. 2,642,124, June 16.
Sloyan, Jerome J., New Rochelle, N. Y. Support for movably mounting mechanisms such as motors. 2,646,951, July 28.
Sloyer, Harold W.: *See*—
Ross, John F., and Sloyer.
Sluijter, Henry, Rotterdam, Netherlands. Apparatus for closing off the urethra of women. 2,649,086, Aug. 18.
Slusher, Frank, Carpinteria, Calif. Cement applicator. 2,636,214, Apr. 28.
Slutz, Ralph J.: *See*—
Martin, William L., Slutz, and Senf.
Slyngstad, Jon O., Aalesund, Norway. Conveyer system for restaurants. 2,649,931, Aug. 25.
Slyter, George W., & Sons, Inc., assignee: *See*—
Slyter, Louis R., and Maule.
Slyter, Louis R., and T. C. Maule, assignors to George W. Slyter & Sons, Inc., Tacoma, Wash. Swivel. 2,648,579, Aug. 11.
Slyter, Louis R., and T. C. Maule, Tacoma, Wash. Combination rocking and swiveling chair. 2,625,983, Jan. 20.
Smack, John C., White Plains, N. Y., assignor to Sperry Products, Inc., Danbury, Conn. Ultrasonic beam shaping device. 2,657,319, Oct. 27.
Smal, Gilles, Herstal, Belgium. Machine for the shaping of metal pieces, more particularly of saw teeth. 2,662,424, Dec. 15.
Smal, Gilles, Herstal, Belgium. Manufacture of saw segments. 2,662,427, Dec. 15.
Smale, Stanley W., Toledo, Ohio. Magnetic sweeper. 2,629,495, Feb. 24.
Small, Edward I.: *See*—
Mulcey, Paul A., Eckerd, and Small.
Small, Elmer C., Neodesha, Kans., assignor, by mesne assignments, to Archer-Daniels Midland Company. Material feeder for dehydrators. 2,624,447, Jan. 6.
Small, Everett T., Los Angeles, Calif. Scarifier tooth attachment for bulldozers. 2,654,967, Oct. 13.
Small, Floyd I., Sacramento, Calif. Holder for safety razors. 2,635,843, Apr. 21.
Small, Ian H., assignor to Eli Lilly and Company, Indianapolis, Ind. Stop device. 2,638,197, May 12.
Small, John E., Connellsville, Pa. Magnetic toy vehicle. 2,630,765, Mar. 10.
Small, Kenneth W., Independence, Mo. Steering wheel microphone. 2,644,858, July 7.
Small, Leslie C., Jr.: *See*—
Hasbrouck, John S., and Small.
Small Turbine Corporation, assignee: *See*—
Grafani, Leon B., and Chebot.
Smallegan, Marvin L., assignor to Automatic Poultry Feeder Company, Zeeland, Mich. Sectional water trough. 2,626,724, Jan. 27.
Smallegan, Marvin L., assignor to Automatic Poultry Feeder Company, Zeeland, Mich. Feed leveler. 2,646,024, July 21.
Smallen, Philip, Brooklyn, assignor of one-half to A. Friedman, New York, N. Y. Toilet tissue cover. 2,649,255, Aug. 18.
Smaller, Bernard, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse equalizer. 2,636,118, Apr. 21.
Smalley, Burt M., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Insulator support. 2,628,805, Feb. 17.
Smalley, Burton M., assignor to Joslyn Mfg. and Supply Co., Chicago, Ill. Secondary rack. 2,657,889, Nov. 3.
Smalley, Daniel F., Battle Creek, Mich. Rotary block game apparatus. 2,628,838, Feb. 17.
Smalley, Harold R.: *See*—
Warner, Ralph, and Smalley.
Smalley, Oliver, Larchmont, N. Y., assignor to Mechanite Metal Corporation. Lithium modified magnesium treatment of cast iron. 2,625,473, Jan. 13.
Smalley, Oliver, Larchmont, N. Y., assignor to Mechanite Metal Corporation. Lithium treated cast iron. 2,661,283, Dec. 1.
Smalline, Harry, North Hollywood, Calif. Pipe union. 2,628,111, Feb. 10.
Smallwood, John L., Levelland, Tex. Rock catcher. 2,656,572, Oct. 27.
Smart, Dorothy D., Highland Park, Ill. Variable volume baking device. 2,663,449, Dec. 22.
Smead Manufacturing Company, The, assignee: *See*—
Hoffman, Harold J.
Smeby, Lynne C., Washington, D. C. Radio antenna. 2,647,211, July 28.
Smedley, Homer L.: *See*—
Wilson, Charles C., and Smedley.
Smeed, Jach H., Caldwell, Idaho. Land leveler. 2,624,133, Jan. 6.
Smejda, Richard, Vienna, Austria. Process and apparatus for use in preparing color sets for shadded tones printing 2,655,752, Oct. 20.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Making reinforced suction cleaner hose. 2,630,157, Mar. 3.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaning tool having an air pressure actuated nozzle area varying means. 2,658,229, Nov. 10.
Smeltzer, Raymond F., R. B. Edwards, R. C. Baker, Jr., and S. D. Burton, Baltimore, assignors to Bendix Aviation Corporation, Towson, Md. Squelch circuit. 2,652,488, Sept. 15.
Smereck, Arthur, assignor to Product Development Engineering Research and Promotion Corporation, Detroit, Mich. Cigarette and cigar holder for automobile ash trays. 2,633,853, Apr. 7.
Smereck, Arthur, assignor to Product Development Engineering Research and Promotion Corporation, Detroit, Mich. Cigarette holder for automobile ash trays. 2,639,719, May 26.
Smereck, Arthur, assignor to Product Development Engineering Research and Promotion Corporation, Detroit, Mich. Ash receptacle for vehicles. 2,657,002, Oct. 27.
Smialowski, Antoni J., assignor to National Research Council, Ottawa, Ontario, Canada. Variable area discharge nozzle for jet engines. 2,658,333, Nov. 10.
Smid, James, and M. Smith, Cleveland, and F. A. Leskovec, Geneva, Ohio, assignors, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Tower vehicle. 2,647,022, July 28.
Smidth, F. L., & Co., assignee: *See*—
Hellmann, Thorbjorn.
Vogel-Jorgensen, Mikael.
Smidth, F. S., & Co., assignee: *See*—
Ahlmann, Nikolai.

Smiley, Lloyd D.: *See*—
Shelton, Harry J., Jr., and Smiley.
Smiley, Lowell E., Lorain, Ohio. Extensible rule. 2,642,667, June 23.
Smiley, William O.: *See*—
Frisbie, Stewart E., Smiley, and Frommer.
Smiley, Yale H., Kitchener, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Apparatus for pressing laminated materials. 2,651,062, Sept. 8.
Smisko, Paul: *See*—
Diehl, John E., and Smisko.
Smith, A. O., Corporation, assignee: *See*—
Anderson, Perry.
Andrus, Orrin E.
Blatz, Albert V.
Buehner, Howard A.
Carlson, Arthur W.
Ewart, John C.
Gruetjen, Frederick A.
Hartquist, Donald E.
Heath, William C.
Kroll, John A., and Smith.
Kuebler, Walter A.
Leupold, Glenn W.
Martin, Wesley G.
Rech, Robert H.
Robinson, Horace M.
Schiefelbein, Walter M.
Sherman, Donald W.
Tiedemann, Julius B.
Zerbe, Frederick K.
Smith, Alan D. F.: *See*—
McCarthy, Denis, and Smith.
Smith, Albert A., Jr., Metuchen, and J. L. Everhart, Linden, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Cadmium-free low fusing point alloy. 2,649,367, Aug. 18.
Smith, Albert A., Jr., Metuchen, and J. L. Everhart, Linden, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Indium-bismuth-tin alloy. 2,649,368, Aug. 18.
Smith, Albert A., Jr., Metuchen, and J. L. Everhart, Linden, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Indium-bismuth-lead alloy. 2,649,369, Aug. 18.
Smith, Albert A., Jr., Metuchen, and J. L. Everhart, Linden, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Indium-bismuth-lead alloy. 2,649,370, Aug. 18.
Smith, Albert C., Jr., Wilkes-Barre, Pa., assignor by mesne assignments, to A. Gusmer Inc., Hoboken, N. J. Flow directing baffle for reducing the turbulence of flow of fluid entering a space from a circuit. 2,636,512, Apr. 28.
Smith, Albert P., Ava, assignor, by mesne assignments, to Barker Saw Company, Springfield, Mo. Manually-portable circular saw. 2,635,650, Apr. 21.
Smith, Albert W., Kenmore, N. Y. Regulator responsive to the electrical conductivity of a solution. 2,626,620, Jan. 27.
Smith, Alexander: *See*—
Smith, Lucius N. and A.
Smith, Alexander G.: *See*—
Everhart, Edgar, Herlin, and A. G. and W. V. Smith.
Smith, Alexander, Incorporated, assignee: *See*—
Jackson, Robert J.
Mersereau, Emory P.
Mersereau, Emory P., Jr., and Wetherill.
Miller, Philip.
Plan, Julius H.
Runton, Leslie A.
Smith, Allan K.: *See*—
Belter, Paul A., Smith, Deobald, Singer, and Beckel.
Smith, Allen E.: *See*—
O'Brien, George E., Bornmann, and Smith.
Smith, Alonzo L., Houston, Tex. Drilling rate indicating device. 2,628,498, Feb. 17.
Smith, Alonzo L., Houston, Tex. Means for separating gas from drilling muds and analyzing same. 2,636,569, Apr. 28.
Smith, Alonzo L., Houston, Tex. Core analysis. 2,641,922, June 16.
Smith, Alonzo L., Houston, Tex. Inside blowout preventer. 2,647,728, Aug. 4.
Smith, Alvin R.: *See*—
Browder, John G., and Smith.
Smith, Archie E., Stratford, Conn., assignor to General Electric Company. Actuating mechanism for automatic electric toasters and the like. 2,655,860, Oct. 20.
Smith, Arthur D., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, Oakland, Calif. Receptacle dumping apparatus. 2,626,071, Jan. 20.
Smith, Arthur E., Los Angeles, Calif. Receptacle closure. 2,642,870, June 23.
Smith, Arthur E., Los Angeles, Calif. Container closure. 2,653,609, Sept. 29.
Smith, Arthur E., Los Angeles, Calif. Dispensing closure. 2,653,610, Sept. 29.
Smith, Arthur E., Los Angeles, Calif. Closure. 2,653,611, Sept. 29.
Smith, Arthur E., Los Angeles, Calif. Closure. 2,659,370, Nov. 17.
Smith, Arthur F.: *See*—
Cunningham, James M., and Smith.
Smith, Arthur F., Trenton, N. J. Mount f
hitches. 2,646,289, July 21.
Smith, Arthur F., Webster, N. Y. Blood cont
making the same. 2,642,866, June 23.
Smith, Arthur L., La Jolla, Calif. Applying ink
to a rubber article using an image reprodu
2,627,485. Feb. 3.
Smith, Arthur L., La Jolla, Calif. Applying ink
to a rubber balloon. 2,627,486, Feb. 3.
Smith, Arthur L., La Jolla, and E. E. Kru
Krueger assignor to Lee-Tex Rubber Product
tion of California, Inc., Los Angeles, Calif.
for automatically transferring indicia from
face to another. 2,645,870, July 21.
Smith, Arthur J., Lancaster, Pa., assignor
Corporation of America. Zinc-magnesium o
nescent materials and making same. 2,628,20
Smith, Arthur V., assignee: *See*—
Barr, George.
Smith, Benjamin F., Lamont, assignor to Electr
Machine Company, Grand Rapids, Mich.
conveyer system. 2,634,170, Apr. 7.
Smith, Bernard W., Winston-Salem, N. C., a
Western Electric Company, Incorporated,
N. Y. Corona free multiplier. 2,642,513, J
Smith, Blanchard D., and D. R. Berry, Atl
assignors to Scripto, Inc. Writing i
2,660,151, Nov. 24.
Smith, Burton F. B., Madison, N. J. Direct cur
former. 2,631,249, Mar. 10.
Smith Cannery Machines Company, assignee: A
Oates, Norford L.
Smith, Carl H., Jr.: *See*—
Hoeppner, Conrad H., and Smith.
Smith, Cecil H.: *See*—
Weaver, Alexander E., and Smith.
Smith, Charles B., Portland, assignor to Unite
Corporation, East Hartford, Conn. Mass flo
ing device. 2,632,327, Mar. 24.
Smith, Charles C.: *See*—
Borngesser, Otto J., Bradshaw, and Smith
Smith, Charles C., assignor to Stubnitz-Gree
Corporation, Adrian, Mich. Machine for cr
bottom coils of coil springs. 2,646,086, Jul
Smith, Charles C., assignor to Smithco, Inc.,
Refrigerated dispenser. 2,638,395, May 12.
Smith, Charles D. J., assignee: *See*—
Cooke, Robert L.
Smith, Charles E.: *See*—
Neely, William H., Sandor, and Smith.
Neely, William H., and Smith.
Smith, Charles F., Forest Park, Ill. Piano
2,634,648, Apr. 14.
Smith, Charles F., Fort Worth, Tex. Guitarist'
2,647,429, Aug. 4.
Smith, Charles G., assignee: *See*—
Decker, Roy L.
Smith, Charles H., Bognor Regis, and P. S.
Littlehampton, assignors to Flight Refuelin
London, England. Apparatus for transferrin
other liquids from one aircraft to another
2,634,927, Apr. 14.
Smith, Charles S.: *See*—
Frerer, Paul G., and Smith.
Smith, Charles W.: *See*—
Wayland, Edwin M., and Smith.
Smith, Chauncey W., and M. F. Arms, Linc
assignors, by mesne assignments, to Researc
tion, New York, N. Y. Seed harvester hav
stripping means. 2,656,667, Oct. 27.
Smith, Clara D., Columbus, Ohio, assignor t
Oil Development Company. Characterizing
bon mixtures. 2,648,010, Aug. 4.
Smith, Clarence C.: *See*—
Peterson, Albert C., Wallenberg, and Smi
Smith, Clarence J., Rockford, Ill. Can disp
paratus. 2,624,641, Jan. 6.
Smith, Clarence L., Seabrook, N. J. Frozen
cator. 2,662,018, Dec. 8.
Smith, Cleveland S., Indiana, assignor to Sy
pany, Homer City, Pa. Spring washer.
Oct. 20.
Smith, Clyde J., assignee: *See*—
Wemp, Ernest E.
Smith, Curtis W., Berkeley, assignor to Shell I
Company, San Francisco, Calif. Intramole
of hydroxy or amino phosphinic acids.
Aug. 11.
Smith, Curtis W., Berkeley, assignor to She
ment Company, Emeryville, Calif. Produc
tives of hexahydropyrimidine and convertin
to 1,3-diamines. 2,662,080, Dec. 8.
Smith, Cyril R. B., Sutton Coldfield, and F.
assignors, by mesne assignments, to Am
Birmingham, England. Carburetors for
combustion engines. 2,643,865, June 30.
Smith, Dallas M., Kirkwood, Mo. Piston ring.
Feb. 24.
Smith, Daniel W., Hendersonville, N. C., an
Knoxville, Tenn., assignors to the Tenne
Authority. Press for laminated lumber.
Feb. 3.

Smith, David E. D.: *See*—
Le Febvre, Arthur H., and Smith.

Smith, David M., Durham, assignor to Smith Implement Company, Durham County, N. C. Seed planter. 2,656,071, Oct. 20.

Smith, Delbert F., Shawnee, Okla. Connector clip. 2,658,965, Nov. 10.

Smith, Delbert M., Morton, Minn. Egg cleaning machine. 2,635,267, Apr. 21.

Smith, Delbert M., Morton, Minn. Feeder device for egg cleaning machines. 2,643,752, June 30.

Smith, Dennis W.: *See*—
Jahn, Marion C., Shapcott, and Smith.

Smith, Donald B.: *See*—
Northrop, John K., Denzin, and Smith.
Northrop, John K., Fishbein, and Smith.

Smith, Donald M., Wilmington, Del. Attachment structure for laboratory clamps. 2,638,301, May 12.

Smith, Donald R., assignee: *See*—
Van Loon, Herbert A.

Smith, Dorothea J., Burbank, Calif. Infant's sleeping garment. 2,652,052, Sept. 15.

Smith, Drum & Company, assignee: *See*—
Drum, Harry S., and Dodson.

Smith, Dudley H., Brooklyn, N. Y. Record changer. 2,640,703, June 2.

Smith, Earl W., Berkeley, Calif. Building construction. 2,648,101, Aug. 11.

Smith, Earle J.: *See*—
Hunter, Melvin J., and Smith.

Smith, Earle K., West Orange, assignor to Electrons, Incorporated, Newark, N. J. Electrode assembly for gas tubes. 2,654,850, Oct. 6.

Smith, Earle R., Alhambra, Calif., assignor to E. C. Smith. Carpet sweeper case. 2,635,269, Apr. 21.

Smith, Earle R., Alhambra, Calif., assignor to E. C. Smith. Carpet sweeper with pivotable brush support. 2,657,407, Nov. 3.

Smith, Edmund H., assignor to The Garlock Packing Company, Palmyra, N. Y. Packing element with rigid mounting and reinforcing member. 2,630,357, Mar. 3.

Smith, Edmund H., assignor to The Garlock Packing Company, Palmyra, N. Y. Piston cup. 2,632,680, Mar. 24.

Smith, Edna C., assignee: *See*—
Smith, Earle R.

Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Method and apparatus for driving pile shells. 2,639,589, May 26.

Smith, Edward A., West Englewood, N. J. Snow melter. 2,630,637, Mar. 10.

Smith, Edward H.: *See*—
Murphy, Raymond J., and Smith.

Smith, Edward J., Paxton, assignor to Silcraft Corporation, Worcester, Mass. Starting device. 2,655,047, Oct. 13.

Smith, Edward M., assignor to Barnes Manufacturing Co., Mansfield, Ohio. Pump. 2,633,083, Mar. 31.

Smith, Edward M., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape handling device. 2,636,729, Apr. 28.

Smith, Edward M., Whittier, C. E. Whittaker, Los Angeles County, and J. S. Goodwin, Whittier, assignors to Globe Oil Tools Company, Los Nietos, Calif. Quick-acting race control gate. 2,633,825, Apr. 7.

Smith, Edward P., assignor to The Ohio Brass Company, Mansfield, Ohio. Feeder tap. 2,657,290, Oct. 27.

Smith, Edward P., Winnetka, assignor to Illinois Railway Equipment Company, Chicago, Ill. Pipe supporting and anchoring means. 2,625,354, Jan. 13.

Smith, Edward R.: *See*—
Kelly, Joseph J., Morgan, and Smith.

Smith, Edward W., Melrose Highlands, Mass. Means and method of sealing plastic materials. 2,625,201, Jan. 13.

Smith, Edward W., Melrose, Mass. Comminuting machine with opposed and axially oscillated rotors. 2,630,274, Mar. 3.

Smith, Edward W., Melrose Highlands, Mass. Apparatus for generating large mechanical vibrations. 2,642,545, June 16.

Smith, Edwin E., Eagle Lake, Tex. Intermeshing sectional matting. 2,652,753, Sept. 22.

Smith, Edwin J., Weirton, W. Va., assignor to National Steel Corporation. Flow-brightening tinplate 2,661,328, Dec. 1.

Smith, Edwin W., Dallas, Tex. Stripping vane for separators. 2,643,736, June 30.

Smith, Elizabeth J.: *See*—
Grothe, Isabel N., and Smith.

Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Carbide level indicator. 2,636,276, Apr. 28.

Smith, Elmore S., North York Township, York County, Ontario, assignor to Moffats Limited, Weston, Ontario, Canada. Electrical heating unit assembly. 2,633,524, Mar. 31.

Smith, Emlyn N.: *See*—
McKenna, Philip M., Redmond, and Smith.

Smith Engineering Works, assignee: *See*—
Rumpel, Harvey H.

Smith, Eric D., Chicago, Ill. Alarm and annunciator device. 2,646,557, July 21.

Smith, Ernest A.: *See*—
Borchin, George, and Smith.

Smith, Ernest L., North Harrow, and S. Ball, London, assignors to Glaxo Laboratories Limited, Greenford, Middlesex, England. Nitrous acid treatment for separating impurities from antipernicious anaemia active material. 2,630,401, Mar. 3.

Smith, Esmond W., Beechcroft, Chislehurst, and F. Jones, Sidcup, assignors to Telegraph Construction and Maintenance Company Limited, London, England. Concentric electric cable with interlocking tubular supports. 2,648,719, Aug. 11.

Smith, Ethel M.: *See*—
Smith, Oscar H. and E. M.

Smith, Eugene J., assignor of twenty per cent to L. Smith, Springfield, Ohio. Wheel extricating attachment and cable. 2,642,235, June 16.

Smith, F. H., Manufacturing Company, assignee: *See*—
Curtis, Clarence R.

Smith, Floyd T., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Handle assembly for vacuum cleaners. 2,639,456, May 26.

Smith, Frank M.: *See*—
Smith, Leland H., and F. M.

Smith, Frank R., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe bottom heater with links for adjusting heating-grid supports. 2,657,029, Oct. 27.

Smith, Frank R., and L. E. Willett, assignors to Chamberlin Company of America, Detroit, Mich. Weather strip seal for door bottoms. 2,629,147, Feb. 24.

Smith, Frank R. E.: *See*—
Willett, Leon E., and Smith.

Smith, Frank W., Chicago, Ill. Refrigerating apparatus for transportation devices. 2,664,000, Dec. 29.

Smith, Franklin E., South Dartmouth, and N. H. Friedman, North Dighton, Mass. Collapsible tank and stabilizer means. 2,638,951, May 19.

Smith, Franklin S., Hamden, Conn. Centrifugal milling and insect destroying machine with rotary impeller and annular target. 2,656,988, Oct. 27.

Smith, Franklin S., North Haven, Conn. Fluid current comminutor with cylindrical abutment impact target. 2,624,517, Jan. 6.

Smith, Franklin S., North Haven, Conn. Apparatus for cleaning grain and destroying the insect life therein. 2,635,309, Apr. 21.

Smith, Fred E., Findlay, Ohio. Pipe and casing tongs. 2,639,894, May 26.

Smith, Frederick A., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of methyl tin chlorides. 2,625,559, Jan. 13.

Smith, Frederick E., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Submerged pump and motor assembly. 2,624,286, Jan. 6.

Smith, Frederick E., Cleveland Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Pump assembly. 2,660,384, Nov. 24.

Smith, Frederick E., Cleveland Heights, and J. F. Murray, Macedonia, assignors to Thompson Products, Inc., Cleveland, Ohio. Rotary vane pump. 2,662,483, Dec. 15.

Smith, Frederick H.: *See*—
Stedman, Cecil K., and Smith.

Smith, Frederick H., Jenkintown, Pa., assignor to The Sharples Corporation. Process and apparatus for centrifugal deaeration. 2,634,907, Apr. 14.

Smith, Fredrick M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of phenolic compounds. 2,632,027, Mar. 17.

Smith, Fredrick M., Bartlesville, Okla., and R. S. Hanmer, Borger, Tex., assignors to Phillips Petroleum Company. Production of monoalkyl aromatic hydrocarbons. 2,637,750, May 5.

Smith, Garfield B., Hazel Park, Mich. Selective speed control for motor vehicles. 2,661,941, Dec. 8.

Smith, Gaylord E., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Cylinder bore taper gauge. 2,649,782, Aug. 25.

Smith, Gean, assignor to L. J. Segil Company, Chicago, Ill. Lighting fixture for elongated tubular lamps. 2,640,146, May 26.

Smith, George A., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,659,160, Nov. 17.

Smith, George C., Glenside, assignor to The Budd Company, Philadelphia, Pa. Vented hopper chute for railway cars or the like. 2,659,897, Nov. 24.

Smith, George D., Brooklyn, N. Y. Atomizing oil burner and ignition means therefor. 2,625,990, Jan. 20.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reclaiming rubbers. 2,626,932, Jan. 27.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Co., Akron, Ohio. Oxidative condensation of amines and dithio acids. 2,647,144, July 28.

Smith, George M.: *See*—
Kroll, John A., and Smith.

Smith, George T., assignor to George T. Smith, Inc., Lansing, Mich. Checkout counter system. 2,625,241, Jan. 13.

Smith, George T., assignor to George T. Smith, Inc., Lansing, Mich. Conveyer belt control. 2,625,256, Jan. 13.

Smith, George T., Inc., assignee: *See*—
Smith, George T.

Smith, George W., assignee: *See*—
Kelly, Thomas N.

Smith, George W., St. Louis, Mo. Carton and closure therefor. 2,646,917, July 28.

Smith, Gerald R., Wabash, Ind., assignor to American Rock Wool Corp., Chicago, Ill. Means for closing bags. 2,656,093, Oct. 20.

Smith, Glen A., assignor to General Motors Corporation, Detroit, Mich. Vehicle door lock. 2,649,321, Aug. 18.

Smith, Goff, Riverside, Conn., assignor to American Steel Foundries, Chicago, Ill. Snubbed spring group. 2,627,402, Feb. 3.

Smith, Gordon M.: *See*—
Scholz, Theodore F., and Smith.

Smith, Gordon N., assignor to Sawyer's Inc., Portland, Oreg. Device for projecting single views of stereoscopic pairs mounted in disks. 2,625,078, Jan. 13.

Smith, Gordon N., Portland, assignor, by mesne assignments, to Sawyer's Inc., Progress, Oreg. Photoflash synchronizing mechanism. 2,654,299, Oct. 6.

Smith, Graham P., assignor to Powell Announcer Corporation, Chicago, Ill. Sound reproducing device using endless recording tapes. 2,637,560, May 5.

Smith, Graydon, Concord, assignor to Graydon Smith Products Corporation, Boston, Mass. Measuring system. 2,631,272, Mar. 10.

Smith, Graydon, Products Corporation, assignee: *See*—
Smith, Graydon.

Smith, Griffith M., Richmond Heights, Mo. Enclosed retractable dress form. 2,628,747, Feb. 17.

Smith, Grover C., and E. S. Fuller, Houston, Tex. Receptacle for irrigating intestinal tract of colostomy patients. 2,639,711, May 26.

Smith, H. B., Company, Incorporated, The, assignee: *See*—
Dunn, William J.

Smith, H. B., Machine Co., assignee: *See*—
Willitts, Henry E.

Smith, Hamilton, Clifton, N. J. Outlet box holder. 2,658,704, Nov. 10.

Smith, Harold E., Lykens, Pa. Light reflector. 2,647,203, July 28.

Smith, Harold M., Greensboro, N. C. Garment hanger. 2,628,006, Feb. 10.

Smith, Harold O., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Tub and top construction for dishwashers. 2,641,380, June 9.

Smith, Harry A.: *See*—
Allen, Howard G., and Smith.

Smith, Harry B., Westfield, and G. A. Dolan, East Orange, N. J. Means for and process of heat-treating material to be welded together. 2,649,529, Aug. 18.

Smith, Harry D.: *See*—
Allen, Howard G., Gampp, and Smith.

Smith, Harry E., Jr., assignors of forty-nine per cent to F. A. Davis, Tooele, Utah. Mop with suction and squeegee facilities. 2,631,326, Mar. 17.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Lever mechanism for ball cocks. 2,649,772, Aug. 25.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery, Inc., Perrysville, Ohio. Bolt clip for toilet tank and bowl combination. 2,659,088, Nov. 17.

Smith, Harry J.: *See*—
Dietrich, Cornelius F., and Smith.

Smith, Harry P., Jr.: *See*—
Gray, Landon R., and Smith.

Smith, Harry R., Glen Ridge, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Television shading signal and clamping circuit. 2,658,104, Nov. 3.

Smith, Harry R., Glen Ridge, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Television keystone balance control circuit. 2,661,443, Dec. 1.

Smith, Harry R., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Locking device for track switches or the like. 2,649,537, Aug. 18.

Smith, Harry R., Glen Ridge, and J. Ruston, Fairlawn, assignors to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Transmitter testing instrument. 2,635,183, Apr. 14.

Smith, Harvey G., Dallas, Tex. Wall seat. 2,633,179, Mar. 31.

Smith, Harvey J.: *See*—
Smith, Myron R. and H. J.

Smith, Henry A., Mechanicsburg, Ohio. Hog watering tank. 2,629,040, Feb. 17.

Smith, Henry S., Roselle, N. J. Belt charging apparatus. 2,649,978, Aug. 25.

Smith, Herbert E., Jr., Cleveland, Ohio. Lock-nut structure. Re. 23,640, Mar. 31.

Smith, Herbert F., assignor to The Thompson Grinder Company, Springfield, Ohio. Machine tool and operating. 2,633,678, Apr. 7.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Stabilized hydrocarbon fuel oils. 2,632,696, Mar. 24.

Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, and M. L. Hill, Boothwyn, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Fatty-acid modified phenol-formaldehyde resins. 2,632,745, Mar. 24.

Smith, Herschel G., Wallingford, Mark L. Hill, Boothwyn, and Troy L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Insecticidal compositions. 2,636,839, Apr. 28.

Smith, Herschel G., Wallingford, T. L. Cantre... downe, and E. E. Fisher, Yeadon, assignors to ... Corporation, Pittsburgh, Pa. Metal coating ... tion. 2,641,551, June 9.

Smith, Herschel G., Wallingford, T. L. Cantre... downe, Pa., and J. G. Peters, Audubon, N. J., ... to Gulf Oil Corporation, Pittsburgh, Pa. Stab... drocarbon fuel oils. 2,656,259, Oct. 20.

Smith, Herschel G., Wallingford, T. L. Cantre... downe, Pa., assignors to Gulf Oil Corporatio... burgh, Pa. Stabilized hydrocarbon fuel oils. ... Oct. 20.

Smith, Horace L., Jr., and J. G. Miller, Richmond ... signors to Louisiana Tung Corporation, Covin... Hulling tung fruit and the like. 2,629,418, Fe...

Smith, Howard E., Monroe, Mich. Navel umbili... sure shield. 2,652,827, Sept. 22.

Smith, Hubert L., and A. A. Gustafson, assignors ... port Sulphur Company, Port Sulphur, La. Cru... combination feed and crushing screw. 2,656,123

Smith, Hugh B.: *See*—
Roth, Harold H., and Smith.

Smith, Hugh T.: *See*—
Meincke, Edward, and Smith.

Smith, Ilene R., Kilgore, Tex. Road auger boring ... 2,625,376, Jan. 13.

Smith Implement Company, assignee: *See*—
Smith, David M.

Smith, Ira D., assignor to The Cleveland Pneum... Company, Cleveland, Ohio. Fluid spring. ... June 23.

Smith, Irene P., Needham, assignor to The Willia... Company, Needham Heights, Mass. Garmen... form. 2,657,842, Nov. 3.

Smith, Irving R.: *See*—
Mueller, Wesley J., and Smith.

Smith, James, Buffalo, assignor to Chemical ... Corporation, New York, N. Y. Method of and a... for the manufacture of collapsible tubes. ... Apr. 28.

Smith, James A.: *See*—
Clark, Carleton L., Vicario, Lyons, Smith, an...

Smith, James F., Glendale, Calif. Parachu... 2,663,525, Dec. 22.

Smith, James M., Jr.: *See*—
Parker, Robert P., and Smith.

Smith, James S., Towanda, Pa., assignor to E. I ... de Nemours and Company, Wilmington, Del. ... cent screen. 2,648,013, Aug. 4.

Smith, James V.: *See*—
Hillyer, John C., and Smith.

Smith, James W., assignor to Minneapolis-H... Regulator Company, Minneapolis, Minn. Air... ing control system. 2,628,076, Feb. 10.

Smith, James W., assignor to Minneapolis-H... Regulator Company, Minneapolis, Minn. ... amplifier. 2,629,073, Feb. 17.

Smith, James W., assignor to Minneapolis-Honey... ulator Company, Minneapolis, Minn. The... control device and burner system. 2,659,534,

Smith, Jeptha T., St. Louis, Mo. Nasal ... 2,635,603, Apr. 21.

Smith, Jesse A. B., Stamford, Conn., assignor ... wood Corporation, New York, N. Y. Manifold ... writer. 2,640,576, June 2.

Smith, Joel D., Sr., Alice, Tex. Safety belt c... up and shock absorber. 2,659,573, Nov. 17.

Smith, Joel N.: *See*—
Ayres, William R., and Smith.

Smith, John B., Oakland, Calif. Cover for cook... sills. 2,636,636, Apr. 28.

Smith, John C., Farmington, assignor to Unitec... Corporation, East Hartford, Conn. Tooth ... flexible couplings. 2,638,011, May 12.

Smith, John D., Audubon, N. J., assignor to ... Hardart Company of New York, New York, N... collector. 2,628,772, Feb. 17.

Smith, John E., Sioux City, Iowa. Adjustable e... trucks. 2,631,056, Mar. 10.

Smith, John H., Wauwatosa, Wis., assignor t... Cable Corporation, New York, N. Y. Wire... 2,639,873, May 26.

Smith, John J.: *See*—
Mueller, Frank H., and Smith.

Smith, John J., assignor to Mueller Co., De... Pipe line stopper. 2,655,339, Oct. 13.

Smith, John O., Jr.: *See*—
Jones, Allen R., and Smith.

Smith, John P., Cranbury, N. J., assignor to ... poration of America. Regulated high-volta... supply system. 2,644,917, July 7.

Smith, John P., Weymouth, Mass. Marine harv... conveyer. 2,629,218, Feb. 24.

Smith, John R., Miami, Fla. Skiving tool hold... for automatic screw machines. 2,625,068, Ja...

Smith, John W., Whitestone, assignor to Faxi... New York, N. Y. Automatic phasing circui... simile circuits. 2,630,494, Mar. 3.

Smith, Joseph A., New York, N. Y. Smok... 2,660,179, Nov. 24.

Smith, Joseph B., assignor to The Standard Oil ... Cleveland, Ohio. Strainer construction. ... Apr. 14.

Smith, Joseph B., Cleveland, Ohio. Pipe coupling. 2,647,769, Aug. 4.
Smith, Joseph E., Tampa, Fla. Belt guide. 2,644,904, July 14.
Smith, Joseph E., Jr.: *See*—
Flaith, George D., and Smith.
Smith, Joseph L., Glen Ellyn, Ill. Loop forming tool for helical springs. 2,624,376, Jan. 6.
Smith, Joseph L., Glen Ellyn, Ill. Hook forming tool for helical springs. 2,624,377, Jan. 6.
Smith, Julius L., Jacksonville, Fla. Rotary shaft controlled motor vehicle traffic signal. 2,632,152, Mar. 17.
Smith, Justin H., Claremont, and R. S. Barrett, Walpole, N. H. Coin dispenser. 2,624,351, Jan. 6.
Smith, Keith J., Alhambra, assignor to Calcraft Company, Pasadena, Calif. Hand loom. 2,654,937, Oct. 13.
Smith, Kenneth A.: *See*—
Lovejoy, Rex E., Smith, Harrington, and Harter.
Smith, Kenneth A., Park Forest, and D. K. Hedeen, Markham, Ill., assignors to Sinclair Refining Company, New York, N. Y. Treatment of pitch. 2,652,393, Sept. 22.
Smith, Kenneth F., assignor to Neon Products, Inc., Lima, Ohio. Forming embossed and decorated panels. 2,643,417, June 30.
Smith, Kenneth N., Springfield, and A. L. Oberbeck, Jefferson City, Mo. Boiler. 2,638,077, May 12.
Smith, Kline & French Laboratories, assignee: *See*—
Arnold, Richard T., and Ullyot.
Aschner, Thomas C.
Burger, Alfred.
Campbell, Kenneth N., and Ullyot.
Craig, Paul N., and Nabenhauer.
D'Angelo, Alfred J.
Kerwin, James F., and Ullyot.
Ullyot, Glenn E.
Whitecar, Alten E.
Wilson, James W., III, and Ullyot.
Smith, L. C., & Corona Typewriters, Inc., assignee: *See*—
Barkdoll, Joseph P.
Hill, Laurence B.
Hill, Laurence B., and Walker.
Kennedy, Charles H., Jr.
Moshier, Edson G., and Hoysak.
Zeamer, Aaron C.
Smith, Leah K., assignee: *See*—
Wemp, Ernest E.
Smith, Lee B., Woodbridge, N. J., and C. B. Miller, Lynbrook, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Dehalogenation of fluorine compounds. 2,635,121, Apr. 14.
Smith, Leland H., and F. M. Smith, Grenville, N. Y. Method and apparatus for producing textured films. 2,660,757, Dec. 1.
Smith, Leland L., and R. Engle, Glendale, Calif. Cut film holder light trap. 2,635,515, Apr. 21.
Smith, Leonard, assignee: *See*—
Smith, Eugene J.
Smith, Leonard C., Berea, Ohio. Remotely controlled and ballasting probe actuation. 2,637,842, May 5.
Smith, Leonard C., Berea, Ohio. Valve lift recorder. 2,658,812, Nov. 10.
Smith, Le R. A.: *See*—
Unger, Earl D., Smith, and Willkie.
Smith, Leslie W., Berkley, Mich. Spray gun nozzle for spraying buffing compounds. 2,658,312, Nov. 10.
Smith, Lester C., West Hartford, assignor to Spencer Turbine Company, Hartford, Conn. Dual purpose vacuum cleaner nozzle. 2,656,560, Oct. 27.
Smith, Lester C., West Hartford, assignor to The Spencer Turbine Company, Hartford, Conn. Liquid separator attachment for vacuum cleaners. 2,657,416, Nov. 3.
Smith, Lester H., Maplewood, N. J., assignor to Standard Oil Development Company. Method and apparatus for handling fluidizable finely divided solid materials. 2,655,411, Oct. 13.
Smith, Lester L., Peoria, Ill. Ventilator structure. 2,663,246, Dec. 22.
Smith, Lincoln G., Center Moriches, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic electron multiplier. 2,664,515, Dec. 29.
Smith, Lloyd P.: *See*—
Donal, John S., Jr., Smith, and Brown.
Smith, Louis J., Los Angeles, Calif. Flow regulator. 2,639,883, May 26.
Smith, Lowell L., Rockford, Ill. Pouring spout. 2,650,004, Aug. 25.
Smith, Lowell L., Tuckahoe, and J. J. Gennari, Yonkers, N. Y., assignors to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Dual wall register. 2,657,625, Nov. 3.
Smith, Lucius N. and A., Montverde, Fla. Cutter and breaker bar for lawn mowers. 2,642,711, June 23.
Smith, Lucy H., Naval Base, S. C. Screen for vehicles. 2,643,711, June 30.
Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Crowd unit for horizontal loaders. 2,631,744, Mar. 17.
Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Back filling attachment for power shovels. 2,644,251, July 7.
Smith, Luke E., assignor to Quick-Way Truck Shovel Co., Denver, Colo. Bucket for power shovels. 2,657,814, Nov. 3.
Smith, Luther A., Birmingham, Ala., assignor to Southern Household Products Company, Inc. Chair with spring seat and back. 2,648,372, Aug. 11.
Smith, Mabel B., Los Angeles, Calif. Disposable tissue dispenser and container. 2,640,587, June 2.
Smith, Malcolm K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Stabilized plasticized polyvinyl compositions. 2,624,716, Jan. 6.
Smith, Marsden C., and O. G. Ely, Richmond, Va., assignors to The Ford Meter Box Company, Inc., Wabash, Ind. Saddle nut and coupling. 2,650,837, Sept. 1.
Smith, Marvin J., assignor to Rite-Way Products Company, Chicago, Ill. Milk line nipple. 2,626,590, Jan. 27.
Smith, Mary M., Stamford, Conn. Typist's desk. 2,660,502, Nov. 24.
Smith, Merton: *See*—
Smid, James, Smith, and Leskovec.
Smith, Milton B., Huntington, E. C. Wallace, Andrews, and E. L. Krieg, South Whitley, assignors to Master Machinery Corporation, Huntington, Ind. Nail gun. 2,648,841, Aug. 18.
Smith-Morris Company, assignee: *See*—
Kelly, Thomas N.
Smith, Morris E.: *See*—
Dalby, Delbert G., and Smith.
Smith, Myron R., Minneapolis, and H. J. Smith, St. Louis Park, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic burner control apparatus. 2,648,375, Aug. 11.
Smith, Neal J. and R. I., New Orleans, La. Apparatus for detecting and recording measurements of seismic, gravitational, and other forces. 2,648,055, Aug. 4.
Smith, Nellie B., Mellwood, Ark. Pusher type coupler. 2,640,709, June 2.
Smith, Norman J., Medfield, Mass. Thermostatic switch. 2,627,565, Feb. 3.
Smith, Olen L.: *See*—
Scheuerman, Albert, and Smith.
Smith, Oliver R., Fort Worth, Tex. Pipe reforming clamp. 2,632,417, Mar. 24.
Smith, Oliver R., Fort Worth, Tex. Annular segmental welding head. 2,634,633, Apr. 14.
Smith, Oliver R., Fort Worth, Tex. Pipe reconditioning machine. 2,641,008, June 9.
Smith, Oliver S., Edwardsville, Ill. Doorknob actuated lock. 2,639,177, May 19.
Smith, Ored L.: *See*—
Levin, Carl A., and Smith.
Smith, Ored L., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Combination receiving tray and cover for duplicating machines. 2,632,388, Mar. 24.
Smith, Orson P., Seattle, Wash. Attachment for woodworking shapers. 2,645,256, July 14.
Smith, Orson P., assignor, by mesne assignments, to Smithway Machine Co., Inc., Seattle, Wash. Feed roll mechanism for saws. 2,646,088, July 21.
Smith, Oscar H. and E. M., Washington, D. C. Letter safe. 2,650,150, Aug. 25.
Smith, Otho W., Bedford, Ind. Tandem trailer device. 2,643,890, June 30.
Smith, Paul A., assignor to Barber-Greene Company, Aurora, Ill. Conveying and unloading device. 2,635,735, Apr. 21.
Smith, Paul D., assignee: *See*—
Johnson, Charles E.
Smith, Paul F., Jr.: *See*—
Drout, William M., Jr., Carlson, Scheeline, and Smith.
Smith, Paul G., Rock Island, Ill. Musical pegboard. 2,624,227, Jan. 6.
Smith, Paul J.: *See*—
Barth, Elmer J., and Smith.
Smith, Paul M., Cambridge, Ohio. Vacuum brake apparatus. 2,657,777, Nov. 3.
Smith, Paul V., Jr.: *See*—
Carlson, Carl S., and Smith.
Mikeska, Louis A., and Smith.
Morway, Arnold J., and Smith.
Young, David W., and Smith.
Smith, Paul V., Jr., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Alkyl esters and plastic compositions comprising same. 2,625,527, Jan. 13.
Smith, Paul V., Jr., Westfield, D. W. Young, Roselle, and R. G. Newberg, Roselle Park, N. J., assignors to Standard Oil Development Company. Terephthalate esters as plasticizers for polyvinyl resins. 2,628,207, Feb. 10.
Smith, Paul V., Jr., Westfield, and F. Knoth, Jr., Union, N. J., assignors to Standard Oil Development Company. Complex phosphate ester synthetic lubricant. 2,632,767, Mar. 24.
Smith, Paul V., Jr., Westfield, and J. B. McPherson, Jr., Roselle, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,658,871, Nov. 10.
Smith-Petersen, Nils O., Yonkers, N. Y., and W. A. Patscheider, Norfolk, and H. G. Lambert, Milton, Mass., assignors to Walworth Company, New York, N. Y. Adjustable outer jaw pipe wrench of the fixed housing type. 2,629,279, Feb. 24.
Smith, Philip D.: *See*—
Lomax, William, and Smith.

Smith, Philip N., Clemson, assignor to Deering Milliken Research Trust, Pendleton, S. C. Stop motion for textile machines. 2,644,221, July 7.
Smith, Philip N., Warwick, R. I. Liquid depth measuring device. 2,627,660, Feb. 10.
Smith, Prevost F., San Diego, Calif. Parachute deploying means. 2,631,797, Mar. 17.
Smith, Prevost F., San Diego, Calif. Parachute flap. 2,663,524, Dec. 22.
Smith, Raymond E.: *See*—
Walmsley, Leslie L., and Smith.
Smith, Raymond E., Sr., Waukegan, Ill. Sheet metal bending brake. 2,651,349, Sept. 8.
Smith, Reading B.: *See*—
Dresser, Thrope, and Smith.
Smith, Reginald S.: *See*—
Coolidge, Roger S., Keely, Smith, and Anderson.
Smith, Reuben E., Margaretsville, N. Y. Teat protector for dairy cattle. 2,649,073, Aug. 18.
Smith, Richard A., assignor to H. J. Heinz Company, Pittsburgh, Pa. Container packaging apparatus. 2,657,845, Nov. 3.
Smith, Richard B., Hickory, N. C. Blade sharpening device. 2,645,063, July 14.
Smith, Richard D.: *See*—
Reuter, Louis F., and Smith.
Smith, Richard G., Amsterdam, N. Y. Toy merchandise car. 2,634,551, Apr. 14.
Smith, Richard G., Harvey, and C. S. Vestling, Urbana, Ill., assignors to Sherwin-Williams Company, Cleveland, Ohio. Protein emulsion coating composition. 2,636,829, Apr. 28.
Smith, Richard H., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric motor armature. 2,630,463, Mar. 3.
Smith, Richard H., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,649,729, Aug. 25.
Smith, Robert B., assignor to The Reynolds & Reynolds Company, Dayton, Ohio. Sheet counting and tab inserting device. 2,629,300, Feb. 24.
Smith, Robert C., assignor to Eastman Kodak Company, Rochester, N. Y. Mounting 35-millimeter slides to prevent film buckle during projection. 2,639,254, May 19.
Smith, Robert F., Grosse Pointe Woods, assignor to General Motors Corporation, Detroit, Mich. Clay extrusion machine. 2,624,094, Jan. 6.
Smith, Robert H.: *See*—
Gleason, Thomas C., Smith, and Isley.
Smith, Robert J., Elmhurst, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Bridge for resistance measurement. 2,649,571, Aug. 18.
Smith, Robert L.: *See*—
Drake, Leonard C., and Smith.
Watson, Kenneth M., Howe, and Smith.
Smith, Robert L., assignor of one-sixth to W. H. Dean, and one-sixth to A. B. Bowman, San Diego, Calif. Smoking pipe. 2,628,622, Feb. 17.
Smith, Robert L., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Activating chromia-alumina catalyst. 2,635,082, Apr. 14.
Smith, Robert L., Portsmouth, Va., assignor of one-sixth to A. B. Bowman, San Diego, Calif. Smoking pipe. 2,654,370, Oct. 6.
Smith, Robert L., Western Springs, and K. M. Watson, Madison, Wis., assignors, by mesne assignments, to Sinclair Oil and Gas Company, Tulsa, Okla. Oil recovery process. 2,642,943, June 23.
Smith, Robert M., Brownwood, Tex. Secretary type pocket wallet. 2,643,695, June 30.
Smith, Robert P., Crawfordsville, Ind. Projecting machine for projecting from stacks of individually framed films. 2,632,362, Mar. 24.
Smith, Roberta I.: *See*—
Smith, Neal J. and R. I.
Smith, Rollin P.: *See*—
Rowe, Lancelot W., and Smith.
Smith, Rosa B., Baltimore, Md. Collar protector. 2,637,034, May 5.
Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Firing glaze on a ceramic surface. 2,634,219, Apr. 7.
Smith, Roy A., Oklahoma City, Okla. Pumping assembly. 2,652,231, Sept. 15.
Smith, Russell F., assignor to Carter Carburetor Corporation, St. Louis, Mo. Pump device. 2,634,687, Apr. 14.
Smith, Russell M., Ripley, N. Y., assignor to General Electric Company. Wheel slip protective system. 2,652,555, Sept. 15.
Smith, Russell M., Ripley, N. Y., and M. W. Bellis, Lawrence Park, Erie, Pa., assignors to General Electric Company. Interpole shunting means for alternating current commutating motors. 2,664,535, Dec. 29.
Smith, Russell S., Warehouse Point, Conn. Gun sight. 2,629,933, Mar. 3.
Smith, Ruth, Enterprises, Inc., assignee: *See*—
Glantz, Saul J.
Smith, S., & Sons (England) Limited, assignee: *See*—
Meredith, Frederick W.
Meredith, Frederick W., Sudworth, Meredith, and Righton.
Milsom, Frederick R.
Smith, Samuel, Elmdon, England. Rotary swag[e] chine. 2,636,405, Apr. 28.
Smith, Samuel R., Portland, Oreg. Springbo[ard] struction. 2,645,483, July 14.
Smith, Sidney H.: *See*—
Horn, Charles H., and Smith.
Smith, Sidney R., and H. W. Barrett, assignors [to] matic Telephone & Electric Company, Limited, L[ondon], England. Electrical switching apparatus. 2[,]Mar. 17.
Smith, Sidney R., Jr.: *See*—
Meisenheimer, Robert L., and Smith.
Smith, Sidney R., Jr., Pittsfield, Mass., assignor [to] eral Electric Company. Transformer protective 2,662,137, Dec. 8.
Smith, Stanley B., Jr., assignor to Bendix Aviat[ion] poration, South Bend, Ind. Fuel system. 2[,]Mar. 31.
Smith, Stanley J., and T. Weber, Jr., New Yo[rk], Density measuring device. 2,647,395, Aug. 4.
Smith, Stanley J., Ossining, and J. Isreell, Ne[w York], assignors to Simmonds Aerocessories Inc., Ta[rrytown], N. Y. Timing mechanism. 2,651,361, Sept.
Smith, Sydney, Bremerton, Wash. Ice-cream ca[n] ing, scraping, and cutting tool. 2,630,591, Ma[r.]
Smith, Sydney, Swanage, Dorset, England. M[otor] pelled cultivator. 2,647,450, Aug. 4.
Smith, Telford L., South San Francisco, Calif. pair clamp. 2,643,137, June 23.
Smith, Tom B.: *See*—
Parker, Charles L. Y., Emery, and Smith.
Smith, Tom, & Co. Ltd., assignee: *See*—
Harrison, Edgar.
Smith, Thomas C., Poughkeepsie, N. Y., assignor, [by] assignments, to the United States of America [as] sented by the Secretary of the Navy. Explosiv[e] able bolt. 2,653,504, Sept. 29.
Smith, Thomas O., Greensburg, Pa. Portable bal[l] 2,624,900, Jan. 13.
Smith, Thomas P., Manistique, Mich. Cable p[ull] tachment for vehicle wheels. 2,662,731, Dec.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Flexible splined connection. [2,] Jan. 13.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Centrifugally operated valve. [2,] Mar. 10.
Smith, Thomas R., assignor to The Maytag Compa[ny], ton, Iowa. Positive clutch. 2,632,540, Mar.
Smith, Thomas R., assignor to The Maytag Compa[ny], ton, Iowa. Ironer unit. 2,632,967, Mar. 31.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Float control means for wa[sher] chines. 2,633,144, Mar. 31.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Float control means for wa[sher] chines. 2,633,145, Mar. 31.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Method and means of dryi[ng] 2,633,640, Apr. 7.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Liquid level control mecha[nism] washing machines. 2,635,445, Apr. 21.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Control mechanism for wa[sher] chines and the like. 2,635,446, Apr. 21.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Fluid valve construction. Apr. 21.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Washing machine with a rot[ary] and a concentric basket. 2,637,187, May 5.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Tub assembly for washing 2,637,188, May 5.
Smith, Thomas R., assignor to The Maytag Comp[any], ton,. Iowa. Washing machine with rotatable ing a centrifugally operated valve. 2,641,918
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Flow control valve. 2,644,47
Smith, Thomas R., assignor to The Maytag Comp[any], ton, Iowa. Combined washing machine and c extractor. 2,645,107, July 14.
Smith, Thomas R., assignor to The Maytag Comp[any], ton, Iowa. Combined washing machine and c fluid extractor. 2,645,108, July 14.
Smith, Thomas R., assignor to The Maytag Comp[any], ton, Iowa. Sediment collecting means for wa[sher] chines and the like. 2,645,109, July 14.
Smith, Thomas R., assignor to The Maytag Comp[any], ton, Iowa. Transmission drive mechanism. July 14.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Control mechanism. 2,646,06
Smith, Thomas R., assignor to The Maytag Comp[any], ton, Iowa. Centrifugally operated torque clutch. 2,647,603, Aug. 4.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Resilient locking means. Sept. 8.
Smith, Thomas R., assignor to The Maytag [Co.], Newton, Iowa. Washing machine. 2,653,483

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Valve with self-anchoring seal. 2,654,560, Oct. 6.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Centrifugally operated valve for rotatable receptacles. 2,656,700, Oct. 27.

Smith, Thomas S., Los Angeles, Calif. Venetian blind cleaning device. 2,624,899, Jan. 13.

Smith, Vernon K., Boise, Idaho. Punchboard game device. 2,654,607, Oct. 6.

Smith, Victor W., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Hot gas defrosting means for refrigerating systems. 2,632,303, Mar. 24.

Smith, Victor W., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Snow eliminator for self-service cases. 2,657,546, Nov. 3.

Smith, Victor W., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerating system. 2,658,357, Nov. 10.

Smith, Wallace D., Melbourne, Fla. Mortise chiseling templet. 2,645,029, July 14.

Smith, Walter E., Ventura, Calif. Pitch changing device for musical instruments. 2,644,360, July 7.

Smith, Walter G. E., Long Branch, Wash. Gate valve. 2,630,293, Mar. 3.

Smith, Walter H., Toronto, Ontario, Canada, by M. A. Johnston, administratrix, assignor to Commercial Lithograph Company, Ltd., Toronto, Ontario, Canada. Apparatus for making lithograph blankets. 2,629,324, Feb. 24.

Smith, Walter H., deceased; M. A. Johnston, administratrix, assignor to Commercial Lithograph Company, Ltd., Toronto, Ontario, Canada. Collating machine. 2,629,590, Feb. 24.

Smith, Walter H., deceased, Toronto, Ontario, Canada; by M. A. Johnston, executrix, London, assignor to Commercial Lithograph Company Ltd., Toronto, Ontario, Canada. Loader for supporting and elevating tables. 2,631,850, Mar. 17.

Smith, Walter K., Pottstown, Pa., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Joining plastic elements. 2,647,072, July 28.

Smith, Ward L.: *See*—
Leitch, John D., and Smith.

Smith, Warren H.: *See*—
Kocian, John J., and Smith.
McDuffie, Archie D., and Smith.

Smith, Warren M., Baton Rouge, La., assignor to Standard Oil Development Company. Aqueous caustic treat of iso-octyl alcohol. 2,626,284, Jan. 20.

Smith Welding Equipment Corporation, assignee: *See*—
Smith, Elmer H.

Smith, Wilbur R.: *See*—
Woodside, Charles E., Smith, Woodside, and Armstrong.

Smith, Wilbur R., Allentown, assignor to Bethlehem Foundry & Machine Company, Bethlehem, Pa. Heat transfer system. 2,630,789, Mar. 10.

Smith, William B., Jr.: *See*—
Gagarine, Dmitry M., Smith, and Spangler.

Smith, William C., Park Ridge, assignor to Chicago Carton Company, Chicago, Ill. Dispenser. 2,648,429, Aug. 11.

Smith, William F., Irvington, N. J., assignor to Curtiss-Wright Corporation. Apparatus for measuring the spray angle of a nozzle. 2,651,844, Sept. 15.

Smith, William H., East Molesey, England. Rotary fan or the like. 2,654,529, Oct. 6.

Smith, William H., Evanston, Ill. Garment hanger. 2,641,392, June 9.

Smith, William I.: *See*—
Marsh, Walter H., and Smith.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Sectional metallic awning. 2,644,990, July 14.

Smith, William I., Wilkinsburg, assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Light weight rotary fluid meter and register drive assembly. 2,627,848, Feb. 10.

Smith, William J., and W. W. Slaght, Rocky River, assignors to Cleveland Steel Products Corporation, Cleveland, Ohio. Burner. 2,625,213, Jan. 13.

Smith, William M., Cincinnati, Ohio. Automatic fishing pole rack. 2,642,692, June 23.

Smith, William M., Wheaton, B. F. Freeberg, and A. W. Tharp, assignors to Vapor Heating Corporation, Chicago, Ill. Making mercury column thermostats. 2,660,005, Nov. 24.

Smith, William M., Jr., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Linear polyester plasticizers. 2,647,099, July 28.

Smith, William M., Jr., Cuyahoga Falls, and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Linear polyester plasticizers. 2,647,098, July 28.

Smith, William N., Lake Jackson, Tex., assignor to The Dow Chemical Company, Midland, Mich. Removing iron from caustic soda solutions. 2,634,192, Apr. 7.

Smith, William P., Lawrence, Kans. Electrostatic voltage power generator. 2,643,349, June 23.

Smith, William P. C., Rockport, Mass. Liquid dispenser. 2,659,516, Nov. 17.

Smith, William R., Philadelphia, Pa., and G. R. Monaco, assignors to The A. C. Gilbert Company, New Haven, Conn. Toy with traveling figurette. 2,660,001, Nov. 24.

Smith, William V.: *See*—
Clogston, Albert M., and Smith.

Smith, William V.: *See*—
Everhart, Edgar, Herlin, A. G. and W. V. Smith.
Herlin, Melvin A., and Smith.

Smith, William W., Buffalo, N. Y. Engine. 2,661,699, Dec. 8.

Smith, William W., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Apparatus for assembling storage battery elements. 2,626,038, Jan. 20.

Smith, Winthrope C.: *See*—
Hubbard, Addison W., and Smith.

Smithco, Inc., assignee: *See*—
Smith, Charles C.

Smithe, F. L., Machine Co., Inc., assignee: *See*—
Novick, Abraham.

Smitherman, Grady A.: *See*—
Casey, J. B., and Smitherman.

Smithisler, Raymond J.: *See*—
Schoenfeld, Henry F., and Smithisler.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Improving the adhesion of organopolysiloxanes to solid surfaces. 2,643,964, June 30.

Smith-Johannsen, Robert, and C. S. Oliver, Schenectady, N. Y., assignors to General Electric Company. Organopolysiloxanes of improved adhesion containing peroxides. 2,639,276, May 19.

Smithson, Charles B., Jr., Clay Township, St. Joseph, Ind. Motor-driven toothbrush. 2,648,787, Aug. 11.

Smithson, Charles B., Jr., Clay Township, St. Joseph County, Ind. Power-driven toothbrush. 2,657,321, Oct. 27.

Smithson, Gordon W.: *See*—
Feeney, William H., and Smithson.
Makant, Joseph E., Smithson, and Wunschel.

Smithson, Harry A., San Bernardino, and F. P. Mitten, Redlands, Calif.; said Smithson assignor to said Mitten. Support for sign characters. 2,630,643, Mar. 10.

Smithson, Harry E., Detroit, Mich. Bird cage accessory. 2,624,310, Jan. 6.

Smithson, John T., Vancouver, British Columbia, Canada. Lateral and longitudinal adjustable shoe tree. 2,628,375, Feb. 17.

Smithway Machine Co., Inc., assignee: *See*—
Smith, Orson P.

Smits, Hubertus J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phonograph pickup. 2,658,115, Nov. 3.

Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., Rijswijk, Netherlands. Surface discharge spark plug for low voltages and condenser discharge. 2,625,922, Jan. 20.

Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., Rijswijk, Netherlands. Surface discharge spark plug for low voltages and condenser discharge. 2,640,473, June 2.

Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., Rijewijk, Netherlands. Bushing for spark plugs. 2,657,248, Oct. 27.

Smitsvonk, N. V., assignee: *See*—
Smits, Wytze B.

Smoker, Isaac Z., Intercourse, Pa. Pickup bale loader. 2,656,030, Oct. 20.

Smolak, George and E. F. Dyer, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Lightweight panel and manufacture. 2,644,781, July 7.

Smole, Jack F., Cleveland Heights, and A. Collier, Cleveland, assignors, by mesne assignments, to Lempco Products, Inc., Bedford, Ohio. Expandable hone. 2,663,124, Dec. 22.

Smolensky, Michael, Cleveland, Ohio. Double-acting liquid dispensing fixture. 2,655,179, Oct. 13.

Smoleny, George J., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Refacing tool. 2,637,894, May 12.

Smoluchowski, Roman, Pittsburgh, Pa., assignor to General Electric Company. Detecting an electrical twinning boundary in crystals. 2,633,017, Mar. 31.

Smook, Malcolm A.: *See*—
Brooks, Richard E., and Smook.
Youngquist, Orrin G., Smook, and Brooks.

Smoot, Charles H., assignor to Republic Flow Meters Company, Chicago, Ill. Control system for a plurality of related variables. 2,644,642, July 7.

Smoot, John H.: *See*—
Lawshe, Errol R., and Smoot.

Smoot, John H., Darien, Conn., assignor to Becton Dickinson and Company, Rutherford, N. J. Injection device. 2,653,602, Sept. 29.

Smoot, Van, Houston, Tex. Bit lifter and stabber. 2,661,188, Dec 1.

Smoot, William S., Highland Park, assignor to Republic Flow Meters Company, Chicago, Ill. Boiler control apparatus. 2,660,378, Nov. 24.

Smullin, Louis D., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. High power transmit-receive box. 2,647,952, Aug. 4.

Smullin, Louis D., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wide band transmit receive switch. 2,653,300, Sept. 22.

Smullin, Louis D., Watertown, Mass., and G. C. Dewey, Nutley, N. J., assignors to International Standard Electric Corp., New York, N. Y. Traveling wave amplifier tube. 2,624,859, Jan. 6.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper. 2,642,612, June 23

Smyers, William H.: *See*—
Young, David W., Smyers, and Sparks.

Smyser, Elmer D., Bakersfield, assignor of one-half to F. C. Ripley, Sr., Los Angeles, Calif. Fluid flow measuring device. 2,636,478, Apr. 28.

Smyser, Elmer D., Bakersfield, assignor of one-half to F. C. Ripley, Sr., Los Angeles, Calif. Flowmeter. 2,636,479, Apr. 28.

Smyth, George F., assignee: *See*—
Frick, Robert P.

Smyth, Herbert C. H., Bedford Park, London, assignor of one-half to Alfred Dunhill Limited, London, England. Pyrophoric lighter. 2,652,706, Sept. 22.

Smyth Manufacturing Company, The, assignee: *See*—
Schramm, Carl.

Smythe, Marion S., Memphis, Tenn. Nether garment for supporting sanitary napkins and the like. 2,638,095, May 12.

Snader, Ira J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic transmission for machine tools. 2,654,291, Oct. 6.

Snap-On Drawer Company, assignee: *See*—
Hake, Elmer C.

Snap-On Tools Corporation, assignee: *See*—
Walraven, George M., and Elwell.
Walraven, George M., and Knudsen.

Snavely, Cloyd A., assignor, by mesne assignments, to The Battelle Development Corporation, Columbus, Ohio. Electrolytic production of chromium hydride. 2,635,993, Apr. 21.

Snead, Edwin B., Austin, Tex. Supporting and auxiliary driving means for conveyer belts. 2,655,253, Oct. 13.

Sneed, Kenneth D., Long Beach, Calif. Control system for model airplanes. 2,624,152, Jan. 6.

Sneed, Robert C., Piedmont, and C. S. Jordan, Glendale, assignors to Safeway Stores, Incorporated, Oakland, Calif. Egg handling machine. 2,629,479, Feb. 24.

Sneed, Robert C., Piedmont, and C. S. Jordan, Maywood, assignors to Safeway Stores, Incorporated, Oakland, Calif. Egg handling machine. 2,639,801, May 26.

Sneed, Wellington A., Davenport, Iowa. Hair clipper. 2,636,265, Apr. 28.

Snell, Chester A.: *See*—
De Rosa, John A., and Snell.

Snell, Chester A., New York, J. M. Fain, and J. A. De Rosa, Brooklyn, N. Y., assignors to the United States of America as represented by the Secretary of the Army. Soldering flux. 2,664,370, Dec. 29.

Snell, Chester A., New York, J. M. Fain, and J. A. De Rosa, Brooklyn, N. Y., assignors to the United States of America as represented by the Secretary of the Army. Soldering flux. 2,664,371, Dec. 29.

Snell, Esmond E., Madison, Wis., and E. L. Wittle and J. A. Moore, assignors to Parke, Davis & Company, Detroit, Mich. Preparation of thio-alkyl pantothenamides. 2,625,565, Jan. 13.

Snell, Harm D., Port Arthur, Tex. Abrading tool. 2,624,161, Jan. 6.

Snell, Maurice S., Cranham, assignor to Dowty Equipment Limited, Cheltenham, England. Solenoid magnet. 2,663,826, Dec. 22.

Snell, Ronald C.: *See*—
Bellringer, Frederick J., Bewley, Snell, and Turck.

Snelson, Howard J., Paris, Ill., assignor to Electrographic Corporation, New York, N. Y. Apparatus for handling and separating casting drum and casting. 2,655,700, Oct. 20.

Snethun, Hans J., Vancouver, British Columbia, Canada. Artificial hand. 2,629,106, Feb. 24.

Sniader, David H., Chicago, Ill. Liquid cooling and dispensing device. 2,653,014, Sept. 22.

Snijders, Antonie: *See*—
Oberman, Roelof M. M., and Snijders.

Snoddy, Max E., Dallas, Tex. Device for producing signals at predetermined intervals. 2,657,748, Nov. 3.

Snodgrass, Floyd B., Cartersburg, Ind. Guitar tuning device. 2,662,439, Dec. 15.

Snoek, Jacob L., J. J. Went, and P. W. Haayman, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetic core. 2,636,860, Apr. 28.

Snook, Cecil R., and J. J. Gallagher, Salem, Oreg. Disk and opposed anvil cracking and grinding machine. 2,631,626, Mar. 17.

Snook, W. B., Mfg. Co., Inc., assignee: *See*—
Snook, Walter B., and Isenberg.

Snook, Walter B., and R. A. Isenberg, assignors to W. B. Snook Mfg. Co., Inc., Palo Alto, Calif. Apparatus for rapid X-ray exposures. 2,652,498, Sept. 15.

Snortland, Selmer G.: *See*—
Beers, Bobbie E., and Snortland.

Snow, Burke M. *See*—
Hauser, John M., and Snow.

Snow, Dale W., assignor to Boeing Airplane C... Seattle, Wash. Rotary electrical switch. ... Dec. 15.

Snow, Donald L., and C. S. Staub, Washingto... Chemical fume hood. 2,649,727, Aug. 25.

Snow, Ernest A., Jr., Amherst, Mass. Fertilize... and product. 2,639,231, May 19.

Snow, F. H., Canning Company Inc., The, assigne... Snow, Harold F.

Snow, Floyd E., Pasadena, Calif. Evaporative co... automatic feed. 2,634,112, Apr. 7.

Snow, Harold A., West Orange, N. J., assignor t... Products Corporation, Providence, R. I. Ga... 2,651,762, Sept. 8.

Snow, Harold F., assignor to The F. H. Snow... Company Inc., Pine Point, Maine. Soup ... 2,662,823, Dec. 15.

Snow, Herbert R.: *See*—
Snow, Raymond M., and H. R.

Snow, Kenneth T., assignee: *See*—
Olson, Raymond G.

Snow Manufacturing Company, assignee: *See*—
Goldberg, Herman.

Snow, Neil W., South Pasadena, Calif. Louve... and actuating mechanism. 2,641,465, June 9

Snow, Patricia L.: *See*—
Blout, Elkan R., Campbell, Corley, and Sn...
Blout, Elkan R., Corley, and Snow.

Snow, Raymond M. and H. R., Fresno, Calif. C... ing head. 2,661,218, Dec. 1.

Snow, Robert D., Bartlesville, Okla., assignor t... Petroleum Company. Method and apparatus f... distributing solid contact material. 2,655,273

Snowden, Franklin C.: *See*—
Marnon, Donald E., and Snowden.

Snowman, Paul A., Jr., Glen Ridge, N. J., as... North American Paper Process Company, ... York, N. Y. Coated paper and making same. ... Aug. 18.

Snow-Master, Inc., assignee: *See*—
Botnick, Irlin.

Snyder, Almond H.: *See*—
Rupp, John L., Dickover, Willihnganz, and ...
Maybach, Gerald E., and Snyder.

Snyder, Almond H., Lancaster, N. Y., assignor t... Battery Company, St. Paul, Minn. Storage ba... lift device. 2,638,490, May 12.

Snyder, Austin B., assignor to Owens Brush ... Toledo, Ohio. Apparatus and method for ... brushes. 2,651,810, Sept. 15.

Snyder, Clermont J., and W. G. MacLelland, Ha... Hudson, N. Y., assignors to Anaconda Wire ... Company. Cleaning cupreous articles. ... June 30.

Snyder, Edward G.: *See*—
Gray, Franklin D., and Snyder.

Snyder, Ellsworth B., Somerville, assignor to T... Manufacturing Company, Elizabeth, N. J. Bo... chine. 2,662,967, Dec. 15.

Snyder, Eugene L., Fort Lauderdale, Fla., assign... Hoover Company, North Canton, Ohio. Valve ... tool for suction cleaners. 2,624,064. Jan. 6.

Snyder, George: *See*—
Korsberg, John F., Gustafson, and Snyder.

Snyder, Harold R., Perkasie, Pa. Holder for fi... leaders. 2,658,300, Nov. 10.

Snyder, Harold V., Iowa Falls, Iowa. Telesc... ing column. 2,639,626, May 26.

Snyder, Harold V., Iowa Falls, Iowa. Skid fo... buildings. 2,646,285, July 21.

Snyder, Harry L., Jr., Detroit, Mich. Compo... textile finishing. 2,629,702, Feb. 24.

Snyder, Harry N., Indianapolis, Ind. Ventilat... ment for automobiles. 2,638,833, May 19.

Snyder, Howard J., and E. A. Gendron, Jr., Tu... Filtering apparatus. 2,660,312, Nov. 24.

Snyder, Jacob R., Cleveland, Ohio. Air-brake ... 2,629,638, Feb. 24.

Snyder, Jacob R., assignor to Thompson Prod... Cleveland, Ohio. Valved drum cap and spigot ... 2,630,131. Mar. 3.

Snyder, Jacob R., assignor to Thompson Prod... Cleveland, Ohio. Valved ring and spigot ... 2,630,338, Mar. 3.

Snyder, Jacob R., Cleveland, Ohio. Tie plate ... rail guard. 2,652,982, Sept. 22.

Snyder, Jacob R., assignor to Thompson Prod... Cleveland, Ohio. Drum valve assembly. ... Dec. 1.

Snyder, Jacob R., assignor to Thompson Prod... Cleveland, Ohio. Self-aligning quick disco... pling. 2,663,315, Dec. 22.

Snyder, Jacob R., Cleveland, and H. J. Eger, ... assignors to Thompson Products, Inc., Cleve... Valved ring and spigot assembly. 2,630,337.

Snyder, Jacob R., and F. J. Schenkelberger, a... Thompson Products, Inc., Cleveland, Ohio. ... venting drum cap and valve assembly. ... Dec. 1.

Snyder, James, Belmar, N. J., assignor to Uni... of America as represented by the Secreta... Army. Recirculating delay system. 2,629,82...

Snyder, James E.: *See*—
Lilley, William F., Snyder, and Stalter.
Swartz, Ruby J., and Snyder.

Snyder, James E., assignor to Wingfoot Corporation, Akron, Ohio. Container for fruits and vegetables. 2,633,238, Mar. 31.

Snyder, James E., Akron, and D. R. Burton, Uniontown, assignors to Wingfoot Corporation, Akron, Ohio. Package. 2,635,788, Apr. 21.

Snyder, John W., Youngstown, Ohio. Portable grill. 2,625,148, Jan. 13.

Snyder, Marty, New York, N. Y. Preparing fowl. 2,633,601, Apr. 7.

Snyder, Merton F., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Propeller clutch structure. 2,642,730, June 23.

Snyder Oil Tool Corporation, assignee: *See*—
Snyder, Robert E.

Snyder, Perry G., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Apparatus for piling sheet material. 2,636,736, Apr. 28.

Snyder, Peter, Hamden, assignor of one-half to W. W. Grano, North Haven, Conn. Safety load bracing device for vehicles. 2,626,165, Jan. 20.

Snyder, Philip, Baltimore, Md. Extension table slide mechanism. 2,646,323, July 21.

Snyder, Richard L., Jr.: *See*—
Morton, George A., Flory, and Snyder.

Snyder, Robert A.: *See*—
Slack, Alfred W., and Snyder.

Snyder, Robert E., Los Angeles, Calif., assignor to Snyder Oil Tool Corporation. Combined rotary and impact drill with fluid coupling. 2,641,445, June 9.

Snyder, Robert E., Pasadena, Calif., assignor to Snyder Oil Tool Corporation. Impact drill. 2,634,951, Apr. 14.

Snyder, Robert E., Pasadena, Calif., assignor to Snyder Oil Tool Corporation. Impact drill. 2,635,852, Apr. 21.

Snyder, Robert E., Pasadena, Calif., assignor, by mesne assignments, to Snyder Oil Tool Corporation. Accumulator. 2,663,320, Dec. 22.

Snyder, Robert V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Repair unit for tire valve stems. 2,652,858, Sept. 22.

Snyder, Sylvester S.: *See*—
Winter, Mahlon A., and Snyder.

Snyder, Willard G., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Hinge joint. 2,641,018, June 9.

Snyder, Willis W., Roslyn Heights, N. Y., assignor to Sylvania Electric Products Inc. Electrical circuit apparatus. 2,633,526, Mar. 31.

Soar, Harry G., Streatham Vale, London, assignor to Beck & Co. (Meters) Limited, London, England. Dispensing hose nozzle with metering device. 2,656,068, Oct. 20.

Soares, Joaquim P., and S. J. London, Norfolk, Mass. Moistureproof salt cellar. 2,643,797, June 30.

Soave, John G., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Machine for applying end stops to slide fasteners. 2,663,018, Dec. 22.

Sobaski, Genevieve, assignee: *See*—
Sobaski, Walter J.

Sobaski, Walter J., assignor to G. Sobaski, Chicago, Ill. Quick-acting hold-down clamp. 2,658,540, Nov. 10.

Soberg, Arnold S., Elmhurst, and A. Christensen, Wilmette, assignors to Sochris Development Company, Chicago, Ill. Well driller cleanout pump assembly. 2,638,851, May 19.

Soble, Leo F., Jonesville, Mich. Automatic throttle control. 2,656,024, Oct. 20.

Sobieski, Alex A.: *See*—
Gruss, George A., and Sobieski.

Sobisch, Johannes, assignor to Anker-Werke, A. G., Bielefeld, Germany. Cash register. 2,662,688, Dec. 15.

Sobotka, Harry, assignor to Mount Sinai Hospital Research Foundation, Inc., New York, N. Y. Water-soluble mono-betaine hydrazones of the aminochromes and preparing same. 2,655,510, Oct. 13.

Soccoli, Dom D., New Britain, Conn. Toast warming attachment for electric toasters. 2,659,295, Nov. 17.

Sochris Development Company, assignee: *See*—
Soberg, Arnold S., and Christensen.

Societa Applicazioni Gomma Antivibranti, assignee: *See*—
Boschi, Antonio.

Societa Italiana Ernesto Breda per Costruzioni Meccaniche, assignee: *See*—
Fantoni, Giovanni.
Sbrighi, Antonio.

Societa per Azioni Officine Galileo, assignee: *See*—
Franceschini, Lorenzo.

Société à Responsabilité Limitée, assignee: *See*—
Armelin, Maurice F.

Societe a Responsabilite Limitee dite: Hewittic, assignee: *See*—
Demontvignier, Marcel.

Société à Responsabilite Limitée dite: Société d'Etudes de Machines Speciales, assignee: *See*—
Chambon, Jean L.

Société Alsacienne de Constructions Mécaniques, assignee: *See*—
Bommelaer, Jean.
Ville, Jean A., Pages, and Herreng.

Societe Anonyme Andre Citroen, assignee: *See*—
Brueder, Antoine.
Du Rostu, Georges L.

Societe Anonyme de Commentry-Fourchambault et Decazeville, assignee: *See*—
Reygagne, Léonce M.

Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), assignee: *See*—
Mennesson, Marcel.

Societe Anonyme de l'Ecluse, assignee: *See*—
D'Heilly, Marcelle.

"Societe Anonyme des Ecremeuses Persoons," assignee: *See*—
Segebarth, Herman P.

Societe Anonyme des Etablissements Roure-Bertrand Fils & Justin Dupont, assignee: *See*—
Crabalona, Laurent L.

"Société Anonyme des Forges et Chantiers de la Mediterranee," assignee: *See*—
Valensi, Jacques.

Societe Anonyme des Machines Electrostatiques, assignee: *See*—
Morel, Roger.

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Arbeit, Pierre.
Arbeit, Pierre, Dubois, and Lambert.
Constant, Antime.
George, Henri.
Heymes, Pierre R., and Peyches.
Kepes, André.
La Burthe, Pierre H.
Lambert, Roger E.
Martin, Philippe T.
Monnet, Georges H. J.
Peyches, Ivan.
Peyches, Ivan, and Borel.
Thébault, Louis.
Touvay, Robert.

Societe Anonyme dite; Centre d'Etudes M. B. A., assignee: *See*—
Gourdon, Robert L.

Societe Anonyme dite "Centre d'Etudes M. B. A." (Mecanique, Ballistique, Armement), assignee: *See*—
Gourdon, Robert.

Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse, assignee: *See*—
Mataré, Herbert F.
Suer, René, Welker, Mataré, and Bethge.
Welker, Heinrich.

Societe Anonyme dite Compagnie Francaise de Raffinage, assignee: *See*—
Gislon, André, and Quiquerez.

Societe Anonyme dite: Etablissements Ducellier, assignee: *See*—
Delorme, Lucien.

Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, assignee: *See*—
Guillaume, André.
Nivoix, Jean.
Teszner, Stanislas.

Societe Anonyme dite: Machines Automatiques Bardet, assignee: *See*—
Total, Henri.

Société Anonyme dite: Societe des Piles Wonder, assignee: *See*—
Paillet, Robert.

Societe Anonyme dite: Societe Industrielle de Ferblanterie, assignee: *See*—
Pitavy, Pierre F. M.

Societe Anonyme dite: Societe Nationaleide Constructions Aeronautiques Du Sud-Est, assignee: *See*—
Lecarme, Jacques A. M.

Societe Anonyme John Cockerill, assignee: *See*—
Maldague, Pierre E. J. M.

Societe Anonyme Louvroil Montbard Aulnoye, assignee: *See*—
Hartemann, Georges.

Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz & Silva, assignee: *See*—
Claude, André.
Lemaigre-Voreaux, Pierre.

Société Anonyme so-called: Compagnie Electro-Mecanique, assignee: *See*—
Johanson, Knut.

Societe Anonyme styled: Compagnie Electro-Mecanique, assignee: *See*—
Brunand, André.

Societe Anonyme Usines Decoufle, assignee: *See*—
Rault, Michel.

Societe: Chimie et Atomistique, assignee: *See*—
Poulenc, Pierre, Gauthier, and Kirchhoffer.

Societe Civile d'Etudes pour la Fabrication de Produits Industriels Manufactures (S. E. P. I. M.) assignee: *See*—
Lacout, Georges A.

"Societe d'Appareils de Controle et d'Equipment des Moteurs" (S. A. C. E. M.) S. A. R. L., assignee: *See*—
Mennesson, Marcel.

Societe de Constructions Mecanique de Stains, assignee: *See*—
De Lacotte, Robert H., and Teissier.

Societe de la Pile Leclanche, assignee: *See*—
Emériat, Raymond.

Societe de la Viscose Suisse, assignee: *See*—
Zingg, Emil F.

Societe de Recherches Techniques et d'Exploitations Industrielles, assignee: *See*—
Trembley, Fernand.

Societe de Technique Industrielle, assignee: *See*—
Petit, Daniel.

Societe d'Electricite Mors, assignee: *See*—
Le Goff, Lucien J. A

Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine, assignee: *See*—
Marquaire, Charles.
Néel, Louis.
Sablé, André.

Societe d'Electronique et d'Automatisme, assignee: *See*—
Gloess, Paul F. M., and Raymond.

Societe d'Epuration et d'Entreprises, Societe Anonyme, assignee: *See*—
Rekk, Boris.

Societe des Accumulaterus Fixes et de Traction, assignee: *See*—
Herold, Victor.
Jacquier, Pierre A. C.
Jeannin, Robert A. A.
Salauze, Jean.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Casati, Lucienne A. M., Gonnard, and Lahousse.
Charpentier, Paul.
Chevalier, Pierre J.
Gonnard, Jean L., and Lahousse.
Jacob, Robert M.

Societe d'Etudes Chimiques pour l'Industrie et l'Agriculture, assignee: *See*—
Sourdet, Maurice.

Societe d'Etudes de Machines Speciales, assignee: *See*—
Armelin, Maurice F.
Chambon, Jean L.

Societe d'Etudes de Machines Speciales Societe a Responsabilite Limitee, assignee: *See*—
Chambon, Louis J.

Societe d'Etudes et d'Applications Techniques S. E. D. A. T., assignee: *See*—
Gallice, Pierre, and P. and L. Nogier.

Societe d'Etudes et de Constructions Aero-Navales, assignee: *See*—
Mercier, Pierre.

Societe d'Etudes et de Modernisations pour l'Industrie Textile (S. A. R. L.), assignee: *See*—
Leblanc, Maurice E.

Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie, S. A., assignee: *See*—
Huber, Robert.

Societe d'Exploitation de Brevets, assignee: *See*—
Petit, Jean F. G.

Societe d'Exploitation des Materiels Hispano-Suiza, S. A., assignee: *See*—
Blanc, Jacques.

Societe d'Installation et d'Appareillage, assignee: *See*—
Pauget, Georges.

Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., assignee: *See*—
Conway, Hugh G., Orloff, and Fairclough.
Levy, René L.

Societe d'Investigation & d'Exploitation de Brevets, assignee: *See*—
Ståhlberg, Gösta E.

Societe dite: Centre D'Etudes M.B.A., assignee: *See*—
Jasse, Raymond.

Societe dite: Etablissments & Laboratoires Georges Truffaut, assignee: *See*—
Hampe, Pierre.

Société dite: Saint Frères, Societe Anonyme, assignee: *See*—
Depolily, Paul.

Societe dite: Societe Anonyme des Roulements a Aiguilles, assignee: *See*—
Levy, René L.
Pitner, Alfred.

Société dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Banger, Louis, and Roty.

Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Societe Anonyme, assignee: *See*—
Garnier, Michel R., and Poujade.

Société dite: Usines Gallus (Societe Anonyme), assignee: *See*—
Brosselin, Michel.

Societe E. C. T. A. (Societe d'Entreprise de Construction et de Travaux d'Art), assignee: *See*—
Hoguet, Jules.

Societe Française de Materiel Agricole et Industriel (Societe Anonyme), assignee: *See*—
Tronquit, Pierre E.

Societe Française Radio-Electrique, assignee: *See*—
Chauveau, Louis.

Societe Generale d'Electronique, assignee: *See*—
Auphan, Michel.

Societe Generale Metallurgique de Hoboken, assignee: *See*—
De Merre, Marcel.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Mottu, André.

Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), assignee: *See*—
Poult, Robert.

Societe Industrielle pour la Rayonne "S. I. P. R. A.," assignee: *See*—
Abbe, Marius.

Societe Jaruza A. G. Chur, assignee: *See*—
Zarn, Adolphe.

Societe La Cellophane (Suisse), assignee: *See*—
Brandenberger, Jacques E.

Societe Le Teleampliphone, assignee: *See*—
Jeanlin, Pierre.

Société: Maison Neyret, assignee: *See*—
Robin, Roger.

Societe Nationale de Constructions Aeronautiques des Sud-Ouest (Societe Anonyme), assignee: *See*—
Maillard, Francis, Laville, and Cantinieau.

Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Bertin, Jean H., and Marchal.

Societe Normande de Produits Chimiques, assignee: *See*—
Delaune, Paul, and Huet.

Societe Novacel, assignee: *See*—
Drisch, Nicolas, and Fays.

Societe P. R. I. M. Societe Anonyme Holding de Perfectionnements et de Recherches Industrielles et Mecaniques Merch Lez, assignee: *See*—
Jamotte, Georges C. F. J. G.

Societe Pinguely, Ville-Gozet, assignee: *See*—
Garnier, Paul.

Société: Pompes Noel, Liverdun (Meurthe-et-Moselle), assignee: *See*—
Cavallier, Jean A.

Societe pour le Renforcement des Domes de Reservoirs a Petrole, assignee: *See*—
Mercier, Robert M.

Societe pour l'Exploitation de Procedes de Fabrication de Produits Electro-Chimiques et Electro-Metallurgiques Industriels, assignee: *See*—
Fabaron, Paul F.

Societe pour l'Union des Transports Ferroviaires et Routiers (U. F. R.), assignee: *See*—
Porte, René.

Societe Rateau (Societe Anonyme), assignee: *See*—
Hermitte, Louis A., and Sédille.
Schwarz, Marcel G.
Sédille, Marcel H. L.
Waeselynck, Raymond F. M.

Societe Rhodiaceta, assignee: *See*—
Issartial, Claude.

Societe Savoisienne de Constructions Electriques, assignee: *See*—
Egger, Léon.
Egger, Léon J.

Societe Schneider and Cie, assignee: *See*—
Borel, Joseph A.

Societe Solex, assignee: *See*—
Griffon, Gaston.

Societe Sovel Vehicules Electriques Industriels, assignee: *See*—
Nussberger, René, and Pellat-Finet.

Societe Technique pour l'Industrie Nouvelle S. A., "Stin," assignee: *See*—
Heilpern, Walter G., and Vogt.

Society Brevets Aero-Mecaniques, S. A., assignee: *See*—
Maillard, Bernard.

Society Electro-Mecanique de l'Aveyron, assignee: *See*—
Bessière, Pierre E.

Society "La Radio-Industrie," S. A., assignee: *See*—
De France, Henri G.

Society Machines Chambon, assignee: *See*—
Chambon, Louis J.

Society of the Plastics Industry, Inc., The, assignee: *See*—
Biegen, James R.

Society Refroidisseur Trepaud S. A. R. L., The, assignee: *See*—
Trépaud, Georges.

Society: "Tele-Industrie," S. A. R. L., assignee: *See*—
De France, Henri, and Bocquel.

Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Cutting web into strips. 2,648,380, Aug. 11.

Socke, John E., Pelham Manor, assignor to American Can Campany, New York, N. Y. Apparatus for soldering side seams of cans. 2,649,749, Aug. 25.

Socke, John E.: *See*—
Woolford, Custis S., and Socke.

Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Machine for feeding and positioning containers in a desired pattern arrangement. 2,636,592, Apr. 28.

Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Conveyer mechanism with article turning units. 2,643,778, June 30.

Sockell, William J., Raleigh, N. C. Journal box lubricator. 2,657,959, Nov. 3.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Andress, Harry J., Jr.
Andress, Harry J., Jr., and Nelson.
Atwood, Edwin H., and Keiper.
Augustine, Frederick B.
Barnes, Brunner C.
Barnes, James I., and Pukkila.
Bergstrom, Eric V.
Bergstrom, Eric V., and Sorf.
Broding, Robert A.
Brooks, John W., and Lukasiewicz.
Brown, Clayton W., and Keyser.
Bruins, Paul F., Wilkinson, and Rittershausen.
Butcosk, Richard A.
Castner, George P.
Clewell, Dayton H.
Clewell, Dayton H., and Rust.
Coonradt, Harry L., Rope, and Sachanen.
Cranmer, John M.
Crowley, John A., Jr.
Daigle, Earl C.
Dennis, Franklin L., King, and Myers.
Denton, William I., and Bishop.
Dodge, Wesley J.
Drake, Leonard C., and Smith.
Eastwood, Sylvander C.
Evans, Louis P.
Feasley, Charles F.
Feasley, Charles F., and Stover.
Francis, Alfred W.
Francis, Alfred W., and Johnson.
Godsey, Jack M.
Gorin, Everett.
Gorin, Everett, and Kinney.
Green, Phillip M.
Hartough, Howard D.
Hartough, Howard D., Dickert, and Meisel.
Heath, Donald P.
Johnson, George C.
Killingsworth, Robert B.
Kozacik, Alfred P., and Nygaard.
Landis, Phillip S., and Backensto.
Lang, William H., and Gutzeit.
Lang, William H., Stover, and Gutzeit.
Laug, Ernst.
Lichty, Lester C.
Loper, George B.
Loper, George B., and Heaps.
Lukasiewicz, Sigmund J., and Denton.
Lukasiewicz, Sigmund J., Denton, and Plank.
Lund, Arthur D.
Marisic, Milton M.
McLoad, Kenneth W.
Middleton, William R.
Moulthrop, Benjamin L.
Myers, Harold C., and Pukkila.
Myers, Harold C., Pukkila, and Barnes.
Myers, Harold C., Pukkila, Houser, and King.
Myers, Harold C., Pukkila, and Petry.
Olson, Dan A. H.
Orkin, Bernard.
Orkin, Bernard A.
Otto, Ferdinand P., Manley, and White.
Otto, Ferdinand P., and Reiff.
Payne, Grady L.
Payne, John W.
Plank, Charles J., and Hansford.
Press, Frank.
Reichertz, Paul P.
Richter, Frederick P.
Richter, Frederick P., and Fuller.
Schick, John W., and Hartough.
Schlesman, Carleton H.
Schroeder, Edward A.
Smith, Robert L.
Staff, William S.
Stover, William A.
Sturgis, Robert P.
Summers, Gerald C.
Swerdloff, Will.
Updegraff, David M., and Wren.
Watkins, Thomas E.
Wehrle, Joseph J.
Weisz, Paul B.
White, Ralph V., and Landis.
White, Ralph V., and Norris.
Wilson, Robert C., Jr.
Winterhalter, James S.
Zimmerman, Carl W.

Söderhamns Verkstäder Aktiebolag, assignee: *See*—
Ellström, Axel S.

Soderman, George W.: *See*—
Geary, Edward S., and Soderman.

Soderstrom, Harry W.: *See*—
McPhee, Kenneth H., and Soderstrom.

Soehl, John, and W. C. Huffman, Winthrop, Minn. Ensilage cutter. 2,655,361, Oct. 13.

Soehner, Howard C., assignor to The Mengel Company, Louisville, Ky. Drawer slide for cabinets. 2,657,968, Nov. 3.

Soehner, Howard C., assignor to The Mengel Company, Louisville, Ky. Producing plywood with a paper-faced platen. 2,660,548, Nov. 24.

Soenksen, Edwin, De Witt, Iowa. Fishing rod holder. 2,642,690, June 23.

Soffel, Robert O.: *See*—
Fritschi, Walter W., Soffel, and Weaver.
Hoth, Daniel F., and Soffel.

Soffer, Jack W., assignor to Development Research, Inc., St. Louis, Mo. Tamperproof container closure. 2,643,015, June 23.

Soffer, Milton D., Northampton, Mass., assignor to Research Corporation, New York, N. Y. L,1-disubstitution products of 2-tetralones. 2,644,836, July 7.

Sofield, Le Roy: *See*—
Kapp, Roland, Chodroff, and Sofield.

Sogn, Allen W., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Reduction of aromatic nitrogen compounds. 2,645,636, July 14.

Sohn, Allen O.: *See*—
Weber, Herbert H., and Sohn.

Sohn, Frederick H., Rochester, N. Y. Device for sharpening hypodermic needles. 2,635,398, Apr. 21.

Sohn, Walter H., Rochester, N. Y. Valve for container washers. 2,646,244, July 21.

Sohon, Harry: *See*—
Bollinger, Waldon P., and Sohon.

Sohon, Harry, Havertown, Pa., and H. F. Baker, Moorestown, N. J., assignors to Radio Corporation of America. Phase shifter. 2,648,811, Aug. 11.

Sokol, Herman, Hasbrouck Heights, N. J., and R. P. Popino, Brooklyn, assignors to Heyden Chemical Corporation, New York, N. Y. Purification of streptomycin. 2,653,151, Sept. 22.

Sokolik, Edward, New Brighton, Minn. Combined fishhook and live bait cage. 2,636,306, Apr. 28.

Sokolik, Edward, New Brighton, Minn. Regulating pour-out for bottles. 2,639,839, May 26.

Sokolik, Edward, New Brighton, Minn. Colonic-vaginal irrigator. 2,644,451, July 7.

Sokolik, Edward, New Brighton, Minn. Insect electrocuting appliance. 2,661,566, Dec. 8.

Sokolov, David A., Lynn, assignor to Hytron Radio & Electronics Co., Salem, Mass., a division of Columbia Broadcasting System, Inc. Electron tube. 2,646,524, July 21.

Sokolowski, Adam, Conrath, Wis. Ice fishing device. 2,627,689, Feb. 10.

Solar Aircraft Company, assignee: *See*—
Bentsen, William J.
Heath, William C.
Hodgson, Grant B.
Wosika, Leon R.
Zakarian, Arsham D.

Solar Corporation, assignee: *See*—
Castner, George P.
Lund, Arthur D.
Roth, Walter J.

Solar Engineering & Equipment Company, assignee: *See*—
Riley, Ray J.

Solar Manufacturing Corporation, assignee: *See*—
Martin, Robert L.

Solari, Alfredo, Buenos Aires, Argentina. Swivel joint for multiconductor electric cables. 2,645,759, July 14.

Soldan, Lewis E., San Diego, Calif., assignor to Productive Equipment Corporation, Chicago, Ill. Vibrating equipment. 2,648,441, Aug. 11.

Soldner, Jack O., Willoughby, Ohio. Fountain marking device with work operable valve. 2,624,902, Jan. 13.

Sollenberger, Lester D.: *See*—
Broussard, Robert F., Miller, Sollenberger, and Christensen.

Solliday, Raymond E., and S. A. Steere, assignors to Wingfoot Corporation, Akron, Ohio. Thread gauging and flaw detecting device. 2,657,450, Nov. 3.

Solliday, Raymond E., and S. A. Steere, assignors to Wingfoot Corporation, Akron, Ohio. Stop motion device for strand manipulating apparatus. 2,657,451, Nov. 3.

Sollinger, Ferdinand: *See*—
Cervino, Michael, and Sollinger.

Sollinger, Ferdinand P., Paterson, N. J., assignor to Curtiss-Wright Corporation. Fluid pressure speed sensing device. 2,642,275, June 16.

Sollinger, Ferdinand P., Paterson, N. J., assignor to Curtiss-Wright Corporation. Turbine blade construction. 2,656,146, Oct. 20.

Solloway, Harry, and T. L. Bonkowski, Los Angeles, Calif. Hair curler. 2,639,720, May 26.

Solo Products Corporation, assignee: *See*—
Feyrer, William F.

Soloff, Milton, Flushing, N. Y. Internal carving machine. 2,651,975, Sept. 15.

Solomon, Daniel, assignor to Wagner-Woodruff Co., Los Angeles, Calif. Lighting fixture having angularly upwardly directed spot lamps. 2,658,137, Nov. 3.

Solomon, Edna, settlor: *See*—
Solomon, Louis.

Solomon, Ernest: *See*—
Burton, William P., and Solomon.

Solomon, Frank: *See*—
Brill, Otto H., and Solomon.

Solomon, Gary B.: *See*—
Solomon, Louis.

Solomon, Howard D.: *See*—
Solomon, Louis.

Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Voltage compensator for three phase to single phase systems. 2,634,396, Apr. 7.

Solomon, Leonard J., Forest Hills, N. Y. Changeable exhibitor. 2,654,172, Oct. 6.

Solomon, Louis, Chicago, Ill., assignor to H. A. Lubin and S. V. Adelman, as trustees under a certain trust agreement dated Oct. 31, 1942, made by L. and E. Solomon as settlors for the benefit of H. D. and G. B. Solomon. Toy steering wheel and gearshift. 2,662,341, Dec. 15.

Solomon, Nathan L., Englewood, N. J. Hair curler. 2,630,810, Mar. 10.

Solomons, Isaiah A., III: *See*—
Brunings, Karl J., Feeney, and Solomons.

Solon, Philip O., Oakland, Calif. Ellipsograph. 2,654,952, Oct. 13.

Solonen, Nicholas W.: *See*—
Randall, David I., and Solonen.

Solonen, Nicholas W., and D. I. Randall, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. 2,2'-(2,5-lower dialkoxy-p-phenylene)-di-(anthra[2,1] thiazole-6,11-diones). 2,652,400, Sept. 15.

Solotone Corporation, assignee: *See*—
Wilson, Forrest E., and Allen.

Solovieff, George B.: *See*—
Russell, Fred J., Dietrich, and Solovieff.

Solovioff, Nicholas N., Great Neck, N. Y. Fishing lure. 2,636,316, Apr. 28.

Solovioff, Nicholas N.: *See*—
Cowen, Lawrence, and Solovioff.

Soloway, Samuel B.: *See*—
McKenna, Thomas G., Soloway, Lidov, and Hyman.

Solter, Robert L.: *See*—
Burns, Robert S., and Solter.

Soltow, John F., North Royalton, and A. W. Kozie, Brooklyn Village, Ohio. Roofing knife having a reversible and retractable blade. 2,650,422, Sept. 1.

Solum, Kenneth W., Long Beach, Calif. Tubing rotating device for oil wells. 2,630,181, Mar. 3.

Solvay & Cie, assignee: *See*—
Basilewsky, Alexis.
Leblon, Emile.

Somers, Allen E.: *See*—
Harrison, James M., and Somers.

Somers, Frank J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Film pulldown mechanism for television. 2,625,602, Jan. 13.

Somers, Lysle E., Los Angeles, Calif. Hydraulic transmission. 2,652,911, Sept. 22.

Somers, Richard M.: *See*—
Dann, Charles W., and Somers

Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic reproducing machine. 2,660,623, Nov. 24.

Somers, Shirley C., Los Angeles, Calif. Antisyphon valve. 2,627,278, Feb. 3.

Somerset Machine & Tool Co., Inc., assignee: *See*—
Vergnani, Evo, S. E., and M. H.

Somerstein, Fred, assignor to Crossly Window Corp., Miami, Fla. Awning-type window and operating means therefor. 2,642,967, June 23.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,628,273, Feb. 10.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Square corner joint core. 2,632,798, Mar. 24.

Sommar, Helen G.: *See*—
Chaney, David W., and Sommar.

Sommer, Alfred, Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Manufacturing mosaic screens for use in television transmitting tubes. 2,661,304, Dec. 1.

Sommer, Benjamin L., Evanston, Ill. Sectional boat. 2,650,376, Sept. 1.

Sommer, Benjamin L., Peoria, Ill. Centrifugal paint sprayer. 2,648,568, Aug. 11.

Sommer, Friedrich: *See*—
Lohs, Willy, and Sommer.

Sommer, Harry J.: *See*—
Harman, Denham, and Sommer.
Illman, John C., and Sommer.
Irvine, Vanan C., and Sommer.

Sommer, Harry J., Lafayette, T. B. Albin, Oakland, and P. H. Williams, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Organic acid-polyamine adducts. 2,636,028, Apr. 21.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. t-Butylsilanes. 2,626,270, Jan. 20.

Sommer, Leo H., Cambridge, Mass., assignor to Dow Corning Corporation, Midland, Mich. Ketosilanes. 2,635,108, Apr. 14.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Triorganosilyl-substituted diketones. 2,634,282, Apr. 2.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Bis-triorganosilylamines. 2,634,283, Apr. 7.

Sommer, Leo H., State College, Pa., assignor to Dow Corning Corporation, Midland, Mich. Production of silalactones. 2,635,109, Apr. 14.

Sommer, Leo H., State College, Pa., assignor to Do
ing Corporation, Midland, Mich. Aminosi
2,662,909, Dec. 15.

Sommer, Leo H., State College, Pa., assignor to Do
ing Corporation, Midland, Mich. Ketosi
2,662,910, Dec. 15.

Sommerfield, Edmund H.: *See*—
Stoesser, Wesley C., and Sommerfield.

Sommerhauser, Louis P., Sioux Falls, S. Dak. Ha
ing box. 2,631,721, Mar. 17.

Sommers, Armiger H.: *See*—
Weston, Arthur W., and Sommers.

Sommers Bros. Mfg. Co., assignee: *See*—
Sommers, Carl J.

Sommers, Carl J., assignor to Sommers Bros. Mfg.
Louis, Mo. Electroplating apparatus. 2,642,3
16.

Sommers, Paul H., Montgomery, Ala. Plaster ap
2,630,703, Mar. 10.

Sommers, Paul H., Montgomery, Ala. Means to f
the laying of masonry units. 2,663,182, Dec. 22

Sommers, Paul H., Montgomery, Ala. Means t
tate the laying of masonry units. 2,648,974,

Sommers, Paul H., Montgomery, Ala. Means to f
the laying of masonry units. 2,652,714, Sept. 2

Sommers, Walter J.: *See*—
Gricar, Frank T., Jr., Sommers, and Meyer.

Somogyi, Francis P., London, England. Heat-treat
materials. 2,654,588, Oct. 6.

Somogyi, Francis P., London, England. Construct
operation of vertical shaft furnaces. 2,654,589

Somogyi, Francis P., London, England. Operation
tical shaft furnaces. 2,654,594, Oct. 6.

Somogyi, Francis P., London, England. Shaker c
2,657,789, Nov. 3.

Sondermann, Karl: *See*—
Untermann, Walter, Sondermann, and Milber

Sondern, Clarence W., Mendham, and P. J. B
Glen Ridge, assignors to White Laboratories,
rated, Newark, N. J. Production of thiazoly
2,639,285, May 19.

Sonderstrup, Christian A., Maywood, Ill., assignor
Products Company. Fulcrum grab. 2,646,305,

Sonia, Joseph A., and E. H. Scremin, assignors to
Electrochemical Company, Niagara Falls, N. Y.
of trichloroacetic acid. 2,634,290, Apr. 7.

Sonic Research Corporation, assignee: *See*—
Horsley, Caperton B., and Seavey.
Seavey, Gordon C.

Sonnabend, Lawrence F.: *See*—
Edmunds, Alvin M., and Sonnabend.

Sonnabend, Lawrence F., and A. M. Edmunds, a
to The Dow Chemical Company, Midland, Mich
lytic hardening of phenol-formaldehyde resins a
positions comprising same. 2,655,490, Oct. 13.

Sonnberger, Rudolph, assignor to R. J. Ederer C
Chicago, Ill. Knot and ¾.. 2,641,951, June 16.

Sonneborn, L., Sons, Inc., assignee: *See*—
Bevevino, Angelo J.
Faust, Jacob.

Sonnenberg, Rudolph, assignor to Mid-West Bo
Co., Belvidere, Ill. Making bottle closures. 2,
May 26.

Sonnenberg, Rudolph, Belvidere, Ill. Bottle hood
capping mechanism. 2,662,679, Dec. 15.

Sonnenschein, Abraham H.: *See*—
Finke, Herbert A., and Sonnenschein.

Sonnett, Frederick W., Winnipeg, Manitoba,
Mechanical golf practice apparatus. 2,656,720,

Sonneville, Roger, Paris, France. Railway sleeper
forced concrete with rail fastening bolts. 2,
Oct. 20.

Sonnichsen, Francis, assignee: *See*—
Reistad, Rolf.

Sonntag, Alfred, Greenwich, Conn., assignor, b
assignments, to Talon, Inc. Slide fastener
2,632,344, Mar. 24.

Sonntag, Francis R., Dallas, Tex. Wall and ceil
tector and ventilator. 2,657,626, Nov. 3.

Sonntag, Karl F., Watertown, assignor to Scovil
facturing Company, Waterbury, Conn. Key
2,628,492, Feb. 17.

Sonoco Products Company, assignee: *See*—
Broadbent, William B., and Sing.
Dunlap, Charles K.
Guyer, Frank C.
Parsons, Ellis H.

Sonotone Corporation, assignee: *See*—
Carlisle, Richard W.

Sontheimer, Carl G., Riverside, Conn., assignor
Liquidometer Corporation, Long Island City
Bridge-type capacitance liquid level gauge. 2
May 12.

Sontheimer, Carl G., Riverside, Conn. System re
to liquid levels. 2,662,404, Dec. 15.

Sontheimer, Carl G., Riverside, Conn., assignor
Liquidometer Corporation, Long Island City
Frequency-sensitive apparatus for indicating t
nitude of a condition and limit indication mean
for. 2,664,556, Dec. 29.

Sookne, Arnold M.: *See*—
Brown, Alfred E., Sookne, and Minor.

Soop, Earl F.: *See*—
Langdon, William K., and Soop.

Sooy, Brainard E.: *See*—
Fisher, Harry C., and Sooy.
Sopocko, Witold, Phoenixville, Pa. Illuminated sign. 2,631,394, Mar. 17.
Soppeland, Clair G., Minneapolis, Minn. Rain shade attachment. 2,627,912, Feb. 10.
Sorber, A. P., North Hollywood, Calif. Liquid level gauge. 2,634,608, Apr. 14.
Soreng Products, Inc., assignee: *See*—
Frerer, Paul G., and Smith.
Sorensen, Carl P., Chicago, Ill. Safety locking device for manually operated circuit breakers. 2,663,768, Dec. 22.
Sorensen & Company, Inc., assignee: *See*—
Bamblasky, Adolph.
Helterline, Leo L., Jr.
Henrich, William H.
Levy, Ernest, Jr.
Sorensen, Einar N.: *See*—
Domek, Daniel A., and Sorensen.
Sörensen, Emil, and H. Scharf, assignors to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Molding method. 2,645,836, July 21.
Sorensen, George E., Fairfield, Conn., assignor to Woodward Governor Company, Rockford, Ill. Speed governor. 2,660,421, Nov. 24.
Sörensen, Harald M., Fruens Boge, Denmark, and H. Forssell, Ludvika, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Spare connected polyphase transductor. 2,640,963, June 2.
Sorensen, Harold C., Manitowoc, Wis. Fire and burglar alarm. 2,625,902, Jan. 20.
Sorensen, Imanuel, Copenhagen, Denmark. Liquid level gauge. 2,647,406, Aug. 4.
Sorensen, Lee S., Long Beach, Calif. Oil tool. 2,650,664, Sept. 1.
Sorensen, Phillips N., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Means for inductively heating narrow elongated portions of cylindrical bodies. 2,632,840, Mar. 24.
Sorensen, Phillips N., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Heating opposed edges of elongated members. 2,652,474, Sept. 15.
Sorensen, Phillips N., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. High-frequency inductor. 2,655,589, Oct. 13.
Sorenson, Jennie S., assignee: *See*—
Hennings, Charles H.
Sorenson, Roy A., Fords, assignor to Nixon Nitration Works, Nixon, N. J. Plastic molding powder and the manufacture thereof. 2,654,716, Oct. 6.
Sorf, Edward R.: *See*—
Bergstrom, Eric V., and Sorf.
Sorg, Harold E.: *See*—
Eitel, William W., McCullough, and Sorg.
Sorg, Harold E., Redwood City, H. H. Eaves, Palo Alto, and D. F. Drieschman, Los Altos, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Ceramic electron tube. 2,647,218, July 28.
Sorg Paper Company, The, assignee: *See*—
Fridolph, John S.
Loeser, Donald B.
Soroka, Theodore J., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Fender shield. 2,655,389, Oct. 13.
Sorondo, Marcelo S., curator: *See*—
Gerber, Eugenio.
Sorteberg, Johannes, Bath, Pa. Automatically balanced force bridge. 2,643,055, June 23.
Sorteberg, Johannes, Bath, Pa. Ball confining club for croquet. 2,657,056, Oct. 27.
Soss Manufacturing Company, assignee: *See*—
Wilson, Robert J.
Soss, Mark, Spokane, Wash. Waxer. 2,636,204, Apr. 28.
Soss, Mark, Spokane, Wash. Seeding machine. 2,643,623, June 30.
Sottile, Samuel R., Patton, Pa. Guitar and sling combination. 2,643,039, June 23.
Soubiran, André: *See*—
Monsaalli, Alexis J. M., Soubiran, and Chabrier.
Soucek, Dominick, Cicero, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer feeding and proportioning apparatus. 2,642,980, June 23.
Soucek, Robert H., assignee: *See*—
Bayles, Donald C.
Soucy, Harold A.: *See*—
Riddell, George, and Soucy.
Soudometal Societe Anonyme, assignee: *See*—
Mouton, René-Jacques F. D. R.
Souget, Matthys L. M., and N. L. Chalfin, New York, N. Y., said Chalfin assignor to said Souget. Telephone amplifying apparatus. 2,632,811, Mar. 24.
Soukaras, Komnenus M., Miami, Fla. Phase comparing system. 2,644,133, June 30.
Soule, Arthur H., San Marino, assignor to Continental Specialties Company, Ltd., Los Angeles, Calif. Awning type window. 2,658,750, Nov. 10.
Soulé, Charles W., Reno, Nev., assignor to J. C. Soulé, Washington, D. C. Flight training apparatus. 2,662,304, Dec. 15.
Soule, Edward C., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Calcium hypochlorite detergent composition. 2,634,238, Apr. 7.
Soule, Edward C., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Thallophytocidal composition containing metal-hydrazine salts and using the same. 2,659,688, Nov. 17.
Soulé, Jessie C., assignee: *See*—
Soulé, Charles W.
Soundscriber Corporation, The, assignee: *See*—
Balmer, Donald F.
Stone, Robert L.
Sourdet, Maurice, assignor to Societe d'Etudes Chimiques pour l'Industrie et l'Agriculture, Paris, France. Producing a fertilizer from phosphate rock. 2,643,948, June 30.
Soussloff, Dimitri G., Warwick, and A. C. White, Greenwood, assignors to Universal Winding Company, Cranston, R. I. Spindle mounting. 2,648,948, Aug. 18.
Soussloff, Dimitri G., Warwick, A. C. White, Greenwood, and R. G. Hilbert, Smithfield, assignors to Universal Winding Company, Cranston, R. I. Bobbin hanger. 2,649,253, Aug. 18.
Soussloff, Dimitri G., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,663,507, Dec. 22.
Souter, Eugene H., Evanston, Ill. Automatic squeeze riveter. 2,662,429, Dec. 15.
Souter, John C., West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding electrode. 2,655,583, Oct. 13.
South, Willard A., Minneapolis, Minn. Window construction. 2,661,507, Dec. 8.
Southard Enterprises Inc., assignee: *See*—
Southard, Frank W.
Southard, Frank W., Freeport, assignor to Southard Enterprises Inc., Bellmore, N. Y. Anchor. 2,625,898, Jan. 20.
South Bend Lathe Works, assignee: *See*—
Frushour, Russel E.
South Chester Corporation, assignee: *See*—
Hale, William C., Jr.
Southerland, Francis M., Mebane, N. C. Hosiery board. 2,663,469, Dec. 22.
Southern Air Conditioning Corporation, assignee: *See*—
Wilson, Broadus, and Hincz.
Southern Cotton Oil Company, The, assignee: *See*—
Royce, Harvey D.
Southern Detector Corporation, assignee: *See*—
Goodman, Wolf.
Southern Dyestuff Corporation, assignee: *See*—
Robinson, Ewen D., and Mason.
Southern Household Products Company, Inc., assignee: *See*—
Smith, Luther A.
Southern Iron & Equipment Company, assignee: *See*—
Gibson, Eugene C.
Southern Mills, Inc., assignee: *See*—
Skelton, Jack A.
Southern Production Company, Inc., assignee: *See*—
Isham, Robert M.
Southern, Raymond L., Troy, N. Y., assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Crucible interchanging mechanism for arc melting furnaces. 2,651,668, Sept. 8.
Southern, Raymond L., Troy, N. Y., assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Feed and current supply apparatus for consumable electrodes and operating furnaces using the same. 2,662,104, Dec. 8.
Southern California Glass Co., Inc., assignee: *See*—
Backman, John W.
Southern States Equipment Corporation, assignee: *See*—
Matthews, William D., and Curtis.
Southway, Arthur, Twickenham, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Moistening means for planographic printing machines. 2,654,314, Oct. 6.
Southwest Metal Industries, assignee: *See*—
MacKenzie, James.
Southwest Products Co., assignee: *See*—
Potter, Lee R.
Southwestern Development Company, assignee: *See*—
Norway, Harold L., and Perry.
Southwick, Alfred M., South Shields, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Housing for electrical components. 2,636,929, Apr. 28.
Southwick, Philip L., Pittsburgh, Pa., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Making naphthaleneacetic acid. 2,655,531, Oct. 13.
Southwick, William S., East Lynn, assignor to Thomson Electric Welder Company, Lynn, Mass. Apparatus for delivering welded wire fabric. 2,646,277, July 21.
Southworth Company, assignee: *See*—
Southworth, Melvin D.
Southworth, George C., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective electromagnetic wave system. 2,636,125, Apr. 21.
Southworth, George H., assignor to Corning Glass Works, Corning, N. Y. Glass working implement temperature control. 2,658,687, Nov. 10.
Southworth Machine Company, assignee: *See*—
Aberle, Roy.
Southworth, Melvin D., Springfield, assignor to Southworth Company, West Springfield, Mass. Cleaning device for dandy rolls. 2,633,779, Apr. 7.
Sowa, Adam P., Grand Rapids, Mich. Fishline bobber. 2,631,399, Mar. 17.

Sowa, Frank J., Cranford, N. J. Weed killer. 2,626,211, Jan. 20.
Sowa, Frank J., Cranford, N. J. Selective herbicidal composition. 2,626,212, Jan. 20.
Sowa, Frank J., Crandon, N. J. Addition compounds of amines and halides of aluminum and boron. 2,655,524, Oct. 13.
Sowell, Luther E., Iredell, Tex. Gear-operated pivoted-jaw vise. 2,634,639, Apr. 14.
Sowitsky, Joseph, assignee: *See*—
Malkin, John.
Sowitsky, Joseph, Millville, N. J. Spring gun. 2,653,592, Sept. 29.
Sowter, Anthony B., Wembley, assignor to The General Electric Company, Limited, London, England. Cold welding of metal. 2,639,633, May 26.
Sowter, Anthony B., Wembley, assignor to The General Electric Company, Limited, London, England. Apparatus for cold welding of metal. 2,639,634, May 26.
Spack, Maurice, Brookline, Mass., assignor to Connecticut Footwear, Inc., Shelton, Conn. Producing retainer-welt slipper. 2,659,911, Nov. 24.
Spaenig, Hermann: *See*—
Hopff, Heinrich, and Spaenig.
Spaeth, Irvin J., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,627,947, Feb. 10.
Spahn, Edward C., Portsmouth, Va. Double-acting master cylinder brake control. 2,640,324, June 2.
Spain, Roy C., Salem, Va., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lever tumbler cylinder lock. 2,648,973, Aug. 18.
Spain, Roy C., Salem, Va., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Side bar cylinder lock. 2,660,876, Dec. 1.
Spalding, A. G., & Bros. Inc., assignee: *See*—
Wheeler, Ralph F.
Wheeler, Ralph F., Preston, and West.
Spalding, C. A., Company, assignee: *See*—
Spalding, Clarence A.
Spalding, Clarence A., Elkins Park, assignor to C. A. Spalding, H. Drosdat, J. Graff, and W. Huebner, copartners trading as C. A. Spalding Co., Philadelphia, Pa. Receptacle capping machine. 2,644,415, July 7.
Spalding, John D., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Power plant for rig drive. 2,639,630, May 26.
Spalding, John D., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Pipe slip gripping insert. 2,655,706, Oct. 20.
Spalding, John D., Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drumshaft assembly. 2,628,814, Feb 17.
Spalding, John T., Collinsville, Ill., and C. W. Labitska, Overland, Mo. Closure for drinking receptacles. 2,646,670, July 28.
Spalding, Richard O., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Carton. 2,628,762, Feb. 17.
Spalding, Richard O., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Carton and packing cell. 2,653,708, Sept. 29.
Spalding, Robert V., Salt Lake City, Utah. Combined clothesline reel and awning. 2,661,849, Dec. 8.
Spallone, Louis S., Denver, Colo. Masonry pointing tool. 2,625,816, Jan. 20.
Spandau, Ludwig, Arverne, N. Y. Protective outfit. 2,632,163, Mar. 24.
Spang & Company, assignee: *See*—
Spang, Ferdinand J.
Spang, Ferdinand J., assignor to Spang & Company, Butler, Pa. Forming cable tool drill bits. 2,661,636, Dec. 8.
Spang, Ferdinand J., assignor to Spang & Company, Butler, Pa. Integral bit, rope socket, and jar tool. 2,661,930, Dec. 8.
Spang, William F., Cambridge, assignor to Cube Steak Machine Co., Needham Heights, Mass. Shaft mounting and driving assembly. 2,640,334, June 2.
Spang, William H., Cleveland, Ohio. Ignition timer assembly. 2,635,150, Apr. 14.
Spanganberg, Clifford A., assignor to Hickok Manufacturing Co., Inc., Rochester, N. Y. Belt buckle. 2,634,477, Apr. 14.
Spanganberg, Clifford A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckle. 2,634,478, Apr. 14.
Spangenberg, Karl R.: *See*—
Moore, Thomas E., Spangenberg, and Zeidler.
Spangler, Carl V., Pittsburgh, Pa., assignor to J. F. Pritchard & Co., Kansas City, Mo. Storing gases. 2,663,626, Dec. 22.
Spangler, Charles O., assignee: *See*—
Little, George N.
Spangler, Daniel H., Hamburg, Pa. Gear shift mechanism. 2,625,836, Jan. 20.
Spangler, Daniel H., Hamburg, Pa. Steering assembly for tandem wheel vehicles. 2,638,355, May 12.
Spangler, J. Lee, assignee: *See*—
Little, George N.
Spangler, Merlin G., and T. Y. Chu, assignors to Iowa State College Research Foundation, Inc., Ames, Iowa. Method of and apparatus for testing asphaltic concrete. 2,637,198, May 5.
Spangler, Myrtle J.: *See*—
Gagarine, Dmitry M., Smith, and Spangler.
Spangler, Robert M., Chicago, Ill. Hobbyhorse. 2,625,395, Jan. 13.
Spangler, Walter L., assignor to B-W Manufacturers, Inc., Kokomo, Ind. Towel bar. 2,637,446, May 5.
Spann, Lawrence R., Naugatuck, and G. R. Tarbox, Cheshire, assignors to Eastern Malleable Iron Company, Naugatuck, Conn. Brake slack adjuster for railway cars. 2,642,964, June 23.
Spannhake, Ernst W., Park Forest, assignor to Barnes & Reinecke, Inc., Chicago, Ill. Two-cycle scavenging internal-combustion engine. 2,638,081, May 12.
Sparaco, Albert R., Marlboro, N. Y. Repair and warning lamp for vehicles. 2,654,877, Oct. 6.
Sparano, Ottorino, Turin, Italy, assignor to H. J. Clay and J. Carlino, New York, N. Y., attorneys for Enrico Squeri. Electropneumatic hammering device. 2,638,749, May 19.
Spargo, Edgar S., assignor to Sparson Engineering Corporation, Miami Springs, Fla. Ticket issuing and printing machine. 2,647,457, Aug. 4.
Spargo, John, assignee: *See*—
Mader, Emil A.
Sparke, Edward J.: *See*—
Stone, Elliot, Sparke, and Muldowney.
Sparkes, Harry P., Orange, N. J., assignor to Anchor Manufacturing Company, Boston, Mass. Circuit breaker. 2,650,276, Aug. 25.
Sparklin, Charles H., and P. J. More, Chicago, Ill., assignors to Birtman Electric Company. Sole plate and hood construction for electric irons. 2,657,484, Nov. 3.
Sparklin, Charles H., and P. J. More, Chicago, Ill., assignors to Birtman Electric Company. Heating element. 2,636,106, Apr. 21.
Sparks, Charles H., and F. C. Turner, Eugene, Oreg. Log handling boom. 2,626,715, Jan. 27.
Sparks, George C., Chadds Ford, Pa. Display box for decorated Easter eggs. 2,638,210, May 12.
Sparks, George C., Chadds Ford, Pa. Mailable display package. 2,646,876, July 28.
Sparks, James V., assignee: *See*—
Pirard, Roger.
Sparks, Morgan: *See*—
Bond, Walter L., Sparks, and Teal.
Sparks, Morgan, Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor translating device. 2,656,496, Oct. 20.
Sparks, Morgan, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of making semiconductive translating devices. 2,629,672, Feb. 24.
Sparks, Morgan, and G. K. Teal, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making P-N junctions in semiconductor materials. 2,631,356, Mar. 17.
Sparks, Ralph, Pecos, Tex. Ore stratifying and concentrating means. 2,661,843, Dec. 8.
Sparks, Van J., assignee: *See*—
Carr, Clifford H.
Sparks, Warren A., Long Beach, assignor to J. M. Henry, Los Angeles, Calif. Torch. 2,638,972, May 19.
Sparks, William J.: *See*—
Garber, John D., and Sparks.
Young, David W., Smyers, and Sparks.
Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Polyvinylchloride - dienenitrile - polyester composition. 2,625,526, Jan. 13.
Sparks, William J., Westfield, and J. F. Nelson, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Controlled polymerization process. 2,625,538, Jan. 13.
Sparks, William J., Westfield, A. J. Morway, Rahway, and D. W. Young, Roselle, N. J., assignors to Standard Company. Bentonite greases. 2,626,241, Jan. 20.
Sparks, William J., and R. M. Thomas, Westfield, N. J., assignors to Standard Oil Development Company. Olefin-cylodiene-divinylbenzene tripolymer and preparation thereof. 2,626,940, Jan. 27.
Sparks, William J., Westfield, D. W. Young, Roselle, and J. D. Garber, Cranford, N. J., assignors to Standard Oil Development Company. Modified olefin-diolefin resin. 2,634,256, Apr. 7.
Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Aromatic-alkene copolymers of less than 5% aromatic content. 2,656,340, Oct. 20.
Sparks, William J., A. H. Gleason, and P. K. Frolich, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Blends of resinous styrene-conjugated diene copolymers and rubbery materials. 2,661,339, Dec. 1.
Sparks-Withington Company, assignee: *See*—
Best, Cleafe A., and Johnson.
Johnson, Lloyd E.
Sparlin, Marvin D., Neosho, Mo. Brake fluid indicator. 2,624,200, Jan. 6.
Sparmann, Edmund E. K., Stockholm, Sweden. Wobbler drive mechanisms. 2,636,392, Apr. 28.
Sparrow, Maxwell E., assignee: *See*—
Luebkert, Fred E.

Sparson Engineering Corporation, assignee: *See*—
Spargo, Edgar S.

Spartan Tool Company, assignee: *See*—
Rudolph, Herbert H., and O'Brien.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Cooling fan control for air-cooled engines. 2,657,852, Nov. 3.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction clutch with lever fulcrum ring assembly. 2,661,086, Dec. 1.

Spatola, Albert, New York, N. Y., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stitchdown lasting machine. 2,654,902, Oct. 13.

Spatz, Walter B., Sun Valley, assignor to Frawley Corporation, Los Angeles, Calif. Retractable pen. 2,624,314, Jan. 6.

Spatz, Sydney M., Middletown, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing fumaryl chloride. 2,653,168, Sept. 22.

Spaugh Paper Company, Incorporated, assignee: *See*—
Doll, Martin and B. L.

Spaulding, David C., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of polychlorinated derivatives of phenol. 2,662,918, Dec. 15.

Spaulding, John D.: *See*—
Hutchisson, Clarence L., Jr., and Spaulding.

Spaulding, Lyman R.: *See*—
Stringfield, Theodore W., Stevens, Spaulding, and Behrens.

Spaulding, Lyman R., Portland, Oreg., assignor to the United States of America as represented by the Secretary of the Interior. Oscilloscope photographic system. 2,633,403, Mar. 31.

Spaulding, Lyman R., Portland, Oreg. Electric pulse generator. 2,654,839, Oct. 6.

Spaulding, William D., Steubenville, Ohio, and B. K. Wasserkrug, Weirton, W. Va., assignors to National Steel Corporation. Recovery of cyclopentadiene. 2,626,285. Jan. 20.

Speakman Company, assignee: *See*—
Fraser, James.

Speakman, Raymond H., Wheathampstead, assignor to Imperial Chemical Industries Limited, Millbank, England. Apparatus for cutting artificial filaments into short lengths. 2,664,160, Dec. 29.

Spear, Donald R.: *See*—
Fowler, William F., Jr., and Spear.

Spear, Walter E.: *See*—
Ehrenberg, Werner, and Spear.

Spear, Winifred, Flemington, N. J. Cover garment made from gathered cloth or film. 2,639,431, May 26.

Spearing, Kenneth A., Leatherhead, England, assignor to Peabody Engineering Corporation, New York, N. Y. Register control. 2,638,158, May 12.

Spearman, Carl L., Westminster, assignor of one-half to A. Brown, Walhalla, S. C. Bush saw attachment for tractors. 2,664,119, Dec. 29.

Spears, Cecil J.: *See*—
Spears, Leonard E. and C. J.

Spears, Leonard E. and C. J., Enfield, N. C. Cotton harvesting machine. 2,641,891, June 16.

Spears Wells Machinery Company, Incorporated, assignee: *See*—
Wells, Ira M.

Specht, Theodore R., Greenville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power measuring device. 2,656,511. Oct. 20.

Special Equipment Company, assignee: *See*—
Eweld, Raymond L., and Skog.

Special Machinery Corporation, assignee: *See*—
Cipriano, Henry.

Specialloid Limited, assignee: *See*—
Robinson, Albert S.

Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr.
Griggs, Nelson S.
Hannant, Theodore N.
Heigis, Henry E.
Heizer, Edward J.
Heizer, Edward J., and Warwick.
Martine, Chester E.
Miller, Louis P.
Müller, Ferdinand H., and Johnson.
Orsini, Anthony.
Squier, Donald R.
Stroop, John H.
Troy, Raymond A.
Uhl, Arthur W.
Wentz, Edward A.

Specialties, Inc., assignee: *See*—
Bruck, George G.

Speck, Clayton S., Sunnyside, Wash. Awning. 2,626,435, Jan. 27.

Speck, Stanley B.: *See*—
Laucius, Joseph F., and Speck.

Speck, Stanley B., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Linear polyamide from disubstituted malonic acid and process. 2,631,992, Mar. 17.

Speckman, Melvin L.: *See*—
Ladd, Allan L., and Speckman.

Specter, Sanford L., Lynbrook, and S. R. Hacker, Forest Hills, N. Y. Convertible table chair. 2,658,554, Nov. 10.

Spector, Sam, Shaker Heights, and G. J. Teplanszki, Lakewood, assignors to Tilt-Type Products, Inc., Cleveland, Ohio. Storm window. 2,629,143, Feb. 24.

Spector, Sam, Shaker Heights, and G. J. Teplanszki, Warrensville Heights, assignors to Tilt-Type Products, Inc., Cleveland, Ohio. Window frame tear-off flange. 2,641,805, June 16.

Spedding, Raymond T., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Spray unit for tractors. 2,637,594, May 5.

Spedding, Raymond T., Detroit, assignor to Dearborn Motors Corporation, Birmingham, Mich. Extension link for mowers. 2,645,890, July 21.

Spedding, Raymond T., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Positioning mechanism for lift type implements. 2,649,721, Aug. 25.

Speed Development Company Limited, assignee: *See*—
Ruffle, William H.

Speed Products Company, Inc., assignee: *See*—
Neilsen, Hildaur L.

Speed, William C., Riverside, and J. J. Dwyer, Stamford, Conn., assignors to Audio Devices, Inc., New York, N. Y. Production of magnetic sound tape. 2,645,270, July 14.

Speed, William C., Riverside, and J. J. Dwyer, Stamford, Conn., assignors to Audio Devices, Inc., New York, N. Y. Production of magnetic sound tape. 2,664,139, Dec. 29.

Speed Queen Corporation, assignee: *See*—
Thiele, Berthold R.

Speedry Products, Inc., assignee: *See*—
Gottlieb, Max C.

Speer Carbon Company, assignee: *See*—
Falcettoni, John B.
Veley, Hugh N.

Speer, Douglas D., Marysville, Wash. Engine fuel tank filler. 2,661,886, Dec. 8.

Speer, Joseph G., Merriam, Kans. Airplane control system. 2,625,349, Jan. 13.

Speeter, Merrill E., Kalamazoo, Mich., assignor to Bristol Laboratories Inc., Onondaga County, N. Y. Amidone amines and related derivatives. 2,632,762, Mar. 24.

Speeter, Merrill E., Kalamazoo, Mich., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Diphenyl-dimethyl-aminovaleramide. 2,647,926, Aug. 4.

Speeter, Merrill E., assignor to Bristol Laboratories, Syracuse, N. Y. Chloracetic acid ester of diphenyl ethanols. 2,649,445, Aug. 18.

Speh, Herman A.: *See*—
Wockenfuss, William, and Speh.

Speicher, Carl F. and M. E., assignors to Celina Farm Tools, Inc., Celina, Ohio. Loading attachment for tractors. 2,628,730, Feb. 17.

Speicher, Elmer W., Birmingham, assignor of one-half to A. R. Conti, Walled Lake, Mich. Adhesive wheel coolant spraying spindle. 2,626,493, Jan. 27.

Speicher, Marcus E.: *See*—
Speicher, Carl F. and M. E.

Speier, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organoalkoxysilanes. 2,626,272, Jan. 20.

Speier, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosilyl alcohols. 2,629,727, Feb. 23.

Speier, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Grignard reagents of organoalkoxysilanes. 2,640,067, May 26.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trialkylsilylcyclohexanols and preparation thereof. 2,628,244, Feb. 10.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trialkylsilyladipic acid. 2,628,245, Feb. 10.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Bromoalkylsilanes and their preparation. 2,640,064, May 26.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Phenylol silane-formaldehyde type resin. 2,645,630, July 14.

Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Trimethylsilylphenoxy esters. Re. 23,654, May 12.

Spell, Sidney, Somerville, and E. R. Powell, North Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Melting furnace. 2,658,743, Nov. 10.

Spell, Arley A., Gainesville, Fla. Filter-aid dispenser. 2,646,674, July 28.

Spell, Perry W., Roseboro, N. C. Cotton-picking apparatus. 2,625,783, Jan. 20.

Spence, Andrew, Houston, Tex., and M. S. Lev and W. A. Reddle, assignors to Armour and Company, Chicago, Ill. Making hide glue. 2,648,659, Aug. 11.

Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.
Thompson, Charles C.

Spence, Fred, Sale, assignor to Linotype and Machinery Limited, London, England. Inking mechanism for printing machines. 2,625,879, Jan. 20.

Spence, Harry R., Lewiston, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Bright annealing and cleaning. 2,644,775, July 7.

Spence, Hubert L.: *See*—
Willison, Donald, and Spence.

Spence, Hubert L., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,645,362, July 14.

Spence, Hubert L., East Cleveland, and D. Willison, Shaker Heights, assignors to National Malleable and Steel Castings Company, Ceveland, Ohio. Cushioning mechanism. 2,644,684, July 7.

Spence, John, and B. H. Carroll, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitized photographic emulsion containing color couplers. 2,640,776, June 2.

Spence, John A.: *See*—
Condit, Paul C., and Spence.

Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Pilot-operated valve. Re. 23,675, June 30.

Spence, Paulsen, Baton Rouge, La., assignor to Spence Engineering Company, Inc., Walden, N. Y. Pilot operated regulating valve. 2,639,556, May 26.

Spence, Reginald F.: *See*—
Rink, Harold L., and Spence.

Spence, Thomas C.: *See*—
Stanton, George W., Lefferdink, and Spence.

Spencer, Alvin C., Corona Del Mar, Calif. Dispensing container having a slidable bottom forming a follower. 2,661,126, Dec. 1.

Spencer, Arthur, and J. Hewitt, assignors to Vickers-Armstrongs Limited, London, England. Hydraulic driving means for winding and rolling machines. 2,655,060, Oct. 13.

Spencer, Benjamin F., Hempstead, assignor to The Sperry Corporation, Great Neck, N. Y. Superregenerative apparatus. 2,625,650, Jan. 13.

Spencer, Burdell D., Oxon Hill, Md., assignor to the United States of America as represented by the Secretary of the Army. Foot-measuring machine. 2,657,463, Nov. 3.

Spencer, Corte J., Dundee, N. Y. Cattle leader. 2,653,574, Sept. 29.

Spencer, Frank R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Medium oil alkyd resin surface coating materials and preparing the same. 2,648,642, Aug. 11.

Spencer, Frank R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Short oil modified alkyd resin surface coating materials comprising a polymer of aliphatic esters of alpha, beta unsaturated carboxylic acids. 2,649,423, Aug. 18.

Spencer, George A., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber foam mixer. 2,627,394, Feb. 3.

Spencer, Harry H., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,664,538, Dec. 29.

Spencer, Herman J., Ingomar, Pa. Stapling machine. 2,654,088, Oct. 6.

Spencer, James, Toronto, Ontario, Canada. Manufacturing printing rollers. 2,626,222, Jan. 20.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Relay type selecting circuit arrangement. 2,628,277, Feb. 10.

Spencer, Lee, Phoenix, Ariz. Rail retaining structure. 2,626,108, Jan. 20.

Spencer, Lloyd, assignee: *See*—
Bannon, Thomas C.
Bannon, Thomas C., and Spencer.

Spencer, Lloyd, Hollywood, Calif. Mixing valve. 2,653,628, Sept. 29.

Spencer, Lloyd, South Pasadena, Calif. Knitting needle. 2,644,324, July 7.

Spencer, Lloyd, South Pasadena, assignor of thirty-three and one-third per cent to T. C. Bannon, Altadena, and thirty-three and one-third per cent to J. D. Chesnut, Newport Beach, Calif. Control device for gun perforators. 2,655,993, Oct. 20.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Cavity resonator structure and tube employing the same. 2,626,372, Jan. 20.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Microwave apparatus. 2,652,475, Sept. 15.

Spencer, Roland T., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Adjustable weight-biased relief valve. 2,649,774, Aug. 25.

Spencer, Samuel P., assignor to Whitin Machine Works, Whitinsville, Mass. Means to prevent the accumulation of waste in drafting systems. 2,624,919, Jan. 13.

Spencer, Theodore N., Muncie, Ind. Flow responsive pressure regulator. 2,627,703, Feb. 10.

Spencer Turbine Company, assignee: *See*—
Smith, Lester C.

Spencer Turbine Company, The, assignee: *See*—
Smith, Lester C.

Spencer, Willard J., Whitestone, N. Y. Sewing needle holder. 2,654,513, Oct. 6.

Spender, Donald L., Wolcott, assignor to Scovill Manufacturing Company, Waterbury, Conn. Perfume bottle container. 2,625,292, Jan. 13.

Spender, Donald L., Wolcott, and G. G. Howard, assignors to Scovill Manufacturing Company, Waterbury, Conn. Hose coupling. 2,631,047, Mar. 10.

Spengler-Loomis Manufacturing Company, assignee: *See*—
Roger, Alex. A.

Spengler, Ralph A., Cleveland, Ohio. Pilot operated time controlled gate valve. 2,664,107, Dec. 29.

Spengler, Walter J.: *See*—
Roloson, William G., and Spengler.

Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Coupling. 2,658,362, Nov. 10.

Spenke, Eberhard H. G., F. W. G. Rose, and E. G. R. Waldkötter, Pretzfeld, assignors to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Controllable electric resistance device. 2,648,805, Aug. 11.

Sperber, Edward J., Philadelphia, Pa., assignor to Radio Corporation of America. Record changer. 2,657,061, Oct. 27.

Sperber, Nathan: *See*—
Papa, Domenick, Sperber, and Villani.

Sperber, Nathan, Bloomfield, N. J., D. Papa, Brooklyn, N. Y., and E. Schwenk, Shrewsbury, Mass., assignors to Schering Corporation, Bloomfield, N. J. Antihistaminic substances. 2,656,358, Oct. 20.

Sperber, Nathan, Bronx, and D. Papa, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. P-chlorophenyl (2-pyridyl) (β-dimethylaminoethoxy) methane. 2,662,891, Dec. 15.

Sperberg, Lawrence R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment for reducing the pH of furnace blacks. 2,657,117, Oct. 27.

Sperisen, Ernest, assignor to Gisholt Machine Company, Madison, Wis. Boring bar pilot support. 2,643,554, June 30.

Sperisen, Ernest, Sun Prairie, assignor to Gisholt Machine Company, Madison, Wis. Bearing. 2,653,062, Sept. 22.

Sperlich, Herman A., Highland Park, assignor to Ironrite, Inc., Mount Clemens, Mich. Ironing machine. 2,648,147, Aug. 11.

Sperling, Arthur F., Milwaukee, Wis., and W. E. Schroeder, Westmont, assignors to Samuel M. Langston Co., Camden, N. J. Apparatus for cutting and stacking sheets. 2,641,974, June 16.

Sperling, Charles, Camden, N. J. Angle drilling and tapping device. 2,633,763, Apr. 7.

Sperling, John, Dalmeny, Saskatchewan, Canada. Indicator for working position of agricultural tools. 2,654,339, Oct. 6.

Spero, George B.: *See*—
Levin, Robert H., McIntosh, and Spero.

Spero, Lila S., Arverne, and G. Adamec, New York, N. Y.; said Adamec assignor to said Spero. Vending machine. 2,656,029, Oct. 20.

Sperry, Albert F., assignor to Panellit, Inc., Chicago, Ill. Integrator. 2,637,496, May 5.

Sperry Corporation, The, assignee: *See*—
Bamford, Arthur P.
Barney, Kay H.
Barkalow, Clare E.
Barkalow, Clare E., and Early.
Bates, Mortimer F.
Beach, Lennox F.
Bergey, Stanley L., and Nottingham.
Braddon, Frederick D.
Bromley, Richard N.
Browder, Jay E., and Young.
Brown, Lawrence S.
Burgess, Edward G., Jr.
Campbell, David J., McCabe, and Harris.
Charlton, John.
Chenery, Peter J.
Clippinger, Stewart M.
Clurman, Stanley P.
Curry, Robert S., Jr., and Halpert.
Dawson, Edward.
Dean, Walter.
De Westfelt, Gerard P.
Errington, Frederick.
Esval, Orland E.
Ford, Hannibal C.
Frantz, Wilbert P.
Garrett, Elmer E.
Ginzton, Edward L.
Goertz, Raymond C., and Hull.
Goldstein, Raymond.
Halpert, Percy.
Hansen, William W.
Hansen, William W., and Johnson.
Harris, Herbert, Jr.
Hassler, Norman A.
Hendrickson, Harold S.
Henning, Rudolf E.
Holschuh, Carl G., and Fram.
Holschuh, Carl G., Hammond, and White.
Hunter, Paul B.
Jude, George F., Newton, Brannin, and Halpert.
Kellogg, Spencer, 2nd.
Litchford, George B.
Lyman, Joseph, Barnaby, and Proskauer.
Lyman, Joseph, and Litchford.
Lyon, Floyd A.
Meeks, Oscar L.
McCartney, Earl, and Watt.
McCoy, Rawley D.
McCoy, Rawley D., and Scheib.
McKenney, Henry F., and Kaplan.
Muchmore, Robert B.

Sperry Corporation, The, assignee: *See*—Continued.
Newell, William H., McKenney, and Scheuer.
Newton, John C.
Nixon, Maurice W.
Ogle, James A.
Palmer, Winslow.
Peters, John L., and Isbister.
Pine, Cecil C., and Sharp.
Rawlings, Arthur L.
Scheib, Richard, Jr.
Sedgfield, Hugh B., Summerlin, and Kyte.
Sensiper, Samuel.
Slater, John M.
Slater, John M., and Wrigley.
Spencer, Benjamin F.
Varian, Sigurd F.
Wathen, Robert L.
Wing, Willis G.
Woodyard, John R.
Woodyard, John R., and Hansen.
Wrigley, Walter.
Zaslavsky, Sam, and Zanichkowsky.
Sperry Gyroscope Company Limited, The, assignee: *See*—
Baker, Matthew W., and Rush.
Sperry, Paul A., New Haven, Conn. Web tensioning device. 2,637,891, May 12.
Sperry Products, Inc., assignee: *See*—
Drake, Harcourt C.
Hardie, Fred H., Goodman, and Van Valkenburg.
Henry, Elliott A.
Hooper, William K.
Pringle, Frank E., Jr.
Smack, John C.
Strachi, Robert N.
Van Valkenburg, Howard E., and Cook.
Sperry-Sun Well Surveying Company, assignee: *See*—
Butterworth, Gilbert J., and Young.
Ring, Roland.
Smith, George A.
Young, Einar T.
Sperry, Wayne E., Naches, Wash. Combination tobacco holder and cigarette maker. 2,625,937, Jan. 20.
Sperti Farady Inc., assignee: *See*—
Reck, Peter C., and Stern.
Stern, Lewis J.
Sperti, George S., Burlington, Ky., assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Means and method of antistroboscopic arc operation. 2,627,591, Feb. 3.
Sperti, George S., Burlington, Ky., assignor to Institutum Divi Thomae Foundation, Cincinnati, Ohio. Cyclical process and apparatus for tenderizing meat. 2,650,882, Sept. 1.
Spertus, Maurice, Highland Park, Ill. Picture-frame album. 2,649,799, Aug. 25.
Spertus, Maurice, Highland Park, Ill. Picture frame for colored photographs. 2,651,129, Sept. 8.
Spial Binding Company, Inc., assignee: *See*—
November, Milton H.
Spialter, Leonard: *See*—
Rust, John B., and Spialter.
Spice, Stuart M., W. F. Williams, Jr., and W. E. Moehring, Flint, assignors to General Motors Corporation, Detroit, Mich. Skip welding control. 2,635,165, Apr. 14.
Spicer, Curtis D., Warren, Pa., assignor to Sylvania Electric Products, Inc. Automatic assembling machine. 2,640,617, June 2.
Spicer, William E.: *See*—
Moak, Ottis W., and Spicer.
Spiegel, Morry, Brooklyn, N. Y. Amusement device for selective exhibition of figurines. 2,653,413, Sept. 29.
Spiegelhalter, William G., Erie, Pa., assignor to General Electric Company. Insulating structure and assembling. 2,663,448, Dec. 22.
Spiegler, Melvin: *See*—
Berland, Morton, and Spiegler.
Spiegler, Moe, and H. Honig, New York, N. Y.; said Honig assignor to said Spiegler. Collar support for four-in-hand neckties. 2,632,170, Mar. 24.
Spielberger, Georg: *See*—
Brüning, Eberhard, Delfs, and Spielberger.
Spielman, James F., Torrington, Conn. Reversible impact driving screw driver design. 2,631,484, Mar. 17.
Spielman, James F., Torrington, Conn. Reversible impact driving screw driver. 2,635,497, Apr. 21.
Spielman, James F., Torrington, Conn. Reversible impact driving screw driver and functional elements thereof. 2,638,806, May 19.
Spielman, Milton H., Cuyahoga Falls, assignor to The Lamb Electric Company, Kent, Ohio. Assembling and structure for motor stators. 2,631,251, Mar. 10.
Spierer, Edward D., assignor to Edi Holding, Inc., Brooklyn, N. Y. Drying apparatus. Re. 23,674, June 30.
Spiesecke, Hans: *See*—
Volk, Paul, and Spiesecke.
Spiess, Francis J., Rochester, N. Y., assignor to Kleckhefer Container Company, Camden, N. J. Glued flap box folding machine. 2,637,251, May 5.
Spiess, Irwin, and L. B. Simon, New York, N. Y. Electric frankfurter cooker. 2,642,794, June 23.
Spiess, Newton E., Jr., Oakdale, E. M. Gropen, East Northport, and K. R. Weaver, Bellport, assignors to National Dairy Research Laboratories, Inc., Oakdale, N. Y. Beater mechanism for softening ice cream. 2,637,022, Oct. 27.
Spiess, Newton E., Jr., Oakdale, Islip, and E. M. Gropen, East Northport, assignors to National Dairy Research Laboratories, Inc., Oakdale, Islip, N. Y. Container and closure therefor. 2,661,119, Dec. 1.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Convection heater. 2,656,780, Oct. 27.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Adjustable outlet convector enclosure. 2,656,781, Oct. 27.
Spieth, Rudolf, Esslingen-Kennenburg, Germany. Mounting device for antifriction bearings. 2,650,807, Sept. 1.
Spilhaus, Athelstan F.: *See*—
Brady, James M., and Spilhaus.
Spiller, Eugene W.: *See*—
Spiller, Gladys M. and E. W.
Spiller, Gladys M. and E. W., St. Louis, Mo. Window screen. 2,625,217, Jan. 13.
Spiller, William R., Dayton, assignor to Harris-Seybold Company, Cleveland, Ohio. Hollow drill assembly. 2,626,667, Jan. 27.
Spiller, William R., assignor to Harris-Seybold Company, Dayton, Ohio. Sheet handling mechanism for cutting machines. 2,649,155, Aug. 18.
Spiller, William R., and L. L. West, Dayton, assignors to Harris-Seybold Company, Cleveland, Ohio. Paper drill. 2,637,396, May 5.
Spillman, Max: *See*—
Hoffmann, Karl, and Spillmann.
Spina, James A., Schenectady, and E. O. Anderson, Ballston Spa, N. Y., assignors to General Electric Company. Snap action switch. 2,624,819, Jan. 6.
Spindler, Joseph C., assignor to The Rauland Corporation, Chicago, Ill. Coupling for frequency modulation discriminators. 2,637,809, May 5.
Spindler, Joseph C., Chicago, Ill., assignor to Zenith Radio Corporation. Dual range antenna. 2,640,933, June 2.
Spindler, Joseph C., Chicago, Ill., assignor to Zenith Radio Corporation. Loop antenna. 2,649,545, Aug. 18.
Spining, Warren P., Livingston, N. J., assignor to Worthington Corporation. Steam pressure control for direct-contact heaters operating on variable pressure steam. 2,636,721, Apr. 28.
Spink, Leland K., Foxboro, Mass. Pneumatic gun. 2,640,476, June 2.
Spinks, Joseph M., Atlanta, Ga. Grip type exercising device. 2,643,123, June 23.
Spinney, Chester L., Barre, Mass. Worktable fixture for portable motor-driven saws. 2,651,333, Sept. 8.
Spiro, Murray, Brooklyn, N. Y. Printing machine. 2,645,179, July 14.
Spissell, John J., Elmont, N. Y. Clothespin rack and container. 2,635,028, Apr. 14.
Spitz, Armand N., Lansdowne, Pa. Planetarium. 2,632,350, Mar. 24.
Spitz, Karl, Cleveland, Ohio. Alloy irons and steels. 2,633,420, Mar. 31.
Spitzer, Charles F., Syracuse, N. Y., and R. J. Reich, Hamden, Conn., assignors to General Electric Company. Nonlinear resonant flip-flop circuit. 2,653,254, Sept. 22.
Spitzer, Joseph G., Yonkers, I. Reich, Brooklyn, and N. Fine, Mount Vernon, N. Y., said Reich and said Fine assignors to said Spitzer. Lather producing composition. 2,653,480, Oct. 13.
Spitzer, Wilbur S., Edenton, N. C. Combination sink and dishwasher. 2,632,452, Mar. 24.
Spivack, John D., assignor to Tide Water Associated Oil Company, Bayonne, N. J. Di-nitrogen containing dicarboxylic acids. 2,644,826, July 7.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,627,783, Feb. 10.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,629,196, Feb. 24.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Eye protective device. 2,645,775, July 21.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,653,514, Sept. 29.
Spliced wood Corporation, assignee: *See*—
Seidel, Gustav A.
Split Ballbearing Corporation, assignee: *See*—
Stearns, Frank H.
Stearns, Frank H., and Thibault.
Spo, Inc., assignee: *See*—
Young, Lester C.
Spoden, Hal T., assignee: *See*—
Hill, Elvin.
Spofa, Spojene farmaceuticke zavody, narodni podnik, assignee: *See*—
Fudík, Karel, and Lábler.
Spohr, Carl W., assignor to The Curtiss Candy Company, Chicago, Ill. Apparatus for filling bags. 2,645,396, July 14.
Spon, John, London, England. Pivot for shears. 2,640,262, June 2.

Sponge Rubber Products Company, The, assignee: *See*—
Scantlebury, Frank M.
Sponsler, John W., Cambridge, Mass. Center drilling fixture. 2,645,951, July 21.
Spool Cotton Company, The, assignee: *See*—
Bjoro, Edvin F., and Fisher.
Spoon, Walter O., and J. Dressel, Jr., Goldendale, Wash. Air raid alarm. 2,658,192, Nov. 3.
Spooner, Howard E., assignor to D. E. Makepeace Company, Attleboro, Mass. Making electrical contacts. 2,625,737, Jan. 20.
Spooner, Laurence W., Pittsfield, Mass., assignor to General Electric Company. Coating machine and electrode panel therefor. 2,650,565, Sept. 1.
Spooner, Lee R., Watertown, S. Dak., assignor, by mesne assignments, to Swift & Company. Hog dropper device. 2,652,589, Sept. 22.
Spooner, Richard C., Cleveland, Ohio, assignor to A. R. Lintern Inc. Vehicle heater and system. 2,655,092, Oct. 13.
Spooner, William W., Ilkley, England. Nozzle for the ejection of fluid streams. 2,650,131, Aug. 25.
Sporket, Albert, Detroit, Mich. Stud remover. 2,627,195, Feb. 3.
Sporlan Valve Company, assignee: *See*—
Lange, Harold T.
Sporney, George C., Chicago, Ill., assignor to Birtman Electric Company. Thread guide and needle clamping member for sewing machines. 2,663,274, Dec. 22.
Sport Movies, Inc., assignee: *See*—
Black, Eric A.
Sport Products, Inc., assignee: *See*—
Goldsmith, Hugo.
Sports-Styles, Inc., assignee: *See*—
Greenberg, Harry D., and Sutton.
Spotnails, Inc., assignee: *See*—
Beckman, William R., and Crooks.
Beckman, William R., Schilke, and Crooks.
Spotswood, Robert E. L., assignor of fifty percent to I. J. Greenwald, Mobile, Ala. Live bait boat. 2,657,496, Nov. 3.
Spotts, Lee E., Slater, assignor of one-half to W. H. Ferguson, St. Louis, Mo. Round refrigerator. 2,638,400, May 12.
Spracklen, Stanford B., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrometer control. 2,640,935, June 2.
Spra-Con Company, The, assignee: *See*—
Page, George J., and Harrison.
Spradlin, Joe D., Mount Ephraim, N. J., and F. Himelfarb, Brooklyn, N. Y., assignors to Radio Corporation of America. Electromagnetic deflection generator. 2,664,523, Dec. 29.
Spragins, John H., North Wales, Pa. Dishwasher. 2,664,094, Dec. 29.
Sprague, Carl F., Lyndhurst, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Bail for containers. 2,654,625, Oct. 6.
Sprague Devices, Inc., assignee: *See*—
Sprague, Frank, and Nichols.
Sprague Electric Company, assignee: *See*—
Allison, William M.
Allison, William M., and Netherwood.
Brafman, Harold E.
Brooks, Lester A., Markarian, and Nazzewski.
Burnham, John.
Dorst, Stanley O.
Kidania, George T.
Lamoureaux, Raymond A., Jr.
Lies, William J.
Lubin, Samuel, Atkinson, and Podolsky.
May, Harold V.
Ness, Odvar, and Lambert.
Netherwood, Paul H.
Peck, David B.
Robinson, Preston.
Ross, Sidney D.
Ross, Sidney D., and Kuntz.
Ross, Sidney D., and Markarian.
Ross, Sidney D., Markarian, and Nazzewski.
Ross, Sidney D., Markarian, and Schroeder.
Schroeder, Walter W.
Taylor, Walter H.
Tierman, Melvin.
Sprague, Frank, and E. F. Nichols, assignors to Sprague Devices, Inc., Michigan City, Ind. Windshield wiper motor. 2,627,251, Feb. 3.
Sprague, James M., Drexel Hill, Pa., assignor to Merck & Co., Inc. Bactericidal compounds. 2,650,251, Aug. 25.
Sprague, James M., Drexel Hill, Pa., assignor to Merck & Co., Inc. Secondary alkylsulfonamido benzoic acids. 2,656,381, Oct. 20.
Sprague, James M., Drexel Hill, and A. H. Land, Ridley Park, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. 2 - amino - 4 - piperidinoethyl-thiazole. 2,636,037, Apr. 21.
Sprague, James M., Drexel Hill, and E. M. Schultz, Glenolden, Pa., assignors to Merck & Co., Inc. 2-keto pyrimidines. 2,650,921, Sept. 1.
Sprague Meter Company, assignee: *See*—
Whitworth, Fairchild.
Sprague, Owen F., Niagara Falls, assignor to National Lead Company, New York, N. Y. Preparation of titanium tetrachloride. 2,650,873, Sept. 1.
Sprague, Robert H., L. G. S. Brooker, and S. G. Dent, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Resin-dyes of the cyanine type. 2,639,282, May 19.
Spraragen, Louis, assignor to Automatic Locking Devices, Incorporated, Bridgeport, Conn. Chair having an angularly adjustable back rest. 2,624,396, Jan. 6.
Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Sealing strip. 2,638,642, May 19.
Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Sealing strip. 2,657,438, Nov. 3.
Spraragen, Louis, Fairfield, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Beading strip. 2,659,117, Nov. 17.
Sprauer, Jerome W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of hydrogen peroxide. 2,657,980, Nov. 3.
Spray, Lester E.: *See*—
Johnson, Paul S., and Spray.
Spray Process Co. Inc., assignee: *See*—
Vose, Edwin W.
Spraying Systems Co., assignee: *See*—
Wahlin, Fred W.
Sprecher, Noah E., Brooklyn, N. Y. Impedance rule. 2,627,114, Feb. 3.
Spreckelmeier, Edwin H., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Control system for folding machines. 2,643,879, June 30.
Spreckels Sugar Company, assignee: *See*—
Armer, Austin A.
Bernhardt, Otto P. W.
Sprecker, Alfred L., Freeport, assignor to International Business Machines Corporation, New York, N. Y. Time recording machine. 2,645,551, July 14.
Spred-All, Inc., assignee: *See*—
Seltzer, Robert E.
Sprenger, John H., and R. L. Jefferson, San Antonio, Tex. Folding patrol stop flag. 2,660,975, Dec. 1.
Sprigg, Edward A., East Orange, assignor to Breeze Corporations, Inc., Newark, N. J. Battery terminal connector. 2,648,051, Aug. 4.
Spriggs, John E., assignor to Pictorial Machinery Limited, London, England. Clamping device. 2,646,719, July 28.
Spriggs, William H., Des Moines, Iowa. Child's convertible chair. 2,649,893, Aug. 25.
Spring, Frank S.: *See*—
Toncray, Millard H., and Spring.
Spring, Frank S., Grosse Pointe, assignor to Hudson Motor Car Company, Detroit, Mich. Rear window for convertible automobile tops. 2,638,379, May 12.
Spring Load Pipe Cutter Mfg. Corp., assignee: *See*—
Harding, Elmer C.
Spring Machinery Company, assignee: *See*—
Gail, Charles H.
Spring, Robert E., Ashtabula, assignor to Spring Wood Products, Inc., Geneva, Ohio. Loading base. 2,643,081, June 23.
Spring Unit Development Co., assignee: *See*—
Levine, David I.
Spring Wood Products, Inc., assignee: *See*—
Spring, Robert E.
Springer, Abraham J., executor: *See*—
Tannenbaum, Morris L.
Springer, Henry A., Cincinnati, Ohio. Knife having a replaceable blade. 2,637,904, May 12.
Springer, Richard, Leipzig, Germany, and W. R. Meyer, Hamden, assignors to Enthone, Incorporated, New Haven, Conn. Dissolving metals and composition therefor. 2,649,361, Aug. 18.
Springer, Richard A.: *See*—
Robeson, Max O., and Springer.
Springer, Winton L., New York, N. Y. Food service conveyer. 2,644,567, July 7.
Springfield Boiler Company, assignee: *See*—
Forest, Alfred E.
Rehm, Gustav A.
Springfield Machine Tool Co., The, assignee: *See*—
Montanus, Paul A., and Kraus.
Springs Cotton Mills, assignee: *See*—
Martin, Furman H.
Springs Cotton Mills, The, assignee: *See*—
Brock, William P., and Neal.
Springs Cotton Mills, Inc., The, assignee: *See*—
Lasley, James B.
Sprinkle, Foster C., Winston-Salem, N. C. Toothbrush cabinet. 2,642,331, June 16.
Spross, Hubert M., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator for cold milk products and the like. 2,662,687, Dec. 15.
Sproul, John C., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Mining machine. 2,626,140, Jan. 20.
Sproule, Donald O., London, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Vibration transmitting system. 2,629,770, Feb. 24.
Sproule, Lorne W.: *See*—
Dixon, Thomas W., and Sproule.

Sproule, Lorne W., and L. F. King, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Lubricant for metal rolling mills. 2,632,347, Mar. 24.

Sproule, Lorne W., and J. S. Gray, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Manufacture of antifriction bearing greases. 2,657,180, Oct. 27.

Sprouse, V. E., Company, Inc., assignee: *See*—
Sprouse, Verner E., and Jordan.

Sprouse, Verner E., Columbus, Ind. Composite fan hub. 2,658,577, Nov. 10.

Sprouse, Verner E., and T. P. Jordan, assignors to V. E. Sprouse Company, Inc., Columbus, Ind. Exhaust fan automatic shutter. 2,631,519, Mar. 17.

Sprung, Abraham, assignor to Decorola Corporation, Brooklyn, N. Y. Coating device. 2,652,774, Sept. 22.

Sprung, Abraham, Brooklyn, N. Y. Route map viewer. 2,657,487, Nov. 3.

Sprung, Edwin G., assignor to General Motors Corporation, Detroit, Mich. Brake lever. 2,638,017, May 12.

Sprung, Joseph A., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. High-speed silver dye bleachout taking and printing film. 2,652,328, Sept. 15.

Sprung, Joseph A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Silver halide emulsions containing nondiffusing azo dyes. 2,629,658, Feb. 24.

Sprung, Joseph A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. High-speed silver dye bleachout taking and printing film. 2,635,960, Apr. 21.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. Suspensions of polymeric chlorotrifluoroethylene. 2,656,330, Oct. 20.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. Suspensions of polymeric chlorotrifluoroethylene. 2,656,331, Oct. 20.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. Suspensions of polymeric chlorotrifluoroethylene. 2,656,332, Oct. 20.

Spurgeon, Samuel J., Birmingham, Ala. Bearing mounting for idler rolls and the like. 2,647,808, Aug. 4.

Spurgeon, Samuel J., Birmingham, Ala. Thrust transmitting retainer for shaft mounted members. 2,650,843, Sept. 1.

Spurgeon, Samuel J., Birmingham, Ala. Self-aligning idler for conveyers and the like. 2,655,252, Oct. 13.

Spurgeon, Samuel J., and R. O. Kimbro, Birmingham, Ala., said Kimbro assignor to said Spurgeon. Conveyer. 2,647,617, Aug. 4.

Spurlin, Marcus A., San Francisco, Calif. Antifreeze heater. 2,654,826, Oct. 6.

Spurlin, William V., Indiana, assignor to Syntron Company, Homer City, Pa. Diesel hammer. 2,633,832, Apr. 7.

Spurlin, William V., Indiana, assignor to Syntron Company, Homer City, Pa. Elastomer supported vibratory feeder motor. 2,654,466, Oct. 6.

Spurlin, William V., Indiana, assignor to Syntron Company, Homer City, Pa. Helical vibratory conveyer. 2,658,286, Nov. 10.

Spurlin, William V., Indiana, assignor to Syntron Company, Homer City, Pa. Article inverting feeding bowls. 2,661,833, Dec. 8.

Spurlino, Pascal: *See*—
Buckey, Kenneth M., Koons, and Spurlino.

Spurlino, Pascal, A. G. Kibler, R. J. Moser, and E. H. Wolf, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,639,857, May 26.

Spurlock, Merrill F.: *See*—
Segelhorst, August L., and Spurlock.

Spurr, Winfred F., assignor to Ace Art Company, Reading, Mass. Label package and dispenser. 2,638,211, May 12.

Spyridakis, Emanuel G.: *See*—
Maclay, William R., and Spyridakis.

Square D Company, assignee: *See*—
Allen, Wallace T.
Anger, Ernest G.
Goudy, Paul R., and Sedgwick.
Jackson, John G.
Kingdon, Ralph H.
Mekelburg, Earl F.
Mierendorf, Robert C.
Schaefer, Carl A.

Squassoni, Gino F.: *See*—
Rossetto, Louis, and Squassoni.

Squeri, Enrico, assignee: *See*—
Sparano, Ottorino.

Squibb, George R., and D. A. Urquhart, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Process and apparatus for grinding piston rings. 2,654,977, Oct. 13.

Squier, Donald R., Pompton Plains, assignor to Specialties Development Corporation, Belleville, N. J. Making heat or flame detecting elements. 2,639,247, May 19.

Squier, Ralph T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Low differential switching apparatus. 2,625,046, Jan. 13.

Squire, Frederick J., Milton, and P. D. Stengel, Belmont, Mass., assignors to Lever Brothers Company, New York, N. Y. Elimination of objectionable odors from soap. 2,660,589, Nov. 24.

Squire, George W., assignee: *See*—
Vargo, John J.

Squires, Rathbun B., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multiple socket electrical connection device. 2,627,535, Feb. 3.

Squyer, Albert R., and P. F. Dirksen, assignors to Weaver Manufacturing Company, Springfield, Ill. Wheeled support for headlight tester. 2,662,779, Dec. 15.

Srogi, Ladislaw G., Blissfield, assignor to Packard Motor Car Company, Detroit, Mich. Centrifugal impeller structure. 2,647,685, Aug. 4.

Staab, Frank W., Syracuse, and J. M. Kolbas, Tully, assignors to Bristol Laboratories Inc., Syracuse, N. Y. Precipitation of fine particle procaine penicillin G. 2,643,251, June 23.

Staaff, Per H., Alsten, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifuge with auxiliary feed arrangement. 2,628,021, Feb. 10.

Staaf, Richard V., Oakdale, Pa. Support for luminous tubing. 2,645,831, July 21.

Staaf, Werner I., Rennerdale, Pa. Screw stud or fastener and assembly utilizing same. 2,645,317, July 14.

Staal, Cornelis J. H. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Multiplex transceiving arrangement. 2,662,117, Dec. 8.

Staal, Cornelis J. H. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multiplex transmission device. 2,662,175, Dec. 8.

Staartjes, Johannes, Amsterdam, assignor to Bruynzeel's Deurenfabriek N. V. of Pieter Ghijsenlaan, Zaandam, Netherlands. Furniture. 2,637,045, May 5.

Staats, Henry N.: *See*—
De Forest, Taber, and Staats.

Staatsbedrijf der Posterijen, Telegrafie en Telefonie, assignee: *See*—
Van Duuren, Hendrik C. A.

Stabile, Peter, Brooklyn, N. Y. Power-driven automobile lift. 2,645,367, July 14.

Stabile, Philip, Brooklyn, N. Y. Musical instrument. 2,645,970, July 21.

Stabile, Vincent A., New York, N. Y. Device for dispensing stacked retaining rings. 2,650,722, Sept. 1.

Stabler, Albert, Hammond, Ind., assignor to Sinclair Research Laboratories, Inc., Harvey, Ill. Grease compacter. 2,649,165, Aug. 18.

Stabler, Howard P., Williamstown, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. V-beam height indicator. 2,646,563, July 21.

Stabler, Howard P., Williamstown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Shaft position indicator having reversible counting means. 2,656,106, Oct. 20.

Stacey, Gilbert J.: *See*—
Landquist, Justus K., and Stacey.

Stacey, Hugh J., Willoughby, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Pressure reducing valve. 2,662,543, Dec. 15.

Stacey, Maurice, and W. G. Overend, Birmingham, assignors, by mesne assignments, to Dextran Limited, Aycliffe, Darlington, England. Synthetic substances of the polysaccharide type. 2,649,421, Aug. 18.

Stackbin Corporation, assignee: *See*—
Shaw, Thomas.

Stackhouse, Wells, Havertown, Pa., assignor to American Locker Company, Inc., Boston, Mass. Coin-controlled lock mechanism. 2,649,949, Aug. 25.

Stackpole Carbon Company, assignee: *See*—
Diehl, John E.
Diehl, John E., and Smisko.

Stacy, Maurice W., Valparaiso, Ind., assignor to Standard Oil Company, Chicago, Ill. Briquetting asphalt compositions. 2,662,030, Dec. 8.

Stacy, Robert A.: *See*—
Schipper, Robert J., and Stacy.

Stacy, Samuel D.: *See*—
McClure, Nicholas, and Stacy.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Side plate press. 2,624,272, Jan. 6.

Stadd, Donald M., New York, N. Y., and R. P. Schreiber, Washington, D. C. Warmer for casualty evacuation bags. 2,627,266, Feb. 3.

Stadd, Donald M., New York, N. Y., and R. P. Schreiber, Washington, D. C. Catalytic heater. 2,627,306, Feb. 3.

Stader, Otto, Ardmore, Pa. Flush valve guide device. 2,632,182, Mar. 24.

Stadick, Conrad, New Ulm, Minn. Saw carrier guiding device. 2,625,059, Jan. 13.

Stadler, Albert, assignor to Eclipse Fuel Engineering Co., Rockford, Ill. Automatic valve control means responsive to failure of either of two sources of fluid pressure. 2,638,928, May 19.

Stadler, Albert, assignor to Eclipse Fuel Engineering Co., Rockford, Ill. Gas cock. 2,664,263, Dec. 29.

Stadler, Hurter & Company, assignee: *See*—
Hurter, Alfred T.
Hurter, Alfred T., and Attendu.

Stadler, Luther B.: *See*—
Long, Nathan A., Carter, Lindley, Stadler, and Fogleman.

Stadstad, George E., Manvel, N. Dak., assignor to International Harvester Company. Finder mechanism for beet toppers. 2,654,205, Oct. 6.

Stadthaus, Kurt R.: *See*—
Willcox, Thomas N., Gale, and Stadthaus.

Stadtler, Hans G.: *See*—
Nelson, Arthur E., and Stadtler.

Staedtler, J. S., Mars-Bleistiftfabrik, assignee: *See*—
Loy, Georg.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,627,788, Feb. 10.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Condition responsive valve control circuit. 2,627,875, Feb. 10.

Staege, Stephen A., Hamilton, and A. G. Gibson, Middletown, assignors to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,645,346, July 14.

Staehling, Edward C., assignor to The Dow Chemical Company, Midland, Mich. Automatic freezing point measuring apparatus. 2,635,455, Apr. 21.

Staff, Edward H., Detroit, Mich. Ski attachment. 2,625,405, Jan. 13.

Staff, William S., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Pencil galvanometer. 2,633,480, Mar. 31.

Stafford, Bernard A., West Hartford, assignor to Niles-Bement-Pond Company, New Hartford, Conn. Snap-out form separating device. 2,649,156, Aug. 18.

Stafford, David G., Vancouver Island, British Columbia, Canada. Signal horn. 2,645,198, July 14.

Stafford, John A., Tulsa, Okla., assignor to Century Geophysical Corporation. Seismic vibration detector. 2,651,769, Sept. 8.

Stafford, Harry L., Alexandria, Va., assignor to the United States of America as represented by the Secretary of Agriculture. Dye fluid dispensing meter. 2,647,663, Aug. 4.

Stafford, Martin L., assignor of one-half to J. M. Reaume, Los Angeles, Calif. Waste water utilizer for garbage disposals. 2,637,855, May 12.

Stafford, Richard H., East Orange, N. J. Automatic gain control circuits for reducing amplitude variations. 2,662,125, Dec. 8.

Stafford, Virgil L.: *See*—
Covitt, Jack, and Stafford.

Stag, Frederick E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Header disk mounting. 2,630,124, Mar. 3.

Stagg, Irving, Wayne, Mich. Log sawmill for small dimension timber. 2,651,335, Sept. 8.

Staggs, Allen B., Henrietta, Tex. Portable tool heater. 2,637,315, May 5.

Stahel, Hermann, Zurich, Switzerland. Making polishing disks. 2,658,802, Nov. 10.

Stahl, Oscar C.: *See*—
Davis, Elbert, and Stahl.

Stahl, Oscar C., Los Angeles, assignor to American Extruded Products Co., Inc., Hollywood, Calif. Coating method and apparatus for plastic tubing and the like. 2,626,426, Jan. 27.

Stahl, Robert J.: *See*—
Heikes, Norman L., and Stahl.

Stahl, William F., Kenilworth, Ill. Preparation of impregnated laminated tubes. 2,637,674, May 5.

Stahl, William F., Kenilworth, and F. V. Collins, Des Plaines, Ill., said Collins assignor to said Stahl. Bobbin. 2,644,651, July 7.

Stahl, William L.: *See*—
Vogeley, Clyde E., Jr., and Stahl.

Ståhlberg, Gösta E., Solna, Sweden, assignor to Societe d'Investigation & d'Exploitation de Brevets, Tangier, Morocco. Automatic control arrangement in central heating systems. 2,661,906, Dec. 8.

Stahmer, Bernhardt, Omaha, Nebr. Feed chute for potato chip machines. 2,644,500, July 7.

Stahmer, Bernhardt, Omaha, Nebr. Feed mechanism for potato chip machines. 2,651,435, Sept. 8.

Stahmer, Bernhardt, Omaha, Nebr. Lifting magnet. 2,651,538, Sept. 8.

Stahmer, Carl H., San Francisco, Calif. Combination rudder and propeller drive assembly. 2,627,243, Feb. 3.

Stahn, James A., and J. C. Shaw, assignors to Young Radiator Company, Racine, Wis. Heat exchanger. 2,653,799, Sept. 29.

Stahn, Willy, and H. Wandke, Lubeck, Germany. Clamp for supports for solid ceilings. 2,651,097, Sept. 8.

Staiger, Kurt: *See*—
Kamm, Wunibald I. E., Krautter, and Staiger.
Krautter, Willy F., Kamm, and Staiger.

Stainton, Dudley E., Rickmansworth, assignor of one-third to H. G. C. Wilson and one-third to H. J. Haycock, Warwickshire, England. Screw gauge. 2,634,508, Apr. 14.

Stair, William S., assignor to York Corporation, York, Pa. Adjustable discharge louver device for air conditioners. 2,632,375, Mar. 24.

Stålbecker, Sture E., and S. B. Tibbling, Stockholm, Sweden, assignors to International Business Machines Corporation, New York, N. Y. Arrangement in the distant control of typewriters. 2,644,033, June 30.

Stålbecker, Sture E., and S. B. Tibbling, Stockholm, Sweden, assignors to International Business Machines Corporation, New York, N. Y. Remote control of typewriters. 2,644,034, June 30.

Stalcup, Josephine C., Rogers, Ark. Hearing aid assembly adapted for head wear. 2,647,955, Aug. 4.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for forming fibers. 2,626,484, Jan. 27.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for producing fibers. 2,643,415, June 30.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for producing fibers from glass and other heat-softenable materials. 2,645,814, July 21.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for producing fibers. 2,663,903, Dec. 29.

Staley, A. E., Manufacturing Company, assignee: *See*—
Meyer, Walter G.
Scranton, Norman A., and White.

Staley, Allen C., Birmingham, and S. B. Williams, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Gas turbine power plant having coaxially arranged combustors and regenerator. 2,631,430, Mar. 17.

Staley, Austin L., Fox Chapel, assignor to Universal Lubricating Systems, Inc., Oakmont, Pa. Making lubricating fittings. 2,646,614, July 28.

Staley, Austin L., Fox Chapel, assignor to Universal Lubricating Systems, Inc., Oakmont, Pa. Apparatus for making lubrication fittings. 2,662,152, Dec. 8.

Stålhed, John L.: *See*—
Kalling, Bo M. S., Améen, and Stalhed.

Stalker, Edward A., Bay City, Mich. Stabilizing mechanism for rotary wing aircraft. 2,624,531, Jan. 6.

Stalker, Edward A., Bay City, Mich. Gas turbine combustion chamber having controlled laminar flow of air for combustion and insulation. 2,627,719, Feb. 10.

Stalker, Edward A., Bay City, Mich. Automatic and manual control of aircraft. 2,628,793, Feb. 17.

Stalker, Edward A., Bay City, Mich. Helicopter wings and other aircraft structures with boundary layer control. 2,639,874, May 26.

Stalker, Edward A., Bay City, Mich. Gas turbine power plant with controlled rate of rotation. 2,643,512, June 30.

Stalker, Edward A., Bay City, Mich. Gas turbine incorporating compressor. 2,648,492, Aug. 11.

Stalker, Edward A., Bay City, Mich. Compressor. 2,648,493, Aug. 11.

Stalker, Edward A., Bay City, Mich. Axial flow compressor construction. 2,649,243, Aug. 18.

Stalker, Edward A., Bay City, Mich. Rotor construction for fluid machines. 2,649,278, Aug. 18.

Stalker, Edward A., Bay City, Mich. Gas turbine adapted as a starter. 2,650,060, Aug. 25.

Stalker, Edward A., Bay City, Mich. Aircraft surface with boundary layer control. 2,659,552, Nov. 17.

Stalker, Edward A., Bay City, Mich. Rotary hydraulic torque converter. 2,663,996, Dec. 29.

Stallard, Robert L., Glen Rock, assignor to Bendix Aviation Corporation, Teterboro, N. J. Speed control. 2,637,014, Apr. 28.

Stallbohm, H. R., assignee: *See*—
Wenner, Edward F.

Staller, Jack J.: *See*—
Saul, Waldo A., and Staller.

Stallings, Jay W., Harrisburg, N. C., assignor of four-fifths to J. B. Linker, Milwaukee, Wis. Ratchet-type drill. 2,647,420, Aug. 4.

Stallmann, Otto, Bridgeton, N. J., and E. O. Langerak, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Isocyanate dimers as color forming intermediates. 2,643,250, June 23.

Stallsmith, Nelson L., Urbana, Ohio. Adjustable bearing support for gearing. 2,648,230, Aug. 11.

Stalter, Burton E., Buckeye Lake, Ohio. Chance apparatus. 2,641,473, June 9.

Stalter, Joseph F.: *See*—
Lilley, William F., Snyder, and Stalter.

Stalter, Regis W., Pittsburgh, Pa. Building trim. 2,641,030, June 9.

Stalzer, Ralph V., Renwick, Iowa. Switch actuating device for hay balers. 2,640,893, June 2.

Stamatoff, Gelu S., Newark, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Stabilization of polyamides. 2,630,421, Mar. 3.

Stamatoff, Gelu S., Newark, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Heat stabilization of polyamides. 2,640,044, May 26.

Stambaugh, Russell W., Tucson, Ariz. Inlet valve actuator for flush tanks. 2,641,275, June 9.

Stamets, Wm. K., Company, assignee: *See*—
Long, Arthur H.

Stamford, William B., Pittsburgh, Pa. Apparatus for controlling the power supply of machines. 2,633,511, Mar. 31.

Stamicarbon N. V., assignee: *See*—
Fontein, Freerk J.
Fontein, Freerk J., and de Gelder.
Fox, Willem C., and Leeman.

Stamm & Co., assignee: *See*—
Strassler, Hans.

Stamm, Heinrich, assignor to ETA AG., Ebauches-Fabrik, Grenchen, Switzerland. Winding and setting mechanism for watch and clock movements and the like. 2,640,311, June 2.

Stamm, Karl, Berlin-Wilmersdorf, Germany. Rail fastening. 2,638,276, May 12.

Stamos, Harry N., assignee: *See*—
Davis, Delbert A.

Stamper, Willson Y., Newark, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Release valve. 2,635,628, Apr. 21.

Stams, Albrecht, New York, N. Y. Means for cleaning piping systems. 2,636,653, Apr. 28.

Stanard, Joseph D.: *See*—
Beebe, Nathan S., and Stanard.

Stanbury, Keith S., Christchurch, New Zealand. Apparatus for use in telephone or like communication systems. 2,655,557, Oct. 13.

Stancliff, Edwin O., Bakersfield, Calif. Playpen. 2,653,011, Sept. 22.

Stancliff, Gilbert L., Jr., Burbank, and H. G. Jennings, Los Angeles, Calif., assignors, by mesne assignments, to Paramount Pictures Corporation. Control of camera-subject motion in motion-picture photography. 2,648,252, Aug. 11.

Standard Brands Incorporated, assignee: *See*—
Barch, William E.
Johnston, William R., Reich, and Miller.
Kothe, Herbert J.

Standard Button Machine Co., Inc., assignee: *See*—
Ostrochovsky, Milan R.

Standard Cabinet Manufacturing Company, Inc., assignee: *See*—
Theobald, Wilbert E.

Standard Car Truck Company, assignee: *See*—
Christenson, Gust J.
Leese, Charles P.

Standard Coil Products Co., Inc., assignee: *See*—
Gossard, Thomas F.
Swanson, Glen E., and Thias.
Thias, Edwin P.
Thias, Edwin P., Fischer, Gossard, and White.
Wasmansdorff, Carlton.

Standard Container, Inc., assignee: *See*—
Fitch, John C. A.
Vogel, William M., Jr.

Standard Conveyor Company, assignee: *See*—
Eggleston, Ira S.
Eggleston, Ira S., and Boller.

Standard Dayton Corporation, assignee: *See*—
Noodleman, Samuel.
Noodleman, Samuel, and Wise.

Standard Duplicating Machines Corporation, assignee: *See*—
Ajam, Mustafa J., and Bergman.
Ajam, Mustafa J., Paradis, and Bergman.

Standard Dyewood Company, assignee: *See*—
Monroe, Kenneth P.

Standard Electric Time Co., assignee: *See*—
Riggs, George L., Jr.

Standard Gage Company, Inc., assignee: *See*—
Aldeborgh, Erik H.
Delaney, John E.
Emery, Alfred H.

Standard Machinery Company, The, assignee: *See*—
Davis, Benjamin H.

Standard Manifold Company, assignee: *See*—
Hatfield, Charles W.

Standard Mirror Company, assignee: *See*—
Bertell, Paul, and Meade.
Bertell, Paul, and Weingartner.

Standard Motor Company Limited, The, assignee: *See*—
Grinham, Edward G., and Webster.

Standard Oil Company, assignee: *See*—
Alm, Robert M.
Arnold, Robert C., and Deters.
Arnold, Robert C., and Lien.
Arnold, Robert C., Lien, and Deters.
Arthurs, Stanley.
Bartleson, John D.
Bartleson, John D., and Campbell.
Beretvas, Helen S.
Bielstein, Walter J.
Bowman, Norman J.
Bragg, Charles E.
Brown, Russell H.
Browning, George V., and Webb.
Brunstrum, Lawrence C.
Burney, Donald E., and Shoemaker.
Carr, James W., Jr., Griffin, and Nicholson.
Cerveny, William J.
Cord, Howard O., Merten, and Klapheke.
Cropper, Wendell P., and Schmitkons.

Standard Oil Company, assignee: *See*—Continued.
Dinerstein, Robert A.
D'Ouville, Edmond L.
Doyle, Philip C., and Rudd.
Efferson, George M.
Fell, William K., and Leslie.
Fischer, Wilbur F., and Young.
Foreman, Robert W., and Fink.
Frazier, David.
Friden, James E., and Shire.
Fuqua, Mack C.
Garber, John D., and Sparks.
Goronowski, Edward J.
Harban, Arthur A., and Johnson.
Hart, Hal M.
Heard, Llewellyn, and Den Herder.
Hengstebeck, Robert J.
Hibshman, Henry J.
Hughes, Everett C., and Milberger.
Hughes, Everett C., and Veatch.
Jackson, Warren, Jr., and Foreman.
Kalinowski, Mathew L.
Kimberlin, Charles N., Jr., and Gladrow.
Klueger, Joseph E.
Krause, Jack H.
Krause, Jack H., and Brown.
Kuentzel, Ward E.
Kuentzel, Ward E., and Field.
Kusa, Henry J.
Lemmon, Norman E., and Karil.
Lemmon, Norman E., Schuessler, and Bransky.
Liehe, Hubert J.
Lien, Arthur P., and Evering.
Lien, Arthur P., and McCaulay.
Lindert, Albert W.
Love, Robert M.
MacLaren, Frederick H.
MacLaren, Frederick H., and Kalinowski.
MacLaren, Frederick H., and Schwartz.
Mattano, Leonard A.
Matuszak, Alfred H., and Weisel.
McCaulay, David A., and Lien.
McCulley, John H., and Dayton.
Metzner, Albert W.
Morrell, Charles E.
Morris, Charles A., and Exner.
Morrow, Morris R.
Nicolai, Lloyd A.
Ogorzaly, Henry J., and Sewell.
Ortloff, John E.
Packard, Henry S.
Palmer, Jewell S.
Peters, Edwin F., and Evering.
Potter, Raymond I.
Pramuk, Edward M. B., and MacLaren.
Proell, Wayne A.
Quiram, Ernest R., and Lewis.
Ragland, Douglas.
Rumbaugh, Walter R.
Russell, Francis R.
Russum, Leonard W., and Hengstebeck.
Sachse, William E.
Schroeder, Carl J.
Schutze, Henry G., and Cier.
Serniuk, George E.
Shire, William A., Jr.
Smith, Joseph B.
Smith, Paul V., Jr., and Young.
Smith, Warren M.
Sparks, William J., Morway, and Young.
Sparks, William J., and Nelson.
Sparks, William J., and Thomas.
Sparks, William J., and Young.
Stacy, Maurice W.
Stuart, David O., and Mecklin.
Sweetser, Sumner B.
Symonds, Fred L.
Tom, Theodore B., and Krause.
True, Martin E.
Viles, Prentiss S.
Voorhees, Vanderveer.
Voorhies, Alexis, Jr., and Adams.
Watson, Albert T., and Hastings.
Watson, Roger W., and Ditto.
Webb, Glenn M.
Weisemann, Gert H.
Wolff, William F., and Johnson.
Young, David W., Cottle, and Fischer.
Young, David W., and Smith.

Standard Oil Development Company, assignee: *See*—
Abendroth, Guss F.
Abendroth, Guss F., Tausch, and Ward.
Adams, William H., and Ervine.
Alexander, Warren A.
Allen, Thomas O.
Archibald, Francis M., Konrad, and Haney.
Arendt, Harry S., and Abendroth.
Arey, William F., Jr.
Arey, William F., Jr., and Wood.
Arundale, Erving, and Banes.
Ayers, Ellsworth B.
Bailey, Bradford E.
Ballenger, James M.
Banes, Fred W., FitzGerald, and Nelson.

Standard Oil Development Company, assignee: *See*—Con.
Banes, Fred W., Gessler, and Fischer.
Banes, Fred W., and Lippincott.
Banes, Fred W., Young, and Hund.
Barr, Frank T.
Barr, Frank T., and Nelson.
Barr, Frank T., and Rex.
Barr, Roger D.
Bartlett, Jeffrey H.
Bartlett, Jeffrey H., and Cross.
Becnel, Herman M.
Bennett, Rufus B.
Bethea, Sam R.
Betts, Raymond L., and Leslie.
Black, James F.
Blanding, Forrest H.
Blatz, Leo J.
Blatz, Leo J., and Brandon.
Blood, Robert H.
Booker, John D.
Boucher, Frank G.
Bradley, John M.
Brandon, Richard C.
Breedlove, Harry B.
Browder, John G.
Browder, John G., and Smith.
Brown, Herbert F., and Maass.
Brown, James W., and Jahnig.
Broyles, Alvin C.
Bruce, William A.
Burney, Donald E., and Cerveny.
Calfee, John D., and Kraus.
Cannon, George E.
Cardwell, Milton M., Roddey, and Tyson.
Carlson, Carl S., Biribauer, and Porter.
Carlson, Carl S., and Smith.
Carrier, E. Wendell.
Charske, Charles J.
Cier, Harry E.
Clendenin, Edward H., and Wurth.
Clevenger, Oliver L., McElhannon, and Jones.
Cohen, Charles A., and Knoth.
Cohen, Charles A., and Muessig.
Connolly, Gerald C., and Cottle.
Cooke, Henry H., and Russo.
Corner, Eugene S., and Fischl.
Corner, Eugene S., and Lynch.
Cottle, Delmer L., and Young.
Crookston, Robert R.
Crookston, Robert R., and Brown.
Crookston, Robert R., and Chappell.
Crookston, Robert R., and Waters.
Crumrine, Kenneth C.
Cunningham, Mary E., and Beach.
Cyphers, Elmer B.
Cyphers, Elmer B., and Michaels.
Cyphers, Elmer B., and Waddey.
Dana, Paul M.
Dinwiddie, James A., and Leesemann.
Dixon, Thomas W., and Sproule.
Drout, William M., Jr.
Drout, William M., Jr., Carlson, Scheeline, and Smith.
Drout, William M., Jr., and Emerson.
Emerson, William G., Jr., and Quelly.
Etherington, Lewis D.
Fenske, Merrell R., and Reed.
Fischer, Wilbur F.
Fischl, Fred B., and Hill.
Franklin, Joe L., Jr.
Fritz, Robert J.
Froebel, Carlton A., and Green.
Fuqua, Mack C.
Gilcrease, John R., and Fuqua.
Giraitis, Albert B., and Fuqua.
Gleason, Anthony H.
Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
Gornowski, Edward J., and Nelson.
Graff, Alvin R.
Greene, Robert L.
Griffin, Harold F., and Crookston.
Griffin, Harold F., and Wright.
Hamner, Glen P., and Jones.
Harding, Clarke T., Mayer, and Wright.
Hawley, Roger S.
Heigl, John J.
Heinrich, Raymond L.
Hemminger, Charles E.
Henn, Albert C., and Peterson.
Herbst, Walter A.
Hildebrandt, Alexander B.
Hill, Boyd N.
Hill, Max W.
Hill, Max W., and Jones.
Hoffmann, Edward J., and Wadley.
Hogin, David R.
Holder, Clinton H.
Holland, Hal H., Jr.
Hollyday, William C., Jr., and Mahan.
Holtzclaw, John B.
Holtzclaw, John B., and Brooks.
Howe, Ralph F., and Holloway.
Hubbard, Addison W., and Smith.
Huber, Theodore A.
Hunter, Edward A., and Kimberlin.

Standard Oil Development Company, assignee: *See*—Con.
Ilfrey, Allen H.
Jacks, Robert L., and Carter.
Johnson, Homer F., Jr.
Johnson, Russell R.
Jonach, Frederick L.
Jonach, Frederick L., Wilson, and Heigl.
Jones, Allen R., and Smith.
Jones, Minor C. K.
Jones, Robert H.
Jones, Robert H., and Moody.
Jones, Thomas G.
Kanady, William E.
Kaulakis, Arnold F.
Kestner, William N., Kohfeldt, and Barillier.
Kimberlin, Charles N., Jr.
Kimberlin, Charles N., Jr., Adams, Krebs, and Richardson.
Kimberlin, Charles N., Jr., and Arey.
Kirshenbaum, Abraham D., and Boyle.
Kirshenbaum, Abraham D., and Rudel.
Kittleson, Allen R.
Knox, William T., Jr.
Kraus, Charles A., and Young.
Krebs, Robert W.
Krebs, Robert W., and Lewis.
Lanneau, Keith P., and Charlet.
Lawrence, Franklin L.
Leary, Robert F.
Leas, William J.
Lewis, Warren K.
Lewis, Warren K., Jr.
Leyden, George B.
Lieber, Eugene, and Cashman.
Lifson, William E., and Morris.
Linn, Norman F., Ernst, and Scott.
Linn, Norman F., Scott, and Rupp.
Lippincott, Samuel B.
Lippincott, Samuel B., Baumgartner, and Yowell.
Lubbock, Charles W.
Lynn, Ralph D.
Lytle, Melba L.
MacPherson, Robert E., Jr., and Schricker.
Mahan, Marvin H.
Marancik, Frank G., and Laudenberger.
Martin, Homer Z.
Martin, Homer Z., and Lewis.
Mason, Ralph B.
Mason, Ralph B., and Rose.
Matheson, George L.
May, Walter G., and Matheson.
Mayer, Ivan, and Johnson.
McCarthy, Harold M.
McDermott, John P.
McGowan, Gaylon H.
McKean, Jerome G.
McKinney, David H., and Harris.
McNulty, George M., and Cross.
Mertzweiller, Joseph K.
Mertzweiller, Joseph K., and Parker.
Merz, Richard E.
Mikeska, Louis A.
Mikeska, Louis A., and Eby.
Mikeska, Louis A., and Smith.
Moak, Ottis W., and Spicer.
Morrow, Morris R.
Morway, Arnold J., and Smith.
Morway, Arnold J., and Young.
Morway, Arnold J., Young, and Cottle.
Mottern, Henry O.
Mottern, Henry O., and Philo.
Mounce, Whitman D.
Munday, John C., and Rogers.
Murphree, Eger V.
Nelson, Joseph F.
Nelson, Joseph F., and Gleason.
Nelson, Norman A.
Neudeck, Joseph E.
Nicholson, Edward W. S.
Nicolai, Lloyd A., and Molstedt.
Norman, James S., Jr.
Novak, August W., and Mildrum.
Nunn, Thomas J., Leach, and Rogers.
Odell, William W.
Odell, William W., Morrell, and Scheeline.
Ogorzaly, Henry J.
O'Halloran, Rosemary.
Ortloff, John E.
Packie, John W.
Palmer, Jewell S.
Parker, Paul T.
Perry, Stephen F.
Perry, Stephen F., and Bailly.
Pfennig, Reuben F.
Pitts, William A., and Carothers.
Quelly, Joseph R., and Sankus.
Ragland, Douglas.
Ramsey, George H.
Rees, Kenneth A., Innes, and L. M. and R. W. Williams.
Rex, Walter A., and Nelson.
Rex, Walter A., and Vickers.
Ricards, Harold A., Jr., Vanderbilt, and Arundale.
Richardson, Roger W., Bilisoly, and Segura.

Standard Oil Development Company, assignee: *See*—Con.
Richmond, Robert P.
Roberts, John T.
Robison, Samuel B., and Rehner.
Roediger, Joseph C.
Rollman, Walter F.
Rowan, Robert, Jr.
Rudel, Harry W.
Rudel, Harry W., and Gargisa.
Rudel, Harry W., and Wasson.
Rupp, Walter H.
Russell, Barrett B., 3rd, and Rickles.
Sage, Richard W., and Jennings.
Salathiel, Richard A.
Sayko, Andrew F., and Briggs.
Saylor, John S., Jr.
Scharmann, Walter G.
Schneider, Helmuth G., and Brakeley.
Schneider, Helmuth G., and Goering.
Schneider, Helmuth G., Van Siclen, and Brakeley.
Schrader, Leo W.
Schutze, Henry G., and Cler.
Seljos, Arthur L.
Sewell, Ben W.
Shmidl, Albert J.
Showalter, Jere C., and Shmidl.
Smith, Clara D.
Smith, Lester H.
Smith, Paul V., Jr., and Knoth.
Smith, Paul V., Jr., and McPherson.
Smith, Paul V., Jr., Young, and Newberg.
Spark, William J., Young, and Garber.
Sparks, William J., and Young.
Sproule, Lorne W., and Gray.
Sproule, Lorne W., and King.
Starr, Charles E., Jr., and Charlet.
Starr, Charles E., Jr., McAdams, and Billisoly.
Stearns, Reid F.
Steeves, Asa B.
Stines, Daniel E.
Stone, Albert L.
Strickland, Barney R., and Lewis.
Sumerford, Simpson D.
Sweetser, Sumner B., and Scharmann.
Taff, Wilfred O., and Hardy.
Taff, Wilfred O., and Weikart.
Tegge, Bruce R.
Thorpe, Thomas C. G., and Dodds.
Thwaites, Herman L., and Russell.
Tiedje, John L., and McGrath.
Tuttle, John B.
Tutwiler, Thomas S.
Tyson, Charles W.
Van Gilder, Carll F.
Van Gilder, Carll F., and Harney.
Vickers, Herbert H., and Jaros.
Viles, Prentiss S.
Wadley, Edward F., and Horeczy.
Wasson, Jones P.
Watts, Rhea N., and Billisoly.
Weikart, John.
Weisel, Charles A.
Welch, Lester M.
Welch, Lester M., and Serniuk.
Welty, Albert B., Jr.
Wiese, Herbert K.
Williams, William A.
Wilson, Samuel W.
Wilson, Samuel W., and Delaune.
Wood, Robert S.
Young, David W.
Young, David W., and Cottle.
Young, David W., and Hardy.
Young, David W., and Newberg.
Young, David W., Smyers, and Sparks.
Young, David W., and Vanderbilt.
Zenor, Hughes M.

Standard Packaging Corporation, assignee: *See*—
Bozek, John S.
Bozek, John S., and Weldanz.
Zimmermann, Willy E.

Standard Paper Box Corp., assignee: *See*—
Petter, Noel A.

Standard Pattern Works, assignee: *See*—
Miller, Clarence H.

Standard Plastics Company, Inc., assignee: *See*—
Nerney, George E.

Standard Pressed Steel Co., assignee: *See*—
Bennett, Frank.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Garber, Otis A.
Nystrom, Karl T.
Swann, James S.
Swint, Franklin H.
Thompson, Alfred L., Nystrom, McQuiddy, and Stanley.
Zeidler, Kurt E.

Standard Register Company, The, assignee: *See*—
Davidson, John T.
Davidson, John T., and Kroemer.
Davidson, John T., and Stimson.
Golob, John E.

Standard Register Company, The, assignee: *See*—Con.
Metzner, Albert W.
Stimson, Percy G.
Zimmerman, Jerome G.

Standard Rivet Company, The, assignee: *See*—
Hardy, Thomas H., and Richards.

Standard Safety Equipment Co., assignee: *See*—
Hoagland, Earl J.

Standard Steel Spring Company, assignee: *See*—
Fick, Nathaniel C., and Crites.

Standard Telephone and Cables Limited, assignee: *See*—
Wright, Esmond P. G., and Weir.

Standard-Thomson Corporation, assignee: *See*—
Gravenstine, George E., and Hummert.
Woods, John E.
Woods, John E., and McMahon.

Standard Tube Company, The, assignee: *See*—
Ofenstein, Robert C., and Willis.

Standen, John H.: *See*—
Stewart, William D., and Standen.

Standfast, George A., Jefferson City, Mo. Oblique rail joint. 2,643,064, June 23.

Standing, Marshall B., and J. F. Chittum, Whittier, assignors to California Research Corporation, San Francisco, Calif. Drilling fluid filter loss tester. 2,646,678, July 28.

Stanfield, James R., Birmingham, and T. K. Garrett, Rubery, near Birmingham, assignors to The Austin Motor Company Limited, Birmingham, England. Road vehicle body of chassisless type. 2,645,519, July 14.

Stanford, James M., Fort Lauderdale, Fla. Payroll computer. 2,660,376, Nov. 24.

Stanford Roberts Manufacturing Company, The, assignee: *See*—
Ovshinsky, Stanford.

Stanford, William T., Salem, Ill. Web winding and unwinding control. 2,635,825, Apr. 21.

Stange, Delmar, assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Cutting shoe for bagmaking machines. 2,640,540, June 2.

Stange, Ferdinand F., assignor to Foster Machine Company, Westfield, Mass. Bobbin supporting mechanism for automatic yarn winders. 2,632,612, Mar. 24.

Stange, Wm. J., Co., assignee: *See*—
Ansel, Harry R.

Stanin, Theodore E.: *See*—
Dickey, Joseph B., and Stanin.
Dickey, Joseph B., Stanin, and Coover.

Stanin, Theodore E., H. W. Coover, and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Process for preparing polymers of acrylonitrile. 2,629,711, Feb. 24.

Stanin, Theodore E., H. W. Coover, and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Process for preparing polymers of acrylonitrile. 2,629,712, Feb. 24.

Stanin, Theodore E., and J. B. Dickey, Rochester, N. Y., and H. W. Coover, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Stabilized solutions of acrylonitrile polymers and stabilized solvent. 2,642,408, June 16.

Stanin, Theodore E., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Polymerization of acrylonitrile in presence of formylated polyvinyl alcohol. 2,649,435, Aug. 18.

Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Knockdown table top and back splash construction. 2,646,326, July 21.

Stanitz, John D., Lakewood, Ohio. Explosion-cycle jet propeller for aircraft propulsion. 2,651,376, Sept. 8.

Stanius, Godfrey, assignor to Acme Steel Company, Chicago, Ill. Coil unreeler. 2,637,509, May 5.

Stankey, John E., Altadena, Calif., assignor to the United States of America as represented by the Secretary of the Air Force. Step attenuator switch. 2,660,626, Nov. 24.

Stankiewicz, Evangeline R., and M. K. Taylor, Syracuse, N. Y. Scarf hat. 2,651,044, Sept. 8.

Stanko, Stefan, Saint-Jean de Maurienne, France, assignor to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Preparing carbon base paste. 2,645,583, July 14.

Stankovich, George P., Minneapolis, Minn. Mounting apparatus for sharpening tools, blades, and the like. 2,644,279, July 7.

Stanks, John J., Des Plaines, Ill. Twin exposure device for cameras. 2,631,510, Mar. 17.

Stanley, Aubrey H., Clayton, and L. E. Maynard, Plainfield, Ind. Dolly for supporting tractor front wheels. 2,661,856, Dec. 8.

Stanley, Everett N., Casper, Wyo. Projectile-accelerating mechanism for firearms. 2,648,257, Aug. 11.

Stanley, Franklin P., Wilmington, Calif. Christmas tree stand. 2,650,783, Sept. 1.

Stanley Home Products, Inc., assignee: *See*—
Bagley, John F., Jr.
Petrone, James.

Stanley, John C., Duquesne, Pa., assignor to United States Steel Corporation. Checkerwork for heat regenerators. 2,655,366, Oct. 13.

Stanley, Lamont C.: *See*—
Carney, Charles S., Fritze, and Stanley.

Stanley, Malcolm N., Newton, Mass. Collapsible boat. 2,644,177, July 7.

Stanley, Paul H., Glenside, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft rotor with tilting hub and damper control of blade swinging. 2,639,776, May 26.

Stanley, Paul H., Glenside, assignor to Autogiro Company of America, Philadelphia, Pa. Molded aircraft sustaining rotor blade. 2,659,444, Nov. 17.

Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Lightweight structure for aircraft sustaining rotor blades. 2,637,405, May 5.

Stanley, Richard B.: *See*—
Thompson, Alfred L., Nystrom, McQuiddy, and Stanley.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread storage reel 2,628,410, Feb. 17.

Stanley, Richard W., Lakewood, Ohio, assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,659,955, Nov. 24.

Stanley, Richard W., Rocky River, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread processing reel. 2,654,962, Oct. 13.

Stanley, William E., and F. C. Brown, Spondon, near Derby, England, assignors to British Celanese Limited. Producing a textile fabric. 2,639,488, May 26.

Stanley Works, The, assignee: *See*—
Baldwin, Robert L.
Kopec, Stanley J.
Loomis, Austin C.
Manoogian, Harold M.
Robinson, David M.
Roby, Sheldon S.
Volz, Frederick A.

Stanolind Oil and Gas Company, assignee: *See*—
Barnes, David K.
Barton, Gerald D.
Bedford, Charles F.
Clark, Joseph B.
Cordell, Ralph L.
Doolittle, Waddie W.
Eliot, Theodore Q.
Eliot, Theodore Q., and Weaver.
Evans, John R., Elkins, and Klinzing.
Farris, Riley F.
Harris, Frederic R.
Kratzer, Myron B.
Lash, Charles C.
Lummus, James L.
McManis, Louis B., and Cooper.
Michael, Vesta F.
Pace, Benjamin S.
Pearce, Frank G.
Roberts, George, Jr.
Rzasa, Michael J.
Silverman, Daniel.
Silverman, Daniel, Eisler, and Lash.
Silverman, Daniel, Newton, and Skinner.
Steitz, Alfred, Jr.
Steitz, Alfred, Jr., Grekel, Eliot, and Weaver.
Vandaveer, Roscoe F.

Stansbury, Harry A., Jr., and R. W. McNamee, Charleston, W. Va., assignors to Union Carbide and Carbon Corporation. 3-ethoxypropyl 3-ethoxypropionate. 2,648,703, Aug. 11.

Stansbury, Inc., assignee: *See*—
Ford, Paul T.

Stansell, Earl E., assignee: *See*—
Gardner, Arthur O.

Stanton, Allen A., Seattle, Wash. Forming edge for overstuffed furniture 2,628,667, Feb. 17.

Stanton, Arthur J.: *See*—
Campbell, Ernest F., Kinzelman, and Stanton.

Stanton, Austin N., Garland, Tex. Bandage. 2,646,040, July 21.

Stanton, Austin N., Garland, Tex. Potential measuring device. 2,659,863, Nov. 17.

Stanton, Edward W., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine table of the drophead type. 2,654,650, Oct. 6.

Stanton, George W., Walnut Creek, and T. B. Lefferdink, Concord, Calif., assignors to The Dow Chemical Company, Midland, Mich. Removing salts from polyacrylonitrile. 2,648,592, Aug. 11.

Stanton, George W., Walnut Creek, and T. B. Lefferdink, Concord, Calif., assignors to The Dow Chemical Company, Midland, Mich. Removing salts from polyacrylonitrile. 2,648,593, Aug. 11.

Stanton, George W., Walnut Creek, T. B. Lefferdink, and T. C. Spence, Concord, Calif., assignors to The Dow Chemical Company, Midland, Mich. Salt solutions of high acrylonitrile polymers. 2,648,646, Aug. 11.

Stanton, George W., Walnut Creek, T. B. Lefferdink, Concord, and C. W. Davis, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. Polymerizing acrylonitrile in aqueous mixed salts. 2,648,647, Aug. 11.

Stanton, George W., Walnut Creek, T. B. Lefferdink, Concord, and C. W. Davis, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. High acrylonitrile polymer solutions. 2,648,648, Aug. 11.

Stanton, George W., Walnut Creek, T. B. Lefferdink, and T. C. Spence, Concord, Calif., assignors to The Dow Chemical Company, Midland, Mich. Acrylonitrile polymers plasticized with aqueous inorganic salt solutions. 2,648,649, Aug. 11.

Stanton, James M., Buffalo, Wyo., and F. Bertolero, Lead, S. Dak. Machine having rotary brush for washing and cleaning glasses and cups. 2,636,199, Apr. 28.

Stanton, John S., Claremont, Calif. Method and apparatus for assessing transient stresses within bodies. 2,625,850, Jan. 20.

Stanton, Leo E., Jerseyville, Ill. Creeper lamp attachment. 2,636,705, Apr. 28.

Stanton, Lon, Lake Ozark, Mo. Gauge for swayed saw-teeth. 2,626,466, Jan. 27.

Stanton, Robert E., Denver, Colo. High-temperature treatment of compounds. 2,657,917, Nov. 3.

Stanton, Samuel A., Neosho, Mo. Potato bug catching apparatus. 2,627,138, Feb. 3.

Stanton, William E., Corpus Christi, Tex. Fishing reel. 2,643,829, June 30.

Stanton, William R., Penn, Wolverhampton, assignor to Textuff Limited, London, England. Coating cotton fabrics. 2,639,966, May 26.

Stanworth, Stephen, assignor to Thomas Ashworth and Company Limited, Rosegrove, Burnley, England. Manufacture of warp and other flanged beams. 2,643,902, June 30.

Stanworth, Stephen, Burnley, assignor to Thomas Ashworth and Company Limited, Rosegrove, Burnley, England. Warp beam or the like. 2,651,475, Sept. 8.

Staples, Crawford E., Turtle Creek, Pa., assignor to Westinghouse Air Brake Company. Directional relay control circuits for railway signaling systems. 2,625,649, Jan. 13.

Staples, Crawford E., Turtle Creek, Pa., assignor to Westinghouse Air Brake Company. Code detecting apparatus. 2,654,081, Sept. 29.

Staples, Otis E., assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio. Machine tool. 2,629,291, Feb. 24.

Staples, Otis E., assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio. Gear grinding machine. 2,642,702, June 23.

Staples, Otis E., Euclid, and A. J. Bent, Willoughby, assignor to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Hobbing machine. 2,629,290, Feb. 24.

Stapleton, Bruce E., Dallas, Tex. Foldable ladder and hinge members therefor. 2,662,681, Dec. 15.

Stapleton, Joie L., Lawrence, Kans. Game net end member. 2,638,346, May 12.

Stapleton, Thomas C.: *See*—
Reinhardt, Otto K., and Stapleton.

Stapling Machines Co., assignee: *See*—
Kingsley, David G.
MacNamara, Clifford J.

Stapp, Chester C.: *See*—
Wells, Olga V., Borst, and Stapp.

Star Engraving Company, assignee: *See*—
Scott, John M.

Star Metal Products Co., assignee: *See*—
Rosenblum, Leonard.

Star Pin Company, The, assignee: *See*—
Heavens, John E., Jr.

Starbird, Edward E.: *See*—
Pidacks, Charles, and Starbird.

Starbird, George A., Agoura, assignor to Meletron Corporation, Los Angeles, Calif. Temperature responsive switch. 2,640,129, May 26.

Starbird, George A., Agoura, Calif., assignor to Meletron Corporation. Hermetically sealed pressure switch. 2,648,732, Aug. 11.

Starbird, George A., Agoura, assignor to Meletron Corporation, Los Angeles, Calif. Pressure operated temperature responsive switch. 2,648,741, Aug. 11.

Starbuck, Herman S., Cincinnati, Ohio, assignor to Continental Electric Equipment Co., Ludlow, Ky. Testing device for fluorescent tube fixtures. 2,630,551, Mar. 3.

Starbuck, R. M., & Sons, Inc., assignee: *See*—
Joy, Alfred R.

Starck, Arthur M., Norwalk, Conn. Window construction. 2,628,390, Feb. 17.

Starck, Clemens B.: *See*—
Nadeau, Gale F., and Starck.

Stareck, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Composition bath, and process for chromium plating. 2,640,022, May 26.

Stark Ceramics, Inc., assignee: *See*—
Ramsay, William S.

Stark, Donald A.: *See*—
Waterman, William, and Stark.

Stark, Dorothy, administratrix: *See*—
Stark, Nathan I.

Stark, Frank L., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Method of killing weeds. 2,629,655, Feb. 24.

Stark, John B.: *See*—
Owens, Harry S., Stark, and Goodban.

Stark, Julian H., Fort Wayne, Ind., assignor to General Electric Company. Lundel rotor construction. 2,651,733, Sept. 8.

Stark, Ludwig A., Tenafly, N. J. Yieldable belt buckle. 2,630,612, Mar. 10.

Stark, Nathan L., deceased, West Orange, N. J.; D. Stark, administratrix. Bookholder. 2,661,568, Dec. 8.

Stark, William T.: *See*—
Lundquist, Wilton G., Stark, and Schaffer.

Starkey, Neal E., Schenectady, N. Y., assignor to General Electric Company. Regulator for variable nozzle gas turbine power plants. 2,625,789, Jan. 20.

Starkey, Neal E., Schenectady, N. Y., assignor to General Electric Company. Fluid pressure servo mechanism. 2,637,334, May 5.

Starkey, Neal E., Schenectady, N. Y., assignor to General Electric Company. Hydraulic servo mechanism for gas turbine fuel regulators. 2,659,349, Nov. 17.

Starkey, William A., Zionsville, assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Coating articles. 2,632,716, Mar. 24.

Starkey, William A., Zionsville, assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating apparatus. 2,636,471, Apr. 28.

Starks-Field, Alfred B., Chelmsford, assignor to Marconi's Wireless Telegraph Company Limited, London, England. Saw-tooth wave circuits. 2,662,198, Dec. 8.

Starkweather, Lloyd C.: *See*—
Davies, James R., and Starkweather.

Starline Inc., assignee: *See*—
Ferris, Robert G.

Starner, John W., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Dispensing closure and container. 2,660,344, Nov. 24.

Starnes, Luther P.: *See*—
Harris, James C. P., and Starnes.

Starnes, Peter E.: *See*—
Laing, John W., and Starnes.

Starnes, Peter E., Boreham Wood, assignor to John Laing & Son Limited, London, England. Production of cellular concrete blocks. 2,635,052, Apr. 14.

Starr, Arthur T., and H. Grayson, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric pulse modulation system of communication. 2,657,269, Oct. 27.

Starr, Charles E., Jr., and E. M. Charlet, Baton Rouge, La., assignors to Standard Oil Development Company. Synthesis control process. 2,636,904, Apr. 28.

Starr, Charles E., Jr., D. R. McAdams, and J. P. Billisoly, Baton Rouge, La., assignors to Standard Oil Development Company. Alkaline earth fluoride treatment of used cracking catalysts. 2,638,453, May 12.

Starr, John H.: *See*—
Loewen, Roland P., and Starr.

Starr, John H., Mayville, assignor to John Deere Van Brunt Company, Horicon, Wis. Cultivator. 2,626,547, Jan. 27.

Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Cultivator. 2,626,551, Jan. 27.

Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Fertilizer distributor bearing. 2,631,069, Mar. 10.

Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Power lift. 2,654,302, Oct. 6.

Starr, John H., Mayville, assignor to John Deere Van Brunt Company, Horicon, Wis. Self-interrupting clutch. 2,657,780, Nov. 3.

Starrett, George: *See*—
Fagg, Howard, and Starrett.

Startz, Ambrose J.: *See*—
Meadows, James L., Howell, Startz, and Miller.

Starvo, Stephen H., West Roxbury, Mass., assignor to Sylvania Electric Products Inc. Gaseous discharge electrode assembly and tube. 2,631,255, Mar. 10.

Starzyk, Frederick F., assignor to Tenderet Sales Company, Chicago, Ill. Meat patty forming and sealing machine. 2,641,094, June 9.

Stascavage, Walter W., Exeter, Pa. Stabilizer for lower artificial dentures. 2,636,268, Apr. 28.

Staschover, Leo, Jamaica, and L. Rosenberg, Elmhurst, assignors to International Standard Electric Corporation, New York, N. Y. Phase detector. 2,640,939, June 2.

Staschover, Leo., New York, N. Y., and H. A. French, Belleville, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Automatic frequency control system. 2,654,032, Sept. 29.

Stassinos, Odysseus, Charlotte, N. C. Emergency stretcher. 2,643,395, June 30.

Stastny, William, and P. Kostelancik, assignors to Lanzit Corrugated Box Company, Chicago, Ill. Box construction. 2,661,890, Dec. 8.

Staszak, Walter F., Argo, and P. E. Shaw, Brookfield, Ill. Striking plate for hammers. 2,633,766, Apr. 7.

State Mfg. Co., assignee: *See*—
Danciart, Theodore T.

State of Oregon, acting by and through the Oregon State Board of Forestry, assignee: *See*—
Kurth, Ervin F.
MacDonald, Mortimer D.

Statia, Edwin V., Sr., Royal Oak, assignor of one-half to E. L. Chapman, Detroit, Mich. Precision boring device. 2,627,193, Feb 3.

Stator Company, assignee: *See*—
Weaver, Eastman A.
Whitney, William E.

Staub, Cyril S.: *See*—
Snow, Donald L., and Staub.

Staubli, Heinrich H., and J. Eichholzer, assignors to Gebr. Staubli & Co., Horgen, Zurich, Switzerland. Closed shed dobby. 2,635,644, Apr. 21.

Stauch, Fritz, Greater Berlin, Germany. Soil irrigation system. 2,653,449, Sept. 29.

Staude, E. G., Manufacturing Company, Inc., assignee: *See*—
Fischer, Paul E.

Staudenmeier, Georg: *See*—
Blessing, Albert, Staudenmeier, Tilch, and Kaiser.

Stauffer, Andrew D., Leipsic, Ohio. Tractor mounted sweep rake. 2,656,663, Oct. 27.

Stauffer Chemical Company, assignee: *See*—
Bashour, Joseph T.
Campbell, Ramsey G.
McColgan, John M.
Pitt, Harold M., and Boggs.

Stauffer, Christian M., East Hempfield Township, Lancaster County, and G. E. Ehle, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Machine for treating box toe blanks and counter stiffeners with a conditioning liquid 2,631,564, Mar. 17.

Stauffer, Dale A., and O. E. Fancher, assignors to Miles Laboratories, Inc., Elkhart, Ind. Spiro [cyclohexane-1,9'-fluorene] amines. 2,647,896, Aug. 4.

Stauffer, Edward J., assignor to Kroehler Mfg. Co., Naperville, Ill. Double angular cut glue block producing machine. 2,634,769, Apr. 14.

Stauffer, Edward J., assignor to Kroehler Mfg. Co., Naperville, Ill. Couch-bed construction. 2,658,208, Nov. 10.

Stauffer, Edwin E., East Lyndon, assignor to Lancaster Belting & Textile Supply Company, Lancaster, Pa. Box front for automatic looms. 2,636,521, Apr. 28.

Stauffer, William R.: *See*—
Toulmin, Harry A., Jr., and Stauffer.

Stauffer, William R., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Sponge rubber composition. Re. 23,697, Aug. 4.

Stautzenberger, Adin L.: *See*—
MacLean, Alexander F., and Stautzenberger.

Stavineer Corporation, assignee: *See*—
Moynihan, John J.

Stayner, Richard D.: *See*—
Lewis, Allen H., and Stayner.

Stayner, Richard D., Albany, assignor to California Research Corporation, San Francisco, Calif. Preparation of alkane phosphonic acids. 2,652,426, Sept. 15.

Stead, Edward B.: *See*—
Fulton, Hugh W., Stead, and More.

Stead, Ernest, A. Murray, and D. Burtonshaw, assignors to Yorkshire Dyeware and Chemical Company Limited, Leeds, England. Dyeing of nylon with sulfonamide azo dyes. 2,638,403, May 12.

Stead Rail Anchor Company Limited, The, assignee: *See*—
Marvin, Charles H.

Stead, Richard H.: *See*—
Swenson, James A., Burns, and Stead.

Stead, Richard H., Revere, and W. E. Burns, Norfolk, Mass. Razor blade pocket knife. 2,631,371, Mar. 17.

Stead, Vergil G., assignee: *See*—
Bailey, Malcolm, Sr.

Stearn, William T., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Thread guide. 2,624,528, Jan. 6.

Stearns, Frank H., Meriden, assignor to Split Ballbearing Corporation, Lebanon, N. H. Bearing construction. 2,657,105, Oct. 27.

Stearns, Frank H., Meriden, and A. J. Thibault, Enfield, assignors to Split Ballbearing Corporation, Lebanon, N. H. Bearing and making same. 2,648,578, Aug. 11.

Stearns, Frank H., Meriden, and A. J. Thibault, Enfield, N. H., said Stearns assignor to said Thibault. Fastening device. 2,652,297, Sept. 15.

Stearns, Howard E., Grand Island, Nebr. Side outlet for above-ground irrigation pipes. 2,647,539, Aug. 4.

Stearns, Joseph L., and C. H. Hoffman, Laurel, Md., assignors, by mesne assignments, to American Machine & Foundry Company, New York County, N. Y. Laminated bowling pin. 2,654,606, Oct. 6.

Stearns Manufacturing Company, assignee: *See*—
Davis, Robert O., and Osborne.
Schutt, Walter G.

Stearns, Reid F., Elizabeth, N. J., assignor to Standard Oil Development Company. Method and apparatus for continuous flow mixing. 2,645,463, July 14.

Stearns, Roswell H., assignor of one-half to R. N. Stearns, Milwaukee, Wis. Magnetic separator. 2,634,861, Apr 14.

Stearns, Roswell H., Wauwatosa, and H. W. Buus, Milwaukee, assignors of one-half to said R. H. Stearns and one-half to R. N. Stearns, Fox Point, Wis. Magnetic separator. 2,627,976, Feb. 10.

Stearns, Roswell N., assignee: *See*—
Stearns, Roswell H.
Stearns, Roswell H., and Buus.

Stearns, Wesley O., Scotch Plains, N. J., assignor to Wilson-Jones Company, Chicago, Ill. Feed plate for stapling machines. 2,627,071, Feb. 3.

Stearns, William D.: *See*—
Harrison, Marshall L., and Stearns.

Steatite Research Corporation, assignee: *See*—
Albers-Schoenberg, Ernst.

Stebbins, Chester F.: *See*—
Persoon, Andrew H., and Stebbins.

Stebbins, Leo A., and S. P. Khatunzeff, Denver, Colo., said Khatunzeff assignor to said Stebbins. Letdown cabinet. 2,635,030, Apr. 14.

Stecca, Anthony J.: *See*—
Gridley, Darrin H., and Stecca.

Steck, Arch L., Oil City, assignor, by mesne assignments, of one-half to Knox Glass Bottle Company, Knox, Pa. Bottle conveying and transfer mechanism. 2,649,183, Aug. 18.

Steck, Edgar A., Albany, assignor to Sterling Drug Inc., New York, N. Y. 6-haloaryl-3-pyridazones. 2,624,730, Jan. 6.

Steck, George L., assignee: *See*—
Sharp, Vola.

Stecker, William F.: *See*—
Eddy, Robert F., Stecker, and Carney.

Steckling, Charles W., assignor to Jos. Schlitz Brewing Company, Milwaukee, Wis. Carton taping apparatus and method. 2,643,016, June 23.

Steczynski, Myron E., Chicago, Ill. Adjustable snap gauge for threaded and other test pieces. 2,631,377, Mar. 17.

Steczynski, Myron E., W. W. Biederstadt, and E. V. Rupp, assignors to The Bastian-Blessing Company, Chicago, Ill. Sirup pump. 2,657,833, Nov. 8.

Stedman, Cecil K., Watertown, and F. H. Smith, East Natick, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Microphone. 2,626,380, Jan. 20.

Stedman, James A., Cranston, R. I., assignor to Central Tool Company. Outside micrometer. 2,625,745, Jan. 20.

Stedman, James A., Cranston, R. I., assignor to Curtis Company, Easy reading micrometer caliper. 2,644,240, July 7.

Stedman, James A., Cranston, R. I., assignor to Central Tool Company. Depth gauge. 2,662,296, Dec. 15.

Steece, George A., San Francisco, Calif. Rotary grave-digging excavator. 2,624,129, Jan. 6.

Steede, Otho G., assignor to The Lewis Engineering & Manufacturing Company, Alliance, Ohio. Latch for grass shears. 2,638,669, May 19.

Steel and Alloy Tank Company, assignee: *See*—
Mastriani, Elvin A., and Kulczycki.
Zabriskie, Arthur E., and Stuart.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, Frank H.
Kaufmann, John J.

Steel, Inc., assignee: *See*—
Storer, Stacy S., Jr.

Steel Products Engineering Company, The, assignee: *See*—
Brehm, Charles M.
Getz, Delmond L.
Getz, Delmond L., and Hedges.
Rausenberger, Larence E., and Getz.

Steele, Arthur E., McKeesport, Pa., assignor to Air Products, Incorporated. Volatile liquid pumping. 2,632,302, Mar. 24.

Steele, Bernard R., and W. E. Nolan, Houston, Tex. Device for indicating conditions in well bores. 2,646,680, July 28.

Steele, Everette, assignee: *See*—
Lange, Bernard A.

Steele, Harmon, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Apparatus for fiber collection. 2,641,028, June 9.

Steele, Harry C., Ashland, Ky. Contrarotating gas turbine having a power turbine and a plurality of compressor-turbines in series. 2,639,583, May 26.

Steele, James W., North Kansas City, Mo. Collar protector for soft shirts. 2,630,949, Mar. 10.

Steele, James W., North Kansas City, Mo. Garment folding apparatus. 2,652,178, Sept. 15.

Steele, Osborne C., assignee: *See*—
Mansoff, Arthur P.

Steele, Richard E.: *See*—
Bryer, John F., and Steele.

Steele, Richard E., and J. Jordan, New Castle, Pa., assignors to Ram, Incorporated, Detroit, Mich. Multiple gutter mold. 2,627,641, Feb. 10.

Steele, Richard E., Columbus, and J. F. Bryer, Wellsville, Ohio, assignors to Ram, Inc., Detroit, Mich. Method and apparatus for the release of ceramic ware from porous molds. 2,632,227, Mar. 24.

Steele, Vernon P., Fairfield, Conn, assignor to Kenco Products Corporation, New York, N. Y. Waste and overflow fitting. 2,635,254, Apr. 21.

Steele, W. M., Company, Incorporated, assignee: *See*—
Munson, Richard G., and La Pointe.

Steele, William C., Seattle, Wash. Decarbonizing a burner pot. 2,655,455, Oct. 13.

Steele, William E., Seattle, Wash. Scalpel. 2,655,723, Oct. 20.

Steele, William R., Camillus, and J. V. McMahon, Syracuse, assignors to Allied Chemical and Dye Corporation, New York, N. Y. Disposal of caustic waste liquor from textile industry. 2,632,732, Mar. 24.

Steely, Charles M., Hamburg, Pa. Vacuum brake for motor trucks. 2,625,909, Jan. 20.

Steen, Harford K., and H. L. Thompson, New... signors to Interstate Bag Company, Inc., Wa... Paper bag handle. 2,652,187, Sept. 15.

Steen, James, and E. P. Coskey, Detroit, M... sealing toy balloon. 2,625,770, Jan. 20.

Steenberg, Axel C., Copenhagen, Denmark. ... chocolate molds. 2,640,003, May 26.

Steene, Annabelle: *See*—
Steene, Oscar H. and A.

Steene, Oscar H. and A., Twin Falls, Idaho. ... connected reading and recitation table. Dec. 8.

Steenfeld, Joseph: *See*—
Werker, William A., and Steenfeld.

Steer, Leonard H., Allison, Iowa. Tractor lif... ratus. 2,659,572, Nov. 17.

Steere, Frank W., Waterford Township, Oakla... Mich. Treating foliage corps and the like. May 5.

Steere, Samuel A.: *See*—
Solliday, Raymond E., and Steere.

Stees, Isaac, Harrisburg, Pa. Portable mold. Sept. 8.

Steeves, Asa B., Metuchen, N. J., assignor to St... Development Company. Apparatus for clos... ture control of catalyzed gas reactions. 2,63... 12.

Steffan, Joseph J., deceased, St. Louis, Mo., J. ... and D. H. Williams, executors. Doorframe. Dec. 1.

Steffan, Julius A., executor: *See*—
Steffan, Joseph.

Steffen, Charles L.: *See*—
Blanchett, Luther E., and Steffen.

Steffen, Joseph A., Chicago, Ill. Injector ... 2,655,357, Oct. 13.

Stegall, James R., Ferriday, La. Power line f... cator. 2,637,020, Apr. 28.

Stegeman, Henry J., Fairfield, assignor to The ... Chain Company, Bridgeport, Conn. Gauge ro... mowers. 2,637,157, May 5.

Stegeman, Raymond F. E., Greece, assignor to ... Lomb Optical Company, Rochester, N. Y. ... case. 2,656,912, Oct. 27.

Stegeman, Raymond F. E., Greece, assignor to ... Lomb Optical Company, Rochester, N. Y. ... with vertically adjustable lenses. 2,660,924.

Stegemann, Walter, assignor to Phoenix-G... A. G., Hamburg-Harburg, Germany. Method ... for applying rubber coatings to fabric bands. Feb. 24.

Steger Products Manufacturing Corporation, ... *See*—
Larsen, Harvey E.

Stegman, Norman A., assignor to Bendix-We... Automotive Air Brake Company, Elyria, Oh... pressure braking saytem. 2,645,307, July 14

Stehlik, Rudolph F., Antwerp, Belgium, assigno... matic Electric Laboratories, Inc., Chicago, ... phone selector switch utilizing odd-ev... 2,635,147, Apr. 14.

Stehlin, Theodore A., Pasadena, Calif. Valve. June 16.

Stehling, Chas. H., Company, assignee: *See*—
Stehling, Ralph J.

Stehling, Ralph J., Mequon, assignor to Chas. ... Company, Milwaukee, Wis. Machine for remo... from solutions. 2,650,710, Sept. 1.

Stehman, Carlyle J., Dayton, Ohio, assignor to ... Chemical Company, St. Louis, Mo. Reactivat... bearing catalytic solutions. 2,632,737, Mar

Stehman, Carlyle J., Dayton, Ohio, assignor to ... Chemical Company, St. Louis, Mo. Remo... from cuprous chloride catalyst solutions. Aug. 18.

Stehr, Emma, administratrix: *See*—
Stehr, Kord H.

Stehr, Georg, Kappeln-Schlei, Germany. Sewi... housing. 2,658,465, Nov. 10.

Stehr, Kord H., deceased, by E. Stehr, adm... Brooklyn, N. Y. Track-carried hatch cover. Jan. 27.

Steibel, James P., assignor to The Dumore ... Racine, Wis. Self-contained power unit. June 30.

Steichen, Ferdinand, Anderlecht (Brussels), an... Isieux, Tournai, Belgium. Apparatus for the ... of calcium superphosphate. 2,650,078, Aug.

Steiert, Alois F.: *See*—
Dinlocker, Charles A., and Steiert.

Steiger, Hermann, Geneva, Switzerland. Mech... tion regulator for clockworks, watch move... the like. 2,654,214, Oct. 6.

Steiger, Norbert, assignor to Hoffmann-La R... Nutley, N. J. Benzamide derivatives. 2,648... 11.

Steiger, Norbert, assignor to Hoffmann-La R... Nutley, N. J. Benzothiazole derivatives and ... 2,652,401, Sept. 15.

Steiger, Norbert, assignor to Hoffmann-La R... Nutley, N. J. Bibenzothiazoles and producing 2,655,505, Oct. 13.

Steiger, Norbert, Nutley, and O. Keller, Clifton, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Benzothiazole derivatives and manufacture. 2,653,154, Sept. 22.

Steigerwalt, Oliver I., and H. I. Oshry, assignors to Erie Resistor Corporation, Erie, Pa. Multiple element circuit components. 2,648,804, Aug. 11.

Steigler, Albert L., Meriden, Conn. Walking aid. 2,626,652, Jan. 27.

Stein, Alfred, New York, N Y. Automatic toilet flush device. 2,628,363, Feb. 17.

Stein, Alfred, Forest Hills, N. Y. Rainbow color device for fog penetrating lights. 2,636,110, Apr. 21.

Stein, Edward M., and H. H. Stein, Barstow, Calif. Method and means for dispensing beverages. 2,630,259, Mar. 3.

Stein, Elmer L., Milwaukee, Wis. Sheet trimmer. 2,624,408, Jan. 6.

Stein, Frank R., assignee: *See*—
Stein, Harry C.

Stein, Gerhard M., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Measurement of electrical winding temperatures. 2,625,821, Jan. 20.

Stein, Gerhard M., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective device for transformers. 2,650,356, Aug. 25.

Stein, Gustav, New York, N. Y. Automatic lighting attachment for electric alarm clocks. 2,636,336, Apr. 28.

Stein, Hall & Company, Inc., assignee: *See*—
Frisch, Nat, and Sweeney.
La Piana, Fred G.
La Piana, Fred G., and Houth.
Moore, Edward E.
Rapp, Julius.

Stein, Harry C., Yonkers, N. Y., assignor of one-fifth to L. J. Stein, Houston, Tex., one-fifth to S. M. Stein, New Orleans, La., one-fifth to M. Stein, Jackson Heights, and one-fifth to F. R. Stein, Yonkers, N. Y. Multiple acting heel for shoes. 2,629,189, Feb. 24.

Stein, Harry C., Yonkers, N. Y., assignor of one-fifth to L. J. Stein, Houston, Tex, one-fifth to S. M. Stein, New Orleans, La., one-fifth to M. Stein, Jackson Heights, and one-fifth to F. R. Stein, Yonkers, N. Y. Biaxial shoe. 2,648,144, Aug. 11.

Stein, Heinrich, Chicago, Ill. Annular core automobile heater with fan and support therefor. 2,639,124, May 19.

Stein, Herbert A., Tempe, Ariz. Furnace for producing physical and chemical changes in granular materials. 2,633,346, Mar. 31.

Stein, Herbert N.: *See*—
Gottsegen, Marten, and Stein.

Stein, Herman H.: *See*—
Stein, Edward M. and H. H.

Stein, Herman W., Canton, and J. D. Risher, assignors to The Hoover Company, North Canton, Ohio. Forming commutators. 2,637,098, May 5.

Stein, Irving M., assignor to Leeds and Northrup Company, Philadelphia, Pa. Multirange recorder indicator. 2,637,619, May 5.

Stein, Jack S.: *See*—
Lubin, Earl O., and Stein.

Stein, Jacob L., assignor to Publicker Industries Inc., Philadelphia, Pa. Production of acetic acid. 2,650,244, Aug. 25.

Stein, Jacob R., Beverley Hills, Calif. Preparing coffee. 2,626,558, Jan. 27.

Stein, John G., Chattanooga, Tenn. Tripod mounting. 2,649,268, Aug. 18.

Stein, Joseph P., Los Angeles, Calif. Latch for concealed wall safes. 2,633,010, Mar. 31.

Stein, Leonard J., assignee: *See*—
Stein, Harry C.

Stein, Martin: *See*—
Siegel, Philip G., and Stein.

Stein, Melvin, assignee: *See*—
Stein, Harry C.

Stein, Richard R., assignor to Cleveland Fuel Equipment Company, Cleveland, Ohio. Pressure switch. 2,658,122, Nov. 3.

Stein, Robert A., assignor to The Globe Industries, Inc., Dayton, Ohio. End bell or end bracket for motors. 2,663,810, Dec. 22.

Stein, Samuel F., Milton, Pa. Waistband lining structure for trousers. 2,633,577, Apr. 7.

Stein, Samuel F., Milton, Pa. Garment cuff. 2,641,765, June 16.

Stein, Samuel F., Milton, Pa. Garment waistband and making same. 2,650,367, Sept. 1.

Stein, Stanley M., assignee: *See*—
Stein, Harry C.

Stein, Wilhelm, Wetzlar-on-the-Lahn, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Combined exposure meter and camera. 2,630,049, Mar. 3.

Stein, William, Ozone Park, N. Y. Means for regulating the position of cold cathode lighting supports. 2,624,833, Jan. 6.

Steinbaugh, Clara E., executrix, assignee: *See*—
Steinbaugh, John F.

Steinbaugh, John F., deceased, by C. E. Steinbaugh, executrix, Newark, Ohio. Fishing reel. 2,658,697, Nov. 10.

Steinberg, Adalberto, and A. Cavadini, Milan, Italy. Making footwear hooks. 2,654,333, Oct. 6.

Steinberg, Eliot, North Arlington, N. J., assignor to Warner-Hudnut, Inc., New York, N. Y. 1,2,3,10b-tetrahydrofluoranthene-10b-carboxylic acid. 2,652,417, Sept. 15.

Steinberg, Fritz: *See*—
Bécker, Gottfried, and Steinberg.

Steinberg, John C., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speech analyzing and synthesizing communication system. 2,635,146, Apr. 14.

Steinberg, Richard K., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Secondary emission trigger circuit. 2,631,233, Mar. 10.

Steinbrecker, Freddy: *See*—
Eserkaln, Theodore F., and Steinbrecker.

Steinbrecker, Freddy, assignor to George Gorton Machine Co., Racine, Wis. Means for mounting machine tool attachments. 2,650,521, Sept. 1.

Steine, George J., Glencoe, Ill., assignor to Metal Engineering Company. Holder for set screw wrenches and the like. Re. 23,659, May 19.

Steineck, Rudolf, Tutzing/Obb, Germany. Construction for cameras. 2,625,087, Jan. 13.

Steinemann, Willy: *See*—
Kappeler, Markus, Steinemann, and Wehrli.

Steinemann, Willy, assignor to Sandoz A. G., Basel, Switzerland. Monoazo dyestuffs. 2,634,263, Apr. 7.

Steiner, Abram A.: *See*—
Wubben, Gerrit J. H. E., and Steiner.

Steiner, Alois, Hoboken, N. J. Band saw attachment for machine tools. 2,627,288, Feb. 3.

Steiner, Arnold B., La Jolla, assignor to Kelco Company, San Diego, Calif. Stabilizing foam forming on malt beverages and beverages stabilized therewith. 2,659,675, Nov. 17.

Steiner, Arnold B., La Jolla, and L. B. Rothe, assignors to Kelco Company, San Diego, Calif. Alginate pastes. 2,635,067, Apr. 14.

Steiner, Harold J.: *See*—
Meyer, Edward N., and Steiner.

Steiner, Louis, Belle Harbor, N. Y. Coin selector. 2,632,547, Mar. 24.

Steiner, Oscar, assignor to Graflex, Inc., Rochester, N. Y. Front support members and bellows mounting means for photographic cameras. 2,662,456, Dec. 15.

Steingruber, George, deceased, Atlanta, Ga.; M. B. Steingruber, executrix of said G. Steingruber. Window sash balance. 2,630,596, Mar. 10.

Steingruber, George, deceased, Atlanta, Ga.; M. B. Steingruber, executrix. Window sash holder. 2,647,005, July 28.

Steingruber, George, deceased, Atlanta, Ga.; M. B. Steingruber, executrix. Wall-mountable electric heater and housing assembly therefor. 2,655,587, Oct. 13.

Steingruber, Minnie B., executrix: *See*—
Steingruber, George.

Steinhardt, David W., assignor to The National Cash Register Company, Dayton, Ohio. Colorless printing fluid. 2,654,673, Oct. 6.

Steinhardt, I Hartley, New York, N. Y. Puzzle and carrier device. 2,651,522, Sept. 8.

Steinhardt, Irving H., New York, N. Y. Three-dimensional take-apart puzzle. 2,625,399, Jan. 13.

Steinhoff, Harvey E., assignor to Wagner Malleable Iron Company, Decatur, Ill. Conveyer system. 2,634,851, Apr. 14.

Steinke, Max H., New Brunswick, N. J. Cutter holder. 2,624,116, Jan. 6.

Steinle, William A., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Making pneumatic tires. 2,649,134, Aug. 18.

Steinmayer, Alwin G., Milwaukee, Wis., assignor to McGraw Electric Company. Ground anchor. 2,633,212, Mar. 31.

Steinmayer, Alwin G., Milwaukee, Wis., assignor to McGraw Electric Company. Bracket construction. 2,650,263, Aug. 25.

Steinmetz, Alfred A.: *See*—
Wells, Philip H., Steinmetz, and Cannon.

Steinmetz, Walter C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Self-cleaning grooved rubber covered pulley. 2,628,709, Feb. 17.

Steinmetz, Walter C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Jig. 2,653,715, Sept. 29.

Steins, Carleton K., Overbrook, and W. M. Keller, Merion, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Detector valve for hot bearing indicating systems. 2,655,166, Oct. 13.

Steins, Carleton K., Overbrook, and W. M. Keller, Merion, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Freight car for double-deck loading of automobiles. 2,659,318, Nov. 17.

Steinschlaeger, Michael, London, England. Synthetic manufacture of hydrocarbon oils. 2,630,447, Mar. 3.

Steinschlaeger, Michael, London, England. Low-temperature carbonization of carbonaceous material. 2,642,387, June 16.

Steinschlaeger, Michael, London, England. Carbonization of peat with the utilization of excess heat to produce surplus power. 2,650,190, Aug. 25.

Steinthal, Augustus J., New York, N. Y. Parachute. 2,651,481, Sept. 8.

Steitz, Alfred, Jr., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Removal of oxidizable contaminants from alcohols. 2,635,074, Apr. 14.

Steitz, Alfred, Jr., H. Grekel, and T. Q. Eliot, Tulsa, Okla., and J. C. Weaver, Jr., Brownsville, Tex., assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Distillation of amyl alcohols from ketone-containing mixtures. 2,642,388, June 16.

Stekoll, R. O., assignee: *See*—
Givens, Perry J.

Stel, Marinus: *See*—
Bloem, Herman, and Stel.

Stellin, Domnic V., Chicago, Ill. Making a vaned member. 2,638,019, May 12.

Stellin, Domnic V., Chicago, Ill. Floating tool mounting means. 2,643,142, June 23.

Stelling, John H., Quincy, Mass., assignor to Bethlehem Steel Company. Steam reheater. 2,643,862, June 30.

Stelling, Per O., and G. L. Flemmert, Stockholm, assignors to Mo Och Domsjo Aktiebolag, Ornskoldsvik, Sweden. Conducting the Grignard reaction to produce organosilicon compounds. 2,654,771, Oct. 6.

Stelmach, Raymond C., Harvey, Ill. Ventilator and sun shield. 2,628,549, Feb. 17.

Stelmak, John P., Forest Hills, N. Y., assignor to Radio Corporation of America. Vacuum-enclosed semiconductor device. 2,664,528, Dec. 29.

Stelter, Francis C. W., New York, N. Y. Burglar alarm system. 2,643,372, June 23.

Stelzer, William, Summit, N. J. Master cylinder for hydraulic braking systems. 2,649,692, Aug. 25.

Stelzer, William, Summit, N. J. Hydraulic booster brake system. 2,658,347, Nov. 10.

Stelzer, William, Summit, N. J. Booster brake mechanism. 2,658,348, Nov. 10.

Stem, Donald E., San Francisco, Calif. Magnetic plate. 2,635,754, Apr. 21.

Stem, Donald E., San Francisco, Calif. Method and apparatus for automatically separating underweight cans from normal weight cans. 2,654,478, Oct. 6.

Stem, Donald E., San Francisco, Calif. Magnetic floor sweeper. 2,654,480, Oct. 6.

Stem, Donald E., San Francisco, Calif. Magnetic plate structure. 2,657,342, Oct. 27.

Stemm, Irwin G., and D. H. Zwight, Leavenworth, Wash. Reel sled for cable. 2,635,827, Apr. 21.

Stemme, Erik: *See*—
Rajchman, Jan A., and Stemme.

Stempel, Arthur: *See*—
Aeschlimann, John A., and Stempel.

Stempel, Arthur, River Edge, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Stabilized compositions of hydroxyphenylammonium halides. 2,647,928, Aug. 4.

Stencil, Felix, Portland, Oreg., assignor to Lloyd A. Fry Roofing Company, Chicago, Ill. Banding of roofing material. 2,627,153, Feb. 3.

Stengel, Erwin, and G. Klotz, Karlsruhe, Germany. Lining for earth constructions. 2,659,210, Nov. 17.

Stengel, Leonard A., and J. W. Brodhacker, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Preventing the physical disintegration of ammonium nitrate by temperature fluctuations. 2,657,977, Nov. 3.

Stengel, Peter D.: *See*—
Squire, Frederick J., and Stengel.

Stenger, Richard C., assignor to Sutherland Paper Company, Kalamazoo, Mich. Carton for baked goods and other easily broken products. 2,645,337, July 14.

Stenger, Richard C., assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for placing dishes in cartons or containers. 2,653,743, Sept. 29.

Stenger, Richard C., assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for conveying and closing cartons. 2,654,981, Oct. 13.

Stenglein, Oswald, Mammendorf, Upper Bavaria, Germany, assignor to Maschinenbau- & Giesserei A. G., Basel, Switzerland. Thread guiding device. 2,659,539, Nov. 17.

Stenhouse, David A., Cook County, Ill. Wheel chock. 2,630,192, Mar. 3.

Stenkvist, Emil, and E. Gudmundsson, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in protecting relays for liquid-filled electrical apparatus. 2,638,120, May 12.

Stephan, Hallis N., Cleveland Heights, Ohio, assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Horizontal boring machine. 2,632,365, Mar. 24.

Stephan, Hallis N., Cleveland Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Manufacturing horizontal boring, drilling, and milling machines. 2,636,327, Apr. 28.

Stephan, Hallis, N., Cleveland Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Horizontal boring, drilling, and milling machine. 2,648,999, Aug. 18.

Stephani, Leo: *See*—
Tonagel, Hugh A., and Stephani.

Stephans, J Larry, St. Albans, N. Y., assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J. Adjustable support stand. 2,642,246, June 16.

Stephany, Albert R., Newport, Ky. Silent valve. 2,664,261, Dec. 29.

Stephen, James, assignor to Highway Trailer Company, Edgerton, Wis. Adjustable spring suspension. 2,626,144, Jan. 20.

Stephens, Charles A., Chicago, Ill. Foldable, adjustable, and mailable advertising display. 2,631,046, Mar. 10.

Stephens, Clifford A.: *See*—
Johnson, Lloyd A., Mosher, and Stephens.

Stephens, Foster M., Monterey Park, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas stream pulsation dampener. 2,631,614, Mar. 17.

Stephens, Foster M., Monterey Park, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Mechanical draft water cooling tower. 2,636,371, Apr. 28.

Stephens, Foster M., Monterey Park, and J. R. Fluor, Whittier, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas separator. 2,632,523, Mar. 24.

Stephens, George H.: *See*—
Hammond, Laurens, and Stephens.

Stephens, Henry M., assignor to Marathon Coal Bit Company, Inc., Montgomery, W. Va. Cutter bit and holder therefor. 2,647,737, Aug. 4.

Stephens, Joseph F., Kansas City, Mo., assignor to Minnesota Mining & Manufacturing Company. Process and apparatus for producing glass fibrous tubes. 2,656,873, Oct. 27.

Stephens, Milford T., Denver, Colo. Spark plug cover. 2,625,146, Jan. 13.

Stephens, Nettie M., Lima, Mont. Beautician's utility tray. 2,649,144, Aug. 18.

Stephens, Robert A., Palmer Township, Northampton County, Pa., assignor, by mesne assignments, to C. K. Williams & Co., East St. Louis, Ill. Producing ferric oxide compositions of polishing rouge grade and the product thereof. 2,653,080, Sept. 22.

Stephens, Robert A., Palmer Township, Northampton County, Pa., assignor, by mesne assignments, to C. K. Williams & Co., East St. Louis, Ill. Producing ferric oxide compositions of polishing grade. 2,653,081, Sept. 22.

Stephens, Robert H.: *See*—
Hawes, Russell J., Miller, and Stephens.

Stephens, William T., Cleveland, Ohio, assignor, by mesne assignments, to The New York Air Brake Company, New York, N. Y. Relief valve. 2,630,825, Mar. 10.

Stephenson, Alpha W., assignor to The E. O. Bulman Manufacturing Company, Inc., Grand Rapids, Mich. Humidor cigar case. 2,639,958, May 26.

Stephenson Corporation, assignee: *See*—
Goodner, Monroe H.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Hysteretic overrunning clutch. 2,624,435, Jan. 6.

Stephenson, Hugh M., and K. M. Feiertag, Fort Wayne, Ind., assignors to General Electric Company. Torque measuring device. 2,642,740, June 23.

Stephenson, James R., Winnipeg, Manitoba, Canada. Automatic means for the movement of comminuted materials. 2,648,461, Aug. 11.

Stephenson, John O., and J. H. Hillis, Detroit, Mich.; said Hillis assignor to said Stephenson. Hydraulic lift mechanism. 2,629,582, Feb. 24.

Stephenson, Noah L., assignor of forty-five percent to J. B. Hughey, Logan, W. Va. Safety control system for mines. 2,645,330, July 14.

Stephenson, William E., and N. B. Mithun, Missoula, Mont. Hat hanger. 2,630,921, Mar. 10.

Stephenson, William H., assignee: *See*—
Bieler, Walter T.

Stephenson, William V., Toledo, Ohio. Apparatus for the diagnosis and the control of treatment of diseases of the eye. 2,640,357, June 2.

Stephenson, Verne L., Goshen, Ind. Robe with fasteners. 2,656,540, Oct. 27.

Stepler, Charles W., Chambersburg, Pa. Adjustable platform for traffic direction. 2,649,341, Aug. 18.

Steps, Robert A.: *See*—
Hartman, William W., and Steps.

Steralic Filters Ltd., assignee: *See*—
Simpson, Arthur J., and Zwicky.

Sterba, Edward C., Western Springs, Ill. Clothes locker. 2,643,171, June 23.

Sterick, Harrison D., Pittsburgh, Pa. Sterilizing water heater. 2,633,108, Mar. 31.

Stericker, William, Drexel Hill, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of silicate-coated papers. 2,647,069, July 28.

Sterland, Ernest G., Rugby, assignor to The English Electric Company Limited, London, England. Power plant having a common manual control for the fuel valves of the compressor and power turbines. 2,651,911, Sept. 15.

Sterling Drug Inc., assignee: *See*—
Archer, Sydney.
Archer, Sydney, and Bair.
Archer, Sydney, and Ruddy.
Bennett, Eldred C., and Powell.
Clinton, Raymond O.
Clinton, Raymond O., and Laskowski.
Feldkamp, Rolland F.
Lawson, Elmer J., and Addelston.
Rausch, Albert R.

Sterling Drug Inc., assignee: *See*—Continued.
Schroeder, Arthur J.
Steck, Edgar A.
Surrey, Alexander R.
Surrey, Alexander R., and Bair.
Tullar, Benjamin F., and Feldkamp.
Sterling Electric Motors, Inc., assignee: *See*—
Johnson, Carl E., and Mendenhall.
Sterling, Florence J., assignor to Sterling-Freeland Industries, Inc., Chicago, Ill. Portable drafting board with carrying case. 2,632,683, Mar. 24.
Sterling-Freeland Industries, Inc., assignee: *See*—
Sterling, Florence J.
Sterling, George B.: *See*—
Dreisbach, Robert R., and Sterling.
Sterling, John L., Bellerose, assignor to Remington Rand Inc., New York, N. Y. Wire recording storage mechanism for bookkeeping machines. 2,652,196, Sept. 15.
Sterling Plastics Company, assignee: *See*—
Fleming, Jack F.
Sterling, Robert F., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cellular expanded thermoset resins. 2,629,698, Feb. 24.
Sterling, Robert F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. In-place expanded cellular resinous bodies and producing them from phenol-aldehyde resins with the aid of a peroxide. 2,653,139, Sept. 22.
Sterling Wheelbarrow Company, assignee: *See*—
Mueller, Wesley J., and Smith.
Stern, A. Richard, assignee: *See*—
Herzig, Leonard A., and Coan.
Stern, George: *See*—
Sindeband, Seymour J., Stern, and Scanlan.
Stern, George, Mamaroneck, S. J. Sindeband, Chappaqua, and J. P. Scanlan, assignors to American Electro Metal Corporation, Yonkers, N. Y. Chromium-alloyed corrosion-resistant metal powders and related products. 2,656,595, Oct. 27.
Stern, George, Mamaroneck, S. J. Sindeband, Chappaqua, and J. P. Scanlan, assignors to American Electro Metal Corporation, Yonkers, N. Y. Silicon-alloyed corrosion-resistant metal powders and related products and processes. 2,657,128, Oct. 27.
Stern, George, Mamaroneck, S. J. Sindeband, Chappaqua, and J. P. Scanlan, assignors to American Electro Metal Corporation, Yonkers, N. Y. Aluminum-alloyed corrosion-resistant metal powders and related products and processes. 2,657,129, Oct. 27.
Stern, Herbert J., New Rochelle, assignor to I. Stern & Co., Inc., New York, N. Y. Display package kit. 2,639,805, May 26.
Stern, I., & Co., Inc., assignee: *See*—
Stern, Herbert J.
Stern, Izydor, Antwerp, Belgium. Locking means for doors, in particular for automotive vehicles. 2,661,621, Dec. 8.
Stern, Joseph E., assignee: *See*—
Graveno, John C.
Stern, Joshua, Mount Rainier, Md. Racking mechanism for microphotometers. 2,656,757, Oct. 27.
Stern, Kurt G., New York, N. Y. Electrophoretic liquid analysis apparatus having a diaphragm and cylindrical lens in the optic path. Re. 23,653, May 5.
Stern, Lewis, J.: *See*—
Reck, Peter C., and Stern.
Stern, Lewis J., assignor to Sperti Faraday, Inc., Adrian, Mich. Master clock system. 2,652,683, Sept. 22.
Stern, Martin N.: *See*—
Meister, Juan B., and Stern.
Stern, Maurice, Paris, France, assignor to Mecres, S. A., Panama, Panama. Apparatus for the automatic serving of meals. 2,656,032, Oct. 20.
Stern, Max, Venice, and R. A. Alexander, Rosemead, assignors to Tel-All Corporation, Los Angeles, Calif. Cash register indicating system. 2,629,863, Feb. 24.
Stern, Murray M., Garden City, assignor to Famous Bathrobe Co., Inc., New York, N. Y. Infant's sleeping garment. 2,663,873, Dec. 29.
Stern, Walter, assignor to The Cromwell Paper Company, Chicago, Ill. Garment bag. 2,639,028, May 19.
Stern, William, Philadelphia, Pa. Foot and shoe protector. 2,644,249, July 7.
Sternad, Frank S., Cuyahoga Falls, and J. P. Sapp, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 2,655,321, Oct. 13.
Sternbach, Leo H., Upper Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Esters of 1-azabicycloalkanols. 2,648,667, Aug. 11.
Sternbeck, Olaf, Eriksvik, Saltsjobo, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Connecting device for electron tubes. 2,659,814, Nov. 17.
Sternberg, Israel K., deceased, Lyon, Mass.; R. Sternberg and H. Rubin, executors. Identification tag for cleansing or storage establishments. 2,645,867, July 21.
Sternberg, Rose, executrix: *See*—
Sternberg, Israel K.
Sternbergh, Solon A., Wyomissing Hills, and C. S. Knabb, Stony Creek Mills, assignors, by mesne assignments, to West Shore Manufacturing Co., Reading, Pa. Toolholder. 2,649,647, Aug. 25.
Sterner, Russell L., Bell, Calif. Fluid shear type coupling. 2,629,472, Feb. 24.
Sternfeld, Bernard, Brooklyn, N. Y. Typewriter line control attachment. 2,626,036, Jan. 20.
Sternkopf, Albert E., Wauwatosa, Wis. Vertically adjustable table. 2,636,794, Apr. 28.
Sterrett, Charles C.: *See*—
Woods, Charles A., Jr., and Sterrett.
Sterrett, Vance C., Logansport, Ind. Cylinder construction. 2,645,513, July 14.
Stettler, Rudolf, St. Gallen, Switzerland. Registering chamber magazine handle. 2,629,413, Feb. 24.
Stettler, Walther, Reinach, Switzerland, and C. Hummel, Hesingue, France. Meat-skinning machine. 2,645,263, July 14.
Stettner, Anton, Corpus Christi, Tex. Fish lure. 2,644,265, July 7.
Stettner, Simon: *See*—
Ehrenreich, Stella, and Stettner.
Steuart, James N., Stirling, Scotland, assignor to Kork-N-Seal Limited, London, England. Closure for bottles and like containers. 2,641,375, June 9.
Steuber, Albert H., assignor to Eastman Kodak Company, Rochester, N. Y. Rewind core holder. 2,659,542, Nov. 17.
Steuber, Charles, Kirkwood, Mo. Hand puppet. 2,633,670, Apr. 7.
Steuby, John S., St. Louis, Mo. Self-centering caster mounting for aircraft landing wheels. 2,626,116, Jan. 20.
Stevens, Carl L., assignor of fifty per cent to J. F. McCarthy, Grand Island, Nebr. Display rack. 2,652,154, Sept. 15.
Stevens, Charles H., Springfield, and K. W. Maier, Feeding Hills, Mass., assignors to the United States of America as represented by the Secretary of the Army. Cartridge retracting device. 2,656,635, Oct. 27.
Stevens, Clarence C., Forestville, Conn., assignor, by mesne assignments, to Western Electric Company, Incorporated. Coil winding machine. 2,656,124, Oct. 20.
Stevens, Clark F., and J. F. Rathburn, San Antonio, Tex. Fishhook and line holder. 2,633,661, Apr. 7.
Stevens, Clifford B., Fox Point, Wis., assignor to Arnot Sleeper Corporation, Baltimore, Md. Sleeping car section. 2,654,895, Oct. 13.
Stevens, Clifford E., Glen Ridge, assignor to Stevens Products, Inc., East Orange, N. J. Apparatus for the automatic forming of cast fibrous pulp cone blanks for cone speaker diaphragms. 2,645,165, July 14.
Stevens, Collin F., Millenbeck, Va. Packing stand. 2,628,760, Feb. 17.
Stevens, Cyrus, Findlay, Ill. Washed air induction device for water pumping systems. 2,626,138, Jan. 20.
Stevens, Donald R., Wilkinsburg, and R. S. Bowman, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparation of tertiary alkyl aryl ethers. 2,655,546, Oct. 13.
Stevens, Donald R., Wilkinsburg, and S. C. Camp, Richland Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Stabilization of phenol alkylates. 2,656,311, Oct. 20.
Stevens, Donald R., Wilkinsburg, and S. C. Camp, Richland Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Stabilization of phenol alkylates. 2,656,312, Oct. 20.
Stevens, Donald R., Wilkinsburg, and S. C. Camp, Gibsonia, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Sulfurization of di-isobutylene. 2,658,900, Nov. 10.
Stevens, Edwin G.: *See*—
Glover, William C., Jr., and Stevens.
Stevens, Elbert M., San Antonio, Tex. Fence post extended wire supporting bracket. 2,629,574, Feb. 24.
Stevens, Fred H., Houston, Tex. Card shuffler. 2,661,215, Dec. 1.
Stevens, George, Chicago, Ill. Coil-winding apparatus. 2,650,768, Sept. 1.
Stevens, George J., Baltimore, Md., assignor to Armco Steel Corporation. Wire finishing method and apparatus. 2,638,818, May 19.
Stevens, George R., Albuquerque, N. Mex. Differential gearing. 2,651,946, Sept. 15.
Stevens, Guy L., Detroit, assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring groove spacer. 2,630,358, Mar. 3.
Stevens, Henry W.: *See*—
Arny, Louis W., and Stevens.
Stevens, Horace D., Sarasota, Fla., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Winding apparatus. 2,663,511, Dec. 22.
Stevens, J. P., & Co., Inc., assignee: *See*—
Bradshaw, John A.
Runton, Leslie A., and Derby.
Waldrop, Morris M.
Winslow, Albert E.
Stevens, Jesse V.: *See*—
Dons, Eddie M., and Stevens.
Stevens, John C., assignor to Leupold & Stevens Instruments, Inc., Portland, Oreg. Radio reporting precipitation gauge. 2,642,564, June 16.
Stevens Products Inc., assignee: *See*—
Stevens, Clifford E.
Stevens, Richard F.: *See*—
Stringfield, Theodore W., Stevens, Spaulding, and Behrens.

Stevens, Robert B., assignee: *See*—
Robertson, Robert H.
Stevens, Robert H., Detroit, Mich. Spring unit assembling machine. 2,630,145, Mar. 3.
Stevens, Robert M., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Ice removal device. 2,631,731, Mar. 17.
Stevens, Rollin E., Vienna, Va., assignor to the United States of America as represented by the Secretary of the Department of the Interior. Extractor for removing soluble constituents in chemical analysis. 2,643,940, June 30.
Stevens, Rollin E., Vienna, Va., H. W. Lakin, Silver Spring, Md., and J. F. Mullins, Washington, D. C. Apparatus for carrying out spot test analyses. 2,658,820, Nov. 10.
Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Control apparatus for plural clutch operation. 2,627,168, Feb. 3.
Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Control apparatus. 2,627,328, Feb. 3.
Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Piston cushioning apparatus. 2,642,845, June 23.
Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control apparatus. 2,642,969, June 23.
Stevens, Samuel S., Plattsburg, N. Y. Papermaking machine. 2,658,430, Nov. 10.
Stevens, Samuel S., Plattsburg, N. Y. Papermaking machine. 2,658,431, Nov. 10.
Stevens, Sydney A., and H. Duckitt, King's Cross, London, assignors to Westinghouse Brake and Signal Company Limited, London, England. Relay for controlling the supply of operating current to electromagnetically actuated devices. 2,636,930, Apr. 28.
Stevens, William A., College Park, and K. T. Wilson, East Point, Ga. Apparatus for marking a hemline in dresses and skirts. 2,634,502, Apr. 14.
Stevens, William J., Philadelphia, Pa. Splineless coupling machine element. 2,634,991, Apr. 14.
Stevenson, Allan B., assignor to American Reenforced Paper Company, Attleboro, Mass. Manufacture of creped paper. 2,628,656, Feb. 17.
Stevenson, Andrew, Los Angeles, Calif. Combination lighter, cigarette holder, and ash tray. 2,649,095, Aug. 18.
Stevenson, Arthur M., Antwerp, Ohio. Liquid metering dispenser. 2,651,439, Sept. 8.
Stevenson, Charles B.: *See*—
Brockman, Earl H., Allison, Maxwell, Ovregaard, and Stevenson.
Stevenson, Charles B., Wilmington, Calif., assignor, by mesne assignments, to Quaker Oats Company, Chicago, Ill. Treating a marine product. 2,656,275, Oct. 20.
Stevenson, Charles B., Wilmington, and J. A. Hodges, Long Beach, assignors to H. R. Pauley, Los Angeles, Calif. Preserving fish of the tuna type. 2,635,050, Apr. 14.
Stevenson, Edward E., Whittier, Calif., assignor to United States Steel Corporation. Device for installing or removing standing valves. 2,649,328, Aug. 18.
Stevenson, Glenn M., Long Beach, and W. F. McFarlane, Maywood, assignors to The Torrington Manufacturing Company—Western Division, Los Angeles, Calif. Blower wheel and supporting and driving means therefor. 2,661,894, Dec. 8.
Stevenson, Halsey B.: *See*—
Cline, Edward T., and Stevenson.
McClellan, William R., and Stevenson.
Stevenson, James E., Arcadia, Calif. Trap hook. 2,643,479, June 30.
Stevenson, John H., assignee: *See*—
Richardson, Vernon C. H.
Stevenson, Louis W., Wellsboro, Pa. Article holder. 2,630,640, Mar. 10.
Stevenson, Peter C.: *See*—
Ellis, Sidney G., and Stevenson.
Stevenson, Ralph W., assignor, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich. Bottle carrier. 2,626,725, Jan. 27.
Stevenson, Ralph W., assignor, by mesne assignments, to Metal Carrier Corporation, Grand Rapids, Mich. Bottle carton carrier and unit for use therein. 2,656,947, Oct. 27.
Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Hydraulically actuated supply and exhaust valve system. 2,628,635, Feb. 17.
Stevenson, Robert, East Greenwich, R. I., assignor to Merit Engineering, Inc. Unloading valve. Re. 23,682, July 7.
Stevenson, Robert L., Barrington, R. I., assignor to Anco, Inc. Hydraulic break fuse. 2,657,706, Nov. 3.
Stevenson, Robert O., Philadelphia, and C. R. Turner, Springfield Township, Montgomery County, assignors to Proctor Electric Company, Philadelphia, Pa. Feed water system for steam irons. 2,625,756, Jan. 20.
Stevenson, Wade, assignee: *See*—
Clark, Frederick G.
Stevenson, Walter S.: *See*—
Fortner, Eddie L., and Stevenson.
Stevenson, Willard J., Detroit, Mich. Sign. 2,631,392, Mar. 17.
Stevenson, William A., Opportunity, assignor to W. B. Hopkins, Spokane, Wash. Combination baby seat and armrest for automobiles. 2,627,903, Feb. 10.
Steverlynck, Baldewijn, Kortrijk, assignor to Groeninghe Ververij P. V. B. A., Courtrai, Belgium. Apparatus for the treatment of textile materials at elevated temperatures. 2,633,009, Mar. 31.
Stevinson, Harry T., Arnprior, Ontario, assignor to National Research Council, Ottawa, Ontario, Canada. Trace identifier for optical oscillographs. 2,645,552, July 14.
Steward, Colby W., assignor to The Maytag Company, Newton, Iowa. Collector ring assembly. 2,634,357, Apr. 7.
Steward, Donald T., assignee: *See*—
Hull, Robert R.
Steward, Merrill F., assignee: *See*—
Hull, Robert R.
Steward, Roy F., assignee: *See*—
Hull, Robert R.
Stewart, Arthur L., Brighton, assignor to The Gleason Works, Rochester, N. Y. Fine adjustment device. 2,654,262, Oct. 6.
Stewart, Aubrey P., Jr.: *See*—
Kempf, Clayton A., Neidlinger, Stewart, and Sharp.
Stewart, Doane: *See*—
Raynor, Richard N., and Stewart.
Stewart, Donald A., Hammersmith, London, assignor to Westool Limited, St. Helen's Auckland, England. Electromagnetic vibrator. 2,641,720, June 9.
Stewart, Donald C.: *See*—
Crandall, Howard W., and Stewart.
Stewart, Floyd D.: *See*—
Mathes, Roger A., and Stewart.
Stewart, Henry P., Binghamton, N. Y. Animated doll. 2,648,161, Aug. 11.
Stewart, Herman V., Glendale, Calif. Two-cycle internal-combustion engine. 2,639,696, May 26.
Stewart, Hugh T.: *See*—
Johnson, Lloyd A., Helfrecht, and Stewart.
Stewart, Hugh W.: *See*—
Turner, Richard J., and Stewart.
Stewart, Hugh W., Plainfield, N. J., and E. G. Lee, Amherst, Va., assignors to American Cyanamid Company, New York, N. Y. Substituted piperazines and preparing same. Re. 23,701, Aug. 18.
Stewart, Ian F., Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited. Apparatus particularly adapted for orientating hollow articles of relatively greater length than width and of substantially straight longitudinal axis and having one end open and the other end at least substantially closed. 2,630,221, Mar. 3.
Stewart, Ian F., Kilwinning, and D. G. Ashcroft, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Feeder for elongated cylinderlike objects. 2,635,261, Apr. 21.
Stewart, James, Homewood, Ill. Container imprinter. 2,635,532, Apr. 21.
Stewart, James, Homewood, Ill. Container imprinter. 2,635,533, Apr. 21.
Stewart, John A.: *See*—
Capell, Robert G., Ridenour, and Stewart.
Stewart, John W., Golden, Colo. Accessory pump structure for engines. 2,625,144, Jan. 13.
Stewart, Leonard E., Midland, and M. J. Winters, Odessa, Tex., assignors, by mesne assignments, to Tri-State Oil Tool Company, Inc., Shreveport, La. Retrieving arrangement for well drilling operations. 2,647,008, July 28.
Stewart, Mary A., Canandaigua, N. Y. Chair for group photography. 2,658,553, Nov. 10.
Stewart, Ralph T., Winston-Salem, N. C., assignor to The Herald Press, Inc. Web handling machine. 2,655,212, Oct. 13.
Stewart, Robert G., Sr., Pittsburgh, Pa., assignor to United States Steel Corporation. Spring retainer ring. 2,648,557, Aug. 11.
Stewart, S. Grant: *See*—
Mayland, Bertrand J., and Stewart.
Stewart, Virgil F., East Cleveland, Ohio. Fluid controlled transmission. 2,637,219, May 5.
Stewart, Walter A., assignor to American Optical Company, Southbridge, Mass. Eye protective device. 2,642,568, June 23.
Stewart, Walter A., Weymouth, England. Hydraulic remote-control system. 2,649,173, Aug. 18.
Stewart-Warner Corporation, assignee: *See*—
Allen, Arthur C.
Allen, Arthur C., and Lansky.
Allen, George W., and Tramontini.
Campbell, Thomas A.
Dinkelkamp, Henry T.
Farr, Willard H.
Juettner, Thomas R.
Leonard, John T.
Lockhart, Robert W.
Miner, Floyd E., and Murbach.
Morton, Robert B.
Paradise, Francis C.
Petroff, Merlin.
Schmid, Walter.
Schweisthal, Frederick G.
Tear, Harry R.
Wargo, Peter.

Stewart, Warren A., Granby, Mass., assignor to Worthington Corporation. Combined fan and power transmission sheave. 2,629,545, Feb. 24.

Stewart, William B., Scarsdale, N. Y., assignor to Shell Development Company, San Francisco, Calif. Variable volume separator for liquids. 2,661,094, Dec. 1.

Stewart, William C., Severna Park, Md. Relaxation test apparatus. 2,647,393, Aug. 4.

Stewart, William D., Brecksville, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of unsaturated organic compounds using improved redox catalysts. 2,631,997, Mar. 17.

Stewart, William D., Brecksville, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plant growth regulant compositions containing haloaryl sulfinic and thiosulfinic acids or their salts. 2,632,698, Mar. 24.

Stewart, William D., Brecksville, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of unsaturated organic materials. 2,634,258, Apr. 7.

Stewart, William D., Brecksville, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Biologically active compositions. 2,650,876, Sept. 1.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Beta-halo propionic acids and derivatives as plant growth regulants. 2,636,816, Apr. 28.

Stewart, William D., Brecksville, and J. H. Standen, Cleveland Heights, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Polyhalocyclohexenone compositions adapted for herbicidal and other use. 2,657,126, Oct. 27.

Steyrleitner, Hans: *See*—
Bartu, Franz, and Steyrleitner.

Stibitz, George R., Burlington, Vt., assignor to Barber-Colman Company, Rockford, Ill. Slide rule. 2,649,247, Aug. 18.

Stibitz, George R., Burlington, Vt. Function unit. 2,650,500, Sept. 1.

Stibitz, George R., Burlington, Vt. Mechanical differential. 2,660,064, Nov. 24.

Stibitz, George R., Burlington, Vt. Ganged circuit element. 2,662,148, Dec. 8.

Sticelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Dough sheeting device for transverse sheeting. 2,642,012, June 16.

Sticelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Dough transfer device for loaf molding apparatus. 2,647,612, Aug. 4.

Stich, Eugen G., Heidelberg, Germany. Continuous manufacture of yeast. 2,657,174, Oct. 27.

Stich, Raymond N., Minneapolis, Minn. Rock-grooving tool. 2,656,169, Oct. 20.

Stichs, Wilhelm, Hanau (Main), Germany, assignor, by mesne assignments, of one-third to The Elwood Research Company, a division of Chiselhurst, Inc., Newark, N. J. Surgical ligature applicator. 2,648,065, Aug. 11.

Stickelber, Merlin A.: *See*—
Mohr, John E., and Stickelber.

Stickelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Loaf molding machine. 2,655,876, Oct. 20.

Stickelber & Sons, Inc., assignee: *See*—
Mohr, John E., and Stickelber.
Stickelber, Merlin A.

Stickler, Charles W., Jr., Reading, Pa. Automatic safety car stop. 2,660,959, Dec. 1.

Stickler, Lucian E. V., Miami, Fla. Tobacco curing stick mounting means. 2,662,718, Dec. 15.

Stickley, Leopold, Fayetteville, N. Y. Center extension serving table. 2,628,143, Feb. 10.

Stickney, Arwood D., Missoula, Mont. Garbage disposal unit. 2,652,163, Sept. 15.

Stidham, Lee: *See*—
Peters, Tenal L., George, and Stidham.

Stiebel, Theodor, Holzminden, Germany. Portable hot beverage preparation apparatus. 2,640,140, May 26.

Stiebel, Theodor, Holzminden, Weser, Germany. Portable utensil for food and beverage preparation by heat. 2,651,706, Sept. 8.

Stiebing, Heinrich, Hattingen (Ruhr), assignor to Franz Kuhlmann K.-G., Werkstätten für Präzisionsmechanik und Maschinenbau, Wilhelmshaven, Germany. Apparatus for drawing a central perspective representation. 2,651,111, Sept. 8.

Stiefel, Mona, and M. Kallchman, New York, N. Y. Fountain pen. 2,652,030, Sept. 15.

Stiefelmayer, Eugen, assignor to United Aircraft Products, Inc., Dayton, Ohio. Metalworking machine. 2,653,561, Sept. 29.

Stiegler, August, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuous vulcanizing apparatus. 2,648,872, Aug. 18.

Stieglitz, Henry M., assignor to Frank Adam Electric Company, St. Louis, Mo. Device for attaching fronts to electrical cabinets. 2,647,004, July 28.

Stiehm, Glen W., assignor to Jewett & Sherman Company, Milwaukee, Wis. Food package having insertable food article support. 2,628,914, Feb. 17.

Stienen, Ernest A., Peekskill, N. Y. Dyeing apparatus for textile packages. 2,637,992, May 12.

Stienen, Ernest A., Peekskill, N. Y. Apparatus for fluid treatment of yarn packages and the like. 2,637,993, May 12.

Stier, Hugh A., Fairfield, assignor to E. E. Seeley Company, Incorporated, Bridgeport, Conn. Buffing composition for metals and making same. 2,642,348, June 16.

Stieritz, William G., Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode gaseous discharge device. 2,633,550, Mar. 31.

Stierlin, Hans, Zurich, Switzerland. Evaporator for refrigerating apparatus. 2,651,923, Sept. 15.

Stieve, Marvie J., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Loading system. 2,630,076, Mar. 3.

Stigers, Dana: *See*—
Stigers, Melburne and D.

Stigers, Melburne and D., Tucson, Ariz. Fluid transmission. 2,630,023, Mar. 3.

Stigum, Tom, Portland, and G. D. Keerins, West Linn, assignors to Pointer-Willamette Company, Inc., Portland, Oreg. Beam suspension for vehicles. 2,660,450, Nov. 24.

Stiler, Ted, Brooklyn, N. Y. Lock for thermostats. 2,655,806, Oct. 20.

Stiles, Alan R.: *See*—
Harman, Denham, and Stiles.

Stiles, Le Conie, Seattle, Wash. Production of layer pastry. 2,627,825, Feb. 10.

Stiller, Harry I., Hollywood, Calif. Can opener. 2,634,883, Apr. 14.

Stillman, Albert L., Plainfield, N. J., assignor to Fuel Research Corporation, New York, N. Y. Manufacturing briquettes. 2,661,326, Dec. 1.

Stillman, Edwin A., New York, N. Y. Portable ash receiver for personal use. 2,645,229, July 14.

Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.

Stillwagon, Crawford K., Houston, Tex. Piston and piston and rod combination. 2,656,229, Oct. 20.

Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Method of producing sheet metal bearings. 2,629,165, Feb. 24.

Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Flexible cover for universal joints. 2,648,208, Aug. 11.

Stillwell, William F.: *See*—
Friday, James D., and Stillwell.

Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes of the anthraquinone series. 2,628,230, Feb. 10.

Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo compounds of the anthraquinone series. 2,628,231, Feb. 10.

Stilmar, Frederic B., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Halogenated aminoanthraquinonyl-oxdiazoles. 2,650,926, Sept. 1.

Stilson, Herbert A., Chicago, assignor to McGill Metal Products Company, Marengo, Ill. Animal trap. 2,637,932, May 12.

Stilwell, Glenn E.: *See*—
Thornton, Garno E., Verrinder, Stilwell, McGrath, and Richards.

Stilwell, Glenn E., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Egg case making machine. 2,635,236, Apr. 21.

Stilwell, Glenn E., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Clamp dagger cam release. 2,651,035, Sept. 8.

Stilwell, Glenn E., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Automatic lidder for boxes varying in length. 2,651,036, Sept. 8.

Stimpel, Vernon C.: *See*—
MacLean, John A., Jr., and Stimpel.

Stimson, Allen G., Lynnfield, K. Brynes, Manchester, F. B. Jennings, Beverly, and C. F. Taylor, Peabody, Mass., assignors to General Electric Company. Logarithmic exposure meter. 2,648,254, Aug. 11.

Stimson, Marvin W.: *See*—
Donald, James, Stimson, and Birza.

Stimson, Noel O., Los Angeles, Calif. Corneal contact lens. 2,653,515, Sept. 29.

Stimson, Percy G.: *See*—
Davidson, John T., and Stimson.

Stimson, Percy G., assignor to The Standard Register Company, Dayton, Ohio. Strip feeding mechanism. 2,659,472, Nov. 17.

Stinchcomb, Loid M., and R. S. Doerr, assignors to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Mounting separable thin metal nipple hose couplings. 2,634,786, Apr. 14.

Stine, Oliver C., Sun Valley, assignor to Lindsay & Wagnild, Inc., Van Nuys, Calif. Cesspool lining machine. 2,650,477, Sept. 1.

Stineman, Russell W., and J. W. Ward, assignors to Boeing Airplane Company, Seattle, Wash. Alternator real power equalizing apparatus for multiple alternator systems. 2,636,132, Apr. 21.

Stines, Daniel E., Plainfield, N. J., assignor to Standard Oil Development Company. Elastic surface liner for abrasive services. 2,633,873, Apr. 7.

Stingl, Joseph, Stratford, Conn., assignor to S & L Metal Products Company. Price tag holder. 2,626,472, Jan. 27.

Stinson, Jack B., Long Island City, N. Y. Speed control system. 2,653,020, Sept. 22.

Stipek, Johann F., Vienna, Austria. Projection of stereoscopic pictures. 2,661,651, Dec. 8.

Stirling, John W., Jr.: *See*—
Wallace, James M., and Stirling.

Stirn, Frank E., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Making colored gelatin capsules. 2,624,163, Jan. 6.

Stirn, Frank E., Evans Park, Pearl River, and A. S. Taylor, Spring Valley, assignors to American Cyanamid Company, New York, N. Y. Container feeding machine. 2,632,553, Mar. 24.

Stirn, Frank E., Evans Park, Pearl River, and A. S. Taylor, Spring Valley, assignors to American Cyanamid Company, New York, N. Y. Drying gelatin capsules. 2,638,686, May 19.

Stirn, Frank E., Pearl River, and A. S. Taylor, Spring Valley, assignors to American Cyanamid Company, New York, N. Y. Vacuum powder feeder. 2,644,617, July 7.

Stirn, Frank E., Pearl River, and A. S. Taylor, Spring Valley, assignors to American Cyanamid Company, New York, N. Y. Method and machine for making capsules. 2,663,128, Dec. 22.

Stirzel, Jacob W., Philadelphia, Pa. Gear actuated predetermined torque release wrench. 2,639,637, May 26.

Stith, M. J., independent executor: *See*—
Stith, Marcus L.

Stith, Marcus L., deceased, San Antonio, Tex.; by M. J. Stith, independent executor. Telescope mount. 2,632,253, Mar. 24.

Stitt, Fred, and Y. Tomimatsu, Berkeley, and A. H. Tjensvold, San Francisco, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Determination of ethylene in gases. 2,648,598, Aug. 11.

Stivers, Norman J., Canoga Park, and T. H. Ennis, Burbank, Calif., assignors to Donald F. Duncan, Inc., Chicago, Ill. Tethered aerial top. 2,629,202, Feb. 24.

Stoate, Norman P., Hampstead Garden, London, and G. E. Shepheard, Wembley, assignors to U. D. Engineering Company Limited, London, England. Apparatus for detecting the presence of foreign bodies on the bottoms of transparent vessels. 2,636,602, Apr. 28.

Stobbe, Benjamin B., assignor to Ohio-Kentucky Manufacturing Company, Ada, Ohio. Baseball glove. 2,636,172, Apr. 28.

Stobbe, Hans W.: *See*—
Deutsch, Martin K., and Stobbe.

Stock, Arthur J.: *See*—
Fogwell, Joseph W., and Stock.

Stock, Arthur J., Cleveland, Ohio. Pressurized coal scale. 2,650,816, Sept. 1.

Stock, Arthur J., Cleveland, Ohio. Air lock coal scale. 2,661,181, Dec. 1.

Stock, Arthur J., Rocky River, Ohio. Conveyer distribution system for aggregate materials. 2,626,719, Jan. 27.

Stock Equipment Company, assignee: *See*—
Fogwell, Joseph W., and Stock.

Stock, Herman E., New Haven, Conn. Ash tray for vehicles. 2,641,264, June 9.

Stock, Robert P., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat-resistant composition and making same. 2,650,206, Aug. 25.

Stockam, Willis M.: *See*—
Koza, Ralph H., and Stockam.

Stockard, John M., Washington, D. C. Torpedo exploder. 2,645,180, July 14.

Stockburger, Charles J.: *See*—
Turner, Edgar P., and Stockburger.

Stockdale, Charles H., Springfield, and D. Johnson, Ridley Park, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flow divider device. 2,654,384, Oct. 6.

Stockdale, William A., Zanesville, Ohio. Coffee dispenser. 2,639,837, May 26.

Stocker, Fritz: *See*—
Suter, Hans, Stocker, and Zutter.

Stocker, Godfrey H., Menlo Park, Calif. Landing approach lighting system for aircraft. 2,634,399, Apr. 7.

Stockett, Wiley T., Jr., Woodruff, Ariz. Spool-and-chain log stop and kicker. 2,651,334, Sept. 8.

Stockfleth, Berger: *See*—
Osborne, Le Roy M., and Stockfleth.

Stocking, Harold E., Trenton, N. J., assignor to General Electric Company. Water inlet system for automatic washing machines. 2,643,665, June 30.

Stockinger, Paul P., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine over temperature fuel control mechanism. 2,637,165, May 5.

Stockland Road Machinery Co., assignee: *See*—
Waller, Ralph D.

Stockton, Ray F., Wire Products Co. Inc., assignee: *See*—
Stockton, Raymond F.

Stockton, Raymond F., Sunland, assignor to Ray F. Stockton Wire Products Co. Inc., Burbank, Calif. Making wire lath. 2,628,642, Feb. 17.

Stockton, Raymond F., Sunland, assignor to Ray F. Stockton Wire Products Co., Inc., Burbank, Calif. Wire and machine for making. 2,633,877, Apr. 7.

Stockton, Raymond F., Sunland, assignor to Ray F. Stockton Wire Products Co. Inc., Burbank, Calif. Wire fabric bending and feeding apparatus. 2,637,365, May 5.

Stockton, Raymond F., Sunland, assignor to Ray F. Stockton Wire Products Co. Inc., Burbank, Calif. Self-furring corner lath. 2,645,930, July 21.

Stockwell, Clifford H., Ottawa, Ontario, Canada. Projection viewing and calculating device. 2,638,031, May 12.

Stoddard, Alexander, assignor to J. G. Marshall, Auburn, Maine. Tie rod lock. 2,660,460, Nov. 24.

Stoddard, Carl K., Westfield, and J. L. Wyatt, New Brunswick, N. J., assignors to National Lead Company, New York, N. Y. Production of titanium metal. 2,663,634, Dec. 22.

Stoddard, David F.: *See*—
Horne, Richard C., and Stoddard.

Stoddard, Edgar S., Berwyn, Ill., assignor to General Electric Company. Washing apparatus. 2,635,941, Apr. 21.

Stoddard, Edgar S., Berwyn, Ill., assignor to General Electric Company. Drain control mechanism for washing apparatus. 2,652,854, Sept. 22.

Stoddard, Harold K., assignor, by mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic detearing apparatus. 2,640,459, June 2.

Stoddard, Hart A., assignee: *See*—
Fitzgerald, Robert L.

Stoddard, William B., Jr., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Tanning agents and preparation. 2,639,968, May 26.

Stoddard, William B., Jr., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Alkali-lignin tanning agents and preparation. 2,640,052, May 26.

Stoddart Aircraft Radio Company, assignee: *See*—
Shaw, James W.

Stodgell, Henry, Seattle, Wash. Clamping device. 2,663,938, Dec. 29.

Stoeckel, Albert L., assignor to Wean Equipment Corporation, Euclid, Ohio. Machine for making wire fabric. 2,642,098, June 16.

Stoecker, George C., Chicago, and H. L. Kell, Clarendon Hills, assignors to Armour and Company, Chicago, Ill. Protein-aromatic amine-aldehyde reaction products. 2,630,414, Mar. 3.

Stoeckicht, Wilhelm G., Munich-Solln, Germany. Planetary speed-reducing and reversing gear. 2,648,998, Aug. 18.

Stoelting Brothers Company, assignee: *See*—
Detjen, Edgar W.

Stoelting, Herman O., assignor to McGraw Electric Co., Milwaukee, Wis.. Lightning arrester. 2,650,330, Aug. 25.

Stoelting, Herman O., assignor to McGraw Electric Co., Milwaukee, Wis. Lightning arrester. 2,661,439, Dec. 1.

Stoertz, Howard, Philadelphia, Pa., assignor to The Electric Storage Battery Company. Storage battery grid. 2,634,304, Apr. 7.

Stoesser, Wesley C., Midland, and E. H. Sommerfield, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Making 4-tertiary-butyl-phenyl salicylate. 2,654,774, Oct. 6.

Stoesz, John A.: *See*—
Balzer, Abram P., and Stoesz.

Stoffel, Hans F., Scarsdale, N. Y. Sealing device. 2,626,825, Jan. 27.

Stoffel, Hans F., Scarsdale, N. Y. Sealing tool. 2,657,600, Nov. 3.

Stoffel, Hans F., Scarsdale, N. Y. Tag. 2,662,321, Dec. 15.

Stoffel, Hans F., Scarsdale, N. Y. Seal. 2,662,789, Dec. 15.

Stoffel, Michael F., assignee: *See*—
Holmberg, John E., and Gruener.

Stoffel Seals Corporation, assignee: *See*—
Nierhaus, Henry.

Stofleth, Alton A., Evansville, Ind. Fishing tackle with retrieving means combined therewith. 2,645,051, July 14.

Stoger, George F., Kenosha, Wis. Tissue package holder. 2,655,338, Oct. 13.

Stohn, Kendall R., Powell, Wyo. Combination bumper sub and safety joint unit. 2,650,797, Sept. 1.

Stohn, Kendall R., Powell, Wyo. Key seat tool for well drilling. 2,650,798, Sept. 1.

Stoker, Curtis B., Shreveport, La. Automatic sugar bowl. 2,653,734, Sept. 29.

Stoker, Lewis R., Philadelphia, Pa. Trash can handling truck. 2,636,627, Apr. 18.

Stoker, Lyman P., San Francisco, Calif. Automatic feeder. 2,657,784, Nov. 3.

Stokes, Arthur J., and H. W. Carhart, Washington, D. C. Preparing protective clothing. 2,628,174, Feb. 10.

Stokes, Benjamin E., Ayden, N. C. Wheel and axle assembly for tobacco truck chassis. 2,661,958, Dec. 8.

Stokes, Elise T., Greensboro, N. C. Facial up-lift band. 2,661,737, Dec. 8.

Stokes, Florene, assignee: *See*—
Riza, Thomas H.

Stokes, Irving: *See*—
Maresca, Peter T., and Stokes.

Stokes, Irving, Neptune, N. J., and L. P. Brooks, Washington, D. C. Pulse-echo signal display system. 2,640,983, June 2.

Stokes, Jasper D., Soquel, Calif. Automatic temperature equalizer for heating systems. 2,636,684, Apr. 28.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core drilling apparatus. 2,633,336, Mar. 31.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Slush nozzle for drill bits. 2,634,953, Apr. 14.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Coring apparatus. 2,634,956, Apr. 14.

Stokes, John C., assignor to Reed Roller Bit Company, Houston, Tex. Core taking apparatus. 2,658,726, Nov. 10.

Stokes Molded Products, Inc., The, assignee: *See*—
Laning, Edwin R.

Stokes, Morris A.: *See*—
Allen, Sidney, and Stokes.

Stokes, Philip H., Tettenhall, A. A. Avenell, Wolverhampton, and P. Mitchell, Shifnal, Salop, assignors to H. M. Hobson Limited, London, England. Fuel supply system. 2,637,273, May 5.

Stolaroff, Myron J., Redwood City, assignor to Ampex Electric Corporation, San Carlos, Calif. Magnetic recording system with negative feedback system. 2,634,335, Apr. 7.

Stolberg, Sven A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Automatic phonograph. 2,637,559, May 5.

Stoll, Albert, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Two-stroke internal-combustion engine. 2,635,593, Apr. 21.

Stoll, Charles C.: *See*—
Wilckens, Elbe A., and Stoll.

Stoll, Max, assignor to Firmenich & Co., successeurs de la Societe Anonyme M. Naef & Cie., Geneva, Switzerland. Preparation of cyclopolymethylenic ketones. 2,656,390, Oct. 20.

Stoll, Max, assignor to Firmenich & Co., successeurs de la Societe Anonyme M. Naef & Cie., Geneva, Switzerland. Preparation of α-β unsaturated cyclopolymethylenic ketones. 2,656,391, Oct. 20.

Stoll, Robert, Greeley, Colo. Emergency cutting means for wearing apparel. 2,654,964, Oct. 13.

Stoll, Samuel J.: *See*—
Sejarto, Lester, and Stoll.

Stoll, Willy: *See*—
Litvan, Franz, and Stoll.

Stoll, Willy, and F. Litvan, assignors to J. R. Geigy A. G., Basel, Switzerland. 3-substituted 4-hydroxycoumarins and their production. 2,648,682, Aug. 11.

Stoller, Warren H., Chicago, Ill. Fluorescent light fixture for circular fluorescent lamps. 2,626,346, Jan. 20.

Stollman, Jacob, Lake Parsippany, N. J. Ventilating device for storm windows. 2,629,902, Mar. 3.

Stolp, Samuel S., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Electric signal for trackless trolley coaches. 2,658,191, Nov. 3.

Stolper Steel Products Corporation, assignee: *See*—
Chapman, Henry C.

Stolte, Harvey R., Ellicott City, Md. Combined container and toy building block. 2,631,747, Mar. 17.

Stoltman, Donald, Conesus, N. Y., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 2,635,862, Apr. 21.

Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,632,862, Mar. 24.

Stolz, Owen M.: *See*—
Roush, Alan D., Stolz, and Yeck.

Stolzer, Milton M., Uniondale, N. Y. Apparatus for producing television in color. 2,638,816, May 19.

Stonaker, Harold M., Concord, Calif. Electrical outlet concrete form clamp. 2,633,263, Mar. 31.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for racking pipe in derricks. 2,628,725, Feb. 17.

Stone, Albert L., Palos Verdes Estates, Calif. Pressure responsive pipe joint seal. 2,631,871, Mar. 17.

Stone, Albert L., Palos Verdes Estates, Calif. Making fused joints. 2,662,277, Dec. 15.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Pipe elevator. 2,661,979, Dec. 8.

Stone, Albert M., Newton, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Pulse analyzer. 2,639,377, May 19.

Stone, Bertram M., and R. Gilmont, Brooklyn, assignors to The Emil Greiner Company, New York, N. Y. Pressure-tight stopcock adapter. 2,642,258, June 16.

Stone, Carl E., and F. J. Brzoticky, Denver, Colo. Chain link compressing pliers. 2,625,067, Jan. 13.

Stone, Carl R.: *See*—
Schmidt, Edward G., and Stone.

Stone, Eliot, E. J. Sparke, and J. P. Muldowney, assignors to British Enka Limited, London, England. Yarn stretching device. 2,661,521, Dec. 8.

Stone, Flora S., executrix: *See*—
Stone, Lucien B.

Stone, Fred B.: *See*—
Vilkomerson, Benjamin S., and Stone.

Stone, George M., Westfield, N. J., assignor to American Can Company, New York, N. Y. Discharge device for can weighing machines. 2,627,346, Feb. 3.

Stone, George M., Westfield, N. J., assignor to American Can Company, New York, N. Y. Can weighing machine divider device. 2,627,348, Feb. 3.

Stone, George M., Westfield, N. J., assignor to American Can Company, New York, N. Y. Can closing machine with flange suspension support. 2,640,452, June 2.

Stone, Irving, Chicago, Ill. Child's drawing device. 2,640,280, June 2.

Stone, J., & Company Limited, assignee: *See*—
Nixon, Leslie Reginald.
Shave, Ralph E. J.

Stone, James T., Denver, Colo., assignor, by mesne assignments, to Zumbach Motor Repair Company. Humidifying device for internal-combustion engines. 2,632,637, Mar. 24.

Stone, John T., Baltimore, Md. Automatic opening and closing tongs. 2,629,627, Feb. 24.

Stone, Joseph K., Jr., Chicago, Ill., assignor to United States Steel Corporation. Device for progressively releasing a reagent in a bath of molten metal. 2,662,008, Dec. 8.

Stone, Kenneth, Elmhurst, assignor to Neostyle, Incorporated, Chicago, Ill. Bag closing machine. 2,662,357, Dec. 15.

Stone, Kenneth, Longmeadow, Mass., assignor to Neostyle, Incorporated, Chicago, Ill. Folding mechanism. 2,641,880, June 16.

Stone, Lester B., assignee: *See*—
O'Gorman, William F.

Stone, Lucien B., deceased, Summit, N. J., by F[illegible] Stone, executrix. Escapement for clocks and watches. 2,633,695, Apr. 7.

Stone, Melvin L., East Cleveland, Ohio, assignor to General Electric Company. Incandescent lamp mount and manufacture thereof. 2,644,102, June 30.

Stone, Oliver M., Cleveland, Ohio. Drawing machine. 2,648,908, Aug. 18.

Stone, Peter T.: *See*—
Lapidovsky, Piotr F.

Stone, Robert L., Lake Worth, Fla., assignor to The Soundscriber Corporation, New Haven, Conn. Optical log system. 2,637,557, May 5.

Stone, Roger T., San Jose, Costa Rica, assignor to Food Concentrates, Inc., New York, N. Y. Making a banana product. 2,647,838, Aug. 4.

Stone, Scelmer L., Kiefer, Okla. Reciprocating pump with movable cylinder. 2,641,197, June 9.

Stone, Sink J., Swannanoa, N. C. Circuit breaker. 2,639,391, May 19.

Stone, Wallace G., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Surge suppressor. 2,644,913, July 7.

Stone & Webster Engineering Corporation, assignee: *See*—
Chambers, John M.
Kirkpatrick, Alton.
Schutt, Hermann C.

Stone, William, Jr., Cambridge, Mass. Movable post-enucleated implant. 2,660,732, Dec. 1.

Stonecipher, William D., Newark, assignor to Hercules Powder Company, Wilmington, Del. Chlorinated terpene alcohols, esters, and ethers as insecticides. 2,657,166, Oct. 27.

Stone Crest Studios, Inc., assignee: *See*—
Martens, Robert E., and Whinnery.

Stoneman, John P.: *See*—
Cave, Godfrey J., Hampson, and Stoneman.

Stoneman, John P., Coventry, assignor to Courtaulds Limited, London, England. Production of cellulose triesters. 2,635,097, Apr. 14.

Stoner, Arthur M., and G. S. Haviland, assignors to The Jacobs Manufacturing Company, West Hartford, Conn. Bit brace having a chuck with sliding actuator. 2,629,414, Feb. 24.

Stoner, Charles F. U.: *See*—
Yujuico, Pedro S., and Stoner.

Stoner, Charles W., Milwaukee, Wis. Antisweat antifrost attachment. 2,647,374, Aug. 4.

Stoner, Eliot F.: *See*—
Carhart, Nathan A., and Stoner.

Stoner, Francis E., and S. W. Lillie, said Stoner assignor to United Aircraft Products, Inc., Dayton, Ohio. Controls for steam-water cleaning apparatus. 2,641,508, June 9.

Stoner, Frank H., Monroe, Mich., assignor to Monroe Auto Equipment Company. Collapsible dumping box. 2,658,647, Nov. 10.

Stoner, George H., Seattle, Wash., O. N. Becker, Cambridge, Mass., and H. Levinson, assignors to Boeing Airplane Company, Seattle, Wash. Direct-current electric motor. 2,626,366, Jan. 20.

Stoner, Harry B., Aurora, E. Parre, and G. Rogers, Batavia, assignors to Stoner Manufacturing Corporation, Aurora, Ill. Coin-controlled mechanism. 2,655,244, Oct. 13.

Stoner, Lewis D., assignor to Alston Manufacturing Co., Oakland, Calif. Weed destroying device. 2,659,918, Nov. 24.

Stoner Manufacturing Corporation, assignee: *See*—
Stoner, Harry B., Parre, and Rogers.

Stonesifer, William J., Taneytown, Md. Cattle and hog oiler. 2,663,284, Dec. 22.

Stonestreet, Lois H., assignor to Kwik-tite, Incorporated, Charlotte, N. C. Lady's cap. 2,627,073, Feb. 3.

Stookey, Kenneth W., assignor to The Gas Machinery Company, Cleveland, Ohio. High-temperature reactor. 2,645,566, July 14.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Sculpturing glass. 2,628,160, Feb. 10.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Photosensitively opacifiable glass. 2,651,145, Sept. 8.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Opacifying the surface of glass articles. 2,651,146, Sept. 8.

Stoops, William N.: *See*—
Denison, Walter A., and Stoops.

Stopper, Charles A., Camden, N. J., assignor to Diamond Paper & Box Company, Philadelphia, Pa. Paperboard box construction (hexagonal). 2,644,633, July 7.

Stora Kopparbergs Bergslags Aktiebolag, assignee: *See*—
Kalling, B. M. S., Amèen, and Stalhed.

Storbakken, Hilmer, Viroqua, Wis. Pocket calculator. 2,643,824, June 30.

Storberg, Samuel G., St. Paul, Minn. Sanding device for vehicles. 2,626,823, Jan. 27.

Storch, Henry H.: *See*—
Elliott, Martin A., Clark, and Storch.

Storch, Max H., Belle Harbor, N. Y. Manufacture of sterling silver handles with gold design headings. 2,646,698, July 28.

Storer, John E., Jr., and W. G. Livezey, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Overrunning clutch. 2,647,599, Aug. 4.

Storer, Merrill E., Rochelle Park, assignor to Janke and Company, Hackensack, N. J. Explosive atmosphere test chamber. 2,659,235, Nov. 17.

Storer, Richard M., Denver, Colo. Expansible grid for ice trays. 2,654,230, Oct. 6.

Storer, Stacy S., Jr., Atlanta, assignor to Steel, Inc., Scottdale, Ga. Portable grandstand. 2,651,081, Sept. 8.

Storer, William C., and A. L. Rotruck, Narrows, Va., assignors to Celanese Corporation of America, New York, N. Y. Carton. 2,662,638, Dec. 15.

Storey, James M., Maidenhead, assignor to Dewrance & Co. Ltd., London, England. High-pressure packing ring and core element therefor. 2,634,995, Apr. 14.

Storey, Wilbur G., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company. Telephone subset wiring-plan system. 2,651,683, Sept. 8.

Storkline Furniture Corporation, assignee: *See*—
Feldman, Abraham G.

Storm, George F., executor: *See*—
Storm, Raymond W.

Storm, Lynn W., assignor to Houston Oil Field Material Company, Inc., Houston, Tex. Locking lift plug. 2,624,609, Jan. 6.

Storm, Lynn W., Houston, Tex. Automatically operable orienting tool. 2,632,630, Mar. 24.

Storm, Lynn W., Houston, Tex. Pipe spinner. 2,633,333, Mar. 31.

Storm, Lynn W., Houston, Tex. Outside pipe cutting tool. 2,651,362, Sept. 8.

Storm, Raymond W., deceased, Pelham Manor, N. Y., G. F. Storm, executor, assignor to Storm Flooring Co., Inc., New York, N. Y. Flooring element. 2,634,464, Apr. 14.

Storm Flooring Co., Inc., assignee: *See*—
Storm, Raymond W.

Storner, Frederick W., Chicago, Ill. Strainer for coffee makers. 2,653,717, Sept. 29.

Stornetta, James R.: *See*—
Stornetta, Leroy F. and J. R., and Armstrong.

Stornetta, Leroy F. and J. R., Brentwood, and J. M. Armstrong, Byron, Calif. Seed broadcasting implement. 2,638,351, May 12.

Storniolo, Joseph: *See*—
Overbeck, Charles J., and Storniolo.

Storrs, Fred O., Bell Gardens, Calif. Telescopic brush handle. 2,641,012, June 9.

Storsand, Bjarne, Zurich, assignor to Ateliers de Construction Oerlikon, Zurich-Oerlikon, Switzerland. Arrangement for the safety grounding of vehicles with rotating mass drive. 2,626,673, Jan. 27.

Stortz, John H., Philadelphia, Pa. Telescoping box with cover fastener. 2,625,316, Jan. 13.

Stortz, Parker H., Glendale, Calif. Method and apparatus for producing piled fabrics. 2,638,933, May 19.

Stortz, Parker H., Glendale, Calif. Apparatus for producing woven fabrics. 2,638,935, May 19.

Story, Drew, Hobbs, N. Mex. Oil field fishing tool for rock bits. 2,654,627, Oct. 6.

Story, Majorie G.: *See*—
Wolff, Heinz S., Story, and Behrens.

Story, Paul E.: *See*—
Horner, Albert, and Story.

Story, William E., Jr.: *See*—
Walker, Fred L., Jr., and Story.

Stossel, Frank, Winnipeg, Manitoba, Canada. Decoy. 2,639,534, May 26.

Stott, Albert M.: *See*—
Dietsch, Francis W., Musser, and Stott.

Stott, Harold B., Glenolden, Pa., assignor to Radio Corporation of America. High-inductance loop antenna and system. 2,641,704, June 9.

Stott, John E., assignor to Wallaceburg Brass Limited, Wallaceburg, Ontario, Canada. Rotation indicator for plug-cock type of valves. 2,639,118, May 19.

Stott, John L., Saranac Lake, N. Y. Combined internal-combustion engine and turbine. 2,647,363, Aug. 4.

Stott, Louis L., and P. L. Shurr, assignors to The Polymer Corporation, Reading, Pa. Apparatus for production of strip stock from polyamides. 2,638,628, May 19.

Stott, Louis L., and P. L. Shurr, assignors to The Polymer Corporation, Reading Pa. Production of strip stock from polyhexamethylene adipamide. 2,638,631, May 19.

Stott, Louis L., Reading, Pa., and L. R. B. Hervey, West Concord, Mass., assignors to The Polymer Corporation, Reading, Pa. Preparing finely divided nylon powder. 2,639,278, May 19.

Stott, Reginald R.: *See*—
Jones, John E., and Stott.

Stotter, Alfred B., Cleveland Heights, assignor to Transparent Specialties Corporation, Cleveland, Ohio. Receptacle for bakery products. 2,637,617, May 5.

Stouffer, John W., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Coupling screw-on machine. 2,639,497, May 26.

Stough, Gerald D., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Cargo brace structure. 2,652,004, Sept. 15.

Stough, Gerald D., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Cargo brace structure. 2,652,005, Sept. 15.

Stout, Frederick S., Ardmore, Pa. Skin burning treatment. 2,640,343, June 2.

Stout, George P., Baltimore, A. C. Powell, Ruxton, and F. J. Taylor, Jr., Hanover, Md. Apparatus for visual inspection of bottled goods. 2,646,715, July 28.

Stout, Harold E., West Leesport, assignor to Textile Trimming & Boarding Machine Company, Reading, Pa. Cutting device. 2,636,245, Apr. 28.

Stout, Kenneth L., assignee: *See*—
Haley, Allan M.

Stout, Minor W., Webster Groves, Mo. Firetube baffle insert with protected tip for heat exchangers. 2,641,206, June 9.

Stout, William H., and E. S. Pearson, Portland, Oreg., assignors to Farmland Irrigation Company, Inc. Self-draining pipe joint. 2,649,105, Aug. 18.

Stovall, Floyd I., and B. Symmonds, assignors to S & S Manufacturing Company, Waitsburg, Wash. Subsoil tunnel forming device. 2,631,389, Mar. 17.

Stovall, John A., assignee: *See*—
Myers, Allen F.

Stovall, John R., Jr., Doylestown, Pa. Automatic toll collector device. 2,646,215, July 21.

Stovall, John R., Jr., Doylestown, and I. Weintraub, Neshaminy, assignors to Tinius Olsen Testing Machine Company, Willow Grove, Pa. Capacity type strain gauge and manufacture. 2,654,060, Sept. 29.

Stover, Ancil C., assignor to W. W. Eisenhauer, co-partners doing business as The Eisenhauer Manufacturing Company, Van Wert, Ohio. Pivoted mounting for vehicle suspension springs. 2,624,593, Jan. 6.

Stover, Ancil C., assignor to W. W. Eisenhauer, W. P. Ellwood, and I. J. and L. E. Eisenhauer, copartners doing business as The Eisenhauer Manufacturing Company, Van Wert, Ohio. Swingable axle stabilizer system for paralleling natural steering forces. 2,643,895, June 30.

Stover, Ancil C., assignor to W. W. Eisenhauer, W. P. Ellwood, and I. J. and L. E. Eisenhauer, copartners doing business as The Eisenhauer Manufacturing Company, Van Wert, Ohio Suspension for road vehicles. 2,643,896, June 30.

Stover, Egbert C., assignor to Finkice Corporation, Brooklyn, N. Y. Ice storage bin having rakes for moving the surface ice. 2,646,899, July 28.

Stover, Harris, assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency correction device. 2,641,709, June 9.

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Article arranging apparatus. 2,629,481, Feb. 24.

Stover, Hollie B., Centralia, Ill. Cylindrical contact printer. 2,653,529, Sept. 29.

Stover, Olin, Washington, D. C.; now by change of name S. O. Stover. Tube bending tool. 2,630,033, Mar. 3.

Stover, Smokey O.: *See*—
Stover, Olin.

Stover, William A.: *See*—
Feasley, Charles F., and Stover.
Lang, William H., Stover, and Gutzeit.

Stover, William A., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of chromic salts. 2,650,239, Aug. 25.

Stowe, Stephen C.: *See*—
Drake, Lewis R., Stowe, and Broucek.

Stowell, Clifford P., Santa Monica, E. P. Drake, Glendale, and H. G. Humphrey, El Monte, assignors to Clary Multiplier Corporation, San Gabriel, Calif. Counter mechanism. 2,635,808, Apr. 21.

Stoyanoff, Berta, Sunnyside, Utah. Hair curler. 2,654,372, Oct. 6.

Strachan, Alexander W., Monongahela, Pa., assignor to United States Steel Corporation. Reeling rods. 2,658,012, Nov. 3.

Strachan, Andrew J.: *See*—
Christian, Raymond A., Strachan, and Williams.
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.

Strader, Leroy F., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Process and apparatus for catalyst classification in a moving bed catalyst conversion process for hydrocarbons. 2,664,387, Dec. 29.

Stradtmann, Friedrich H., Dusseldorf, Germany. Gate valve. 2,658,712, Nov. 10.

Straehl, Robert N., assignor to Sperry Products, Inc., Danbury, Conn. Means for increasing the brightness of a cathode tube display. 2,646,555, July 21.

Strahm, André, Villeneuve, and A. Quinche, St. Sulpice, assignors to Unitubo S. A., Vevey, Switzerland. Device for manufacturing flexible containers for synthetic plastic materials. 2,624,071, Jan. 6.

Strahman, Dietrick, Livingston, N. J., assignor to Klingerit, Inc., New York, N. Y. Spray nozzle. 2,657,098, Oct. 27.

Straight, David M.: *See*—
Gold, Harold, and Straight.

Strain, Daniel E.: *See*—
Brooks, Richard E., Chance, Crim, and Strain.

Strain, Daniel E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cured chlorosulfonated interpolymers of the diolefins. 2,646,422, July 21.

Strain, Franklin, Barberton, Ohio, assignor, by mesne assignments, to Columbia-Southern Chemical Corporation, Pittsburgh, Pa. Polymer and preparing same. 2,650,215, Aug. 25.

Straitiff, Dorsey E., Beverly Hills, Calif. Well digging apparatus. 2,653,794, Sept. 29.

Straitz, John F., assignor to National Airoil Burner Company, Incorporated, Philadelphia, Pa. Furnace with honeycomb baffle wall. 2,624,301, Jan. 6.

Straley, Henry F., Riverton, Wyo. Screen for threshing machines. 2,642,993, June 23.

Straley, James M., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Ethylene-bridged dibenzanthrone compounds and their preparation. 2,637,733, May 5.

Straley, James M., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Condensation products of the benzanthrone series and their preparation. 2,659,735, Nov. 17.

Straley, James M., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. 1,8-dihydroxy-5-nitro-4-hydroxyethylphenyl aminoanthraquinone compounds. 2,641,602, June 9.

Straley, James M., and J. B. Dickey, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. 1,8-dihydroxy-5-nitro-4-methylolanilinoanthraquinone compounds and their preparation. 2,651,641, Sept. 8.

Straley, James M., and R. C. Harris, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Thienyl vat dye compounds and vat dye intermediates and their preparation. 2,656,361, Oct. 20.

Stranberg, William C.: *See*—
Lamb, Miles A., Klein, Stranberg, and Frankowski.

Strand, Charles A., Duluth, Minn. Concealable trailer hitch. 2,624,589, Jan. 6.

Strand, Leslie M., Chicago, Ill. Gauging device for channel bars. 2,634,506, Apr. 14.

Strand, Martin E.: *See*—
Beaubaire, Marshall B., and Strand.

Strandskov, Carl V.: *See*—
Griess, Gerald A., and Strandskov.

Strang, Minor H., assignor to Sherer-Gillett Company, Marshall, Mich. Refrigerated multiple shelf display case. 2,630,684, Mar. 10.

Strang, Samuel B., administrator: *See*—
Holmes, Ernest W., and E. W. Holmes, Jr.

Strange, George C., Bellflower, Calif. Jaw construction for bench vise. 2,633,767, Apr. 7.

Strapp, Richard K.: *See*—
Ross, James H., Hart, Strapp, and Maass.

Strasser, Peter H. A.: *See*—
Hatt, Harold H., Strasser, and Troyahn.

Strassler, Hans, Rafz, assignor to Stamm & Co., Eglisau, Switzerland. Measuring tape and mount therefor. 2,634,919, Apr. 14.

Stratford, Charles W., assignor to Stratford Engineering Corporation, Kansas City, Mo. Washing acid treated distillate. 2,627,496, Feb. 3.

Stratford Engineering Corporation, assignee: *See*—
Putney, David H.
Stratford, Charles W.

Stratman, John E., Holdrege, Nebr. Implement lift. 2,637,564, May 5.

Stratman, John E., Holdrege, Nebr. Combination hay sweep and stacker. 2,654,494, Oct. 6.

Stratmann, Louis C., Jr., New Orleans, La. Decorative tree. 2,651,130, Sept. 8.

Strato Equipment Company, assignee: *See*—
Luck, Lucille D., and Norby.

Stratta, Louis M., Watervliet, N. Y. Coat hanger extension pad. 2,628,748, Feb 17.

Stratton, Arthur T., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective device. 2,663,776, Dec. 22.

Stratton, David W.: *See*—
Riles, Ira M., and Stratton.

Stratton, Frank E., and H. V. Hall, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Reciprocating die press. 2,651,365, Sept. 8.

Stratton, Glen S., deceased, New York, N. Y.; R. M. Stratton, Cook County, Ill., administrator of said G. S. Stratton, assignor to R. H. Hallsted, New Canaan, Conn. Barrier for motor vehicle parking systems. 2,637,920, May 12.

Stratton, Robert L., Folcroft, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Universal interlock. 2,646,474, July 21.

Stratton, Robert M., administrator: *See*—
Stratton, Glen S.

Strätveit, Nils N., Oslo, Norway. Rotary machine. 2,649,053, Aug. 18.

Straub, Carl, Nebraska City, Nebr. Trailer hoist. 2,651,498, Sept. 8.

Straub, Edward L., North Hollywood, Calif. Fuel injector for internal-combustion engines. 2,624,284, Jan. 6.

Straub, Joseph E.: *See*—
Bussiere, George, Johnson, and Straub.

Straubel, Clarence W., assignor to The General Fireproofing Company, Youngstown, Ohio. Drawer construction. 2,648,585, Aug. 11.

Straus, Lois K., Great Neck, N. Y., assignor to The Shaw-Walker Company, Muskegon, Mich. Payroll board. 2,638,360, May 12.

Straus, Lois K., Great Neck, N. Y., assignor to The Shaw-Walker Company, Muskegon, Mich. Elapsed time computer. 2,663,497, Dec. 22.

Strauss, Edward E., Highland Park, assignor to Bell & Howell Company, Chicago, Ill. Film handling mechanism for viewing apparatus. 2,630,739, Mar. 10.

Strauss, Jerome: *See*—
Dunn, Holbert E., and Strauss.

Strauss, John N., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Telescopic shock absorber. 2,653,683, Sept. 29.

Strauss, Ober G., Washington, D. C. Planting machine 2,637,287, May 5.

Strauss, Ray C., Ann Arbor, Mich. Motor control. 2,642,166, June 16.

Strauss, Theodore O., New York, N. Y. Lathe attachment. 2,660,799, Dec. 1.

Strausser, Harry E., Middle River, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Shaft coupling. 2,642,729, June 23.

Straussler, Nicholas, Piccadilly, London, assignor to Swallow Coachbuilding Company (1935) Limited, Walsall, Stafford, England. Sidecar for motorcycles. 2,646,992, July 28.

Straw, Clayton, Henniker, N. H., assignor to H. R. Davis, Jr., Winchester, Mass. Machine for making paper boxes. 2,641,973, June 16.

Straw, Harry A., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of amides. 2,640,078, May 26.

Strawsine, Fern A., Corunna, Mich. Roof ventilator. 2,638,835, May 19.

Strayer, Arthur C., Beaver, Pa. Sliding drawer transfer file. 2,655,423, Oct. 13.

Strayer, Chalmers A., Wilmington, and J. R. Clifton, Rolling Hills, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Hydraulic gain control. 2,655,904, Oct. 20.

Strayer, Daniel H., Los Angeles, Calif. Name or directory card holder. 2,659,991, Nov. 24.

Strayer, Lawrence H., Kent, Ohio. Toy sounding flash gun. 2,660,000, Nov. 24.

Strebel, Charles J., Chicago, Ill. Stall cock for milking machines. 2,636,518, Apr. 28.

Streck, Clemens, Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Dyeing of nylon and acetate silk in situ with ice colors. 2,649,353, Aug. 18.

Streed, David D. M., and J. M. Broadhurst, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y. Adhesive composition, structure embodying same and making. 2,650,181, Aug. 25.

Street, Frederick G., Jr., New York, N. Y. High-voltage terminal connector. 2,639,313, May 19.

Streeter-Amet Company, assignee: *See*—
Kennedy, Verne C., Jr.

Streeter, Hale B., Van Nuys, assignor to A. Bontempi, Alhambra, Calif. Razor. 2,648,129, Aug. 11.

Streeter, Ray, Sturgeon, Mo. Self-relocking combination lock. 2,650,491, Sept. 1.

Strehl, Henry O., Chicago, Ill. Food warming means. 2,659,362, Nov. 17.

Strehlow, Walter F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Belt pulley attachment. 2,646,849, July 28.

Streicher, Johann S., East Orange, assignor to Baker & Co., Inc., Newark, N. J. Grain stabilizing metals and alloys. 2,636,819, Apr. 28.

Streit, John E.: *See*—
Dunn, Zessie M., and Streit.

Streng, Frank S., Black Hawk, Colo. Direct gravity recovery gold pan. 2,630,226, Mar. 3.

Streng, Jan, Ridgefield, Conn., assignor to Remington Rand Inc., New York, N. Y. Apronless table and leg fastening therefor. 2,650,148, Aug. 25.

Streng, Jan, Ridgefield, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Electric dry shaver construction. 2,661,531, Dec. 8.

Stresen-Reuter, Fred'k A., Inc., assignee: *See*—
Keyl, Alexander C., and Gells.

Stresen Reuter, John H., Birmingham, and J. T. Karpus, Jr., assignors to Holley Carburetor Company, Detroit, Mich. Pressure ratio sensing device. 2,652,813, Sept. 22.

Streuer, Wilhelm A., Mount Prospect, and E. J. Mastney, Berwyn, Ill., assignors to Oak Mfg. Co. Electric switch. 2,649,512, Aug. 18.

Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Cotton cleaner. 2,639,468, May 26.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal bowl. 2,645,415, July 14.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Seal for centrifugal separators. 2,651,455, Sept. 8.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Clarification of distillery slop and the like. 2,663,718, Dec. 22.

Strezynski, George J., Poughkeepsie, and F. E. Lawatsch, Kingston, assignors to The De Laval Separator Company, Poughkeepsie, N. Y. Rice bran oil process. 2,663,717, Dec. 22.

Striar, Max B., Worcester, Mass. Knitting machine. 2,637,988, May 12.

Stribley, Rexford C.: *See*—
Tinkler, Frank H., Stribley, and Kennedy.

Strickland, Barney R., Westfield, and E. H. Lewis, Union, N. J., assignors to Standard Oil Development Company. Stabilizing catalytically cracked hydrocarbon distillates. 2,631,122, Mar. 10.

Strickland, Thomas M.: *See*—
Dell, Emory L., Jr., and Strickland.

Strickland, William H., Julian, Calif. Fishing rod carrier for vehicles. 2,631,765, Mar. 17.

Stricklen, Walter W., and L. B. Holston, Linwood, Calif. Lawn edger and trimmer. 2,632,990, Mar. 31.

Strickler, Allen, Los Angeles, Calif., and J. H. Teeple, Wausau, Wis., assignors to Celanese Corporation of America, New York, N. Y. Optical thickness gauge. 2,655,073, Oct. 13.

Strickler, Joseph L., Cherryvale, Kans. Casing sealing shoe or boot. 2,646,124, July 21.

Strief, Eugene E., Denver, Colo., assignor to General Electric Company. Hydraulic servo mechanism. 2,639,721, May 26.

Strieter, Frederick P.: *See*—
Saunders, William P., and Strieter.

Striker, Henry O., Detroit, Mich. Automobile ignition device. 2,635,202, Apr. 14.

Stringe, Jack W., Oak Park, Ill. Desk. 2,645,546, July 14.

Stringer, Loren F.: *See*—
Harder, Edwin L., Greenwood, Moore, and Stringer.

Stringfield, Theodore W., Portland, R. F. Stevens, Oswego, L. R. Spaulding, Portland, and W. V. Behrens, Rainier, Oreg., assignors to the United States of America as represented by the Secretary of the Interior. Electric line fault locators. 2,628,267, Feb. 10.

Stringham, Floyd M., Seattle, Wash. Catamenial napkin belt. 2,633,847, Apr. 7.

Stripling, Leslie D., Bay City, Tex. Friction clutch. 2,649,175, Aug. 18.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Counter for shoes. 2,638,689, May 19.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin. 2,645,042, July 14.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Covered sole member. 2,661,548, Dec. 8.

Strnad, James J., assignor to Lempco Products, Inc., Bedford, Ohio. Leveling gauge. 2,627,665, Feb. 10.

Strnad, James J., Bedford, Ohio. Reamer. 2,646,702, July 28.

Strnad, Milan: *See*—
Mikulášek, Libor, and Strnad.

Strobach, William E., Des Moines, Iowa. Sound deadening device for musical instruments. 2,657,609, Nov. 3.

Strobel, Albert F.: *See*—
Williams, William W., and Strobel.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Control and ignition system for fuel burners. 2,625,216, Jan. 13.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw-Fulton Controls Company, Youngwood, Pa. Safety control and ignition apparatus for gaseous fuel burners. 2,628,677, Feb. 17.

Strobel, Howard M., New York, N. Y. Circuit breaker. 2,658,127, Nov. 3.

Strobel, John R.: *See*—
McDonald, Angus, and Strobel.

Strobell, John D., assignor to The Safety Car Heating and Lighting Company, Inc., New Haven, Conn. Air conditioning system. 2,663,155, Dec. 22.

Strobino, Gaston M., Chicago, Ill. Wind instrument. 2,638,027, May 12.

Strobush, Herman J.: *See*—
Swedman, Enoch, and Strobush.

Strocco, Gene, Whitestone, N. Y. Combination spool retainer and thread. 2,630,981, Mar. 10.

Strocco, Gene, Whitestone, N. Y. Combined case and tray structure. 2,631,079, Mar. 10.

Strock, Donn V., assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Leveling device for tin plate feeder platforms. 2,639,784, May 26.

Stroh, Walter J., Franklin Park, Ill., assignor to Zenith Radio Corporation. Coupling device. 2,659,056, Nov. 10.

Stroh, Walter J., Franklin Park, and W. S. Druz, Chicago, Ill., assignors to Zenith Radio Corporation. Intercarrier television receiver. 2,629,769, Feb. 24.

Strohm, Oscar W., Sharpsburg, assignor to Multi-Ring Brake Drum Corporation, Allison Park, Pa. Motor vehicle braking apparatus. 2,661,819, Dec. 8.

Strok, Frank J., Phillips, Wis. Barber's chair with accessories compartments. 2,634,801, Apr. 14.

Strom, Albert P.: *See*—
Wallace, James M., and Strom.

Strom, Albert P., and T. E. Browne, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,648,744, Aug. 11.

Strom, Barney O.: *See*—
Hanna, Delbert L., and Strom.

Strom, David W., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Plunger mounting for turrets. 2,627,105, Feb. 3.

Strom, Ernest: *See*—
Koch, William H.

Strom, Gordon H., C. Lichter, and P. Rusincky, assignors to Automatic Rock-A-Bye, Inc., New York, N. Y. Rocker for infant-carrying devices. 2,649,167, Aug. 18.

Strom, William M.: *See*—
Kieffer, Joseph D., III, and Strom.

Strömberg, Bror W., Stockholm, Sweden. Position indicator. 2,660,719, Nov. 24.

Stromberg-Carlson Company, assignee: *See*—
Clark, Donald L.
Eliot, Warner A., and Erikson.
Elliott, George.
Enslein, Kurt.
Flewelling, Edmund T.
Gleason, Howard S.
Gratian, Joseph W.
Helpert, Louis R., and Appel.
Herrick, Malcolm P.
Holmes, Lynn C.
Kessler, Frank.
Marshall, Joseph F.
Meeker, Willard F., and Slaymaker.
Morris, Frank A.
Mountjoy, Garrard.
Mountjoy, Garrard, and Schafer.
Pharis, William W.
Powell, Winfred T.
Schnepf, William K.
Slaymaker, Frank H., and Meeker.
Trousdale, Robert B.

Strong Cobb & Company, Inc., assignee: *See*—
Albrecht, Robert.

Strong, Cole Y., Albuquerque, N. Mex. Presetting and quick operating valve regulator control. 2,642,083, June 16.

Strong Electric Corporation, The, assignee: *See*—
Hatch, Arthur J.
Strong, Harry H.

Strong, Frank M.: *See*—
Keitt, George W., Leben, and Strong.

Strong, Harry H., assignor to The Strong Electric Corporation, Toledo, Ohio. Lamp having a reflector, two lenses and means to vary the distance between them. 2,650,292, Aug. 25.

Strong, Herbert M., Schenectady, and F. P. Bundy, Alplaus, N. Y., assignors to General Electric Company. Apparatus for measuring flame temperatures. 2,627,202, Feb. 3.

Strong, James S., and W. E. Craig, Philadelphia, and V. T. Elkind, Roslyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of 1,4-dialkyl-2-ketopiperazines. 2,649,450, Aug. 18.

Strong, John D., Baltimore, Md. Method, machine, and tool for lapping dividing heads and gears. 2,646,650, July 28.

Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Combined seat and safety disk element for valves. 2,661,753, Dec. 8.

Stropnicky, Joseph F., Bellerose, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mounting for telephone apparatus. 2,650,789, Sept. 1.

Stross, Fred H.: *See*—
Abrams, Stanley T., and Stross.
Deahl, Thomas J., Stross, and Taylor.

Stross, Fred H., Berkeley, assignor to Shell Development Company, Emeryville, Calif. Water resistant grease. 2,625,508, Jan. 13.

Stross, Fred H., and S. T. Abrams, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Grease compositions. 2,635,078, Apr. 14.

Stross, Fred H., and S. T. Abrams, Berkeley, and W. H. Peterson, Richmond, assignors to Shell Development Company, San Francisco, Calif. Grease compositions. 2,638,869, Nov. 10.

Strother, Corneille O.: *See*—
Wagner, George H., and Strother.

Strother, Fred P., Old Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Indicating and recording device for yarn diameters. 2,641,960, June 16.

Strotman, Benjamin J.: *See*—
Peters, Amandus, Forbach, and Strotman.

Stroup, Charles L., Oak Park, Ill. Circuit interrupter. 2,628,269, Feb. 10.

Stroup, Clinton E., Mansfield, Pa. Barbers' and beauticians' neck duster. 2,657,410, Nov. 3.

Stroup, Philip T., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing and brazing alloy. 2,659,138, Nov. 17.

Strub, Richard: *See*—
De Stadelhofen, Jean M., Müller-Strobel, Patry, and Strub.

Struckmann, Holger, Bethlehem, Pa. Kiln. 2,657,033, Oct. 27.

Strumbos, William P., Detroit, Mich. Cigarette lighter. 2,643,535, June 30.

Strunk, Edward, Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for stripping fluid type catalysts. 2,637,633, May 5.

Struthers, Donald K., and G. W. Schroeder, Des Moines, Iowa. Control for tractor mounted manure loaders. 2,638,237, May 12.

Struthers Wells Corporation, assignee: *See*—
Long, Charles A.

Strybel, Edward J., assignor to Campbell and Company, Cincinnati, Ohio. Support for bed framework. 2,639,443, May 26.

Stryker, Charles R.: *See*—
Kirkpatrick, Alan F., and Stryker.

Stryker, Garrett B., Fullerton, assignor to Hunt Foods, Inc., Los Angeles, Calif. System of can transfer. 2,640,639, June 2.

Stryker, Garrett B., Fullerton, assignor to Hunt Foods, Inc., Los Angeles, Calif. Retort basket loader. 2,658,651, Nov. 10.

Stuart, Alfred A., Ridgewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. True air speed indicator of the ionization type. 2,632,326, Mar. 24.

Stuart, Archibald P.: *See*—
Johnson, Herbert L., and Stuart.

Stuart, David O., Homewood, Ill., and R. W. Mecklin, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Wrench socket. 2,631,485, Mar. 17.

Stuart, James L., Sewickley, Pa. Valveless pulse jet engine. 2,639,580, May 26.

Stuart, Jasper C., deceased (L. O. Stuart, administratrix), and G. D. Darnell, Hoisington, Kans. Winch-operated hoist truck. 2,647,013, July 28.

Stuart, John R., Farwell, Mich. Bird dog training device. 2,642,036, June 16.

Stuart, Kenneth E., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Means for sealing joints in pressure containers. 2,644,611, July 7.

Stuart, Lee O., administratrix: *See*—
Stuart, Jasper C., and Darnell.

Stuart, Murray H.: *See*—
Zabriskie, Arthur E., and Stuart.

Stuart, Robert J., and A. D. Gunderson, assignors to George Gorton Machine Co., Racine, Wis. Apparatus for the production of integral blade turbine wheels and the like units. 2,645,161, July 14.

Stuart, Robert J., Waukegan, Ill., and A. D. Gunderson, assignors to George Gorton Machine Co., Racine, Wis. Cutter spindle and feed mechanism therefor. 2,658,423, Nov. 10.

Stubau, Carl J., Cleveland, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Rotary impeller pump. 2,625,112, Jan. 13.

Stubelek, Zygment, Southampton, N. Y. Fowl scalding machine. 2,642,618, June 23.

Stubler, Raymond A., Las Vegas, Nev. Pivoted tire bead loosening tool with diametrically and axially opposed pressure elements. 2,628,669, Feb. 17.

Stubnitz-Greene Spring Corporation, assignee: *See*—
Smith, Charles C.
Stubnitz, Maurice.

Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Seat spring. 2,642,929, June 23.

Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Seat bottom spring. 2,642,930, June 23.

Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Seat back spring. 2,649,895, Aug. 25.

Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Spring seat cushion. 2,649,896, Aug. 25.

Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Spring and air cushion seat. 2,649,897, Aug. 25.

Stuck, Harold D., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Process of manufacturing compound cutting machine knives. 2,629,677, Feb. 24.

Stuck, Harold D., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Removable grinding lining for Jordan engines. 2,633,778, Apr. 7.

Studders, Robert J., Schenectady, N. Y., assignor to General Electric Company. Composite sintered metal powder article. 2,652,520, Sept. 15.

Studebaker Corporation, The, assignee: *See*—
Bushong, Harry F.
Churchill, Harold E.
French, Charles W.
Handy, Ralph L.
Hasbany, Woodrow A.
Rerick, Albert H., and Kellogg.

Studebaker, David E.: *See*—
Studebaker, Robert H. and D. E.

Studebaker, Merton L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pelleting of carbon black. 2,642,343, June 16.

Studebaker, Merton L., Bartlesville, Okla., and J. E. Crouch, Borger, Tex., assignors to Phillips Petroleum Company. Apparatus for pelleting carbon black. 2,638,625, May 19.

Studebaker, Robert H., Dayton, and D. E. Studebaker, Tipp City, Ohio. Trailer hitch. 2,639,160, May 19.

Studer, Frank J.: *See*—
Cusano, Dominic A., and Studer.

Studler, Aurele A., Glendale, Calif. Massaging roller. 2,647,509, Aug. 4.

Stueber, Grant E.: *See*—
Morningstar, Marion G., Schollenberger, and Stueber.

Stuebner, Arthur, La Porte, Ind. Stock pusher. 2,657,933, Nov. 3.

Stuellein, William H.: *See*—
MacNeil, John B., Stuellein, and Horn.
Tremblay, Bernard G., and Stuellein.

Stuer, Joseph, Lawrence, Mass. Multiple shuttle loom with electrical control devices. 2,634,765, Apr. 14.

Stuetzer, Otmar M., Springfield, Ohio. Transconductor employing line type field controlled semiconductor. 2,657,345, Oct. 27.

Stuivenberg, Cornelis H., Haarlem, Netherlands. Process and apparatus for analyzing cards. 2,638,842, May 19.

Stuivenberg, Cornelis H., Haarlem, Netherlands. Apparatus for collating punched cards. 2,648,222, Aug. 11.

Stuivenberg, Cornelis H., Haarlem, Netherlands. Checking device for perforator and perforator tapes. 2,660,888, Dec. 1.

Stull, John S., assignor to Illinois Tool Works, Chicago, Ill. Screw-holding and screw-driving tool. 2,625,967, Jan. 20.

Stull, Keefer S., Jr., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Reactance system. 2,652,537, Sept. 15.

Stults, William R., Jacksonville, Fla. Drafting table. 2,641,082, June 9.

Stumbock, Max J., South Orange, and W. L. Perrine, Maplewood, assignors to Baker & Co., Inc., Newark, N. J. Bimetallic element. 2,646,615, July 28.

Stumm, Philip W., Oklahoma City, Okla., assignor to the United States of America as represented by the Secretary of Commerce. Shoulder harness for vehicle occupants. 2,634,802, Apr. 14.

Stump, Eugen, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Cooled cylinder head for internal-combustion engines. 2,647,497, Aug. 4.

Stump, Howard D., Center Township, St. Joseph County, Ind. Convertible sewing machine table top structure. 2,631,074, Mar. 10.

Stump, William L.: *See*—
Zettlemoyer, Albert C., Walker, and Stump.

Stumpf, Lucille, assignee: *See*—
Hudlow, Clair W.

Sturdevant, Mortimer B.: *See*—
Fischer, Paul E., and Sturdevant.

Sturdivant, Robert, Nashville, Tenn. Rope locking pulley assembly. 2,638,184, May 12.

Sturgess Inc., assignee: *See*—
Cushman, Clifford E.

Sturgis, Robert P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Pipe flange connection. 2,645,506, July 14.

Sturhahn, Edward M., Washington, D. C. Indicating device for medicine bottles. 2,625,131, Jan. 13.

Sturm, Robert H., assignor to Cosmocord Plastics Limited, Enfield, England. Phenol-aldehyde-ketone resins. 2,640,043, May 26.

Sturm, Ruger and Company, Inc., assignee: *See*—
Ruger, William B.

Sturmer, Robert L., assignor to Nelson Specialty Corporation, San Leandro, Calif. Automatic snap-acting fluid pressure inflator. 2,638,113, May 12.

Sturtevant, Fred W.: *See*—
Tuttle, Richard H., MacIsaac, and Sturtevant.

Sturtevant, Mark J., St. Clair Shores, Mich., assignor to Wingfoot Corporation, Akron, Ohio. Salvage pontoon. 2,635,574, Apr. 21.

Sturtevant, Mark J., St. Clair Shores, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle sill mat. 2,657,948, Nov. 3.

Sturtz, William J., Los Angeles, Calif. Fuel mileage indicator. 2,649,709, Aug. 25.

Sturwold, Arthur J., Chicago, Ill. Trailer hitch. 2,628,106, Feb. 10.

Sturwold, Arthur J., Chicago, Ill. Collapsible shower. 2,634,425, Apr. 14.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,636,144, Apr. 21.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,636,145, Apr. 21.

Stutz, Robert C., Buffalo, assignor to Niagara Blower Company, New York, N. Y. Liquid-to-liquid heat exchanger. 2,661,934, Dec. 8.

Stutzman, Milo J., Kansas City, Mo., assignor to Olin Industries, Inc., East Alton, Ill. Classifying iron shot. 2,658,616, Nov. 10.

Styles, Earl E., assignor to The Otsego Log Cabin Company, Gaylord, Mich. Building wall corner joint. 2,662,252, Dec. 15.

Styles, Oda C., Stockton, Calif. Jointer for circular saws. 2,642,758, June 23.

Stylofede Corporation, assignee: *See*—
Robbins, Jesse J.

Styrén, Knut O. I., Malarhojden and H. Jeffersson, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Variable resistance signaling system. 2,661,395, Dec. 1.

Suben, Morten, Bronx, assignor of one-half to Max Caplan, Flushing, N. Y. Extensible luggage. 2,635,721, Apr. 21.

Süberkrüb, Franz A., Hamburg, Germany. Ship propulsion gear. 2,661,633, Dec. 8.

Sublette, William M., Monrovia, Calif. Automatic differential gear transmission. 2,625,840, Jan. 20.

Subluskey, Lee A., assignor to Hercules Powder Company, Wilmington, Del. Preparation of nitrilotripropionamide. 2,663,733, Dec. 22.

Submerged Combustion Company of America, Inc., assignee: *See*—
Mayus, Eugene, and See.

Suchan, Charles L., Fremont, Nebr. Hinged light bulb protector. 2,640,147, May 26.

Sucher, Joseph R., Woodmere, assignor to Emsig Manufacturing Company, New York, N. Y. Compression molding plastic materials. 2,652,597, Sept. 22.

Suchy, Charles T., Austerlands, Kingston Hill, England. Electrical heating element. 2,631,219, Mar. 10.

Suchy Holdings Limited, assignee: *See*—
McAuley, David J., Richards, and Clark.

Suciu, Mary, Fostoria, Mich. Cardholder. 2,652,647, Sept. 22.

Suckle, Benjamin W., Philadelphia, Pa. Sign for displaying house numbers. 2,636,300, Apr. 28.

Sudan, Eugene: *See*—
Wright, John G., Toney, Watkins, Sudan, and Maxwell.

Sudbeaz, Steve, New York, N. Y. Combined cap and dispenser for perfume bottles. 2,641,788, June 16.

Sudia, Frank, Jr., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making molds. 2,652,609, Sept. 22.

Sudlow, Edmund W., assignee: *See*—
Fuller, Leonard.
Fuller, Leonard, and Szper.

Sudman, Israel H.: *See*—
MacNichol, Edward F., and Sudman.

Sudworth, James: *See*—
Meredith, Frederick W., Sudworth, Meredith, and Righton.

Sueddeutsche Kalkstickstoff-Werke A. G., assignee: *See*—
Kaess, Franz, and Doehlemann.
Kaess, Franz, Doehlemann, and Vogel.

Suen, Tzeng J.: *See*—
Daniel, John H., Landes, and Suen.
Woodling, William M., and Suen.

Suen, Tzeng-Jiueq, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Acid-resistant wet strength paper. 2,639,242, May 19.

Suen, Tzeng J., and A. M. Schiller, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Modifiers for synthetic resin molding compositions and producing the same. 2,637,713, May 5.

Suen, Tzeng J., Stamford, Conn., and A. M. Schiller, Astoria, assignors to American Cyanamid Company, New York, N. Y. Aminoalkane sulfuric acid modified ureaformaldehyde resins and preparing same. 2,646,419, July 21.

Suerken, Maxwell C., assignor to Lamac Process Company, Erie, Pa. Shoe cementing press. 2,654,104, Oct. 6.

Sueskind, Ralph H., Forest Hills, N. Y. Cups for frozen pops. 2,632,708, Mar. 24.

Suesserott, Charles F., West Caldwell, N. J., assignor to General Electric Company. Thermostatic control for heating systems. 2,630,273, Mar. 3.

Sueur, René, Paris, H. Welker, and H. Mataré, Vaucresson, and B. Bethge, Fontenay sous Bois, assignors to Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse, Paris, France. Asymmetrical conductive element. 2,625,592, Jan. 13.

Sugano, Genji, Buenos Aires, Argentina. Device for automatic honey extraction from combs. 2,631,307, Mar. 17.

Sugarbaker, Everett D., Jefferson City, Mo. Surgical clamp. 2,638,901, May 19.

Sugarman, Benjamin, assignee: *See*—
Nineberg, Edward.

Suggs, Alfred M., Indianapolis, Ind., and R. S. Dean, Washington, D. C., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrode for electrochemical oxidation. 2,636,856, Apr. 28.

Sugiura, Mutsuo: *See*—
Uji, Tatsuro, Sugiura, and Fukami.

Suhr, Fred W., Fort Wayne, Ind., and M. W. Hellar, Jr., Schenectady, N. Y., assignors to General Electric Company. Motor testing device. 2,626,307, Jan. 20.

Suhr, Frederick W.: *See*—
Jenson, Kenneth S., and Suhr.

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Double-wall portable shelter. 2,649,101, Aug. 18.

Sukoff, Louis, Jamaica, assignor to Imperial Paper Box Corporation, Brooklyn, N. Y. Phonograph record housing. 2,624,646, Jan. 6.

Sulc, Bedrick, Prince George, Va. Boring bit guide. 2,641,147, June 9.

Sulfrian, Gerard F., Plainfield, N. J., and H. S. Jacket, Brooklyn, N. Y., assignors to Hofman Laboratories, Inc., Newark, N. J. Liquid helium container with insertable heat exchanger. 2,648,953, Aug. 18.

Sulich, John, Jr., Endicott, and J. E. Frederick, Johnson City, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype photoprinting material. 2,662,013, Dec. 8.

Sullins, Albert E., Ottawa, Kans. Car washing glove with water supply means. 2,663,890, Dec. 29.

Sullivan, Cecil J., and W. B. Wright, Modesto, Calif. Thumb guide shear handle. 2,640,264, June 2.

Sullivan, Donal E., Washington, D. C. Sine wave shock tester. 2,662,392, Dec. 15.

Sullivan, Earle C., Bridgeport, Conn., assignor to General Electric Company. Time control means for electrically heated cooking receptacle. 2,657,300, Oct. 27.

Sullivan, Edmund T.: *See*—
Anderson, Nelson E., and Sullivan.

Sullivan, Frank A., assignor to The Tri-Homo Corporation, Salem, Mass. Dispersion mill. 2,654,541, Oct. 6.

Sullivan, Frederick, Wilmington, assignor to Arthur D. Little, Inc., Cambridge, Mass. Electropolishing sterling silver. 2,661,330, Dec. 1.

Sullivan, Frederick W., Jr., Madison, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Catalytic conversion of carbon monoxide and hydrogen to hydrocarbons, oxygenated hydrocarbons, and the like. 2,626,275, Jan. 20.

Sullivan, Frederick W., Jr., Summit, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of olefin oxides. 2,628,965, Feb. 17.

Sullivan, George H., Baldwinsville, assignor to Frozen Food Foundation, Inc., Syracuse, N. Y. Insulated container for delivery of frozen foods. 2,632,311, Mar. 24.

Sullivan, Goodrich M., assignee: *See*—
Herron, Charles.

Sullivan, Irvin J., Culdesac, Idaho. Cam operated target image having an irregular movement. 2,644,884, July 7.

Sullivan, John L., Seattle, Wash., assignor, by mesne assignments, to Comb-A-Flea Co., Inc. Powder dispensing comb. 2,626,617, Jan. 27.

Sullivan, Marie-Jo, Detroit, Mich., and C. K. Banks, Westfield, N. J., assignors to Parke, Davis & Company, Detroit, Mich. Aromatic hydroxy acid compounds and producing the same. 2,633,470, Mar. 31.

Sullivan, Mary R., and G. W. Houk, deceased; F. R. Houk and N. S. Talbott, administrators, assignors to Dayton Aircraft Products, Inc., Dayton, Ohio. Static wick discharger. 2,631,189, Mar. 10.

Sullivan, Michael, Youngstown, Ohio. License tag holder. 2,648,150, Aug. 11.

Sullivan, Milton A., assignor to American Enka Corporation, Enka, N. C. Filter. 2,661,845, Dec. 8.

Sullivan, Philip J., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Bubble cap assembly. 2,645,468, July 14.

Sullivan, Raymond H.: *See*—
Contant, Peter R., and Sullivan.

Sullivan, Raymond H., and P. R. Contant, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Electric clock. 2,631,423, Mar. 17.

Sullivan, Robert, Teddington, A. Y. Glendinning, Feltham, England, and L. M. Read, Llandaff, Cardiff, Wales, assignors to British Resin Products Limited, London, England. Apparatus for the continuous milling of plastics. 2,652,590, Sept. 22.

Sullivan, Robert P.: *See*—
Shepard, Berger M., and Sullivan.

Sullivan, Timothy J., assignor to Sullivan Valve and Engineering Company, Butte, Mont. Safety cutoff valve. 2,637,331, May 5.

Sullivan Valve and Engineering Company, assignee: *See*—
Sullivan, Timothy J.

Sullivan, William E., Springfield, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Adjustable lawn mower handle bracket construction. 2,658,322, Nov. 10.

Sullivan, William F., Roseland, and I. M. Panik, Elizabeth, N. J., assignors to National Lead Company, New York, N. Y. Solution for treatment of fibrous cellulosic materials. 2,658,000, Nov. 3.
Sulphite Products Corporation, assignee: *See*—
Pearl, Irwin A.
Sult, Leonard W.: *See*—
Geyer, Wallace T., Learn, and Sult.
Sultan, Max, Brooklyn, N. Y. Self-releasing lock control. 2,653,047, Sept. 22.
Sultanik, Leib and Sam, Brooklyn, N. Y. Paint applying device. 2,630,592, Mar. 10.
Sultanik, Sam: *See*—
Sultanik, Leib, and S.
Sulzberger, Marion B., A. Kanof, and R. L. Baer, New York, N. Y. Chloramide skin protecting ointment. 2,630,399, Mar. 3.
Sulzer Frères, Societe Anonyme, assignee: *See*—
Moessinger, Albert.
Pfarrwaller, Erwin.
Traupel, Walter.
Sulzer, Georg, assignor to Ciba Limited, Basel, Switzerland. Catalysts for the hardening of artificial resins and their use in the textile industry. 2,653,921, Sept. 29.
Sulzer, Georg, assignor to Ciba Limited, Basel, Switzerland. Treating wool. 2,663,616, Dec. 22.
Sulzer, John H.: *See*—
Butterfield, Louis B., and Sulzer.
Suma, James F., Chicago, Ill. Hydraulic valve gauge. 2,642,673, June 23.
Sumerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Resolving emulsions. 2,662,062, Dec. 8.
Summerbell, William E., Washington, D. C. Threadless retainer. 2,646,713, July 28.
Summerhayes, Harry R., Jr., Schenectady, and E. D. Cook, Scotia, N. Y., assignors to General Electric Company. Microwave protective system. 2,660,718, Nov. 24.
Summerill, Robert J.: *See*—
Meunier, Paul L., and Summerill.
Summerlin, Frederick A.: *See*—
Sedgfield, Hugh B., Summerlin, and Kyte.
Summerour, Marion A.: *See*—
Watts, John J., and Summerour.
Summers, Andrew, Jr., assignee: *See*—
Jones, William S.
Summers, Arnold R.: *See*—
Summers, Thelma E., and A. R.
Summers, Caleb E., Orchard Lake, Mich. Means for vaporizing the liquid portions of the fuel charge of internal-combustion engines. 2,633,114, Mar. 31.
Summers, Edward C., Janesville, Wis. Producing flocked designs. Re. 23,741, Nov. 17.
Summers, Edward C., Janesville, Wis. Producing flocked designs. 2,636,837, Apr. 28.
Summers, Gerald C., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Square wave pulse generating system. 2,644,130, June 30.
Summers, Kenneth A., Los Angeles, Calif. Line feeder for high-pressure oil wells. 2,630,180, Mar. 3.
Summers, Thelma E., and A. R., Leewood, Kans. Skirt hoop. 2,635,249, Apr. 21.
Summers, Thomas O., Jr., Los Angeles, Calif. Gyro-controlled servomotor. 2,635,836, Apr. 21.
Summers, Thomas O., Jr., Sherman Oaks, Calif. Gyroscopic navigational instrument. 2,635,469, Apr. 21.
Summers, William J., assignor to L. A. Durant, Chicago, Ill. Counting device. 2,636,680, Apr. 28.
Summers, William J., assignor to General Patent Corporation, Chicago, Ill. Switch mechanism for coin selectors of the gravity-feed type. 2,651,697, Sept. 8.
Summersgill, Joseph F., Maughold, Isle of Man. Hinge. 2,655,686, Oct. 20.
Summerville, Donald V., Fort Erie, Ontario, Canada. Releasable conduit connection with automatic valving. 2,628,850, Feb. 17.
Summit Trust Company, The, executor: *See*—
Matheson, George L.
Sumner, Charles R., Chandler, Ariz. Screw removing tool. 2,657,602, Nov. 3.
Sumner Iron Works, assignee: *See*—
Flateboe, Einar I.
Sumner, Lawson D., Lake George, Colo. Pin fastener. 2,644,211, July 7.
Sumners, Sumner J., and U. W. Fraser, Los Angeles, Calif. Automatic vehicle parking system. 2,656,940, Oct. 27.
Sumpter, Walter F.: *See*—
Bieber, Clarence G., and Sumpter.
Sun Chemical Corporation, assignee: *See*—
Armatys, Edward F.
Horn, Edward N., and Samko.
Mullin, David W.
Praeg, Delbert H.
Young, Wilbur A., and Zaborski.
Zerner, Ernst, and Pollock.
Sun Oil Company, assignee: *See*—
Aston, Herbert P.
Bagsar, Aaron B.
Bowen, Frank W.
Boyer, Jackson S.
Chaney, Preston E., and Barnes.
Davis, William H.
Sun Oil Company, assignee: *See*—Continued.
Dougherty, Patrick F., and Magill.
Ferris, Seymour W.
Hadley, Raymond F., Daugherty, and Young.
Hall, Chester L.
Harper, James I.
Henson, Robert L.
Hill, Claude I.
Hodges, James W.
Johnson, Ford L., and Mayes.
Johnson, Herbert L., and Stuart.
Jolly, Samuel E.
Jones, Jack W.
Kennedy, Robert M.
Kennedy, Robert M., and Donnell.
Kennedy, Robert M., and Schneider.
La Porte, Walter N.
Leutz, Koerner E.
Liddell, George J.
McClure, William L.
McClure, William L., and Pim.
Millington, John W.
Mills, Ivor W., and Johnson.
Musante, Augustine F. S.
Pearson, John M.
Peters, Harry F.
Quist, Harold A.
Reese, George E., and Larkin.
Rommel, Richard H.
Schneider, Abraham.
Sweely, James S.
Thompson, Norman.
Yetter, Edward W.
Sun Products Company, assignee: *See*—
Kampf, Friedrich, and Uthemann.
Sun Rubber Company, The, assignee: *See*—
Beltz, George W.
Fenton, Frank.
Martin, Henry, and Rekettye.
Molitor, Robert P.
Rekettye, Paul.
Sunbeam Corporation, assignee: *See*—
Bartlett, Edwin S.
Browning, George.
Graham, Bernard A., and Jepson.
Jepson, Ivar.
Purpura, August C.
Sunday, James J., assignor to Minno-Life Corporation, Detroit, Mich. Combined air pump and cushion. 2,664,241, Dec. 29.
Sundberg, Robert L., Phillipsburg, N. J., C. P. Albus, Easton, Pa., and J. M. Cross, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Corrosion inhibitor composition. 2,649,415, Aug. 18.
Sundbom, Carl S., and C. V. Winquist, assignors to Mill Engineering & Supply Co., Seattle, Wash. Built-up crankshaft for reciprocating machinery. 2,643,145, June 23.
Sunde, Conrad J., Garden City, assignor to N. I. Malmstrom & Company, Brooklyn, N. Y. Sulfurized fatty and waxy materials. 2,629,721, Feb. 24.
Sundeen, Roy C., Lakewood, Ohio, assignor to Union Carbide and Carbon Corporation. Anode for primary galvanic cell. 2,648,718, Aug. 11.
Sunderhauf, Frederick A., Summit, and J. C. O'Hear, Union, N. J. Roll apparatus for localized embossing. 2,639,660, May 26.
Sunderhauf, Frederick A., Summit, and J. C. O'Hear, Union, N. J. Embossing rolls. 2,662,002, Dec. 8.
Sunderland, Louis, Company, assignee: *See*—
Sunderland, Louis, Fiorine, and Berger.
Sunderland, Louis, and E. Fiorine, Elkins Park, and I. I. Berger, assignors to Louis Sunderland Company, Philadelphia, Pa. Overcoat. 2,651,041, Sept. 8.
Sundheim, Peter J., Buffalo, N. Y. Sander for automotive vehicles. 2,625,417, Jan. 13.
Sundholm, Edwin P., Albert City, Iowa. Producing discharge heads and handle supports for barrel pumps. 2,642,653, June 23.
Sundholm, Edwin P., assignor to Our Savior's Evangelical Lutheran Church, Albert City, Iowa. Grease gun loading pail base for grease containers with cutter and interlock means for said containers. 2,643,044, June 23.
Sundholm, Edwin P., Albert City, Iowa. Flower-plate for lubricant containers and the like. 2,660,491, Nov. 24.
Sundholm, Norman K., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Production of organic sulfonyl hydrazides. 2,640,853, June 2.
Sundstrand Machine Tool Co., assignee: *See*—
Buell, Timothy B., and Leber.
Cleveland, Donald M.
Johns, Wilfred E.
Kiefer, William R.
Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation. Total taking means for typewriter-computers. 2,625,324, Jan. 13.
Sundstrom, Carl, and P. L. Fairbanks, Syracuse, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Photosensitive detection apparatus. 2,639,418, May 19.
Sunkel, Carl L., Baltimore, Md. Applying decoration and indicia to edible foods. 2,624,277, Jan. 6.

Sunkist Growers, Inc., assignee: *See*—
Hull, Robert R.
Sun-Maid Raisin Growers of California, assignee: *See*—
Voller, James P.
Sunnen, Joseph, Clayton, Mo. Balancing device for high-speed honing machines. 2,638,721, May 19.
Sunnen, Joseph, Clayton, Mo. Valve guide driver. 2,640,256, June 2.
Sunnen, Joseph, Clayton, Mo. External honing device. 2,649,663, Aug. 25.
Sunnen, Joseph, Clayton, Mo. Honing machine. 2,649,664, Aug. 25.
Sun Ray Electric, Inc., assignee: *See*—
Dremann, Walter J., and Dunham.
Sunroc Refrigeration Company, assignee: *See*—
Morrison, Samuel O.
Webrwein, John G.
Sunshine Waterloo Co. Limited, assignee: *See*—
Beynon, John O.
Sunstein, David E., Cynwyd, assignor to Philco Corporation, Philadelphia, Pa. Logarithmic transducer. 2,662,978, Dec. 15.
Sunstein, David E., Cynwyd, assignor to Philco Corporation, Philadelphia, Pa. Object location system employing logarithmic transducer. 2,663,015, Dec. 15.
Sunstein, David E., Cynwyd, and A. C. Munster, Hatboro, assignors to Philco Corporation, Philadelphia, Pa. High impedance power supply. 2,658,117, Nov. 3.
Sunstrom, Harold P.: *See*—
Guise, Arthur B., and Sunstrom.
Sunvic Controls Limited, assignee: *See*—
Ashe, Thomas S.
Suozzo, John, Paramus, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dispatching system for elevator cars. 2,634,827, Apr. 14.
Super Glove Company, The, assignee: *See*—
Newhower, Leo.
Super Manufacturing Corp., assignee: *See*—
Sheehan, Patrick J.
Super Mold Corporation of California, assignee: *See*—
Glynn, Edwin A.
Super, Ralph K.: *See*—
Williams, Ivor H., and Super.
Super-Cut, Inc., assignee: *See*—
Metzger, Leopold H.
Superduction, Inc., assignee: *See*—
Hodgins, Donald R.
Superior Coach Corporation, assignee: *See*—
Donathan, Francis E.
Runkle, George L., and Cox.
Schofield, Earl L.
Superior Concrete Accessories, Inc., assignee: *See*—
Hillberg, Bror.
Superior Hand Brake Co., assignee: *See*—
Templeman, John P.
Superior Oil Company, The, assignee: *See*—
Magor, Stuart F., and Daugherty.
Superior Rubber Mfg. Co., assignee: *See*—
Wood, Charles J.
Superior Sleeprite Corporation, assignee: *See*—
Wallen Frank.
Wodarsky, John J.
Superior Steel Corporation, assignee: *See*—
Keene, Walter L.
Superior Steel Products Corp., assignee: *See*—
Janiszewski, Kasimir.
Superior Sugar Extraction, Inc., assignee: *See*—
Langen, Eugen.
Superior Sugar Refining Company, assignee: *See*—
Bishop, Alfred E.
Superior Switchboard & Devices Company, The, assignee: *See*—
Alexander, Harry B.
Supersite Corporation, assignee: *See*—
Reed, Daniel E.
Super Speed Printing Machinery, Inc., assignee: *See*—
Adrian, Joseph.
Suppers, Hobart G.: *See*—
Acock, George W., Suppers, and Voorhees.
Supreme Knitting Machine Co., Inc., assignee: *See*—
Misheon, Samuel, and Agulnek.
Supy, Marvin F.: *See*—
Hicks, John N., Supy, and McDavid.
Surenda, Frank J., Freedom, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Clamp comprising two elements jammed on a rail. 2,634,079, Apr. 7.
Surface Combustion Corporation, assignee: *See*—
Cone, Carroll, and Dailey.
Cone, Carroll, and Huebler.
Hepburn, William M.
Heyn, Henry M.
Hughes, George E.
Hughes, George E., and Saurborn.
Knight, Philip L.
Munford, Theodore W.
Nesbitt, John D.
Peters, Arthur W.
Suring, Everett C., Gillett, Wis. Fly rod and reel case. 2,650,449, Sept. 1.
Surles, Donald C., Cisco, Tex. Vertically movable vehicle door structure. 2,651,541, Sept. 8.
Surprenant Mfg. Co., assignee: *See*—
Alexander, Donald C.
Surre, François E., Paris, France. Diaphragm pump and compressor. 2,662,478, Dec. 15.
Surrey, Alexander R., Albany, assignor to Sterling Drug Inc., New York, N. Y. Preparation of 2-substituted-3-ureido-4-thiazolidones, 1-dioxide derivatives thereof. 2,647,905, Aug. 4.
Surrey, Alexander R., Albany, assignor to Sterling Drug Inc., New York, N. Y. 2-(halo-phenyl)-4-thiazolidone-1-dioxides and their preparation. 2,647,906, Aug. 4.
Surrey, Alexander R., and R. K. Bair, Albany, assignors to Sterling Drug Inc., New York, N. Y. 9-(2,3-dihydroxypropylaminoethylamino)-acridines and their preparation. 2,647,900, Aug. 4.
Sussebach, Walter: *See*—
Grebe, Otto, and Sussebach.
Susser, Herbert, executor: *See*—
Schmidt, Paul.
Sussin, David, South Fort Mitchell, and H. S. Ware, Fort Mitchell, Ky., assignors to Kelcket X-Ray Corporation, Cincinnati, Ohio. X-ray apparatus. 2,653,246, Sept. 22.
Sussman, Philip A., assignee: *See*—
Miller, Joseph J.
Sutcliffe Speakman & Company Limited, assignee: *See*—
Edwards, William E.
Sutcliffe, William G.: *See*—
Knowles, John H., and Sutcliffe.
Suter, George D., assignor to Globe-Union Inc., Milwaukee, Wis. Seal between metal and ceramic parts. 2,632,431, Mar. 24.
Suter, Hans, Dorflingen, E. Habicht, and W. Kündig, assignors to Cilag Limited, Schaffhausen, Switzerland. Derivatives of N-hydroxymethyl nicotinic acid amide and the production thereof. 2,654,759, Oct. 6.
Suter, Hans, Dorflingen, F. Stocker, Feuerthalen, and H. Zutter, assignors to Cilag Limited, Schaffhausen, Switzerland. Quaternary nicotinic acid amide derivatives and production thereof. 2,660,582, Nov. 24.
Suter, Harold R., Wyandotte, and R. J. Ruff, Detroit, Mich. Catalytic fume incineration. 2,658,742, Nov. 10.
Suter, Henry, Wellesley, Mass. Controllable power source for alternating current blower motors. 2,646,931, July 28.
Suter, Menno R., assignor to Shenandoah Equipment Company, Harrisonburg, Va. Double acting valve. 2,641,276, June 9.
Suter, William: *See*—
Oven, Gerald E., and Suter.
Sutherland, Charles R., Cleveland, Ohio., assignor to The Reliance Electric & Engineering Company. Electric motor for driving a device within a compartment. 2,656,973, Oct. 27.
Sutherland, Daniel M., Morrisville, Pa., assignor to L. M. and D. G. Sutherland, as trustees. Grinding disk. 2,651,976, Sept. 15.
Sutherland, Douglas G., trustee, assignee: *See*—
Sutherland, Daniel M.
Sutherland, Edwin M., and H. W. Albrecht, East Cleveland, Ohio, assignors to the United States of America as represented by the Secretary of the Navy. Electrolytic cell. 2,644,337, July 7.
Sutherland, Frederick F., Cumberland, Md., assignor to Celanese Corporation of America. Fork lift truck. 2,633,260, Mar. 31.
Sutherland, Howell, Durban, Natal, Union of South Africa, assignor to J. Lyons & Company Limited, London, England. Apparatus for winnowing tea. 2,629,491, Feb. 24.
Sutherland, John W., Knoxville, Tenn. Adjustable church pew. 2,627,900, Feb. 10.
Sutherland, Lionel M., trustee, assignee: *See*—
Sutherland, Daniel M.
Sutherland, Lionel M., Morrisville, Pa., assignor to Sutherland Refiner Corporation, Trenton, N. J. Refiner apparatus. 2,654,295, Oct. 6.
Sutherland, Louis W.: *See*—
Buttery, Kenneth T., and Sutherland.
Sutherland, Lyndall L., Peoria, Ill. Advertising and display device. 2,629,954, Mar. 3.
Sutherland Paper Company, assignee: *See*—
Burbank, Wendell T.
Burbank, Wendell T., and Colgren.
Buttery, Kenneth T.
Buttery, Kenneth T., and Sutherland.
Lighter, Stephen.
Stenger, Richard C.
Ullrich, Fred J.
Wood, Wayne A.
Sutherland Refiner Corporation, assignee: *See*—
Sutherland, Lionel M.
Sutherland, William A., Essex Junction, Vt. Tamper-proof identification tag. 2,653,400, Sept. 29.
Sutherland, William A., Essex Junction, Vt. Identification tag. 2,653,401, Sept. 29.
Sutin, Albert E., Toronto, Ontario, Canada. Peg-fastened button. Re. 23,624, Feb. 24.
Sutliff, Wayne N., Bakersfield, Calif. Hydraulic jar. 2,645,459, July 14.
Sutliff, Wayne N., Bakersfield, Calif. Bailer for oil well bores. 2,659,442, Nov. 17.
Sutowski, Walter S., Garfield Heights, Ohio, assignor to Freeway Washer and Stamping Company. Bearing assembly. 2,625,449, Jan. 13.

Sutowski, Walter S., Garfield Heights, Ohio. Fabricating metallic members having portions of different widths. 2,652,620, Sept. 22.

Sutowski, Walter S., Garfield Heights, Ohio. Bearing assembly with dust shields. 2,654,644, Oct. 6.

Sutphin, Elmer E., Pulaski, Va. Bobbin holder for looping machines. 2,628,579, Feb 17.

Sutphin, William H., assignee: *See*—
Hansen, Roy R.

Sutter, Gladys, Culver City, Calif. Garment hanger. 2,649,229, Aug. 18.

Sutter, Lewis F., Hicksville, N. Y. Keying mechanism for clarinets. 2,633,048, Mar. 31.

Suttles, Omar, Los Angeles, Calif. Hot-air circulating attachment for cook stoves. 2,646,787. July 28.

Sutton, Donald E., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Machine for shaving electrotypes, stereotypes, and the like. 2,651,240, Sept. 8.

Sutton, Edwin S., assignee: *See*—
Bell, Thomas A.

Sutton, Irene L.: *See*—
Greenberg, Harry D., and Sutton.

Sutton, Jack H.: *See*—
Pirwitz, Friedrich A., Gustav, G. P., Pirwitz, Sutton, and Schlueter.

Sutton, James M., Long Beach, Calif. Package wrapping apparatus. 2,637,961, May 12.

Sutton, John C., assignor by mesne assignments, to Cellusuede Products, Inc., Rockford, Ill. Bathroom scale construction. 2,664,287, Dec. 29.

Sutton, John H., Los Angeles, Calif. Rotary soil tiller. 2,644,386, July 7.

Sutton, Kenneth E., Greenwood, R. I. Powder dispensing device. 2,631,763, Mar. 17.

Sutton, Myer S., Minneapolis, Minn., assignor to Frez-O-Mat Corporation, Chicago, Ill. Automatic defrosting system for refrigeration machines. 2,662,380, Dec. 15.

Sutton, O. A., Corporation, Inc., The, assignee: *See*—
Jewell, Bernard W.

Sutton, Otis B., Canton, assignor to The Hoover Company, North Canton, Ohio. Nozzle structure for suction cleaning apparatus. 2,658,230, Nov. 10.

Sutton, Otis B., and W. A. Humphrey, Canton, assignors to The Hoover Company, North Canton, Ohio. Suction nozzle with removable wand and illuminating means. 2,637,062, May 5.

Sutton, Reid E.: *See*—
Braithwaite, Charles H., Jr., Martin, and Sutton.

Sutton, Stanford M.: *See*—
Carr, James A., Haskell, Sutton, and Walter.

Suverkrop, Edward A.: *See*—
Corson, John H., Suverkrop, and Lewis.

Suverkrop, Lew, Bakersfield, Calif. Surveying instrument. 2,633,639, Apr. 7.

Suzukawa, Hiroshi, Suginami-Ku, assignor to Canon Camera Company, Ltd., Chuouku, Tokyo, Japan. Flash synchronizer for curtain shutter cameras. 2,643,597, June 30.

Svabek, John E., Jr.: *See*—
Preisinger, Carl M., and Svabek.
Schmidt, Edward G., and Svabek.

Svabek, John E., Jr., assignor to Crane Co., Chicago, Ill. Connection for diaphragm valves. 2,653,788, Sept. 29.

Svanoe, Ferdinand E.: *See*—
Bostrom, Harold W., Grabarczyk, and Svanoe.

Svantesson, Sven, Stockholm, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Welding electrode. 2,635,166, Apr. 14.

Svartviks Aktiebolag, assignee: *See*—
Särenholm, Einar.

Svarz, Jerry J.: *See*—
Sifferd, Robert H., and Svarz.

Svatý, Vladimir, Roztoky, near Jilemnice, assignor of seventy-five per cent to Ceskoslovenske Textilni Zavody, narodni podnik, Prague, Czechoslovakia. Device for weaving of fabrics. 2,662,556, Dec. 15.

Sveinsson, Louis, Baltimore, Md. Sailboat construction. 2,643,628, June 30.

Sveinsson, Louis, Baltimore, Md. Boat construction and control of sails. 2,646,763, July 28

Svenska Aeroplan Aktiebolaget, assignee: *See*—
Lidmalm, Tord N. G., and Bengtsson.

Svenska Aktiebolaget Gasaccumulator, assignee: *See*—
Aversten, Karl J.
Beer, Palle-Finn.

Svenska Flygmotor Aktiebolaget, assignee: *See*—
Persson, Thure A.
Wennberg, Olov C. G.

Svenska Skifferolje Aktiebolaget, assignee: *See*—
Ljungstrom, Fredrik.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Subzero treatment of chromium alloy steel. 2,624,688, Jan. 6.

Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Welding machine and control and actuating mechanism. 2,656,445, Oct. 20.

Svenson, Helge S. G., Villavicencio, Colombia. Jet-propulsion mechanism. 2,633,922, Apr. 7.

Svenson, Raymond C.: *See*—
Gray, Samuel M., and Svenson.

Svensson, Per E., Hagfors, Satra Strand, Sweden. Device for adjusting and operating guides in the procedure of rolling metals. 2,651,225, Sept. 8.

Sverdrup, Edward F.: *See*—
Elgin, Joseph C., and Sverdrup.

Sverdrup, Edward F., assignor to U. S. Rubber Reclaiming Co. Inc., Buffalo, N. Y. Rubber reclaiming apparatus. 2,633,602, Apr. 7.

Svit, narodni podnik, assignee: *See*—
Charvát, Bohumil.
Václavík, Jaroslav and Kopřiva.

Svoboda, Joseph J., Niles, Calif. Boat rack for automobiles. 2,654,515, Oct. 6.

Swaab, Cyril H., Blymhill, near Shifnal, assignor to H. M. Hobson Limited, London, England. Engine control for aircraft. 2,664,166, Dec. 29.

Swadesh, Samuel: *See*—
Dunlop, Andrew P., and Swadesh.

Swafford, Carl R., deceased, late of Philadelphia, Pa., by V. E. Swafford, administrator, Franklin, N. C., assignor to Container Corporation of America, Chicago, Ill. Carton loading machine. 2,662,356, Dec. 15.

Swafford, Verlon E., administrator: *See*—
Swafford, Carl R.

Swaim, Clarence D.: *See*—
Milligan, Charles L., and Swaim.

Swain, Arthur E., East Cowes, and F. H. Robertson, Carisbrooke, Isle of Wight, assignors to Saunders-Roe Limited, East Cowes, Isle of Wight, England. Flying controls for aircraft. 2,652,995, Sept. 22.

Swain, Geoffrey: *See*—
Rose, Francis L., and Swain.

Swain, Harold S.: *See*—
Taber, Frederic H., and Swain.

Swain, Joseph G., assignor to Wingfoot Corporation, Akron, Ohio. Wheel structure. 2,663,592, Dec. 22.

Swain, Kathleen R., assignee: *See*—
Swain, Lloyd S.

Swain, Kenneth W.: *See*—
Edsall, William S., and Swain.

Swain, Lloyd S., assignor to K. R. Swain, Martinsville, Va. Hack saw guard. 2,660,974, Dec. 1.

Swain Nelson Company, assignee: *See*—
Davis, Clinton S.

Swain, William W., Oakland, Calif. Quick action vise. 2,631,483, Mar. 17.

Swainbank, James A., Flushing, N. Y. Combination workbench and drawing table. 2,646,330, July 21.

Swainey, Homer L., Cleveland, Ohio, assignor to Norton Company, Worcester, Mass. Grinding wheel feeding mechanism. 2,639,563, May 26.

Swalinkavich, Joseph E., Jr., Robbinsdale, Minn. Handle for hack saw blades. 2,662,569, Dec. 15.

Swallow Coachbuilding Company (1935) Limited, assignee: *See*—
Straussler, Nicholas.

Swallow, Herbert A., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Process and apparatus for continuous milling of plastic material. 2,645,813, July 21.

Swan, Carl W.: *See*—
De Boo, Jerome L., and Swan.

Swan, Carl W., Skokie, assignor to Teletype Corporation, Chicago, Ill. Range finder for telegraph selectors. 2,624,799, Jan. 6.

Swan, Ernest W., Long Beach, Calif. Combined holder and dispenser for tube contained materials. 2,627,999, Feb. 10.

Swan-Finch Oil Corporation, assignee: *See*—
Bryant, William C.

Swan, William H., Rochester, N. Y. Display box. 2,659,490, Nov. 17.

Swanback, John H., and N. J. Jensen, Omaha, Nebr., assignors, by mesne assignments, to The Globe Company, Chicago, Ill. Overhead switch. 2,657,643, Nov. 3.

Swancott, Walter C.: *See*—
Hayes, Loren A., and Swancott.

Swanger, Alfred T., assignee: *See*—
Swanger, John E.

Swanger, John E., assignor of one-half to A. T. Swanger, Canton, N. C. Moving traffic signal device. 2,632,153, Mar. 17.

Swank, Inc., assignee: *See*—
Cheney, Leslie W.
De Grafft, James L., Jr.
Gosselin, Joseph D.
Marien, Clement S.
Schiller, William G.
Silva, Arthur S.

Swank, Lewis R., Lewiston, Idaho. Hydraulically operated sprinkler. 2,643,643, June 30.

Swann, Edward R., assignor to The Hoover Company, North Canton, Ohio. Converter arrangement for suction cleaners. 2,632,913, Mar. 31.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Gondola car end. 2,626,573, Jan. 27.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Latching means for gondola car drop ends. 2,631,548, Mar. 17.

Swann, James S., Homewood, assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Lading band anchor. 2,655,874, Oct. 20.

Swansen, Theodore L., Milwaukee, Wis., assignor to United Specialties Company, Chicago, Ill. Turbine rotor. 2,631,004, Mar. 10.

Swansick, William B., Hayward, Calif. Apparatus for intercepting primers and the like. 2,660,085, Nov. 24.

Swanson, Alma, Inglewood, and A. F. Heffernan, Hawthorne, Calif. Bobby pin spreader and holder. 2,662,533, Dec. 15.

Swanson, Arden E.: *See*—
Osgood, Arthur B., and Swanson.

Swanson, Arthur, Elsinore, Calif. Mop wringer apparatus. 2,655,681, Oct. 20.

Swanson, Bror W., West Hartford, assignor, by mesne assignments, to A. F., F. A., J. W., and S. G. Kasprow, New Britain, and M. E. Bailey, New Haven, Conn. Motion converter for screw thread comparator. 2,648,137, Aug. 11.

Swanson, Donald E.: *See*—
Bishop, James R. T., and Swanson.

Swanson, Donald F.: *See*—
Ayres, Russell W., and Swanson.

Swanson, Dorothea S., executrix: *See*—
Mahan, Lynn C.

Swanson, Edward W., assignor to Admiral Corporation, Chicago, Ill. Support for sound-reproducing apparatus. 2,642,327, June 16.

Swanson, Edward W., and D. O. Radke, assignors to Admiral Corporation, Chicago, Ill. Supporting mechanism for cabinet doors. 2,643,166, June 23.

Swanson, Edwin C.: *See*—
Mansfield, Judson H., and Swanson.

Swanson, Emery C.: *See*—
Crinkley, Matthew A., and Swanson.

Swanson, George J.: *See*—
Hennessey, Walter F., Jr., and Swanson.

Swanson, Glen E., Pasadena, and E. P. Thias, Hollywood, Calif., assignors to Standard Coil Products Co., Inc., Chicago, Ill. Detector for frequency modulation. 2,634,369, Apr. 7.

Swanson, Harry G.: *See*—
Lundberg, John E., and Swanson.

Swanson, Henry T., Lancaster, Pa., assignor to Radio Corporation of America. Electrophoretic insulating coating. 2,635,995, Apr. 21.

Swanson, Henry T., Lancaster, Pa., assignor to Radio Corporation of America. Hydrogen pressure control for hydrogen filled discharge tubes. 2,640,952, June 2.

Swanson, Hilbert E., Milwaukee, assignor to Unit Crane & Shovel Corp., West Allis, Wis. Brake construction. 2,641,339, June 9.

Swanson, Kenneth P., Abington, assignor, by mesne assignments, to Textile Engineering Corporation, Whitman, Mass. Buffing machine for drawing rolls. 2,644,276, July 7.

Swanson, Leonard, assignor to Swanson Tool & Machine Products, Erie, Pa. Work mounting fixture. 2,625,861, Jan. 20.

Swanson, Melvin L., Mission, S. Dak. Conveyer for corn harvesters. 2,643,759, June 30.

Swanson, Merrill E., Woodbury Heights, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Percussion initiated detonator. 2,652,775, Sept. 22.

Swanson, Norman C., Chetek, Wis. Intake pipe. 2,629,334, Feb. 24.

Swanson, Oscar W., Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Accounting machine having relatively adjustable paper and control carriages. 2,650,759, Sept. 1.

Swanson, Oscar W., assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Poultry shackle. 2,649,616, Aug. 25.

Swanson, Oscar W., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Ribbon spool. 2,640,658, June 2.

Swanson, Oscar W., and E. O. Mossberg, West Hartford, Conn., assignors to Underwood Corporation, New York, N. Y. Constant factor mechanism. 2,630,967, Mar. 10.

Swanson, Robert E., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to Nathan Manufacturing Corp. Sound producing device for signaling purposes. 2,638,070, May 12.

Swanson, Robert E., Vancouver, British Columbia, Canada, assignor, by mesne assignments, to Nathan Manufacturing Corp. Sound producing device. 2,658,470, Nov. 10.

Swanson Tool & Machine Products, Inc., assignee: *See*—
Swanson, Leonard.

Swanson, Willis R.: *See*—
Hyatt, Edwin C., Lyon, and Swanson.

Swanson, Ziegner, De Kalb, Ill. Embouchure arch. 2,637,239, May 5.

Swanstrom, Martin S., Chicago, Ill. Saw frame structure for releasably holding and tensioning saw blades. 2,645,261, July 14.

Swanton, Charles L., North Chili, assignor to General Railway Signal Company, Rochester, N. Y. Railway switch machine controller. 2,644,120, June 30.

Sward, Forrest W., Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Automatic mechanical clearance regulator. 2,662,511, Dec. 15.

Swart, Anna B.: *See*—
Mazee, Willem M., and Swart.

Swart, Gilbert H.: *See*—
Schaffel, Gerson S., and Swart.
Te Grotenhuis, Theodore A., and Swart.

Swart, Gilbert H., assignor to The General Tire & Rubber Company, Akron, Ohio. Reinforced w
2,648,084, Aug. 11.

Swart, Gilbert H., assignor to The General
Rubber Company, Akron, Ohio. Curable com
unsaturated aldehyde polymers and making
2,651,624, Sept. 8.

Swart, Kenneth H., assignor to Security Engin
vision, Whittier, Calif. Hydraulic rotary
2,661,931, Dec. 8.

Swarthout, Stanley H., Rochester, N. Y., a
General Motors Corporation, Detroit, Mich.
motor. 2,629,061, Feb 17.

Swartout, Harold E., Davenport, Iowa. Soil
ing machine. 2,646,736, July 28.

Swarts, Lewis E., Jr., Cambridge, Mass., as
mesne assignments, to the United States o
as represented by the Secretary of War.
2,635,191, Apr. 14.

Swartwout Company, The, assignee: *See*—
Gilliland, Roger L.
Swartwout, Denton K., III, and Gilliland.

Swartwout, Denton K., III, Chagrin Falls, and
liland, Euclid, assignors to The Swartwout
Cleveland, Ohio. Feed water regulation.
Nov. 17.

Swartz, Charles, King City, Calif. Finger re
plication of nail polish. 2,662,534, Dec. 15.

Swartz, George A., Millington, assignor to Iver
pany, Newark, N. J. Crimping apparatus.
Sept. 29.

Swartz, George A., Millington, assignor to Iver
pany, Newark, N. J. Die mounting for cri
machines. 2,653,647, Sept. 29.

Swartz, John W., Dearborn, Mich. Drinking
attachment for faucets. 2,661,237, Dec. 1.

Swartz, Noah A., and D. L. Creager, Pueblo, C
ing device for trucks and vehicles. 2,627,3

Swartz, Ruby J., and J. E. Snyder, assignors t
Corporation, Akron, Ohio. Package which
multiply film enclosure with plasticizer be
plies. 2,635,742, Apr. 21.

Swartz, Saul N., Cambridge, Mass. Furniture
tion. 2,640,202, June 2.

Swartzberg, Irvin, assignee: *See*—
Siegal, Norman A.

Swartzel, Karl D., Amherst, J. Beneke, William
N. J. Waterman, Hamburg, assignors, by me
ments, to Research Corporation, New York,
paratus for aurally presenting guidance in
2,632,881, Mar. 24.

Swasey, Samuel E.: *See*—
Gartner, Stanley J., Swasey, and Dwinell.
Kulberg, August E., Terry, and Swasey.

Sway, Henry C., Bridgeport, Conn., assignor
Electric Company. Dishwashing machine.
Oct. 6.

Sway, Henry C., Louisville, Ky., assignor to Ge
tric Company. Washing machine water in
2,655,024, Oct. 13.

Swayze, Harry E.: *See*—
Easley, John A., and Swayze.

Swazy, Earl F., R. H. Freyer, and L. S. Busch,
by mesne assignments, to Mallory-Sharon Tit
poration, Indianapolis, Ind. Titanium base
taining silicon. 2,661,286, Dec. 1.

Swearingen, George H., Louisville, Ky. Toba
2,660,995, Dec. 1.

Swearingen, Paul R., Kensington, assignor to
man, Jr., Salem, Ohio. Shoulderless garment
porter. 2,649,587, Aug. 25.

Swearingen, Paul R., Kensington, Ohio. Apron
matically adjustable belt. 2,655,659, Oct. 2

Sweco Products, Inc., assignee: *See*—
Forgett, Valmore J.

Swed, James P.: *See*—
Schmitt, Robert A., Swed, and Williams.

Swed, James P., Gibbstown, N. J., assignor t
Pont de Nemours & Company, Wilmington,
sure device. 2,648,282, Aug. 11.

Swedish Crucible Steel Company, assignee: *See*
McElligott, Edward M.

Swedman, Enoch, and H. J. Strobush, assignor
Refrigerator Company, St. Paul, Minn. Se
for refrigerator display cases. 2,652,305, Se

Sweely, James S., Swarthmore, assignor to Su
pany, Philadelphia, Pa. Polymerization of
1,3 compound. 2,664,415, Dec. 29.

Sweeney, B. K., Manufacturing Company, assig
Able, Edward T.
Able, Edward T., and Krieger.
Sweeney, John F., Able, and MacKay.

Sweeney, Frank J.: *See*—
Frisch, Nat, and Sweeney.

Sweeney, John F., E. T. Able, and I. A. MacKay
to B. K. Sweeney Manufacturing Compan
Colo. Wrench for use with an airplane
2,638,026, May 12.

Sweeney, Joseph L.: *See*—
Henze, Otto C. W., and Sweeney.

Sweeney, Melvin P., Hanford, Calif. Dental impression tray. 2,657,461, Nov. 3.
Sweeny, Alfred A., Denver, and M. F. Sweeny, Silt, Colo. Teletypewriter. 2,653,997, Sept. 29.
Sweeny, Charles P.: *See*—
Beaver, Richard W., and Sweeny.
Sweeny, Maurice F.: *See*—
Sweeny, Alfred A. and M. F.
Sweet, Bert B., Akron, Ohio. Spoon having a rotatable handle. 2,636,266, Apr. 28.
Sweet, Carl C.: *See*—
Cottrell, Donald C., and Sweet.
Sweet, Cecil H., Hobbs, N. Mex., assignor to Sweet Oil Well Equipment, Incorporated. Well packer rubber. 2,624,603, Jan. 6.
Sweet, Cecil H., Hobbs., N. Mex., assignor to Sweet Oil Well Equipment, Incorporated. Retrievable well packer. 2,660,247, Nov. 24.
Sweet, Donald H.: *See*—
Beltman, George C., and Sweet.
Sweet, Joseph S., Bellevue, Ohio, assignor to General Electric Company. Apparatus for glow testing sealed envelopes. 2,633,486, Mar. 31.
Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Graininess meter. 2,641,158, June 9.
Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Color temperature meter and color analyzer. 2,648,253, Aug. 11.
Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Optical feed-back densitometer. 2,649,834, Aug. 25.
Sweet Oil Well Equipment, Incorporated, assignee: *See*—
Sweet, Cecil H.
Sweet, Ralph C., Steger, Ill. Bait bucket. 2,651,137, Sept. 8.
Sweet, Robert L., Kansas City, Mo. Window lock. 2,657,086, Oct. 27.
Sweet, Roger G., Bexley, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Production of fluoride-free uranium oxide. 2,659,655, Nov. 17.
Sweet, Samuel, Detroit, Mich. Motor vehicle key signaling device. 2,634,400, Apr. 7.
Sweeten, Robert L., Salt Lake City, Utah. Dental matrix and retainer therefor. 2,636,269, Apr. 28.
Sweetman, George A., Trinidad, Colo. Luggage carrier. 2,659,464, Nov. 17.
Sweetman, William G., Houston, Tex. Jet type perforating unit. 2,629,325, Feb. 24.
Sweeton, Kenneth W., Portland, Oreg. Earth inductor compass assembly. 2,641,060, June 9.
Sweetser, Bert M., Trona, assignor of one-third to M. Frishman, Los Angeles, Calif. Road barrier gate for parking lots. 2,657,486, Nov. 3.
Sweetser, Sumner B., Cranford, N. J., assignor to Standard Oil Development Company. Slurry polymerization process. 2,626,293, Jan. 20.
Sweetser, Sumner B., Cranford, and W. G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Water-gas generation. 2,652,319, Sept. 15.
Sweger, Russell P., assignor to Barber-Colman Company, Rockford, Ill. Adjustable grille. 2,640,412, June 2.
Sweger, Theodore J., assignor to Illinois Railway Equipment Company, Chicago, Ill. Retaining means for doors and the like. 2,661,973, Dec. 8.
Sweger, Theodore J., and M. S. Johnson, assignors to Illinois Railway Equipment Company, Chicago, Ill. Brakehead wear plate and key wedge. 2,660,267, Nov. 24.
Sweitz, Henry L., assignee: *See*—
Beymer, Marshall.
Swendsen, Jack: *See*—
Weygang, William G., and Swendsen.
Zinn, Julius A., Jr., Wennberg, and Swendsen.
Swengel, Robert C., York, assignor to Aircraft-Marine Products Inc., Harrisburg, Pa. Insulated electric connector. 2,654,873, Oct. 6.
Swenson, Carl E., Rockford, Ill. Spring type one-way clutch. 2,636,584, Apr. 28.
Swenson, Elmer, Moorhead, Minn. Permanent waving rod. 2,624,349, Jan. 6.
Swenson, Erich S., assignor to Flour City Ornamental Iron Co., Minneapolis, Minn. Transom construction for boats. 2,660,142, Nov. 24.
Swenson, Harvey F., Seattle, Wash. Ski tow. 2,646,005, July 21.
Swenson, Henry F., West Orange, N. J. Clamp. 2,637,249, May 5.
Swenson, James A., Waltham, W. E. Burns, Norfolk, and R. H. Stead, Revere, Mass. Apparatus for waving hair. 2,648,339, Aug. 11.
Swenson, James A., Waltham, W. E. Burns, Norfolk, and R. H. Stead, Revere, Mass. Apparatus for waving hair. 2,648,340, Aug. 11.
Swenson, Oscar J., Crystal Lake, Ill. Ratchet type impact tool. 2,661,647, Dec. 8.
Swenson, Paul F., Cleveland Heights, and M. F. Pravda, Bedford, assignors to The Cleveland Research Corporation, Cleveland, Ohio. Variable outlet gas burner. 2,664,153, Dec. 29.
Swenson, William E., St. Paul, assignor to Minneapolis-Moline Company, Hopkins, Minn. Transmission. 2,660,900, Dec. 1.
Swenson, Wyman, White Plains, N. Y. Translucent cover for colored fishing lures. 2,636,304, Apr. 28.
Swerdloff, Jack, Bloomfield, and S. B. McFarlane, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Production of polyurethanes by a continuous process. 2,658,886, Nov. 10.
Swerdloff, Will, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refrigeration method of recovering hydrocarbons from gas mixtures. 2,627,318, Feb. 3.
Swerdlow, Nathan, Philadelphia, and G. G. Abel, Media, Pa., assignors to General Electric Company. Metal enclosed bus with adjustable bus clamping means. 2,647,940, Aug. 4.
Swerdlow, Nathan, and H. L. Chamberlain, Philadelphia, assignors to General Electric Company. Adjustable joint structure. 2,656,201, Oct. 20.
Swern, Daniel, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Plastic plasticized with alkyl alkoxy hydroxy stearates. 2,624,680, Jan. 6.
Swern, Daniel, and E. F. Jordan, Jr., Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Copolymers of unsaturated esters of phthalic acid. 2,631,141, Mar. 10.
Swett, Robert W., Flossmoor, Ill., assignor to American Tag Company. Machine for imprinting and heat sealing labels. 2,656,944, Oct. 27.
Swezey, Arthur W., Garden Grove, Calif., assignor to The Dow Chemical Company, Midland, Mich. Control of aquatic plants. 2,642,351, June 16.
Swezey, Arthur W., Garden Grove, Calif., assignor to The Dow Chemical Company, Midland, Mich. Control of aquatic weeds. 2,642,352, June 16.
Swezey, Arthur W., Garden Grove, Calif., assignor to The Dow Chemical Company, Midland, Mich. Regulation of the growth of undesired vegetation. 2,649,363, Aug. 18.
Swezey, Fenton H.: *See*—
Blume, Roe C., and Swezey.
Swiech, Edward and V. A., Seattle, Wash. Self-locking and unlocking pivot joint for leg braces. 2,646,793, July 28.
Swiech, Venans A.: *See*—
Swiech, Edward and V. A.
Swift, Clifford L.: *See*—
Orr, Palmer, and Swift.
Swift, Clifford L., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Self-adjusting brake. 2,636,578, Apr. 28.
Swift & Company, assignee: *See*—
Biddinger, Guy R., and Hanner.
Biddinger, Guy R., and Koonz.
Brissey, George E.
Burnett, Alexander H., and Prohaska.
Chapman, Thomas J. C., Holtz, and Jenison.
Clemens, Ogden A., Mertens, and Walckhof.
Coad, Frederic J.
Darrow, Merritt I., Biddinger, and Patterson.
Dominick, William E., and Nelson.
Dominick, William E., Nelson, and Mattil.
Edmonds, Harvey A.
Fortner, Eddie L., and Stevenson.
Griffin, Roger L.
Hensgen, Bernard T.
Hensgen, Bernard T., and Brendle.
Hensgen, Bernard T., and Reichel.
Hensgen, Bernard T., and Rueckert.
Hensgen, Bernard T., and Vanden Bosch.
Holtz, Harry G.
King, Iliff F.
Lager, Eric W., Haase, and Prohaska.
Mattil, Karl F.
Mattil, Karl F., and Nelson.
Mattil, Karl F., and Norris.
Mortenson, Everett N.
Nelson, De Witte, and Mattil.
Petersen, Lowell W.
Richie, Harold B.
Rueckert, Dean E.
Spooner, Lee R.
Van Dolah, Delos B.
Watts, Charles A.
Young, Harland H., and De Beukelaer.
Swift, Donald D., West Hartford, and J. J. Kohler, assignors to M. Swift & Sons, Inc., Hartford, Conn. Decalcomania for metal transfers. 2,625,496, Jan. 13.
Swift, Harley M., Oregon City, Oreg. Vehicle mounted hydraulic scale for load carrying vehicles. 2,646,272, July 21.
Swift, M., & Sons, Inc., assignee: *See*—
Swift, Donald D., and Kohler.
Swift, Walter S., East Rochester, assignor to E. J. Doyle, Rochester, N. Y. Bowling foul indicator. 2,664,290, Dec. 29.
Swift, Ward C., Trenton, N. J. Fisherman's fly book. 2,625,261, Jan. 13.
Swift, William, Sutton Coldfield, and H. Coley, Cradley, assignors to Joseph Lucas Limited, Birmingham, England. Means for baring the ends of insulated electrical conductors. 2,637,864, May 12.

Swihart, John R.: *See*—
Dvorkovitz, Vladimir, and Swihart.
Swihart, John R., Chicago Heights, Ill., assignor to The Diversey Corporation. Method and composition for chemically polishing metals. 2,662,814, Dec. 15.
Swimmer, Albert T., assignor to The General Fireproofing Company, Youngstown, Ohio. Front leaf control means for tilting front drawers. 2,635,609, Apr. 21.
Swinamer, Robert A., Armdale, Nova Scotia, assignor of one-half to A. H. Phillips, Halifax County, Nova Scotia, Canada. Wheel lifter. 2,639,934, May 26.
Swindin, Norman, London, England. Submerged flame burner. 2,638,895, May 19.
Swindler, Rollin L., Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for prepressing curved laminated safety glass. 2,635,973, Apr. 21.
Swinehart, Merle B.: *See*—
Richardson, Linwood T., and Swinehart.
Swing, Edward R., assignor to Cannon Mills Company, Kannapolis, N. C. Terry fabric finishing machine. 2,629,918, Mar. 3.
Swing-A-Way Manufacturing Company, assignee: *See*—
Moore, Walter E.
Swingfire (Bahamas) Limited, assignee: *See*—
Huber, Ludwig R.
Swingspout Measure Company, assignee: *See*—
Rives, Halcolm D.
Swinnerton, Gerald, assignor to National Camera Works, St. Louis, Mo. Cable release mechanism for cameras. 2,632,337, Mar. 24.
Swint, Franklin H., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler operating mechanism. 2,645,363, July 14.
Swires, William, Helsby, near Warrington, England. Roof construction. 2,648,132, Aug. 11.
Swisher, Martin S., Pittsburg, Kans. Adjustable trail frame holder. 2,659,266, Nov. 17.
Swisher, Robert E., assignor to R. E. Swisher, C. C. Cockrell, and E. L. Cossairt, Kansas City, Mo. Box assembly machine. 2,637,252, May 5.
Swiss, Jack: *See*—
Sattler, Frank A., Swiss, and Ford.
Switches, Inc., assignee: *See*—
Wolf, Walter A.
Switzer, Joseph L., Cleveland Heights, Ohio. Fluorescent printing. 2,629,956, Mar. 3.
Switzer, Joseph L., Cleveland Heights, R. C. Switzer, South Euclid, and R. A. Ward, Cleveland, Ohio, assignors, by mesne assignments, to said J. L. and R. C. Switzer. Light-responsive fluorescent media. 2,653,109, Sept. 22.
Switzer, Robert C., assignee: *See*—
Switzer, Joseph L. and R. C., and Ward.
Swonger, Cecil C., St. Mary's, Ohio. Clamp-on anchor line sheave for small boats. 2,642,025, June 16.
Sword, Frank P.: *See*—
Ames, Enos R., Thomas, O'Neal, and Sword.
Sydney-Thomas Corporation, assignee: *See*—
Makrauer, Irvin.
Syfert, William W., Las Vegas, Nev. Savings bank. 2,648,934, Aug. 18.
Sykes, Ernest R.: *See*—
Sandman, Eli, and Sykes.
Sykes, Robert E., and J. A. Neuwirth, Sheboygan, assignors, by mesne assignments, to Hydraulic Tools Corporation, Milwaukee, Wis. Jack tripod base. 2,625,352, Jan. 13.
Sykes, Thomas R., assignor to The Toronto Star Limited, Toronto, Ontario, Canada. Machine for wire binding boxes or the like. 2,624,270, Jan. 6.
Sykes, Thomas R., assignor to The Toronto Star Limited, Toronto, Ontario, Canada. Conveyer control table. 2,636,654, Apr. 28.
Syler, Harrison B., Los Angeles, Calif. Combination lock. 2,655,026, Oct. 13.
Sylvan, Joseph, Berkley, Mich. Window frame assembly. 2,642,935, June 23.
Sylvan, Joseph, Berkley, Mich. Door frame. 2,642,966, June 23.
Sylvan, Joseph, Berkley, Mich. Window assembly. 2,643,710, June 30.
Sylvan, Joseph, Berkley, Mich. Window frame assembly. 2,651,393, Sept. 8.
Sylvania Electric Products Inc., assignee: *See*—
Arnold, Charles E.
Baker, Harold E.
Barre, Wade E., Jr.
Benedict, Donald L.
Breeden, Francis C., and Elsaman.
Brooks, Joseph H.
Davis, James N.
De Boy, Marvin F.
Earl, Howard D., and Pifer.
Fitchett, James E.
Fortney, David F.
Freeman, Walter C., Jr.
Gardner, Roland M., Gartner, and Barrett.
Gartner, Stanley J.
Gartner, Stanley J., Swasey, and Dwinell.
Gates, Paul E.
Graham, Robert E.
Gray, Samuel M., and Svenson.
Hannahs, Wilson H.
Sylvania Electric Products Inc., assignee: *See*—
Heins, Harold.
Homer, Horace H.
Homer, Horace H., and Lowry.
Jacobs, Harold, and Hees.
Jacobs, Harold, Hees, and Wolk.
Kerstetter, Donald R.
Kulberg, August E., Terry, and Swasey.
Lacey, William M.
Landis, Franklin G.
Lawson, Bert E., and Bullock.
Mager, Eric L.
Mann, Oliver.
Mann, Oliver, and Thomas.
Marchisio, Robert G.
Midgley, Eric L.
Moses, Robert C.
Norton, Clyde J.
Palmateer, Russell E.
Pifer, Marion J.
Quinn, Gerald S., and Betts.
Regelman, La Rue V.
Roeber, Henry W.
Rumsey, Howard L., and Abbott.
Ryan, Charles J.
Sharkey, Arthur J.
Shaw, Robert E., and Peek.
Snyder, Willis W.
Spicer, Curtis D
Stavro, Stephen H.
Walker, Richard M.
Wiley, Verlis H.
Young, Charles A., and Baker.
Sylvester & Company, assignee: *See*—
Schoenlaub, Robert A.
Sylvester, Jack C., Milwaukee, Wis. Rotary c
type lawn mower. 2,641,100, June 9.
Symington-Gould Corporation, The, assignee:
Blattner, Emil H.
Blattner, Emil H., and Couch.
Couch, Glenn F.
Vala, George F., and Couch.
Symmonds, Bert: *See*—
Stovall, Floyd L., and Symmonds.
Symmons, Paul C., Boston, Mass. Dup
2,643,675, June 30.
Symonds, Fred L., Whiting, Ind., assignor to St
Company, Chicago, Ill. Natural gas conver
drogen and carbon monoxide. 2,631,094, Mar
Symonds, Fred L., Louisiana, Mo., assignor t
Oil Company, Chicago, Ill. Reaction furna
tacting a gas and fluidized solids. 2,656,258
Symons, Arthur H., assignor to Symons Clam
facturing Company, Chicago, Ill. Wall f
2,640,249, June 2.
Symons Clamp & Manufacturing Company,
See—
Symons, Arthur H.
Syncro Corporation, assignee: *See*—
Carmichael, Thomas F.
Jaye, Richard C., and Hirtz.
Syncro Machine Company, assignee: *See*—
Bruestle, Carl O.
Orr, Carroll E.
Syncromatic Corporation, assignee: *See*—
Hirtz, John F.
Syntex S. A., assignee: *See*—
Neumann, Francisco, Pataki, and Kaufma
Rosenkranz, George, Kaufman, and Patak
Zaffaroni, Alejandro.
Syntron Company, assignee: *See*—
Alvord, Grove D.
Gilbert, Walter J., Sr.
Richards, Archer W., and Osterhus.
Sgriccia, Mario T.
Smith, Cleveland S.
Spurlin, William V.
Syracuse, Frances P., Los Angeles, Calif. Sl
strap keeper. 2,641,760, June 16.
Syracuse, Michael G.: *See*—
Clapsadle, Leo J., and Syracuse.
Syracuse University, assignee: *See*—
Watts, Betty M., and Moss.
Syrovy, Augustin J.: *See*—
Bucy, Roy T., Syrovy, and Dunn.
Maurer, Edwin R., and Syrovy.
Syrovy, Augustin J., W. T. Dunn, and R. T
troit, assignors to Chrysler Corporation, Hig
Mich. Clutch construction. 2,651,395, Sept
Szabo, Alexander, Perth Amboy, N. J. Relie
for automobiles. 2,654,892, Oct. 13.
Szabo, Fred, Corona, Calif. Invalid child's
amusement chair. 2,647,561, Aug. 4.
Szabo, Joseph L., Drexel Hill, and W. F. Br
town, assignors to Wyeth Incorporated, P
Pa. Penicillin salts of substituted alkyler
2,627,491, Feb. 3.
Szady, Leopold T., Hamtramck, assignor to
Company, Van Dyke, Mich. Energizing spr
for one-way clutches. 2,625,246, Jan. 13.
Szaloki, Zoltan, Helmshore, Rossendale, assig
half to Platt Brothers & Company Limite
England. Apparatus for opening cotton and
material. 2,661,501, Dec. 8.

Szczeniowski, Boleslaw, Montreal, Quebec, Canada. Combustor for high flow velocities. 2,635,424, Apr. 21.
Szegvari, Andrew, Akron, and C. K. Gravley, Lakewood, assignors to The Brush Development Company, Cleveland, Ohio. Making transducer devices having bonded elements. 2,639,257, May 19.
Szekely, O. E., & Associates, Inc., assignee: *See*—
Moler, Garland W., and Nassau.
Szekely, Otto E.
Szekely, Otto E., assignor, by mesne assignments, to O. E. Szekely & Associates, Inc., Philadelphia, Pa. Latch released positive clutch. 2,642,970, June 23.
Szekely, Otto E., assignor to O. E. Szekely & Associates, Inc., Philadelphia, Pa. Radar antenna. 2,653,240, Sept. 22.
Szelwach, Stanley S., Jackson Heights, assignor to Q-O-S Corporation, New York, N. Y. Range finder. 2,627,779, Feb. 10.
Sziklai, George C.: *See*—
Bedford, Alda V., and Sziklai.
Schroeder, Alfred C., and Sziklai.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Amplifier circuit for color television. 2,626,323, Jan. 20.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electrochemical color filter. 2,632,045, Mar. 17.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television system. 2,634,327, Apr. 7.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray oscillator tube. 2,638,561, May 12.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television system. 2,643,289, June 23.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television receiver. 2,644,854, July 7.
Sziklai, George C., Princeton, N. J., and A. C. Schroeder, Feasterville, Pa., assignors to Radio Corporation of America. High-voltage generator. 2,630,549, Mar. 3.
Sziklai, George C., and F. J. Darke, Jr., Princeton, N. J., assignors to Radio Corporation of America. Color television image reproducing system. 2,646,462, July 21.
Szillage, Kalman, Gary, Ind., assignor to Kelly Products Co., Inc. Nonclog rake. 2,635,911, Apr. 21.
Szitar, John E.: *See*—
Baldwin, John D., Jr., and Szitar.
Szostek, Peter, Brooklyn, N. Y. Electric hedge cutter. 2,633,636, Apr. 7.
Szper, Jonas A.: *See*—
Fuller, Leonard, and Szper.
Szuecs, Joseph, Yonkers, assignor of one-tenth to G. M. Wiles, Roslyn, N. Y. Production of edible mushroom mycelium. 2,648,163, Aug. 11.
Szwargulski, Alex N., St. Louis, and P. R. Larson, Pine Lawn, assignors to Carter Carburetor Corporation, St. Louis, Mo. Fluid pressure switch. 2,655,573, Oct. 13.
Szychowski, Adam: *See*—
Szychowski, Joseph C. and A.
Szychowski, Joseph C. and A., Detroit, Mich. Vehicle windshield cover. 2,624,406, Jan. 6.
Szymborski, Alexander F., assignee: *See*—
Jenner, Arthur J.
T. M. M. (Research) Limited, assignee: *See*—
Haythornthwaite, James J.
Haythornthwaite, James J., and Calvert.
Haythornthwaite, James J., and Haighton.
Haythornthwaite, James J., and Pinner.
Watson, William H.
Watson, William H., and Cole.
Westall, Arthur.
Taber, Frederic H., New Bedford, and H. S. Swain, Brockton, Mass. Ventilated shoe. 2,651,854, Sept. 15.
Taber, George H., Elmira, N. Y. Gauge for indicating camber, caster and side inclination of wheels. 2,627,123, Feb. 3.
Taber, George H., Elmira, N. Y. Laboratory apparatus for demonstrating and interpreting gauge tests of wheels. 2,641,851, June 16.
Taber Instrument Corporation, assignee: *See*—
Taber, Ralph F.
Taber, Ralph F., Buffalo, assignor to Taber Instrument Corporation, North Tonawanda, N. Y. Method and machine for beading sheet material cylinders. 2,635,287, Apr. 21.
Tabern, Donalee L.: *See*—
Schock, Richard U., Jr., and Tabern.
Tabern, Donalee L., Lake Bluff, assignor to Abbott Laboratories, North Chicago, Ill. Antiseptic acridane compounds. 2,645,594, July 14.
Tabet, Georges E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Oxidation process for production of 2,6-naphthalic acid. 2,644,841, July 7.
Taborski, Alfred F., Buffalo, N. Y. Necktie or similar article. 2,641,766, June 16.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake head arrangement. 2,627,322, Feb. 3.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Magnetic railway brake. 2,649,935, Aug. 25.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,656,900, Oct. 27.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,661,818, Dec. 8.
Tack, Carl E., Chicago, Ill., F. E. Bachman, St. Louis, Mo., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Draft arrangement. 2,642,195, June 16.
Tack, Carl E., Chicago, and W. J. Casey, III, Highland Park, assignors to American Steel Foundries, Chicago, Ill. Duplex brake. 2,655,226, Oct. 13.
Tackett, Oscar W.: *See*—
Howell, Albert R., and Tackett.
Tackett & Tripp, Inc., assignee: *See*—
Tripp, Dwight E.
Taco Heaters, Incorporated, assignee: *See*—
Grosvenor, William M., Jr.
Schoerner, Rudolph T.
Taddei, Carlo: *See*—
Halbig, Paul, and Taddei.
Taddonio, Joseph, East Boston, Mass. Display apparatus. 2,637,923, May 12.
Taff, Wilfred O., and R. L. Hardy, Cranford, N. J., assignors to Standard Oil Development Company. Reducing contaminants on finely divided catalyst. 2,651,600, Sept. 8.
Taff, Wilfred O., Cranford, and J. Weikart, Elizabeth, N. J., assignors to Standard Oil Development Company. Preparation of feed material for the conversion of hydrocarbons. 2,651,601, Sept. 8.
Tager, Charles I., assignee: *See*—
Skrebba, Johannes.
Taggart, Marion A.: *See*—
Chu, Lan J., and Taggart.
Taggart, Robert E., Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Wrapper tucking mechanism. 2,653,435, Sept. 29.
Taggart, Robert E., Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Gluing assembly for packaging machines. 2,659,341, Nov. 17.
Taggart, Robert E., Toledo, Ohio, assignor to Lynch Corporation, Anderson, Ind. Glue-applying apparatus for packaging machines. 2,659,342, Nov. 17.
Taggart, Robert J.: *See*—
Lewis, Charles R., and Taggart.
Tagliaferri, Frank P., and F. T. Gier, Baltimore, Md. Journal bearing lubricator. 2,657,958, Nov. 3.
Tagmann, Eugen: *See*—
Hoffmann, Karl, and Tagmann.
Taini, John: *See*—
Cornwell, David R. L., and Taini.
Taini, John, assignor to The C. F. Pease Company, Chicago, Ill. Print developer. 2,625,865, Jan. 20.
Tainter, Maurice L., administrator: *See*—
Ruddy, Arlo W., and Becker.
Tainton Company, The, assignee: *See*—
Clayton, Erith T.
Tait, Howard C., assignor to The National Supply Company, Pittsburgh, Pa. Control for plunger lifts. 2,649,738, Aug. 25.
Tait, Samuel, Jr., assignor to Vogue Manufacturing Corporation, West Chester, Pa. Stocking fabric. 2,636,369, Apr. 28.
Takach, Sigmund, Youngstown, Ohio. Combination speaker and heater for outdoor theaters. 2,646,496, July 21.
Takeda Yakuhin Kogyo Kabushikigaisha, assignee: *See*—
Nishimitsu, Hiroshi, Nishikawa, and Hagihara.
Talamanco, Armand: *See*—
Beacom, Edward A., Sacklyn, and Talamanco.
Talamini, Arthur J., Jr., Caldwell Township, Essex County, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Square wave voltage calibrator. 2,637,816, May 5.
Talamini, Arthur J., Jr., Caldwell Township, Essex County, and R. C. Palmer, Nutley, assignors to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Sweep generator protection circuit. 2,661,421, Dec. 1.
Talbert, Austin G., assignor to Talbert Construction Equipment Company, Lyons, Ill. Stabilizer for spring-supported bodies. 2,662,780, Dec. 15.
Talbert Construction Equipment Company, assignee: *See*—
Talbert, Austin G.
Talbert, Mary W., Columbia, Mo. Treating apple sections. 2,662,824, Dec. 15.
Talbot, Cyrus G. and J. F., Chicago, Ill. Battery retainer for electric hand lamps. 2,628,305, Feb. 10.
Talbot, Frank, and R. T. Foster, Widnes, England, assignors to Imperial Chemical Industries Limited. 2-methylchlorophenoxyacetate herbicides. 2,637,639, May 5.
Talbot, Harry W., assignor to K. Norman, San Francisco, Calif. Electric soldering iron. 2,658,983, Nov. 10.
Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Universal coupling. 2,659,217, Nov. 17.
Talbot, Joseph F.: *See*—
Talbot, Cyrus G. and J. F.
Talbot, Richard C.: *See*—
Ferguson, John L., and Talbot.
Talbott, Nelson S., administrator: *See*—
Sullivan, Mary R., and Houk.
Talbott, William H., Albany, Calif. Hay and manure loader. 2,626,722, Jan. 27.

Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Rail drill. 2,632,342, Mar. 24.
Talburt, William F., Berkeley, and D. G. Guadagni, Lafayette, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Fruit-containing frozen confections and producing the same. 2,651,575, Sept. 8.
Talge, Foster L., assignee: *See*—
Landry, William J.
McLean, Robert E.
Scott, Robert J., and Rusko.
Talge, Henry J., assignee: *See*—
Landry, William J.
McLean, Robert E.
Scott, Robert J., and Rusko.
Taliaferro, Edward E., Jackson, Tenn. Cotton-picking machine. 2,626,498, Jan. 27.
Talk-O-Products, Inc., assignee: *See*—
Vincent, Andrew W.
Tall, Murry, New Rochelle, N. Y. Pencil sharpener. 2,624,317, Jan. 6.
Tallackson, John R.: *See*—
Robertson, Alexander F., and Tallackson.
Talley, Calvin C., Levelland, Tex. Clearance lamp for vehicles. 2,640,910, June 2.
Talley, Eugene A., and E. Yanovsky, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Producing organic solvent soluble allyl starch. 2,635,099, Apr. 14.
Talley, Maurice I., Arlington, Va. Plural filter support and actuating mechanism. 2,660,926, Dec. 1.
Talley, Samuel K., Berkeley, and F. J. Watson, Oakland, assignors to Shell Development Company, San Francisco, Calif. Torque converter fluid. 2,626,242, Jan. 20.
Tallis, Charles E., Birmingham, assignor to Birmingham Tool & Gauge Company Limited, Handsworth, England. Automatic feed mechanism for power presses and like machines. 2,657,046, Oct. 27.
Talmadge, Palmer C., J. D. Zartman, and R. E. Prouty, assignors to Essex Wire Corporation, Logansport, Ind. Electrical overload protector. 2,651,748, Sept. 8.
Talmage, Homer R., assignor to Bowser, Inc., Fort Wayne, Ind. Dispensing apparatus. 2,658,240, Nov. 10.
Talmage, John H., and R. W. Finley, assignors to Diebold, Incorporated, Canton, Ohio. Separator sheet for filing appliances. 2,642,067, June 16.
Talmey, Paul, assignor to General American Transportation Corporation, Chicago, Ill. Refrigerator car. 2,642,818, June 23.
Talmey, Paul, and R. W. Landon, assignors to General American Transportation Corporation, Chicago, Ill. Apparatus for treating granular material in a continuous process. 2,638,837, May 19.
Talmey, Paul, and O. R. Kuster, assignors to General American Transportation Corporation, Chicago, Ill. Apparatus for treating granular material in a continuous process. 2,638,838, May 19.
Talmey, Paul, Barrington, and J. M. Gleason, assignors to General American Transportation Corporation, Chicago, Ill. Hopper for storing and shipping finely divided materials. 2,641,202, June 9.
Talmey, Paul, Barrington, and W. J. Crehan, Hinsdale, assignors to General American Transportation Corporation, Chicago, Ill. Chemical nickel plating. 2,658,839, Nov. 10.
Talon, Inc., assignee: *See*—
Carlile, Alfred E.
Dorman, Leonard M.
Poux, Noel J.
Sonntag, Alfred.
Talone, Albert J., Morrisville, Pa. Gun sighting. 2,645,037, July 14.
Talpey, Norris A.: *See*—
Lucas, James H., and Talpey.
Talucci, Samuel, Philadelphia, Pa. Burglar alarm. 2,640,455, June 2.
Tamarin, Bernard J., Whitemarsh, and A. Meletti, Philadelphia, Pa.; said Meletti assignor to said Tamarin. Packaging with pull strip. 2,625,774, Jan. 20.
Tamblyn, John W., and R. M. Schulken, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Surface treatment for improving weathering resistance of cellulose acetate-butyrate plastics. 2,656,288, Oct. 20.
Tamm, Emil S., Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio. Switch governor having perpendicularly pivoted insertable weights. 2,644,683, July 7.
Tamm, Emil S., Plainfield, N. J., assignor to The Hoover Company, North Canton, Ohio. Instantly reversing motor. 2,661,451, Dec. 1.
Tamminga, William J., and M. D. Kinney, Goshen, and F. H. Orr, East Meredith, N. Y., said Tamminga assignor to said Kinney and said Orr. Automatic can filling machine having siphons for dispensing a predetermined amount of fluid. 2,633,282, Mar. 31.
Tampax, Incorporated, assignee: *See*—
Wright, John H., and Lewing.
Tan, Swie H., The Hague, Netherlands. Clothes hanger. 2,648,468, Aug. 11.
Tanabe, Sadami, Boise, Idaho. Sacking device with open-ended body having sack gripping devices thereon. 2,636,656, Apr. 28.
Tanasse, Arthur E., Sunnyside, Wash. Multi drier. 2,661,544, Dec. 8.
Tanczyn, Harry, Baltimore, Md., assignor to Ar Corporation. Alloy steel products. 2,646,352
Tandberg, John G., assignor to Aktiebolaget E Stockholm, Sweden. Evaporating-condens transfer system. 2,649,696, Aug. 25.
Tandler, William S., and D. S. Walker, assignors matic Machine Corporation, New York, N. Y. dispensing sandwiches and the like. 2,637,61
Tanke, Willard H., La Crosse, assignor to Allis Manufacturing Company, Milwaukee, Wis. plow affording adjustable width of cut. Sept. 1.
Tanke, Willard H., La Crosse, assignor to Allis Manufacturing Company, Milwaukee, Wis. disk attachment for agricultural implements. Nov. 17.
Tanke, Willard H., La Crosse, assignor to Allis Manufacturing Company, Milwaukee, Wis. mower attachment. 2,662,358, Dec. 15.
Tankersley, Teller B., Memphis, Tenn. Means ods for flushing the passageways of vehicle and engines. 2,632,719, Mar. 24.
Tanking, William T., Jr., Racine, Wis. Ca 2,648,128, Aug. 11.
Tanko, Kalman, and W. L. Slominski, Chicago, corn dispenser. 2,644,614, July 7.
Tann, David, Detroit, Mich. V groove sheave. July 14.
Tannenbaum, Morris L., deceased, Bronx, N. Springer and W. H. Wechter, executors, as Clearasite Corporation of America, Inc., New Y Combination cap and eyeshield. 2,654,089, O
Tanner, Charles A., Jr., Collingswood, and D. Runnemede, N. J., assignors to American Company, New York, N. Y. Production of tit oxide pigments. 2,628,919, Feb. 17.
Tanner, Fritz, St. Gallen, assignor to Gebrude Uzwil, Switzerland. Method and apparatus rating solids from gases. 2,643,769, June 30
Tanner, Fritz, Sankt Gallen, assignor to Gebrüde Uzwil, Switzerland. Automatic material feed cereal comminuting apparatus. 2,656,121, O
Tanner, Homer M.: *See*—
Beste, George W., Tanner, and Shapiro.
Tanner, Homer M., Baton Rouge, La., assignor Corporation, New York, N. Y. Manufacture alkyllead compounds. 2,635,105, Apr. 14.
Tanner, Homer M., Baton Rouge, La., assignor Corporation, New York, N. Y. Manufacture alkyllead compounds. 2,635,107, Apr. 14.
Tanner, Karl, Ruschlikon, assignor to Färberei A. G., Schlieren, Switzerland. Producing ma being poor in adhesion on thermoplastics. Mar. 31.
Tanner, Theodore L.: *See*—
Insley, Norman, and Tanner.
Tansey, John H., Peoria, assignor of one-third Pitzner, Winnetka, Ill. Grip bolt. 2,631,488
Tansey, Lawrence J., Detroit, and J. B. Hoy, Mich., assignors, by mesne assignments, to M Finishing Co. Filing machine. 2,648,121, Au
Tanski, Edwin S., assignor to Marblehead Lime Chicago, Ill. Treatment of acid waste 2,639,222, May 19.
Tansman, Alex, New York, N. Y. Covered sepa ton. 2,654,927, Oct. 13.
Tantlinger, Keith W., assignor to Brown Trai Spokane, Wash. Vehicle wheel suspension. Apr. 21.
Tap and Drill Ez Corp., assignee: *See*—
Holmes, Wilbur C.
Tapernoux, Paul, Lynbrook, N. Y. Lock for clo 2,646,604, July 28.
Tapke, Kenneth W., assignor to Bendix Aviation tion, South Bend, Ind. Thermocouple. July 7.
Tapley, Emmett E., Las Vegas, N. Mex. Rack a for shelves. 2,639,040, May 19.
Tapley, Gordon P., Suffern, N. Y., assignor, by signments, to Niles-Bement-Pond Company, W ford, Conn. Carburetor. 2,626,137, Jan. 20.
Taplin, Ronald H.: *See*—
Ransom, David H., Roberts, and Taplin.
Tapp, Harry F., Longmeadow, and G. D. Agawam, assignors to Gilbert & Barker Manu Company, West Springfield, Mass. Measu average temperature of liquid in storag 2,625,043, Jan. 13.
Tapp, Harry F., Longmeadow, and R. M. Coc signors to Gilbert & Barker Manufacturing West Springfield, Mass. Ignition means for oil burners. 2,631,657, Mar. 17.
Tapp, Harry F., Longmeadow, and R. M. Coc signors to Gilbert & Barker Manufacturing West Springfield, Mass. Fuel supply contro atomizing oil burners. 2,637,375, May 5.
Tapp, Harry F., Longmeadow, and R. M. Coc signors to Gilbert & Barker Manufacturing West Springfield, Mass. Air-atomizing oi 2,649,148, Aug. 18.

Tapp, Harry F., Longmeadow, and R. M. Cochrane, assignors to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Sectional housing for electrical control and ignition apparatus of fluid fuel burners. 2,662,109, Dec. 8.

Tappan, Ada I., assignee: *See*—
Tappan, Dewitt.

Tappan, Dewitt, assignor to A. I. Tappan, Irondequoit, N. Y. Window sash clamping device. 2,625,419, Jan. 13.

Tappan, Dewitt, assignor to A. I. Tappan, Irondequoit, N. Y. Sash balance. 2,627,082, Feb. 3.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M.
Mayer, Charles M., and Craig.
Mayer, Charles M., and Hoff.
Mayer, Charles M., Perl, and Warner.
Perl, Richard L.

Tappero, Charles J.: *See*—
Abbott, John F. S., and Tappero.

Tapscott, Leldon H., Dallas, Tex. Fluid level indicator. 2,662,405, Dec. 15.

Taran, Harry, Detroit, Mich. Straightedge and paper cutter. 2,633,196, Mar. 31.

Taranto, Monroe, Ridgewood, N. J. Box transfer mechanism. 2,652,137, Sept. 15.

Tarapacki, John, Bronx, N. Y. Broken axle puller. 2,648,564, Aug. 11.

Tarbox, George R.: *See*—
Spann, Lawrence R., and Tarbox.

Tarbox, Philip B., and G. C. Anderson, Saco, Maine, assignors to Saco-Lowell Shops, Boston, Mass. Drawing mechanism for spinning and roving frames. 2,657,434, Nov. 3.

Tardford National Bank and Trust Company, trustee, assignee: *See*—
De Beurs, Pieter H.

Tardie, Anna C.: *See*—
Tardie, Norman and A. C.

Tardie, Norman and A. C., Lawrence, Mass. Clothesline pole. 2,638,231, May 12.

Tarkington, Raife G., and W. G. Lowe, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion sensitized with gold compounds and sulfur sensitizers. 2,624,674, Jan. 6.

Tarof, Ernest L., Jersey City, N. J. Grating. 2,660,102, Nov. 24.

Tarpley, Raymond E.: *See*—
Cherry, Robert H., Williams, and Tarpley.

Tarr, Donald T., Jr., Denver, Colo., and F. A. Fischer, Brussels, Belgium, assignors to The Dorr Company, Stamford, Conn. Treating arsenical gold ores. 2,650,159, Aug. 25.

Tarr, Robert G., Villa Park, assignor of one-half to J. C. Webb, Chicago, Ill., and one-half to T. Moody, Memphis, Tenn. Mechanism for making and depositing balls of ice cream or the like. 2,638,065, May 12.

Tarris, Joseph, Lincoln Park, Mich. Golf score cardholder. 2,658,773, Nov. 10.

Tartaglia, Richard A.: *See*—
Remington, Frederic, and Tartaglia.

Tarwater, Lawson, Redlands, Calif. Electric hammer. 2,626,598, Jan. 27.

Tarwater, Lawson, Redlands, Calif., assignor to Tarwater Railway Supply Co. Electric tie tamper. 2,643,649, June 30.

Tarwater Railway Supply Co., assignee: *See*—
Tarwater, Lawson.

Tasker, Homer G., Van Nuys, A. L. Hiebert, Beverly Hills, A. L. Kelsey, North Hollywood, and W. E. Osborne, assignors to Gilfillan Bros., Inc., Los Angeles, Calif. Single scope two-coordinate radar system. 2,649,581, Aug. 18.

Tasker, Raymond B., Sepulveda, assignor to Gilfillan Bros., Inc., Los Angeles, Calif. Sweep limiter in radar indicating system. 2,663,868, Dec. 22.

Tassell, Leslie E., Grand Rapids, Mich. Hinge. 2,624,067, Jan. 6.

Tasset, Everett J., Pratt, Kans. Attachment for velocipedes. 2,643,783, June 30.

Tata, Raymond V., Providence, assignor to Universal Winding Co., Cranston, R. I. Winding machine. 2,631,787, Mar. 17.

Tate, Christopher, Malden, assignor to E. H. Tate Company, Boston, Mass. Sales and display package of drapery hooks. 2,654,476, Oct. 6.

Tate, E. H., Company, assignee: *See*—
Tate, Christopher.

Tate, John F. P., New York, N. Y. Vacuum thermal insulating panel. 2,638,187, May 12.

Tate, Malcolm C., Stamford, Conn., assignor to Baldwin-Lima-Hamilton Corporation, Compensated pressure gauge. 2,639,616, May 26.

Tate, Merle D., Cannon Falls, Minn. Litter carrier. 2,630,077, Mar. 3.

Tate, Samuel H., Lancaster, Pa. Seat pad for coats. 2,661,474, Dec. 8.

Tate, Syllus D., Centralia, Ill. Air circulating heater and furnace. 2,627,265, Feb. 3.

Tatelahi, Arthur K., assignor to Audio Tool and Engineering Limited, Toronto, Ontario, Canada. Phonograph with three-speed turntable driving mechanism. 2,650,504, Sept. 1.

Tatel, Howard E., Silver Spring, Md., and E. W. Trainer, Rochester, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Projectile radio sonde. 2,647,991, Aug. 4.

Tatem, George C.: *See*—
Pezzillo, Rinaldo F. and A. H., and Tatem.

Tatem, John A., assignor to G. W. B. Electric Furnaces Limited, Dudley, England. Temperature control apparatus for electrode type boilers. 2,663,788, Dec. 22.

Tateyama, Hioshi, Ault, Colo. Onion harvester machine. 2,625,781, Jan. 20.

Tatom, Raymond F., Puyallup, and E. B. Kinnaman, assignors to Boeing Airplane Company, Seattle, Wash. Chair shock mount mechanism. 2,631,648, Mar. 17.

Tatosian, Charles M., New York, N. Y. Automobile parking device. 2,639,046, May 19.

Tatter, John W., Akron, Ohio. Attachment for paint cans. 2,648,460, Aug. 11.

Tatterson, Benjamin F., Pittsburgh, Pa., assignor to Koppers Company, Inc. Purification of naphthalene. 2,626,236, Jan. 20.

Tatum, Joe F., Hattiesburg, Miss. Thermal shielded grill. 2,625,875, Jan. 20.

Tatusko, Philip: *See*—
Corbett, Lawrence B., Tatusko, and Pratt.

Tatusko, Philip A., and R. E. Frederick, Jr., Endicott, assignors to International Business Machines Corporation, New York, N. Y. Etching plates. 2,631,092, Mar. 10.

Taub, Alex, assignor to Taub Engineering Company, Washington, D. C. Internal-combustion engine. 2,658,488, Nov. 10.

Taub, Alex, assignor to Taub Engineering Company, Washington, D. C. Variable speed and direction power unit. 2,660,860, Dec. 1.

Taub Engineering Company, assignee: *See*—
Schmitt, Page M.
Taub, Alex.

Tauber, Rudolf, assignee: *See*—
Penner, Sidney M.

Taudt, Heinz: *See*—
Hell, Rudolf, and Taudt.

Taunton, Gerald, Wells, Somerset, assignor to Wilts United Dairies, Limited, Wiltshire, England. Airtight package. 2,649,234, Aug. 18.

Taupenas, André E.: *See*—
Bachem, Marcel G., and Taupenas.

Tausch, Gilbert H.: *See*—
Abendroth, Guss F., Tausch, and Ward.

Tausch, Harry W., Stratford, Conn., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Padded glove and making same. 2,635,240, Apr. 21.

Tauscher, Vernon A., Los Angeles, J. M. Slater, Inglewood, and J. Emmi, Los Angeles, Calif., assignors to North American Aviation, Inc. Double-ball gyro precession axis bearing. 2,644,727, July 7.

Tauscher, Vernon A., and W. D. Mullins, Jr., Los Angeles, K. R. Jackson, Alhambra, and W. D. Lyon, Los Angeles, Calif., assignors to North American Aviation, Inc. Solenoid hydraulic control valve. 2,655,939, Oct. 20.

Taussky, Ilona, New York, N. Y. Refining and purifying fats and higher fatty acids. 2,654,766, Oct. 6.

Tavannes Watch Co., S. A., assignee: *See*—
Bridevaux, Georges.

Tavener, Ernest E., assignor to Keith Blackman Limited, London, England. Combustion cell gas burner. 2,646,113, July 21.

Taves, Milton A.: *See*—
Filar, Leo J., and Taves.

Tawney, Chester W., S. J. Demarco, Jr., and P. H. Herrick, Baltimore, Md., assignors to Products Manufacturing Co., Inc. Vending machine. 2,649,948, Aug. 25.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of trihaloalkenes. 2,626,252, Jan. 20.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. N-(halomethyl)-maleimide and preparing the same. 2,640,832, June 2.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of selected 2-alkenyl 2-alkenoates or like esters with selected 2-alkenyl or like chlorides, ethers or esters with or without a different copolymerizable monoolefinic compound. 2,643,991, June 30.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble, fusible, convertible unsaturated interpolymers of selected di-2-alkenyl citraconates or mesaconates and selected 2-alkenyl alcohols or chlorides. 2,649,437, Aug. 18.

Tayler, Theron C., Detroit, Mich. Lime burning apparatus and method. 2,624,562, Jan. 6.

Taylor, A. W., Industries Limited, assignee: *See*—
Nelles, Lafayette H.
Taylor, Albert W.

Taylor, Abraham, Cleveland, Ohio, assignor to Horizons Incorporated, Princeton, N. J. Demountable X-ray tube construction. 2,653,260, Sept. 22.

Taylor, Albert, London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Collapsible tubular container. 2,636,644, Apr. 28.

Taylor, Albert W., assignor to A. W. Taylor Industries Limited, Toronto, Ontario, Canada. Tissue dispensing packet. 2,624,456, Jan. 6.

Taylor, Ambrose G., Ardrossan, and W. A. Caldwell, Seamill, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of formic acid. 2,645,661, July 14.

Taylor, Arthur S.: *See*—
Stirn, Frank E., and Taylor.

Taylor, Arthur W. C., P. Davies, and P. W. Reynolds, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production af amines. 2,636,902, Apr. 28.

Taylor, Arthur W. C., D. G. Jones, and M. L. Allan, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of methyl acetylene. 2,649,485, Aug. 18.

Taylor, Barnhardt A., Columbia, S. C., assignor to The Greist Manufacturing Company, New Haven, Conn. Sewing-machine attachment. 2,639,682, May 26.

Taylor Bedding Manufacturing Co., assignee: *See*—
Forwood, David F.

Taylor, Bernardo E., assignor to M. E. Michaelson and J. Gold, New York, N. Y. Impression material. 2,660,570, Nov. 24.

Taylor, Byron M., San Diego, Calif. Extensible bed and shelter for motor vehicles. 2,642,587, June 23.

Taylor & Challen Limited, assignee: *See*—
Challen, Henry D.

Taylor, Charles S., Los Angeles, Calif. Liquid dispersion separating device. 2,649,964, Aug. 25.

Taylor, Charles W., assignor to Wingfoot Corporation, Akron, Ohio. Polyamide interpolymer plasticized with diacetin. 2,646,413, July 21.

Taylor, Clarence E., and S. J. Gwoosh, Newark, N. J. Retractable pocket knife. 2,640,260, June 2.

Taylor, Clarence R., Penfield, N. Y. Beam compass set. 2,627,662, Feb. 10.

Taylor, Clement F.: *See*—
Stimson, Allen G., Brynes, Jennings, and Taylor.

Taylor, Cloyd T., Traverse City, Mich. Double-duty fishhook. 2,645,054, July 14.

Taylor and Company, assignee: *See*—
Laube, Edward, Jr.

Taylor, Daniel G.: *See*—
Kutzler, Robert J., and Taylor.

Taylor, Donald S., Monrovia, Calif., assignor, by mesne assignments, to Borax Consolidated, Limited, London, England. Production and separation of anhydrous alkali metal sulfate and boric acid. 2,637,626, May 5.

Taylor, Donald S., Monrovia, and G. A. Connell, Los Angeles, Calif., assignors to Borax Consolidated, Limited, London, England. Stabilization of borax supersaturation in solutions. 2,662,810, Dec. 15.

Taylor, Dwight K.: *See*—
Grimm, Frank C., Jr., and Taylor.

Taylor, Earl L., Hanover County, Va. Expansible and contractible reel holder. 2,657,874, Nov. 3.

Taylor, Earl T., Beloit, Wis. Welted moccasin. 2,656,620, Oct. 27.

Taylor, Edmund R., Pelham, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave circuit stabilization means. 2,636,116, Apr. 21.

Taylor, Edward C., Hartford, Vt., assignor to Van Norman Company, Springfield, Mass. Method and apparatus for compensating for grinding wheel wear. 2,652,663, Sept. 22.

Taylor, Edward H., Winnetka, assignor to Taylor Forge & Pipe Works, Cicero, Ill. Pipe coupling. 2,650,115, Aug. 25.

Taylor, Edwin P.: *See*—
Eastland, Cyril J., Taylor, and Collier.

Taylor, Erle W.: *See*—
Kenyon, William O., Waugh, and Taylor.

Taylor, Ernest F.: *See*—
Bopp, Frederick W. and E. O., and Taylor.

Taylor, Etta M., Seattle, Wash. Safety stand for steam irons. 2,655,333, Oct. 13.

Taylor, Eugene D., Kenosha, Wis. Rotary reciprocating pump drive. 2,640,362, June 2.

Taylor Forge & Pipe Works, assignee: *See*—
Taylor, Edward H.

Taylor, Francis J., Jr.: *See*—
Stout, George P., Powell, and Taylor.

Taylor, Frank F., Company, The, assignee: *See*—
Gill, Donald W.

Taylor, Frend A., Jefferson, Ohio. Angularly adjustable saw guide with board clamp thereon. 2,655,956, Oct. 20.

Taylor, George A., Los Angeles, Calif. Headrest. 2,634,798, Apr 14.

Taylor, George E.: *See*—
Adams, James F., Bauer, and Taylor.

Taylor, George E., and L. P. Russe, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of m-dinitrobenzene. 2,643,271, June 23.

Taylor, George J.: *See*—
Dickey, Joseph B., and Taylor.

Taylor, Halsey W., assignor to Halsey W. Taylor Company, Warren, Ohio. Water cooler. 2,650,800, Sept. 1.

Taylor, Halsey W., Company, assignee: *See*—
Freer, Clyde P.
Taylor, Halsey W.

Taylor, Harlan D., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Boundary layer control for aircraft. 2,650,781, Sept. 1.

Taylor, Harry B., Ferry Hill, and A. J. Watts, Cambridge, England, assignors to General Electric Company. Ultrahigh-frequency transmission structure. 2,627,551, Feb. 3.

Taylor, Hugh B., Waverly, assignor to Ingersoll-Rand Company, New York, N. Y. Disengaging mechanism for multiple nut runners. 2,651,228, Sept. 8.

Taylor, Humphrey G., Lower Penn, near Wolverhampton, assignor to Welin Maclachlan Davits Limited, London, England. Gravity davit. 2,632,188, Mar. 24.

Taylor, Humphrey G., Lower Penn, near Wolverhampton, England. Ship's davit. 2,659,093, Nov. 17.

Taylor Instrument Companies, assignee: *See*—
Aldridge, Clarence F.
Barr, Elliott M.
Caldwell, William I.
Caldwell, William I., and Woodhull.
Clarridge, Ralph E.
Davidson, James R.
Eksten, Carl E., Jr.
Griswold, Augustus W.
Griswold, Augustus W., and Nichols.
Nichols, Nathaniel B.
Woodhull, Elliot H.
Zuehlke, Arthur A.

Taylor, James, and A. C. Hutchison, Saltcoats, Scotland, and I. Fageiston, London, England, said Taylor and said Hutchison assignors to Imperial Chemical Industries Limited. Power-gas generating device. 2,637,274, May 5.

Taylor, James, and A. C. Hutchison, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Gas-producing nondetonating composition. 2,653,086, Sept. 22.

Taylor, James E., New York, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Electrical rate generator. 2,629,859, Feb. 24.

Taylor, James E., New York, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Apparatus for converting direct current into alternating current. 2,659,043, Nov. 10.

Taylor, James H., Middletown Township, Monmouth County, N. J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Feeding and spreading device. 2,624,138, Jan. 6.

Taylor, James W., Brunswick, Ga. Heater for bottled beverages. 2,641,677, June 9.

Taylor, James Y., Garland, Tex. Indicating optical image projection apparatus for projectors. 2,663,220, Dec. 22.

Taylor, Jesse B., Greeley, Colo. Cheese slicer. 2,656,602, Oct. 27.

Taylor, Jim C., Oklahoma City, Okla. Intake manifold. 2,636,486, Apr. 28.

Taylor, John: *See*—
Cuppett, Charles H., and Taylor.

Taylor, John W., St. Joseph, assignor to Whitaker Cable Corporation, North Kansas City, Mo. Machine for stretching distensible sleeves. 2,632,239, Mar. 24.

Taylor, John W., Jr.: *See*—
Parnell, William S., and Taylor.

Taylor, John W., Jr., Baltimore, and W. S. Parnell, Arbutus, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Klystron oscillator. 2,648,005, Aug. 4.

Taylor, Joseph C., St. Louis, Mo., assignor, by mesne assignments, to Packard Motor Car Company, Detroit, Mich. Automatic transmission. 2,637,217, May 5.

Taylor, Joseph L.: *See*—
Price, Herbert K., and Taylor.

Taylor, Keith M., and H. M. Walker, Texas City, Tex., assignors to Monsanto Chemical Company, St. Louis, Mo. Purification of acrylonitrile. 2,653,966, Sept. 29.

Taylor, Lawrence B., Hillsborough, Calif., assignor to Friden Calculating Machine Co., Inc. Calculating machine keyboard. 2,628,030, Feb. 10.

Taylor, Lloyd G., Ellicott City, Md. Apparatus to promote controlled freezing. 2,633,006, Mar. 31.

Taylor, Marion D.: *See*—
Deahl, Thomas J., Stross, and Taylor.

Taylor, Marvin, Brooklyn, N. Y. Mechanism for power transmission. 2,639,631, May 26.

Taylor, Mary K.: *See*—
Stankiewicz, Evangeline R., and Taylor.

Taylor, Matthew M., Spondon, near Derby, England, assignor to British Celanese Limited. Reed for textile purposes and making same. 2,643,684, June 30.

Taylor, Maurice K., and I. N. Vaughan-Jones, assignors to Ferranti Limited, Hollinwood, England. Wave signal transponder system. 2,644,078, June 30.

Taylor, Merritt I., Richmond, Va. Combined honeycomb filler and honey heating machine. 2,629,885, Mar. 3.

Taylor, Milton C., West Palm Beach, Fla. Cable guide for cable layers. 2,649,746, Aug. 25

Taylor, Morris P., Palo Alto, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Fluid buffing device. 2,638,339, May 12.

Taylor, Neil B., assignor to Motorola, Inc., Chicago, Ill. Timing system. 2,650,333, Aug. 25.

Taylor, Newcomb D., Long Beach, assignor to The Hancock Oil Company of California, Signal Hill, Calif. Injection of additives into fluids being dispensed. 2,638,247, May 12.

Taylor, Norris O., Media, Pa. Means of applying a flux. 2,641,560, June 9.
Taylor, Oswald M., assignee: *See*—
Dales, John D.
Taylor, Paul H.: *See*—
Wales, George F., and Taylor.
Taylor, Paul H., Grand Island, assignor to Wales-Strippit Corporation, North Tonawanda, N. Y. Fluid motor. 2,648,949, Aug. 18.
Taylor, Paul H., Grand Island, assignor to Wales-Strippit Corporation, North Tonawanda, N. Y. Machine tool with liquid-spring actuated ram. 2,659,348, Nov. 17.
Taylor, Philip L., Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric circuit breaker with arcing contacts in skew blast. 2,645,695, July 14.
Taylor, Philip L., Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Exhaust passage and trap means coextensive with arc runners. 2,648,743, Aug. 11.
Taylor, Ralph E., Cleveland Heights, assignor to The Enamel Products Company, Cleveland, Ohio. Edge trim corner construction for table tops or the like. 2,642,326, June 16.
Taylor, Ralph G., Milford Station, Nova Scotia, Canada. Tire bead loosening lever. 2,660,229, Nov. 24.
Taylor, Ray M., Quakertown, Pa. Tensioning means for loom warp beams. 2,630,141, Mar. 3.
Taylor, Raymond G., Jr., A. B. McElroy, and R. C. Davis, assignors to The Guiberson Corporation, Dallas, Tex. Hoisting hook with a pivoted closure. 2,650,403, Sept. 1.
Taylor, Reginald, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Wiper-switching selector. 2,640,108, May 26.
Taylor, Richard D., Suffern, assignor to American Smelting and Refining Company, New York, N. Y. Sacrificial anode. 2,645,612, July 14.
Taylor, Robert B., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 2,646,540, July 21.
Taylor, Robert H., Perkins, assignor to Sacramento Pipe Works, Sacramento, Calif. Pipe welding machine. 2,635,573. Apr. 21.
Taylor, Roland C., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Inductance coil. 2,628,342, Feb. 10.
Taylor, Ruel E., Jr., South Weymouth, assignor to Mason-Neilan Regulator Company, Boston, Mass. Diaphragm motor for control valves and the like. 2,630,140, Mar. 3.
Taylor, Russell C., and L. J. Vincent, Granite City, assignors to American Steel foundries, Chicago, Ill. Accelerometer. 2,629,030, Feb. 17.
Taylor, S. G., Chain Company, assignee: *See*—
Foss, Ferdinand H. H.
Taylor Sales Engineering Corporation, assignee: *See*—
Haselwood, Willis E.
Taylor, Samuel, Santa Monica, Calif. Pointed tool. 2,651,840, Sept. 15.
Taylor, Scott V. E., Zanesville, Ohio. Automatic igniter. 2,632,322, Mar. 24.
Taylor, Taylor & Hobson Limited, assignee: *See*—
Clifford, Thomas W., and Mills.
Cook, Gordon H.
Wreathall, William M.
Taylor, Thomas D.: *See*—
Mueller, Charles W., and Taylor.
Taylor, Victor E., Nampa, Idaho, assignor of ten per cent to J. A. Brown, Burlingame, Calif., and ten per cent to A. H. Whitlatch, Nampa, Idaho. Automatic vehicle operated gate. 2,629,192, Feb. 24.
Taylor, Walter H., Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Alkaline electrical battery. 2,636,064, Apr. 21.
Taylor, Walter H., Williamstown, assignor to Sprague Electric Company, North Adams, Mass. Combined electrolytic barrier and electrolyte. 2,647,938, Aug. 4.
Taylor, Walter P., Jr., New York, N. Y. Winding. 2,634,916, Apr. 14.
Taylor, Walter P., Jr., New York, N. Y. Package. 2,634,922, Apr. 14.
Taylor, Walter P., Jr., New York, N. Y. Winding package. 2,634,923, Apr. 14.
Taylor, Walter P., Jr., and J. V. Whipple, assignors to W. P. Taylor, Jr., New York, N. Y. Winding machine. 2,634,918, Apr. 14.
Taylor, Warren G.: *See*—
Sanabria, Ulises A., Taylor, and Browning.
Taylor, Warren G., assignor to American Television, Inc., Chicago, Ill. Drying tenuous films. 2,634,510, Apr. 14.
Taylor, William F., Philadelphia, Pa., and E. K. Lotthammer, Jamaica, N. Y., said Lotthammer assignor to said Taylor. Child's garment rack. 2,645,357, July 14.
Taylor, William G., and C. W. Campbell, San Diego, Calif. Self-propelled woodworking and finishing machine. 2,639,741, May 26.
Taylor, William H.: *See*—
Schneider, Paul L., Cromwell, and Taylor.
Taylor, William H., Homestead, Fla., assignor of one-half to A. W. Hughes, Milwaukee, Wis. Meat chopping method and apparatus utilizing a centrifugally positioned knife within a rotating and foraminous basket. 2,637,359, May 5.
Taylor, William H., Mentor-on-the-Lake, Ohio. Poppet valve. 2,658,492, Nov. 10.
Taylor, William H., Jr., Dedham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fan. 2,637,486, May 5.
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of staple fiber products. 2,641,027, June 9.
Taylor, William I., and S. G. Hawtin, Spondon, near Derby, England, assignors to British Celanese Limited. Laundry calender tape. 2,647,845, Aug. 4.
Taylor, William J., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Explosive. 2,654,666, Oct. 6.
Taylor, William T., Marks, Miss. Means for converting liquid fuel. 2,637,173, May 5.
Taylor-Winfield Corporation, The, assignee: *See*—
Cooper, Joseph H.
Geiszler, Albert R., and Conklin.
Mallett, Edwin A., and Seeloff.
Riley, Joseph J., and Alm.
Riley, Joseph J., and Dustman.
Ringsmith, Oliver F.
Seeloff, Melvin M., and Anderson
Tcheong, Joana d'A. Y. H., Bangkok, Siam. Washing apparatus with cushion and drainage facilities. 2,658,512, Nov. 10.
Tea, Clark A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Shock absorber. 2,631,694, Mar. 17.
Teach, Max K., assignor to The Columbus Show Case Company, Columbus, Ohio. Tiltable merchandise supporting means for store-employed display. 2,648,583, Aug. 11.
Teague, Albert B.: *See*—
Quereau, John F., and Teague.
Teague, Christine G., trustee, assignee: *See*—
House, Samuel G., and Hobbs.
Teague, Ernest D., Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,624,660, Jan. 6.
Teague, Ernest D., Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,652,320, Sept. 15.
Teague, Ernest D., Welwyn Garden City, England, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,652,321, Sept. 15.
Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrohydraulic servo unit. 2,628,594, Feb. 17.
Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Suction regulating valve. 2,638,107, May 12.
Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pump unloading valve. 2,639,722, May 26.
Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Oil cooler protective means. 2,647,730, Aug. 4.
Teague, Walter D., Jr., Alpine, and E. A. Volk, Jr., Hasbrouck Heights, assignors to Bendix Aviation Corporation, Teterboro, N. J. Self-contained power unit. 2,642,543, June 16.
Teague, William F., assignee: *See*—
Posch, Rudolph A.
Teahen, James M., Detroit, assignor of one-fourth to J. M. Teahen, Jr., Owosso, one-fourth to M. E. Teahen, Detroit, Mich., and one-fourth to M. E. Conrad, Wooster, Ohio. Flushing valve for water closet tanks. 2,632,895, Mar. 31.
Teahen, James M., Jr., assignee: *See*—
Teahen, James M.
Teahen, Margaret E., assignee: *See*—
Teahen, James M.
Teal, Gordon K.: *See*—
Bond, Walter L., Sparks, and Teal.
Rulison, Raymond L., and Teal.
Sparks, Morgan, and Teal.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of two-sided mosaic. 2,650,191, Aug. 25.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of apertured metal screens. 2,662,274, Dec. 15.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of two-sided mosaic screen. 2,662,852, Dec. 15.
Teal, Paul, Walla Walla, Wash. Automatic brake hitch assembly for trailers. 2,642,961, June 23.
Teal, Roy H., La Grange, Ga. Dispenser for collapsible tubes. 2,643,795, June 30.
Teale, Benjamin E., Dalton, Mass. Papermaking apparatus. 2,630,045, Mar. 3.
Teale, Benjamin E., Dalton, Mass. Papermaking apparatus. 2,637,250, May 5.
Teale, Robert R., Snyder, assignor to National Gypsum Company, Buffalo, N. Y. Pin mixer. 2,639,901, May 26.
Teale, Robert R., Snyder, assignor to National Gypsum Company, Buffalo, N. Y. Pin mixer. 2,641,453, June 9.
Teall, Oliver E., Phoenix, assignor of one-third to W. Edds, Seneca Falls, and one-third to D. Cruthley, Cicero, N. Y. Machine for cutting tissue. 2,627,922, Feb. 10.

Teall, Oliver E., Phoenix, assignor of one-third to W. Edds, Seneca Falls, and one-third to D. Crutchley, Cicero, N. Y. Web interfolding apparatus and method. 2,642,279, June 16.
Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Automatic control apparatus for centralized lubricating systems. 2,635,710, Apr. 21.
Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Relief device for lubricating systems. 2,643,739, June 30.
Tease, Samuel C.: *See*—
Rutherford, Charles F., Tease, and Troxell.
Teather, Harry G., assignor to Precision Diamond Products Ltd., London, England. Abrasive wheel dressing tool. 2,660,994, Dec. 1.
Tebbetts, Herbert E., Jr., Whittier, assignor to W. J. Voit Rubber Corporation, Los Angeles, Calif. Ball tethering device. 2,653,817, Sept. 29.
Tebbetts, Herbert E., Jr., Whittier, and A. F. Reznicek, Altadena, assignors to W. J. Voit Rubber Corporation, Los Angeles, Calif.. Fabric reinforced football. 2,653,818, Sept. 29.
Tecalemit Limited, assignee: *See*—
Le Clair, Camille C., and Sprankling.
Techag, A. G., assignee: *See*—
Valentini, Aldo, and Oertli.
Technical Assets, Inc., assignee: *See*—
Chilowsky, Constantin.
Von Ediger, Wladimir.
Technical Glass Company, Inc., assignee: *See*—
Netschert, Franz.
Technical Instrument Laboratory, assignee: *See*—
Wilcox, John S.
Technical Service Corporation, assignee: *See*—
Norsworthy, Arthur C., Meidinger, Mayo and Seyffert.
Technicolor Motion Picture Corporation, assignee: *See*—
Clark, Lauriston E., and Kelly.
Geer, Charles W.
Pohl, Wadsworth E.
Technicon Cardiograph Corporation, assignee: *See*—
Cloud, Jerry L., and Marchand.
Gorham, George.
Lukacs, Joseph.
Marchand, Nathan.
Pelavin, Milton H.
Technicon Chemical Company, Inc., assignee: *See*—
Ferrari, Andrés, Jr.
Technicon Chromatography Corporation, assignee: *See*—
Gorham, George.
Technology Instrument Corporation, assignee: *See*—
Mairs, William J.
Tectum Corporation, assignee: *See*—
Collins, Howard W.
Tecumseh Products Company, assignee: *See*—
Higham, William W.
Tedder, Norman E., Tulsa, Okla. Vehicle door surface protecting shield. 2,636,209, Apr. 28.
Te Desco, Lawrence, Frank, Pa. Skull crusher. 2,646,225, July 21.
Tedrow, Harvey L., Denver, Colo. Device for setting timbers and the like. 2,634,873, Apr. 14.
Teegardin, Lester A.: *See*—
Scheidt, Joseph, and Teegardin.
Teeple, John H.: *See*—
Strickler, Allen, and Teeple.
Teeter, Howard M., and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Polyamide resins. 2,641,593, June 9.
Teeter, Howard M., and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Alkyl acyloxy stearates. 2,652,411, Sept. 15.
Teetor, Macy O., New Orleans, La., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston ring assembly. 2,642,324, June 16.
Teetor, Paul, Somerville, C. Grove, Basking Ridge, and C. W. Heller, Bound Brook, N. J., assignors to Central Commercial Company, Chicago, Ill. Coating mineral granules. 2,658,838, Nov. 10.
Teetor, Ralph R., assignor to Perfect Circle Corporation, Hagerstown, Ind. Piston ring. 2,631,908, Mar. 17.
Teetor, Ralph R., assignor to Perfect Circle Corporation, Hagerstown, Ind. Knurling machine. 2,657,598, Nov. 3.
Teetsel, Ralph T., Springfield, Pa., assignor to Better Brushes, Incorporated, Palmer, Mass. Cylindrical hairbrush construction. 2,648,082, Aug. 11.
Tefft, Ivan D.: *See*—
Howland, William R., and Tefft.
Tegge, Bruce R., Chatham, N. J., assignor to Standard Oil Development Company. Continuous process for copolymerizing styrene and isobutylene. 2,643,993, June 30.
Te Grotenhuis, Theodore A., Olmsted Falls, Ohio. Making rubbery compounds suitable for production of tire treads. 2,656,324. Oct. 20.
Te Grotenhuis, Theodore A., Olmsted Falls, and G. H. Swart, assignors to The General Tire and Rubber Company, Akron, Ohio. Crosslinking organo-polysulfide rubber. 2,631,994, Mar. 17.

Te Grotenhuis, Theodore A., Olmstead Falls, and G. H. Swart, assignors to The General Tire and Rubber Company, Akron, Ohio. Resinous copolymers of nuclearly polysubstituted isopropenyl benzenes. 2,645,632, July 14.
Teichmann, Charles F., Crestwood, assignor to Texaco Development Corporation, New York, N. Y. Microphone. 2,648,828, Aug. 11.
Teichmann, Charles F., Crestwood, assignor to Texaco Development Corporation, New York, N. Y. Generation of carbon monoxide and hydrogen. 2,660,521, Nov. 24.
Teichmann, Charles F., Mount Vernon, assignor to Texaco Development Corporation, New York, N. Y. Drilling wells. 2,651,500, Sept. 8.
Teigman, Max, New York, N. Y. Automatic variable drive. Re. 23,728, Oct. 27.
Teillaud, Gaston Q., West Chicago, Ill. Cosmetic make-up template. 2,628,626, Feb. 17.
Teissier, Emmanuel: *See*—
De Lacotte, Robert H., and Teissier.
Teitel, Sidney: *See*—
Goldberg, Moses W., and Teitel.
Teitelbaum, Albert, Los Angeles, Calif. Garment construction. 2,637,039, May 5.
Teitelbaum, Joseph, Brooklyn, N. Y. Display sign. 2,648,537, Aug. 11.
Tel-All Corporation, assignee: *See*—
Stern, Max, and Alexander.
Tel-A-Tale Motion Sign Corp., The, assignee: *See*—
O'Gorman, William F.
Tele King Corporation, assignee: *See*—
Morris, Myron J.
Oestreicher, Warren J.
Telecky, Elmer G., Hutchinson, and E. Habisch, Winsted, Minn. Electric fence wire attaching means. 2,626,304, Jan. 20.
Teledetector, Inc., assignee: *See*—
McKee, Chester W. and R. W.
Teleflex Products Limited, assignee: *See*—
Bentley, James S.
Telefonaktiebolaget L M Ericsson, assignee: *See*—
Akerlind, Hilmer G. A.
Ericsson, Eric A., Hullegård, and Jacobaeus.
Ericsson, Eric A., Jörgensen, and Överby.
Ericsson, Eric A. W., and Atterling.
Lindström, Nils G.
Sternbeck, Olaf.
Styrén, Knut O. I., and Jefferson.
Telegraph Construction & Maintenance Company, Limited, assignee: *See*—
Mildner, Raymond C., and Lovelace.
Presswell, Richard W.
Smith, Esmond W., and Jones.
Telephone Manufacturing Company Limited, assignee: *See*—
Brookes, Maurice M., and Rommel.
Rommel, Frederick E.
Saraga, Wolja.
Telephonics Corporation, assignee: *See*—
Montalto, George J.
Teleprompter Corporation, assignee: *See*—
Barkau, Fred H.
Teletone Radio Corporation, assignee: *See*—
Fogel, Henry.
Teletype Corporation, assignee: *See*—
De Boo, Jerome L.
De Boo, Jerome L., and Swan.
Halvorsen, Ralph H.
Hansen, Theodore A.
Madsen, Berthel F.
Martindell, Frank.
Moebius, Frederick C.
Potts, Louis M.
Swan, Carl W.
Zenner, Walter J.
Teletypesetter Corporation, assignee: *See*—
Doerrfeld, Robert L.
Television Associates, Inc., assignee: *See*—
Eddy, William C.
Tellegen, Bernardus D. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Passive four terminal network for gyrating a current into a voltage. 2,647,239, July 28.
Tellier, Andries W., Hilversum, Netherlands. Suction box. 2,658,789, Nov. 10.
Templar, Robert W., West Sacramento, Calif. Device for freezing and dispensing ice cubes. 2,654,228, Oct. 6.
Temple, Arthur, Jr., assignee: *See*—
Bovay, Harry E., Jr., Lawler, and Wheeler.
Temple, Frank H.: *See*—
Lange, Frederick J., and Temple.
Temple, Franklin O., Glendale, Calif. Electrical high-frequency heating apparatus. 2,636,107, Apr. 21.
Temple, Hiram E., Los Angeles, and G. E. Tench, South Pasadena, Calif., assignors, by mesne assignments, to Baker Perkins, Inc., New York, N. Y. Automatic oven unloader. 2,633,258, Mar. 31.
Temple, Kenneth L.: *See*—
Wolfe, John K., and Temple.

Temple, Lemuel M., North Haven, assignor to Olin Industries, Inc., New Haven, Conn. Battery connection. 2,649,493, Aug. 18.
Temple, Phillip, Williams Lake, British Columbia, Canada. Wall-outlet box. 2,642,201, June 16.
Temple, Sidney J., Swissvale, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,625,634, Jan. 12.
Temple, Sidney J., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,635,163, Apr. 14.
Templeman, John P., assignor to Superior Hand Brake Co., Chicago, Ill. Railway car hand brake. 2,646,695, July 28.
Templeton, Herbert W., Detroit, Mich., assignor to Fairmont Railway Motors, Inc., Fairmont, Minn. Vehicle structure. 2,655,872, Oct. 20.
Templeton, John B., Dallas, Tex. Bridge construction. 2,641,784, June 16.
Templeton, John B., Dallas, Tex. Erecting and positioning marine structures. 2,657,540, Nov. 3.
Templeton, Robert A. S., assignor to The Farmers' Marketing and Supply Company Limited, London, England. Drying of vegetables. 2,630,391, Mar. 3.
Templeton, William E., Lexington, Ohio. Apparatus for spreading manure. 2,653,028, Sept. 22.
Templin, Richard L., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Extensometer calibrating instrument. 2,627,661, Feb. 10.
Tenak Products Company, assignee: *See*— Libberton, Herbert.
Tenbrink, Everett W., Dodge City, Kans. Tractor engine starting apparatus. 2,638,002, May 12.
Tench, George E.: *See*— Temple, Hiram E., and Tench.
Tenderet Sales Company, assignee: *See*— Starzyk, Frederick F.
Tenenbaum, Leon E., Brooklyn, and J. V. Scudi, New York, assignors to Nepera Chemical Co. Inc., Nepera Park, Yonkers, N. Y. 1,3-dioxolane derivatives and preparing the same. 2,636,884, Apr. 28.
Tener, Graydon B., Edgeworth, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Repeater for rolling mills. 2,629,273, Feb. 24.
Tenge, William P., St. Louis, Mo., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Floating inner sole binding gauge. 2,651,793, Sept. 15.
Tengstedt, Karl H.: *See*— Peper, Henry M., and Tengstedt.
Ten Have, Petrus, Wijk Maastricht, assignor to Rubberstichting, Delft, Netherlands. Aqueous coating compositions from chlorinated emulsifier-stabilized latex. 2,663,747, Dec. 22.
Tennant, A. S., assignee: *See*— Auldridge, Dexter D.
Tennant, G. H., Company, assignee: *See*— Luksch, Andreas, and Hale.
Tennant, Richard T.: *See*— Johnson, Lloyd F., and Tennant.
Tennessee Corporation, assignee: *See*— Winter, Ernest A.
Tennessee Valley Authority, assignee: *See*— Banks, Mason K.
Edwards, Lee A.
Gillham, Willard C., and Hendrix.
Haseman, Joseph F.
Morris, Paul.
Smith, Daniel W., and Hall.
Tennet, William: *See*— Berindei, Matthew, and Tennet.
Tenney, William L., Crystal Bay, Minn., and C. B. Marks, Las Vegas, Nev., said Marks assignor to said Tenney. Multiple tail pipe jet. 2,633,703, Apr. 7.
Tennison, James D., Jr., Memphis, Tenn. Coupling for joining lengths of trough gutters. 2,639,680, May 26.
Tenny, Allen R., assignor to Van Arsdale Corporation, Allentown, Pa. Rotary abrasive head. 2,625,774, Jan. 20.
Tension Envelope Corporation, assignee: *See*— Hiersteiner, Walter.
Teot, Arthur S.: *See*— Griess, Gerald A., and Teot.
Teot, Arthur S., and G. C. Wiggins, assignors to The Dow Chemical Company, Midland, Mich. Production of water-soluble resin sulphonates. 2,640,820, June 2.
Teplanszki, George J.: *See*— Spector, Sam, and Teplanszki.
Teplitz, Alfred: *See*— Neander, Karl O., and Teplitz.
Orr, Howard S., and Teplitz.
Tepper, Joseph S., Monrovia, Calif. Safety rail attachment for stepladders. 2,640,641, June 2.
Terdina, Frank, assignor to Boeing Airplane Company, Seattle, Wash. Dual screw drive. 2,630,022, Mar. 3.
Ter Horst, William P., Lewiston, and W. K. Cline, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Producing trichloromethane sulfonyl chloride. 2,664,443, Dec. 29.
Terhune, George A., Jr.: *See*— Denton, Charles B., and Terhune.
Terhune, Howard, Alliance, Ohio, assignor to Hydropress Inc., New York, N. Y. Liquid pressure transmission system. 2,655,002, Oct. 13.
Terhune, Virginia, East Cleveland, assignor to The Victoreen Instrument Company, Cleveland, Ohio. Etching and polishing aluminum. 2,657,981, Nov. 3.
Terlecki, Renat, assignor to British Telecommunications Research Limited, Taplow, England. Tuning indicator for frequency shift telegraph systems. 2,656,415, Oct. 20.
Ter Meer, Herman, assignor to National Brass Company, Grand Rapids, Mich. Friction latch. 2,659,620, Nov. 17.
Terminal Warehouse Company, assignee: *See*— Dickson, Benjamin A.
Terp, Norman T.: *See*— Illian, Douglas F., and Terp.
Terpstra, Marrine A., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of para-aminosalicylic acid and its alkali metal salts. 2,658,073, Nov. 3.
Terrell Machine Company, The, assignee: *See*— Ferguson, Richard.
Terreson, James H., Pascagoula, Miss. Mechanical hobbyhorse. 2,637,554, May 5.
Terrill, Thomas S., Redding, Calif. Lumber counting and computing device. 2,656,105, Oct. 20.
Terry, David E., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Preparation of saturated fatty acids of improved color and color stability. 2,652,414, Sept. 15.
Terry, H. Sue, executrix: *See*— Terry, Robert W.
Terry, Loren B., Webb City, Mo. Two-cycle internal-combustion engine. 2,632,429, Mar. 24.
Terry, Loren R., Webb City, Mo. Aircraft having reversible jet-propelled rotor blade. 2,653,779, Sept. 29.
Terry, Mildred B., assignor to Clikpleet, Inc., New York, N. Y. Pleated skirt. 2,646,571, July 28.
Terry, Paul A., Lynwood, Calif., assignor of one-half to H. A. Huebner and A. M. Herzig. Hinge construction for elevating chair seats. 2,646,106, July 21.
Terry, Robert W., deceased, Columbus, Ohio., by H. S. Terry, executrix. Electrically heated device for antigen tests. 2,634,359, Apr. 7.
Terry, Roger M.: *See*— Kulberg, August E., Terry, and Swasey.
Terry, Samuel M., Columbus, assignor, by mesne assignments, to The United States Playing Card Company, Cincinnati, Ohio., and National Publishing Company, Philadelphia, Pa. Decorating strip with heat activated adhesive. 2,635,074, Apr. 21.
Terry, Stanley M., Toledo, Ohio. Sealed bearing for rotatable shafts with lubricators. 2,639,204, May 19.
Terry, Victor J., J. D. Holland, and I. R. J. James, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Telegraph receiver. 2,629,776, Feb. 24.
Terry, Victor J., and R. Kelly, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric power supply equipment. 2,642,558, June 16.
Terry, Warren, Kansas City, Mo. Collapsible basket. 2,655,970, Oct. 20.
Ter Veen, Louis A. G.: *See*— Schultheis, Harry B., and ter Veen.
Ter Veen, Louis A. G., assignor to Bendix Aviation Corporation, North Hollywood, Calif. High-frequency variable coupling structure. 2,660,714, Nov. 24.
Terwilliger, David D., Baltimore, H. Mazur, Baltimore County, and L. L. Jackson, Jr., Towson, assignors to The Glenn L. Martin Company, Middle River, Md. Gun control system. 2,628,535, Feb. 17.
Tesa S. A., assignee: *See*— De Mestral, George.
Tescher Corporation, assignee: *See*— Tescher, Gordon L.
Tescher, Gordon L., assignor to Tescher Corporation, Anderson, Ind. Poppet valve assembly. 2,625,364, Jan. 13.
Tesla, Narodni Podnik, assignee: *See*— Ezr, Karel.
Hájek, Karel.
Tesla, National Corporation, assignee: *See*— Vackář, Jiří.
Tessier, Noel, and N. Blacker, Chicago, Ill. Hand truck. 2,649,981, Aug. 25.
Test, Meyer J.: *See*— Krasnow, Shelley, and Test.
Testi, Nicholas, Boston, Mass., assignor to The Gillette Company. Dispensing magazine for safety razor blades. 2,636,596, Apr. 28.
Testi, Nicholas, assignor to The Gillette Company, Boston, Mass. Blade dispensing magazine. 2,646,874, July 28.
Testi, Nicholas, Boston, Mass., assignor to The Gillette Company. Blade dispensing magazine. 2,655,257, Oct. 13.
Testori, Edoardo, Milan, Italy. Progressive variable speed drive capable of reverse rotation. 2,653,490, Sept. 29.
Te Strake, Lambertus, Deurne, Netherlands. Thread tensioning device. 2,640,662, June 2.
Te Strake, Lambertus, Deurne, Netherlands. Device for confining the thread balloon with a pay-off bobbin. 2,654,551, Oct. 6.
Te Strake, Lambertus, Deurne, Netherlands. Flat warp-knitting machine. 2,663,173, Dec. 22.

Teszner, Stanislas, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Lightning arrester. 2,659,842, Nov. 17.
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Aerogel diffusion unit. 2,627,933, Feb. 10.
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of nitrogen containing compounds from ammonia and olefins. 2,643,266, June 23.
Teter, John W., and L. E. Olson, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Cobalt magnesia-kieselguhr catalyst. 2,658,041, Nov. 3.
Tetrault, Andrew T., Indian Orchard, Mass. Safety switch for welding holders. 2,655,580, Oct. 13.
Teubner, Edmund E., Philadelphia, assignor to Method-X Company, Lansdale, Pa. Method and apparatus for electrically disintegrating metallic material. 2,650,979, Sept. 1.
Teunissen, Pieter H., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Preparation of straw cellulose. 2,662,012, Dec. 8.
Tevebaugh, Arthur D., Ames, Iowa, and F. Vaslow, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Production of uranium tetrafluoride. 2,638,406, May 12.
Tevea, Marten C., and T. Tol, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron-optical image intensifier. 2,663,814, Dec. 22.
Te Winkel, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Negative feedback amplifier circuit. 2,657,282, Oct. 27.
Tewksbury, Lyndon B., Jr., Potsdam, N. Y., and S. S. Heikkila, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Dithiocarbamates and derivatives thereof. 2,640,834, June 2.
Texaco Development Corporation, assignee: *See*— Gee, William P.
Gross, Howard H.
Kiersted, Wynkoop, Jr., and Gross.
Robinson, William W., Jr.
Teichmann, Charles F.
Zo Bell, Claude E.
Texas A. & M. Research Foundation, assignee: *See*— Jensen, Frederick W.
Knowlton, Richard L.
Texas Acidizers, Incorporated, assignee: *See*— Core, Clark D., and Jones.
Texas Company, The, assignee: *See*— Arnold, George B., and Hess.
Arnold, George B., Hess, and Skelton.
Arnold, George B., Hess, Skelton, and Overbaugh.
Arnold, George B., and Kovach.
Arnold, George B., Truitt, and Hess.
Atwell, Harold V.
Beck, Roland A., and Sensel.
Conary, Robert E., and McCleary.
Cowles, Laurence G.
Crumrine, Kenneth C.
Crumrine, Kenneth C., and Mazzagatti.
De Juhasz, Kalman J.
Deutser, Alton J., and Crookshank.
Dilworth, John P.
Dilworth, John P., and Culnane.
Dilworth, John P., Eckert, and Coppoc.
Eastman, du Bois.
Eastman, du Bois, and Gaucher.
Eckert, George W.
Elmer, Otto C.
Evans, Leon M.
Fairbairn, George C., and Putnam.
Gaucher, Leon P.
Hatch, George B.
Herzog, Gerhard.
Herzog, Gerhard, and Lee.
Herzog, Gerhard, and Mazzagatti.
Herzog, Gerhard, and McKay.
Hess, Howard V., and Arnold.
Hess, Howard V., Arnold, and Drabkin.
Hess, Howard V., Arnold, and Kovach.
Hess, Howard V., Arnold, Skelton, and Overbaugh.
Hutcheson, John W., and Knowles.
Keating, Patrick J., Jr.
Keith, John W.
Kendall, Marcus T.
Kirsch, Howard A., Skelton, and Overbaugh.
Kreuz, Kenneth L., and Hurd.
La Mulle, Bernie P.
Lee, Burton D.
Malin, Jay B.
McKellin, Wilbur H., Bordwell, and Fishkill.
McKinley, John K., Scott, Goff, and Nelson.
Meadows, James L., Howell, Starts, and Miller.
Moore, Frank J., and Hess.
Moore, Frederic H.
Morris, John R., and Roach.
Naragon, Ernest A., Vergilio, and Millendorf.
Pevere, Ernest F., Arnold, and Hess.
Pevere, Ernest F., Hess, and Arnold.
Roddy, Thomas C., Jr.
Texas Company, The, assignee: *See*—Continued. Romberg, Joseph W.
Romberg, Joseph W., and Traxler.
Rosenthal, Robert W.
Sanderson, Robert T.
Sensel, Eugene E.
Skelton, William E., Hess, Arnold, and Mahan.
Towne, Charles C.
Watson, Claude W.
Texas Gulf Sulphur Company, assignee: *See*— Patton, Richard A.
Texas Instruments Incorporated, assignee: *See*— Haggerty, Patrick E.
Olson, Robert W.
Perry, Edward G., Jr., and Olson.
Texsun Citrus Exchange, assignee: *See*— Burdick, Everette M., and Maurer.
Textilana, Inc., assignee: *See*— Ernst, Robert, and Loeff.
Textile and Chemical Research Company, Limited, assignee: *See*— Drisch, Nicolas.
Textile Engineering Corporation, assignee: *See*— Butler, Richard K.
Cotchett, Louis M.
Cotchett, Louis M., and Butler.
Swanson, Kenneth P.
Textile Machine Works, assignee: *See*— Bitzer, Gottlob.
Bitzer, Gottlob, Pingel, and Fegley.
Esche, Kurt G.
Haehnel, Herbert E.
Newton, Charles G.
Schmidt, Otto M.
Schmidt, Paul.
Textile Marking Machine Co. Inc., assignee: *See*— Braun, Philip N.
Textile Trimming & Boarding Machine Company, assignee: *See*— Stout, Harold E.
Textile Trimming & Boarding Machine Co., Inc., assignee: *See*— Leonard, William T.
Textuff Limited, assignee: *See*— Stanton, William R.
Th. Goldschmidt A.-G., assignee: *See*— Bungardt, Walter.
Thacker, Loma E., Mountain Home, Tenn. Animal simulating tricycle attachment. 2,626,161, Jan. 20.
Thacker, Millard F., Fort Sam Houston, Tex. Insignia placing device for combat jackets. 2,637,909, May 12.
Thacker, Ned A.: *See*— Davis, Chester, and Thacker.
Thal, Otto F. W.: *See*— Harding, George N., and Thal.
Thalmann, Emil, Kobel, Uzwil, assignor to G. Buhler, Uzwil, Switzerland. Die-head gasket for spaghetti extrusion presses. 2,642,016, June 16.
Tharp, Alva W.: *See*— Smith, William M., Freeberg, and Tharp.
Tharp, Nelson B., Ellicott City, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Balanced circuit for radio apparatus. 2,651,685, Sept. 8.
Thatcher, Charles A., Medford, Oreg. Combined portable table and cabinet. 2,662,989, Dec. 15.
Thatcher, Charles J., New York, N. Y. Method and system for air conditioning. 2,653,012, Sept. 22.
Thatcher, Lewis E.: *See*— Weaver, Ruth K., Wingblade, and Thatcher.
Thatcher, Lewis E., assignor to Gaylord Products, Incorporated, Chicago, Ill. Pin curl clip. 2,641,266, June 9.
Thaulow, Sven, Royken, Norway. Producing test specimens of concrete for pressure tests. 2,644,220, July 7.
Thayer, Arthur G., Rossford, Ohio. Collapsible cot. 2,646,577, July 28.
Thayer, Chester L., Memphis, Tenn. Miter box for portable power saws. 2,656,860, Oct. 27.
Thayer Company, assignee: *See*— Troendle, William C.
Thayer, James A.: *See*— Aske, Leonard E., and Thayer.
Thayer, John M. and M. M., Fort Belvoir, Va. Holder for paper disposal bags. 2,650,784, Sept. 1.
Thayer, Josephus J., middlebury, Conn. Weighing machine. 2,646,270, July 21.
Thayer, Mary M.: *See*— Thayer, John M. and M. M.
Thayer, Richard N., Cleveland Heights, Ohio, assignor to General Electric Company. Thermal inertia lamp cathode testing. 2,664,543, Dec. 29.
Thébault, Louis, Sucy-en-Brie, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny et Cirey, Paris, France. Apparatus for the delivery of articles to conveyors. 2,633,224, Mar. 31.
Thede, Vernon M., Muscatine, Iowa. Drive-over metal cattle gate. 2,644,674, July 7.
Thelle, Richard, assignor to Cathodeon Limited, Cambridge, England. Television transmission from intermittent film by means of pulsed pickup tube. 2,651,674, Sept. 8.
Theller, Roland R.: *See*— Gentry, Allen E., and Theller.

Thelsen, John P., Columbus, Ind., assignor to Arvin Industries, Inc. Toaster and electronic timer. 2,631,524, Mar. 17.

Thelander, Adolph F., Grosse Pointe, Mich., assignor to National Steel Corporation. Building construction. 2,629,130, Feb. 24.

Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch plate. 2,658,598, Nov. 10.

Thelning, Curt L., Stockholm, Sweden. Machine spindle device. 2,625,845, Jan. 20.

Theobald, Clement W.: *See*—
Gray, Hugh W., and Theobald.

Theobald, Louis R., Sr., assignor of fifty percent to J. W. McCleskey, Sr., Hattiesburg, Miss. Can cap with receptacle. 2,643,789, June 30.

Theobald, Wilbert E., assignor to Standard Cabinet Manufacturing Company, Inc., Peru, Ind. Cabinet. 2,637,615, May 5.

Therma Fabrik für elektrische Heizung A. G., assignee: *See*—
Dietler, Hans.

Thermac Company, assignee: *See*—
Paille, Eugene.

Thermactor Company, assignee: *See*—
Ackley, Charles S.

Thermal Research and Engineering Corp., assignee: *See*—
Brzozowski, Witold.

Thermal Syndicate Limited, The, assignee: *See*—
Irving, Robert.

Thermix Corporation, The, assignee: *See*—
McBride, Charles B., and Best.
McBride, Charles B., Best, and Orem.

Thermo-Fluid Corporation, assignee: *See*—
Creskoff, Jacob J.

Thermoflux Products Inc., assignee: *See*—
Williams, Harrison L.

Therrien, Louis A., Pittsford, Vt. Reel holder for barbed wire. 2,664,253, Dec. 29.

Therrien, Robert F., Toledo, Ohio. Expansible pipe-cleaning knife. 2,628,380, Feb. 17.

Thew Shovel Company, The, assignee: *See*—
Johnson, Paul.
Maas, Theodore J.
Zellman, Roy H.

Thexton Manufacturing Company, assignee: *See*—
Worel, Glen J.

Thias, Edwin P.: *See*—
Swanson, Glen E., and Thias.

Thias, Edwin P., Los Angeles, Calif., assignor to Standard Coil Products Co., Inc., Chicago, Ill. Ultra high-frequency coupling means. 2,648,814, Aug. 11.

Thias, Edwin P., Los Angeles, T. L. Fischer, South Gate, T. F. Gossard, North Hollywood, and W. W. White, Altadena, assignors to Standard Coil Products Co. Inc., Los Angeles, Calif. Television booster circuit. 2,650,298, Aug. 25.

Thibault, Arthur J.: *See*—
Stearns, Frank H., and Thibault.

Thibault, Harrison N.: *See*—
Donoghue, Florence F., and Thibault.

Thibault, Joseph O., assignor to Casco Products Corporation, Bridgeport, Conn. Steam electric flatiron for domestic household use. 2,653,398, Sept. 29.

Thibault, Joseph O., assignor to Casco Products Corporation, Bridgeport, Conn. Electric steam iron. 2,655,745, Oct. 20.

Thibon, Honoré J., and H. J. P. Mathieu, Gardanne, France, assignors to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Alumina-base fillers for rubber compositions. 2,656,250, Oct. 20.

Thiébaud, Henri, Biel, Switzerland, assignor to The Gruen Watch Co., Cincinnati, Ohio. Watch movement having an automatic winding mechanism. 2,661,591, Dec. 8.

Thiebaud, Henry, assignee: *See*—
Dapoz, Max.

Thiel, Joseph A., St. Louis, Mo. Staple. 2,632,356, Mar. 24.

Thiele, Berthold R., Ripon, Wis., assignor to Speed Queen Corporation. Carpet sweeper. 2,645,798, July 21.

Thiele, Berthold R., assignor to Speed Queen Corporation, Ripon, Wis. Carpet sweeper casing. 2,655,677, Oct. 20.

Thiele, Berthold R., assignor to Speed Queen Corporation, Ripon, Wis. Carpet sweeper and control. 2,663,888, Dec. 29.

Thiele, Henry F., Jr.: *See*—
Cooksey, Otha.

Thiele, Wolfgang E., assignor to A. C. J. Opfermann, Bergisch-Gladbach, Germany. Preparation of acetals. 2,662,099, Dec. 8.

Thielers, Gustav, and E. Sjökvist, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Low-frequency two-phase commutator machine. 2,652,508, Sept. 15.

Thieman, John B., assignor of one-third to E. F. Ries and one-third to C. L. Hall, Cincinnati, Ohio. Mechanical walker for invalids. 2,627,904, Feb. 10.

Thiemann, Hugo E. W.: *See*—
Hetzel, Max. Mast, and Thiemann.

Thierfelder, Charles W., Lancaster, Pa., assignor to Radio Corporation of America. Luminescent screen composition. 2,654,675, Oct. 6.

Thilmany Pulp & Paper Company, assignee: *See*—
Seaborne, Charles R.

Thirtle, John R.: *See*—
Weissberger, Arnold, and Thirtle.
Weissberger, Arnold, Thirtle, and Bent.

Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for making precision antivibration mountings. 2,641,053, June 9.

Thiry, Leon F., Montclair, N. J. Flanged rubber joint. 2,661,969, Dec. 8.

Thodos, George, Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of nitrogen from natural gas. 2,656,010, Oct. 20.

Thom, John M., Haines, Oreg. Apparatus for salvaging beehive frames and beeswax. 2,624,353, Jan. 6.

Thom, Melvin A., Brighton, N. Y. Tensioning mechanism for winding machines. 2,661,914, Dec. 8.

Thom, Melvin A., Brighton, N. Y. Drying coated resistors. 2,664,364, Dec. 29.

Thom, Melvin A., Rochester, N. Y. Electrical resistor and making same. 2,640,132, May 26.

Thomann, Fred A., Des Moines, assignor to Deere Manufacturing Co., Dubuque, Iowa. Cotton-catching shelf means for the plant passage of cotton pickers. 2,635,409, Apr. 21.

Thomaras, Brinzie A., Detroit, Mich. Portable refrigerator construction. 2,642,728, June 23.

Thomas, Albert, and L. R. Fellows, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Mounting of turbine blades. 2,643,086, June 23.

Thomas, Albert G., Lynchburg, Va., assignor, by mesne assignments, to Kearney & Trecker Corporation, West Allis, Wis. Magnetic motor. 2,631,264, Mar. 10.

Thomas, Arthur, Wallington, assignor to Powers-Samas Accounting Machines Limited, London, England. Statistical machine. 2,636,675, Apr. 28.

Thomas, Arthur, Wallington, assignor to Powers-Samas Accounting Machines Limited, London, England. Accumulator for use in statistical machines. 2,638,275, May 12.

Thomas, Arthur, Wallington, and F. S. Rhodes, Thornton Heath, assignors to Powers-Samas Accounting Machines Limited, London, England. Statistical machine. 2,633,239, Mar. 31.

Thomas, Arthur, Wallington, and F. S. Rhodes, Thornton Heath, assignors to Powers-Samas Accounting Machines Limited, London, England. Apparatus for comparing statistical record cards. 2,643,056, June 23.

Thomas & Betts Co., The, assignee: *See*—
Badeau, Carroll A.
Bergan, Martin D.

Thomas, Charles A., and J. R. Eck, Dayton, Ohio, assignors to the United States of America as represented by the Secretary of War. Preparing composite propellants. 2,646,596, July 28.

Thomas, Chester A., Lake Forest, Ill., assignor to Babson Bros. Co. Milk cooling arrangement. 2,634,187, Apr. 7.

Thomas, Chester A., Lake Forest, Ill., assignor to Babson Bros. Co. Milking machine pulsator. 2,646,058, July 21.

Thomas, David F., Minneapolis, assignor to Waterous Company, St. Paul, Minn. Sanitary pump. 2,642,808, June 23.

Thomas, David G. A., Deerhurst-Walton, Gloucestershire, and E. H. Cooke-Yarborough, Faringdon, Berkshire, assignors to The National Research Development Corporation, London, England. Multielectrode gaseous-discharge tube circuits. 2,664,535, Dec. 29.

Thomas, David L.: *See*—
Clavier, André G., and Thomas.
Jacobsen, Bent B., Daly, Thomas, Wolfson, Shepard, and Green.

Thomas, Earl E., assignee: *See*—
Bohm, William O.

Thomas, Earl E., Detroit, Mich. Painting appliance of the detachable rolling sleeve type. 2,647,299, Aug. 4.

Thomas, Earl E., Detroit, and S. T. Coughlan, Dearborn, Mich., assignors to Thomas Roller Painting Equipment Corporation. Self-expanding painting roller with detachable covering sleeve. 2,647,276, Aug. 4.

Thomas, Earl E., Detroit, and S. T. Coughlan, Dearborn, Mich., assignors to Thomas Roller Painting Equipment Corporation. Detachable tubular cover for painting rollers. 2,647,300, Aug. 4.

Thomas, Earl R., Englewood, N. J., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Contact for electrical conductors of aluminum or aluminum alloys. 2,638,521, May 12.

Thomas, Edward B., and E. H. Alcock, Spondon, near Derby, England, assignors to British Celanese Limited. Synthesis of acetic acid from co and methanol. 2,650,245, Aug. 25.

Thomas, Edward B., and E. H. Alcock, Spondon, near Derby, England, assignors to British Celanese Limited. Production of acetic acid from methanol. 2,650,246, Aug. 25.

Thomas, Edwin M., assignee: *See*—
Harris, George S., Jr.

Thomas Electronics, Inc., assignee: *See*—
Reid, Robert A.

Thomas, Ernest R., San Francisco, Calif. Automobile horn ring press button. 2,631,468, Mar. 17.

Thomas, Frank W.: *See*—
Simon, Eli, and Thomas.
Simon, Eli, Thomas, and Burkart.

Thomas, George F., assignor to Prater Pulverizer Company, Chicago, Ill. Multiple screen pulverizer. 2,661,159, Dec. 1.

Thomas, George J., assignor to Watts Electric & Mfg. Co., Birmingham, Mich. Unitary lamp socket supporting structure. 2,632,787, Mar. 24.

Thomas, Harland, assignor to Thomas Oil Cartridge, Inc., Port Ewen, N. Y. Filter cartridge for lubricating oil clarifier. 2,631,730, Mar. 17.

Thomas, Harold A.: *See*—
Penney, Gaylord W., and Thomas.

Thomas, Harry A., Baldton, Del., assignor to Baldwin-Lima-Hamilton Corporation. Engine manifold. 2,637,160, May 5.

Thomas, Harry L., Tucson, Ariz. Irrigator. 2,644,719, July 7.

Thomas, Henry P., Fayetteville, N. Y., assignor to General Electric Company. Coaxial line filter structure. 2,641,646, June 9.

Thomas, Howard O., South Gate, Calif. Grease deflector. 2,646,857, July 28.

Thomas, Howard S., Jr.: *See*—
Eiffert, Otto H., and Thomas.

Thomas Hydraulic Speed Controls, Inc., assignee: *See*—
Thomas, John R.

Thomas, Ivor L., and G. E. Roberts, South Farnborough, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Gyromagnetic compass. 2,657,471, Nov. 3.

Thomas, James G., Cleveland, Ohio. Welding vise. 2,660,141, Nov. 24.

Thomas, Jean: *See*—
Duke, Harry, Greenwood, and Thomas.

Thomas, Jess W., Decker, Mont. Hackamore bridle. 2,630,660, Mar. 10.

Thomas, John B., Watertown, Conn., assignor to Roto-Matic Screen Printer, Ltd., New York, N. Y. Stencil printing apparatus. 2,637,269, May 5.

Thomas, John B., Watertown, Conn., and C. E. Moorhouse, West Englewood, N. J., assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y. Stencil printing apparatus. 2,646,749, July 28.

Thomas, John B., Watertown, Conn., and C. E. Moorhouse, West Englewood, N. J., assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y. Stencil printing apparatus. 2,651,257, Sept. 8.

Thomas, John B., Watertown, and C. E. Moorhouse, Waterbury, Conn., assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y. Stencil printing apparatus. 2,651,988, Sept. 15.

Thomas, John E., Goldston, assignor of one-half to King Roofing and Manufacturing Co., Sanford, N. C. Tobacco curing system. 2,631,782, Mar. 17.

Thomas, John L., Portland, Oreg. Lifter for utensils and the like. 2,641,497, June 9.

Thomas, John R., assignor to Thomas Hydraulic Speed Controls, Inc., Wichita, Kans. Variable speed hydraulic clutch. 2,658,595, Nov. 10.

Thomas, Johnie B., Bamberg, S. C. Culinary utensil. 2,643,907, June 30.

Thomas, Joseph J., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Mildew-resistant mineral-coated soap wrap. 2,662,040, Dec. 8.

Thomas, Joseph R., Chicago, Ill. Convertible seat. 2,632,897, Mar. 31.

Thomas, Julian B., Fort Worth, Tex. Pallet stack unloader. 2,639,051, May 19.

Thomas, Julian B., Fort Worth, Tex. Pallet gripping device. 2,656,002, Oct. 20.

Thomas, Julius A., Monroe, assignor to Ford Motor Company, Dearborn, Mich. Combination steel and die casting cleaning process. 2,653,883, Sept. 29.

Thomas, Lawrence E., assignor of 33⅓ per cent to C. L. Ball and 33⅓ per cent to R. L. Morgan, Seattle, Wash. Installation of underground transmission pipe. 2,663,323, Dec. 22.

Thomas, Lawrence S., Flushing, and T. Edwards, Sunnyside, assignors to City Tank Corporation, Corona, N. Y. Refuse truck loader. 2,627,988, Feb. 10.

Thomas, Leonard C.: *See*—
Claridge, Robert A., and Thomas.

Thomas, Leonard L., Sacramento, Calif. Motion-picture projector cabinet. 2,651,967, Sept. 15.

Thomas Oil Cartridge, Inc., assignee: *See*—
Thomas, Harland.

Thomas, Orrin H., Williamsport, assignor of one-half to R. W. Fuller, Jersey Shore, Pa. Ignition timer. 2,626,997, Jan. 27.

Thomas, Oscar H.: *See*—
Ames, Enos R., Thomas, O'Neal, and Sword.

Thomas, Percy H., Washington, D. C. Intermittent impact water wheel. 2,662,726, Dec. 15.

Thomas, Philip A.: *See*—
Walton, Richard K., and Thomas.

Thomas, R. Lloyd, executor: *See*—
Pellas, Silvio F., and Kraut.

Thomas, Ralph B.: *See*—
Mann, Oliver, and Thomas.

Thomas, Richard: *See*—
Savidge, Leslie N., and Thomas.

Thomas, Richard, Bromborough, England, assignor to Lever Brothers Company. Composition for laundering textiles and for imparting a whitening effect thereon. 2,624,710, Jan. 6.

Thomas, Richard J., assignor to The Falk Corporation, Milwaukee, Wis. Power transmission coupling. 2,643,529, June 30.

Thomas, Robert M.: *See*—
Sparks, William J., and Thomas.

Thomas, Robert M., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Production of acrylonitrile. 2,653,965, Sept. 29.

Thomas, Robert W., assignee: *See*—
Skeel, Lewis.

Thomas Roller Painting Equipment Corporation, assignee: *See*—
Thomas, Earl E., and Coughlan.

Thomas, Samuel B., Long Beach, and H. D. Evans, Concord, assignors to Shell Development Company, Emeryville, Calif. Catalytic reactor tube assembly. 2,645,567, July 14.

Thomas, Samuel L., Woodside, N. Y. Adjustable measuring cup. 2,642,744, June 23.

Thomas, Seth H., Rochester, Ind. Rural mailbox signal. 2,639,856, May 26.

Thomas, Thomas H.: *See*—
Price, Earl R., and Thomas.

Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid scavenging device. 2,631,433, Mar. 17.

Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Power unit for hydraulic pressure systems. 2,661,598, Dec. 8.

Thomas, Valery C., Sr., Miami, Fla. Window lock. 2,645,515, July 14.

Thomas, Walter M.: *See*—
Kropa, Edward L., and Thomas.
Price, John A., Thomas, and Padbury.

Thomas, Wilbur E., Cranford, N. J. Mechanical collator. 2,646,279, July 21.

Thomas, Wilbur H., Costa Mesa, Calif. Whip action device for the head of golf clubs. 2,652,256, Sept. 15.

Thomas, William, Klamath Falls, Oreg. Digging angle adjustment for endless belt excavators. 2,636,288, Apr. 28.

Thomas, William, Westwood, Calif. Supporting means for a portable sluice. 2,656,924, Oct. 27.

Thomas, William A., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,627,563, Feb. 3.

Thomas, William A., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Circuit breaker. 2,660,637, Nov. 24.

Thomas, Yeppie, Fresno, Calif. Spring mounted leveler for ground pulverizers. 2,660,817, Dec. 1.

Thomason, Hjalmar, Los Angeles, Calif. Grinder mechanism for cleaning brake shoes. 2,644,281, July 7.

Thomason, Wilton W.: *See*—
Davis, Samuel J., and Thomason.

Thomassen, Anker, Brooklyn, N. Y. Saw filing device. 2,661,635, Dec. 8.

Thomley, John W., Jr., Decatur, Ill. Machine for the recovery of used foundry sand. 2,649,630, Aug. 25.

Thommen, Willy, assignor to J. R. Geigy A. G., Basel, Switzerland. Apparatus for testing the fastness of dyeings on wetted textiles. 2,660,055, Nov. 24.

Thompson, Albert: *See*—
Shaw, Harry, Thompson, and Toler.

Thompson, Alfred L., Munster, Ind., K. T. Nystrom, Chicago, Ill., J. H. McQuiddy, St. Louis, Mo., and R. B. Stanley, Park Ridge, Ill., said Thompson, said Nystrom, and said McQuiddy, assignors to Standard Railway Equipment Manufacturing Company, said Stanley assignor, by mesne assignments, to World-O-Matic Company, Chicago, Ill. Cutting tool. 2,645,003, July 14.

Thompson, Almen H., Fargo, N. Dak. Flour dusting machine. 2,655,897, Oct. 20.

Thompson, Benjamin: *See*—
Bell, Alan, and Thompson.

Thompson, Caney A., Georgetown, S. C. Pulpwood boxcar unloader. 2,655,275, Oct. 13.

Thompson, Charles C., McComb, Miss., assignor to Spence Engineering Company, Inc., Walden, N. Y. Wheel-alignment device. 2,633,643, Apr. 7.

Thompson, Charles J., and R. C. Johnson, Miami, Okla. Advertising attachment for parking meters. 2,625,761, Jan. 20.

Thompson, Charles S., administrator, trustee, assignee: *See*—
Mediar, Lewis A., and Naab.

Thompson, Clarence E., Los Angeles, Calif. Combined erasing, blotting, and eraser cleaning implement. 2,633,829, Apr. 7.

Thompson, Claude H., Binghamton, N. Y. Adjustable collar for bowl covers. 2,632,934, Mar. 31.

Thompson, Clifford J., Davenport, Fla. Bag filling device. 2,635,798, Apr. 21.

Thompson, Clifford J., Davenport, Fla. Reversible insole. 2,641,068, June 9.

Thompson, Daniel T., Los Angeles, Calif. Folding table, tennis table, or the like. 2,645,539, July 14.

Thompson, Donald N., Brooklyn, and W. B. Harris, New York, N. Y. High receiving and low servicing antenna mounting. 2,639,381, May 19.

Thompson, E. L., Chair Corporation, assignee: *See*—
Brazell, John J.

Thompson, Edith C., assignee: *See*—
Cumfer, Harry A.

Thompson Electric Company, The, assignee: *See*—
Farrington, Robert K. and T. B., and Kurzenberger.
Thompson, Ellis, West Palm Beach, Fla. Layout instrument. 2,640,268, June 2.
Thompson, Ellis W., assignee: *See*—
Daigle, Bert J.
Thompson, Elmer B., assignor, by mesne assignments, to Globe Holst Company, Des Moines, Iowa. Conduit connection for milking machines. 2,653,567, Sept. 29.
Thompson, Elmer B., assignor to Globe Holst Company, Des Moines, Iowa. Method and device for raising vehicles. 2,654,443, Oct. 6.
Thompson, Ernest H., Glenview, Ill. Magazine for dispensing machines. 2,660,340, Nov. 24.
Thompson, Ernest H., Glenview, Ill. Product dispensing machine. 2,660,351, Nov. 24.
Thompson, Ernest S., Strathmore, Calif., assignor to himself and E. Thompson. Straw chopper and spreader for harvesters. 2,626,159, Jan. 20.
Thompson, Ethel, assignee: *See*—
Thompson, Ernest S.
Thompson, Eual C., Atlanta, Ga. Gear shift mechanism. 2,661,630, Dec. 8.
Thompson, Eugene K., Tecumseh, Mich. Roller moldboard plow. 2,631,516, Mar. 17.
Thompson, Frank, and H. E. Rothenbaum, Denver, Colo. Chair on tracks. 2,628,664, Feb. 17.
Thompson, Frank L., Jamaica, and J. T. Logue, St. Albans, N. Y. Bottle register. 2,634,055, Apr. 7.
Thompson, Frederick H., assignor to The Yerges Manufacturing Company, Fremont, Ohio. Buff section manufacture. 2,645,888, July 21.
Thompson, Garrie, Berkeley, Calif. Turnbuckle wrench. 2,659,257, Nov. 17.
Thompson, Glenn A., Pittsburgh, Pa. Portable hammering machine. 2,660,724, Dec. 1.
Thompson Grinder Company, The, assignee: *See*—
Smith, Herbert F.
Wilson, John C.
Thompson, H. I., Company, The, assignee: *See*—
Parker, Leon.
Parker, Leon and Z.
Thompson, Harold L.: *See*—
Steen, Harford K., and Thompson.
Thompson, Helen L.: *See*—
Thompson, Howard G., and H. L.
Thompson, Henry M., Hampton, Va. Bib apron and fasteners therefor. 2,643,384, June 30.
Thompson, Herbert L., Elgin, Ill. Fly-tying vise. 2,635,495, Apr. 21.
Thompson, Herman M., Lemay, Mo. Leg support for invalids' folding chairs. 2,633,896, Apr. 7.
Thompson, Howard G., and H. L., San Diego, Calif. Educational enumeration block assembly. 2,635,355, Apr. 21.
Thompson, Jackie L., Union, W. Va. Automotive vehicle body construction. 2,626,180, Jan. 20.
Thompson, Jacqueline E., administratrix: *See*—
Thompson, Ralph L.
Thompson, James A.: *See*—
Fowler, William E., and Thompson.
Thompson, James C., assignor to Man-U-Tech, Inc., Fort Wayne, Ind. Bun toaster. 2,648,275, Aug. 11.
Thompson, Joe V., Baird, Tex. Arm watch protector. 2,649,230, Aug. 18.
Thompson, John D., assignor of one-third to J. D. Thompson, one-third to J. Abplanalp and one-third to D. Ferguson, Detroit, Mich. Automatic self-feed die set. 2,633,193, Mar. 31.
Thompson, John E., Chicago, Ill. Device for end point determination in fat rendering process. 2,650,343, Aug. 25.
Thompson, John M., Manchester, Iowa. Adjustable gate hinge. 2,651,806, Sept. 15.
Thompson, Joseph A., and H. F. Hobbs, assignors to Hobbs Transmission Limited, Leamington Spa, England. Variable-ratio power transmitting apparatus. 2,654,381, Oct. 6.
Thompson, Joseph B., Toronto, Ontario, Canada, assignor to Wingfoot Corporation, Akron, Ohio. Wrapping in multi-ply material. 2,649,672, Aug. 25.
Thompson, Keith R., Monroe, Mich., assignor to Monroe Auto Equipment Company. Assembly device for shock absorbers. 2,645,846, July 21.
Thompson, Leslie W., Louisville, Ky. Quick-change clutch disk. 2,645,320, July 14.
Thompson, Marcus C., Pasadena, Calif. Razor blade cartridge unit. 2,637,900, May 12.
Thompson, Martin A., Davenport, Iowa. Article-handling hoist and conveyer. 2,627,968, Feb. 10.
Thompson, Mernard A., Los Angeles, Calif. Highway signaling device. 2,664,065, Dec. 29.
Thompson, Millard R., assignor to Hamilton Watch Company, Lancaster, Pa. Detonating mechanism for time fuses. 2,640,418, June 2.
Thompson, Norman, Springfield, assignor to Sun Oil Company. Philadelphia, Pa. Nonsticking wax article and preparation. 2,643,973, June 30.
Thompson, Oscar T., deceased, Neenah, Wis., by V. Thompson, executrix, Neenah, and H. M. Ruth, Appleton, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Apparatus for shaping tampon applicator tube ends. 2,639,646, May 26.
Thompson, Parke H.: *See*—
Podnos, Selim S., Odierno, and Thompson.
Thompson, Parke H., Kirkwood, assignor, by mesne assignments, to M. L. J. Lambert, doing business as Crystal-Flo Products Company, St. Louis, Mo. Sheathed fuse. 2,639,669, May 26.
Thompson, Parke H., Kirkwood, Mo., assignor to the United States of America as represented by the Secretary of the Army. Delayed arming mechanism. 2,663,260, Dec. 22.
Thompson, Paul, Wellesley Hills, assignor to Bestpak Inc., Boston, Mass. Pan liner. 2,639,212, May 19.
Thompson Products, Inc., assignee: *See*—
Alldredge, Marshall H.
Alums, Louis T.
Anderson, David E.
Anderson, David E., Kolonick, and Raynor.
Angell, Pierce T., and Vaughn.
Bartlett, Kenneth M., and Connavino.
Bodensieck, Ernst J.
Booth, James H.
Booth, James H., and Gair.
Booth, James H., and Ricks.
Booth, James H., and Warner.
Braid, Murray D.
Cliborn, Robert.
Curtis, William H., Aspelin, and Carter.
De Vileg, Charles B.
De Vileg, Charles B., H. R., and C. R.
Engemann, Herbert H.
French, Oliver S.
French, Oliver S., and Marquis.
Gapstur, John J.
Graham, Matthew P.
Graham, Matthew P., and Alldredge.
Guy, Frederick M., and Herbenar.
Herbenar, Edward J.
Ingram, Paul.
Lindner, Ralph L., and Hayes.
Marquis, Donald P.
Murray, John F., and Osborne.
Noon, T Cyril.
Noon, T Cyril, and Anderson.
Noon, T Cyril, and Bayer.
Pankuch, William J., and Gleeson.
Prasse, Herbert F.
Ralston, Eldon K.
Raymor, Willard.
Ricks, Bernard E.
Smith, Frederick E.
Smith, Frederick E., and Murray.
Snyder, Jacob R.
Snyder, Jacob R., and Eger.
Snyder, Jacob R., and Schenkelberger.
Sward, Forrest W.
Thoren, Theodore R.
Thoren, Theodore R., Aspelin, and Murray.
Thorne, Marion F.
Townhill, Arthur.
Townhill, Arthur, and Holcombe.
Watson, Edwin D., and Creek.
West, William H., Jr.
Thompson, Ralph B., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Resins and process for producing same from reaction products of hydroxy aromatic aldehydes and mercaptans. 2,625,534, Jan. 13.
Thompson, Ralph B., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,633,425, Mar. 31.
Thompson, Ralph B., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Resinous condensation product of dibenzalacetone and hydrogen sulfide. 2,636,021, Apr. 21.
Thompson, Ralph B., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,648,691, Aug. 11.
Thompson, Ralph B., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Production of polyhaloalkanes. 2,658,930, Nov. 10.
Thompson, Ralph B., Hinsdale, and J. A. Chenicek, Bensenville, assignors to Universal Oil Products Company, Chicago, Ill. Preventing discoloration of fuel oils. 2,641,538, June 9.
Thompson, Ralph B., Hinsdale, and J. A. Chenicek, Bensenville, assignors to Universal Oil Products Company, Chicago, Ill. Preventing discoloration of fuel oil. 2,641,539, June 9.
Thompson, Ralph B., Hinsdale, and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of resinous condensation products from aromatic ketones and amines. 2,659,712, Nov. 17.
Thompson, Ralph E., Brookline, Mass., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stocking and making the same. 2,628,487, Feb. 17.
Thompson, Ralph L., deceased, New Hyde Park, N. Y.; J. E. Thompson, administratrix. Operator identifier transmitter. 2,637,844, May 5.
Thompson, Ralph N., Mount Lebanon Township, Allegheny County, Pa., assignor to Calgon, Incorporated. Water resistant paper coatings and making same from urea-formaldehyde, ammonium metaphosphate, amylaceous material and clay. 2,652,374, Sept. 15.

Thompson, Ransom S., Middle Haddam, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine power plant having auxiliary air inlet and thrust augmenter. 2,654,215, Oct. 6.
Thompson, Rea W., Gary, Ind., and A. H. Graham, Sharon, Pa., assignors to General American Transportation Corporation, Chicago, Ill. Heating system for tanks. 2,624,553, Jan. 6.
Thompson, Richard B., assignee: *See*—
Thompson, Thomas F.
Thompson, Richard G., Stillwater, Minn. Sanding block construction. 2,626,489, Jan. 27.
Thompson, Richard K., Jr., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fraud prevention device. 2,641,348, June 9.
Thompson, Robert A.: *See*—
Foust, Floyd J., Childress, Crim, and Thompson.
Thompson, Robert D., S. W. Alderfer, and A. Bossbard, assignors to Andrews-Alderfer Company, Akron, Ohio. Artificial leather. 2,629,678, Feb. 24.
Thompson, Robert J., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Sheet feeding mechanism. 2,635,695, Apr. 21.
Thompson, Robert W., Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion source. 2,624,845, Jan. 6.
Thompson, Roland J., Washington, D. C. Brazed joint with backing ring. 2,646,995, July 28.
Thompson, Roscoe L.: *See*—
Parker, Samuel P., and Thompson.
Thompson, Russell G., assignor to Eastman Kodak Company, Rochester, N. Y. Facsimile recording apparatus. 2,646,518, July 21.
Thompson, Russell G., assignor to Eastman Kodak Company, Rochester, N. Y. High-speed multiplex recording apparatus. 2,659,652, Nov. 17.
Thompson, Theodore W., North East, Pa. Tractor mounted vineyard cultivator. 2,630,746, Mar. 10.
Thompson, Thomas A., Toronto, Ohio, assignor to National Steel Corporation. Oxygen lancing of furnace flues and checkers. 2,657,034, Oct. 27.
Thompson, Thomas F., Eugene, assignor of one-third to D. Belford and one-third to O. D. Olson, Portland, and one-sixth to R. B. Thompson, Eugene, Oreg. Radio-phonograph adapter. 2,655,565, Oct. 13.
Thompson, Thomas I., Chicago, Ill. Glove compartment light. 2,662,969, Dec. 15.
Thompson, Thomas P., Little Rock, Ark. Pleat pincher. 2,633,912, Apr. 7.
Thompson, Vaughan, Flin Flon, Manitoba, Canada. Wedge-level reamer. 2,645,456, July 14.
Thompson, Veneta, executrix: *See*—
Thompson, Oscar T., and Ruth.
Thompson, Walter S., Portland, and H. Renn, Albany, assignors to M and M Wood Working Company, Portland, Oreg. High-frequency heating of glued joints. 2,649,876, Aug. 25.
Thompson, Warren L. and R. W., Provine, and J. V. Lawson, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Wax composition. 2,638,411, May 12.
Thompson, Wilford C., assignee: *See*—
Johnson, JB.
Thompson, William D.: *See*—
Horsey, Eleanor F., and Thompson.
Thompson, William F., Jr.: *See*—
Redding, Arnold H., Whiteman, and Thompson.
Thompson, William O., San Francisco, Calif. Apparatus for avoiding hot starts in turbojet engine operation and for igniting fuel in the afterburner. 2,659,199, Nov. 17.
Thompson, William O., San Francisco, Calif. Method and apparatus for safeguarding against prolonged cessation of operation of turbojet engines. 2,659,200, Nov. 17.
Thompson, William P.: *See*—
Forse, Harry D., Thompson, and Hooper.
Thomsen, Alfred M., San Francisco, Calif. Making copper sulfate. 2,639,220, May 19.
Thomsen, Alfred M., San Francisco, Calif. Making ammonium sulphate. 2,662,811, Dec. 15.
Thomsen, Alfred M., San Francisco, Calif. Making a lignin fertilizer base. 2,663,628, Dec. 22.
Thomsen, Hugo, Washington, D. C. Binder. 2,630,336, Mar. 3.
Thomson, Charles, and S. H. Gordon, assignors to Cable Belt Limited, Inverness, Scotland. Conveyer belt. 2,656,035, Oct. 20.
Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Photocell controlled system for fuel burners. 2,624,398, Jan. 6.
Thomson, E. Craig, Boston, and H. J. Webb, Sharon, assignors to Combustion Control Corporation, Cambridge, Mass. Program circuit for automatic furnaces. 2,624,399, Jan. 6.
Thomson Electric Welder Company, assignee: *See*—
Moore, Charles D.
Southwick, William S.
Thomson, Ernest F., Tuckahoe, N. Y., assignor to The Globe-Wernicke Co., Norwood, Ohio. Desk tray. 2,627,342, Feb. 3.
Thomson, Hugh M., and C. E. Mudie, St. Catharines, Ontario, Canada, assignors to Foster Wheeler Corporation, New York, N. Y. Fuel feeding apparatus with vibratory hopper. 2,640,629, June 2.
Thomson, James, assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Conveyer. 2,629,484, Feb. 24.
Thomson, John B., assignee: *See*—
Magee, Robert C.
Thomson, John C., assignor to The Beaverbrook Moulding Company, Ansonia, Conn. Folding utility lunch tray. 2,640,597, June 2.
Thomson, John W., assignor to Benner-Nawman, Inc., Oakland, Calif. Pot type fuel oil burner. 2,638,160, May 12.
Thomson, Judson L., Manufacturing Company, assignee: *See*—
Havener, Arthur R.
Thomson Machine Company, assignee: *See*—
Sawyer, Hilon W., and Gelly.
Thomson, Robert W., Riverside, Ontario, Canada, assignor to Motor Products Corporation, Detroit, Mich. Apparatus for bending glass sheets. 2,663,974, Dec. 29.
Thomson, William M., New Scotland Township, Albany County, N. Y. Milk sampling device. 2,624,201, Jan. 6.
Thor Corporation, assignee: *See*—
Hellyer, John T.
Thor, Edward J., San Francisco, Calif. Multipurpose microscope attachment. 2,651,969, Sept. 15.
Thor Power Tool Company, assignee: *See*—
Mitchell, Walter G.
Thorburn, David H., Oak Park, assignor to The Powers Regulator Company, Chicago, Ill. Packless valve. 2,654,394, Oct. 6.
Thoren, Robert E., Moses Lake, Wash. Rider propelled toy vehicle. 2,651,527, Sept. 8.
Thoren, Theodore R., Chagrin Falls, assignor to Thompson Products, Inc., Cleveland, Ohio. Fuel pump and control system. 2,657,635, Nov. 3.
Thoren, Theodore R., Chagrin Falls, L. L. Aspelin, Cleveland Heights, and J. F. Murray, Macedonia, assignors to Thompson Products, Inc., Cleveland, Ohio. Pump. 2,648,287, Aug. 11.
Thoresen, Henry L.: *See*—
Thoresen, Lorntz H. and H. L.
Thoresen, John C., Warwick, assignor to Builders Iron Foundry, Providence, R. I. Totalizing apparatus. 2,659,531, Nov. 17.
Thoresen, Lorntz H. and H. L., Chicago, Ill. Fluid proportioning and conditioning apparatus. 2,637,310, May 5.
Thoreson-McCosh, Inc., assignee: *See*—
Wilson, Oran C.
Thorildsson, Karl-John T.: *See*—
Küller, Nils-Erik G., and Thorildsson.
Thornbery, John H., Whitefish Bay, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Safety control device. 2,645,238, July 14.
Thorne, Edwin D., Dayton, Ohio. Selective electrical switching means for combined radio and television receivers. 2,659,001, Nov. 10.
Thorne, Herbert C., Vinton, La. Waste-packed oil filter. 2,655,264, Oct. 13.
Thorne, Marion F., South Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Valve rotating assembly. 2,624,323, Jan. 6.
Thorne, Maurice A.: *See*—
Hutchinson, Roland V., and Thorne.
Thorner, Robert H., Detroit, Mich. Engine governor. 2,661,728, Dec. 8.
Thornhill-Craver Company, assignee: *See*—
Loeffler, John E.
Thornhill-Craver Co., Inc., assignee: *See*—
Thornhill, Homer E.
Thornhill, Homer E., assignor to Thornhill-Craver Company, Houston, Tex. Fluid cleaning apparatus. 2,658,622, Nov. 10.
Thornhill, Homer E., assignor to Thornhill-Craver Co., Inc., Houston, Tex. Fluid cleaning apparatus. 2,658,623, Nov. 10.
Thornley, Edwin M., Joliet, Ill. Ballast removing apparatus. Re. 23,655, May 12.
Thornley, Joseph H., Great Neck, N. Y. Extra length concrete pile. 2,636,355, Apr. 28.
Thornton, F. C., Company, The, assignee: *See*—
Easterday, Russell S.
Thornton, Garno E., Colton, E. A. Verrinder, and G. E. Stilwell, Riverside, E. J. McGrath, Nuevo, and J. R. Richards, Riverside, assignors to Food Machinery and Chemical Corporation, San Jose, Calif. High-speed lidder. 2,630,566, Mar. 10.
Thornton, Isaiah V., Ogden, Utah. Curtain rod and bracket therefor. 2,639,930, May 26.
Thornton, Jens, Quincy, assignor to The Independent Nail and Packing Company, Inc., Bridgewater, Mass. Nail feeding and driving implement. 2,660,727, Dec. 1.
Thornton, John A., assignor to James R. Kearney Corporation, St. Louis, Mo. Elongated foldable handle for tools. 2,630,730, Mar. 10.
Thornton, Ray F., Dexter, Mich. Tandem axle suspension construction. 2,644,698, July 7.
Thorp, Arthur G., II, Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Blade apparatus. 2,642,263, June 16.

Thorpe, Alvia G., Glendale, Calif., and J. A. Padjen, Salt Lake City, Utah. Alarm device. 2,630,095, Mar. 3.
Thorpe, Jack H., Los Angeles, Calif. Sealed bearing cleaning and lubricating head. 2,656,012, Oct. 20.
Thorpe, Lawrence R., Columbus, Ohio. Knot form. 2,663,023, Dec. 22.
Thorpe, Robert J., Ridley Park, and L. F. Cummings, Media, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual flow fuel nozzle system having means to inject air in response to low fuel pressure. 2,635,425, Apr. 21.
Thorpe, Roy E.: *See*—
Adelson, David E., and Thorpe.
Thorpe, Thomas C. G., Hampton Hill, and E. M. Dodds, Wantage, England, assignors to Standard Oil Development Company. Stabilizing vanadium containing fuel oils. 2,631,929, Mar. 17.
Thorpe, William H., assignor to Walker Manufacturing Company, Philadelphia, Pa. Repair head for heddles. 2,643,683, June 30.
Thorpe, William H., assignor to Walker Manufacturing Company, Philadelphia, Pa. Repair head for heddles. 2,646,825, July 28.
Thorsbakken, Arthur, Alden, Iowa. Fence stretcher. 2,639,889, May 26.
Thorsen, John I.: *See*—
Camp, Thomas P., Thorsen, and Besal.
Thorsen, Kristen A.: *See*—
Héry, Deouard, and Thorsen.
Thorsen, Thorvald L., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Air nozzle device. 2,645,528, July 14.
Thorsheim, Joseph O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Furnace fuel control. 2,633,864, Apr. 7.
Thorsten, Marie E., executrix: *See*—
Thorsten, Thorleif.
Thorsten, Thorleif, deceased, Pittsburgh, Pa.; M. E. Thorsten, executrix. Fly ash feeder. 2,648,572, Aug. 11.
Thorstensen, Melvin C., Berwyn, Ill. Ornamental fluorescent stand lamp. 2,645,709, July 14.
Thorton, King N., West Palm Beach, Fla. Spinal column aligning table. 2,660,999, Dec. 1.
Thorton, Mathew H., St. Paul, Minn. Glare-shielding device. 2,660,728, Dec. 1.
Thostenson, Gilbert, Renville, Minn. Combination cigarette case and cutter. 2,664,091, Dec. 29.
Thostenson, Lewis D., Inglewood, assignor to Salsbury Corporation, Los Angeles, Calif. Centrifugal and spring engaged clutch. 2,633,956, Apr. 7.
Thrailkill, Elmer W., North Kansas City, Mo. Dust collector. 2,650,674, Sept. 1.
Thrasher, Clyde E., McKinney, and F. A. Grosz, Marshall, Tex. Electrocardiograph electrode. 2,660,175, Nov. 24.
Threadgold, Ronald: *See*—
Davison, Alan, and Threadgold.
Threads Incorporated, assignee: *See*—
Cone, Richard R.
Threedy, Clarence E., trustee, assignee: *See*—
Patzer, William.
Threeton, Clay L., Atlanta, Ga. Suit hanger carrier. 2,629,529, Feb. 24.
Threewit, Donald M., Inglewood, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Elbow lock and alternator for actuating the same. 2,637,042, May 5.
Thresh, Frank R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,658,198, Nov. 10.
Thrift, Sterling R., Washington, D. C. Directive antenna system. 2,644,158, June 30.
Thring, Leonard G. P., Cambridge, England. Clinograph. 2,657,466, Nov. 3.
Thring, Meredith W., and F. B. Karthauser, assignors to C. U. R. A. Patents Limited, London, England. Means for controlling the air supply in furnaces and like heating appliances. 2,663,272, Dec. 22.
Throckmorton, John W.: *See*—
Wallis, John S., and Throckmorton.
Throckmorton, John W., assignor to Petro-Chem Process Company Inc., New York, N. Y. Flow arrangement for multipass heaters. 2,640,687, June 2.
Throckmorton, John W., and J. S. Wallis, assignors to Petro-Chem Process Company Incorporated, New York, N. Y. Heat control in vertical furnace by flue gas recirculation. 2,648,599, Aug. 11.
Throckmorton, John W., and J. S. Wallis, assignors to Petro-Chem Process Company Incorporated, New York, N. Y. Upright boiler. 2,655,137, Oct. 13.
Thuerig, Joseph, Cincinnati, Ohio. Forceps. 2,642,871, June 23.
Thulman, Robert K., Silver Spring, Md. Chimney construction with heat controlling minimizing means. 2,634,720, Apr. 14.
Thumim, Carl, Yeadon, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Resonant silencer. Re. 23,667, June 9.
Thummel, Ludwig, assignor to Sandoz, A. G., Basel, Switzerland. Dyeing materials made of polyvinyl derivatives. 2,635,942, Apr. 21.
Thunell, Isaac P., Holladay, Utah. Fisherman's kit box. 2,629,964, Mar. 3.
Thunstrom, John F.: *See*—
Hemenway, Henry H., and Thunstrom.
Thuras, Albert L., deceased, New London, Conn., by National Bank of Commerce, New London, Conn., administrator, assignor to the United States of America as represented by the Secretary of the Navy. Tubular hydrophone. 2,631,271, Mar. 10.
Thurber, Adolph E., Jr., Brooklyn, N. Y. Multiple valve. 2,635,634, Apr. 21.
Thurber Corporation, The, assignee: *See*—
Thurber, Edward J.
Thurber, Edward J., assignor to The Thurber Corporation, New Orleans, La. Torque converter. 2,629,266, Feb. 24.
Thurber, Elmer A., Murray Hill, and Leland A. Wooten, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selenium rectifier and its production. 2,644,915, July 7.
Thurber, William S., assignor to The Dow Chemical Company, Midland, Mich. Making unsaturated dimers of alpha-alkyl styrenes. 2,646,450, July 21.
Thurlow, James E.: *See*—
Tinsman, Jack R., Novy, and Thurlow.
Thurmon, Francis M., Boston, Mass., assignor to Rohm & Haas Company, Philadelphia, Pa. Deodorant, antiperspirant compositions. 2,653,902, Sept. 29.
Thurnauer, Hans, Chattanooga, and J. Deaderick, Signal Mountain, Tenn. Insulating materials. 2,626,220, Jan. 20.
Thurston, Benjamin L., Pawtucket, R. I., assignor to Frost Box Co., Inc. Box. 2,639,854, May 26.
Thurston, George E., Chicago, Ill. Guide attachment for hair clippers. 2,639,503, May 26.
Thurston, Jack T.: *See*—
Wystrach, Vernon P., and Thurston.
Thurston, Jack T., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Reaction products of an aldehyde and an aldehyde-reactable composition comprising the condensation product of a polyhalogenated compound and a triazine derivative. 2,640,046, May 26.
Thurston, Jack T., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Reaction products of a polyhalogenated compound and a triazine derivative and preparing the same. 2,640,047, May 26.
Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Sulfosuccinic acid polyesters of fatty acid monoglycerides. 2,637,663, May 5.
Thurston, Paul L., Martinsburg, W. Va, assignor to Interwoven Stocking Company, New Brunswick, N. J. Knitted article of hosiery. 2,642,732, June 23.
Thurstone, Louis L.: *See*—
Thurstone, Thelma G. and L. L.
Thurstone, Thelma G. and L. L., Chicago, Ill. Objective test device with universal scoring mask. 2,656,619, Oct. 27.
Thwaites, Bryan, assignor to The Imperial Trust for the Encouragement of Scientific and Industrial Research, London, England. Aerodynamic lift-producing device. 2,643,832, June 30.
Thwaites, Herman L., Clark Township, Union County, and B. B. Russell, 3rd, Elizabeth, N. J., assignors to Standard Oil Development Company. Process and apparatus for operating engines at high altitudes. 2,651,173, Sept. 8.
Thyen, Herbert E., assignor to Jasper Wood Crafters, Inc., Jasper, Ind. Barrel head construction. 2,635,658, Apr. 21.
Thyrén, Gösta B., assignee: *See*—
Lundkvist, Reinhold J.
Thys, Edouard, Sacramento, Calif. Hop stem separator. 2,647,626, Aug. 4.
Tibbals, A. Todd, assignee: *See*—
Tibbals, Charles E.
Tibbals, Charles E., assignor of fifty per cent to A. T. Tibbals, Oneida, Tenn. Cutting means for parquetry block machines. 2,630,847, Mar. 10.
Tibbals, Charles E., Oneida, Tenn., assignor of fifty per cent to A. T. Tibbals, Columbus, Ohio. Spline affixing device for parquetry blocks. 2,650,627, Sept. 1.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Sprag type clutch. 2,638,195, May 12.
Tibbetts, Otto S., Chicago, Ill. Detachable coupling for electrical cables. 2,659,062, Nov. 10.
Tibbetts, Raymond F., Los Angeles, Calif. Fishing reel. 2,627,383, Feb. 3.
Tibbling, Stig B.: *See*—
Stålbecker, Sture E., and Tibbling.
Tibbs, Forrest D., Leavittsburg, Ohio. Grapple. 2,634,158, Apr. 7.
Tibenham, Frederick J., Castle Bromwich, assignor to Dunlop Rubber Company, Limited, London, England. Production of bonded rubber articles. 2,657,162, Oct. 27.
Tice, Reuben S., Monterey, assignor of sixty-five per cent to G. Hart, Pebble Beach, Calif. Mercury rectifier tube. 2,641,724, June 9.
Tichenor, Edwin L., Clifton, and W. F. Cremins, Montclair, N. J., assignors to Curtiss-Wright Corporation. Welding apparatus. 2,658,162, Nov. 3.
Tichopad, Jaroslav: *See*—
Munz, Jaroslav, and Tichopad.

Tickle, Richard F., assignee: *See*—
Lagaard, Alexander S. T.
Tickner, Alvin J., Washington, D. C. Flux measuring system. 2,661,455, Dec. 1.
Tidbury, George E., assignee: *See*—
Drain, Percy J.
Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Morton Grove, Ill. Heating system with outdoor control. 2,626,755, Jan. 27.
Tidd, Edwin B., Mount Prospect, assignor to Bell & Gossett Company, Morton Grove, Ill. Boiler with control to prevent overheating. 2,650,576, Sept. 1.
Tidd, Elbert D.: *See*—
Cataldo, John B., and Tidd.
Tidd, Elbert De F.: *See*—
Vroom, Kenneth E., and Tidd.
Tidd, Gage W., Doylestown, assignor to Harris S. Campbell, Bryn Athyn, Pa. Helicopter transmission mechanism. 2,648,386, Aug. 11.
Tide Water Associated Oil Company, assignee: *See*—
Anderson, Herbert M.
Bishop, John W.
Harrison, Robert D., and Hall.
Hawes, Russell J., Miller, and Stephens.
Hawes, Russell J., and Winding.
Jones, Benjamin G.
Nigh, George W.
Spivack, John D.
Vaughn, Samuel C.
Viland, Clare K.
Waugh, Stanley P.
Tidswell, Charles V., Adrian, Mich. Bicycle whistle. 2,657,662, Nov. 3.
Tidwell, Hubert, Wellington, Utah. Orchard ladder with adjustable platform and fruit receiving means. 2,656,968, Oct. 27.
Tiede, Ralph L., Newark, Ohio, and F. V. Tooley, Urbana, Ill., assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Composition of glass, especially for fibers. 2,640,784, June 2.
Tiede, Roland V., Fort Bragg, N. C. Reactive speed-torque control of induction motors. 2,648,808, Aug. 11.
Tiedeman, Robert K., Packanack Lake, N. J. Straw dispenser. 2,633,397, Mar. 31.
Tiedemann, Albert H., and C. Schaertl, Brooklyn, N. Y., said Tiedemann assignor to said Schaertl. Portable shower. 2,631,062, Mar. 10.
Tiedemann, Julius R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Unloading stored material and apparatus therefor. 2,635,770, Apr. 21.
Tiedje, John L., and J. B. McGrath, Sarnia, Lambton, Ontario, Canada, assignors to Standard Oil Development Company. Manufacturing low melting point plastic waxes. 2,658,852, Nov. 10.
Tiedt, Friedrich, Otterndorf, and R. Dewald, Wiesbaden, Germany. Production, concentration and stabilization of fat-soluble valuable substances from carrots and the resulting product. 2,656,274, Oct. 20.
Tierman, Melvin, assignor to Sprague Electric Company. North Adams, Mass. Production of carbon resistors. 2,635,994, Apr. 21.
Tierney, Edward M., Washington, D. C. Razor blade edge straightener. 2,629,211, Feb. 24.
Tierney, Michael J., Rochester, N. Y. Double tank water heater and incinerator. 2,641,231, June 9.
Tierney, Samuel, Jr., assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Instrument for measuring magnetic permeability. 2,644,920, July 7.
Tiers, Charles S., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Stocking form. 2,636,651, Apr. 28.
Tiers, Robert H., Ambler, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Cleaner testing apparatus and method. 2,648,220, Aug. 11.
Tietig, Chester, Covington, Ky. Cam-actuated speed control for cyclically operated machines. 2,627,593, Feb. 3.
Tietig, Chester, Covington, Ky. Nail-driving firearm. 2,632,890, Mar. 31.
Tietjen, Robert H., Davis, Calif., assignor to the United States of America as represented by the Secretary of the United States Air Force. Fluid pressure operated switch. 2,656,429, Oct. 20.
Tietze, Hermann, assignor to O. H. Drager, Lubeck, Germany. Air pump for artificial respiration. 2,644,445, July 7.
Tiffany, Carter, Englewood, N. J. Gas detector apparatus. 2,645,564, July 14.
Tifft, Gordon A., Marshalltown, Iowa. Fish skinning tool. 2,654,120, Oct. 6.
Tigert, Clyde R., and D. E. Finnicum, Upland, Calif. Metering and timing controller for sprinkling systems. 2,642,076, June 16.
Tignor, Henry G., Richmond, Va. Apparatus for conditioning air. 2,629,587, Feb. 24.
Tigrett, John B., assignee: *See*—
Massopust, Carl F.
Tigrett, John B., Chicago, Ill. Ornamental sounding toy. 2,638,711, May 19.
Tilch, Hans: *See*—
Blessing, Albert, Staudenmeier, Tilch, and Kaiser.
Tilden, Sydney G., Stewart Manor, N. Y., assignor to The Permafuse Corp. Nonsqnealing brake assembly. 2,647,592, Aug. 4.
Tilden, Sydney G., Jr., Stewart Manor, N. Y., a
The Permafuse Corp. Making and bonding t
tion material to a brake shoe. 2,646,377, Jul
Tiley, John W., assignor to Philco Corporation,
phia, Pa. Traveling wave electronic tube.
Mar. 3.
Tilford, Charles H.: *See*—
Werner, Harold W., and Tilford.
Tilghman, Charles F., Berkeley, Calif. Type-p
block assembly. 2,656,791, Oct. 27.
Tilghman Packing Company, assignee: *See*—
Harrison, George T.
Tiller, Hans, Zurich, Switzerland, assignor to
Anstalt für Optik und Mechanik, Vaduz, Liec
Highly corrected image producing photograp
tive system. 2,651,970, Sept. 15.
Tillery, Cloyd, Phenix City, Ala. Building wall
tion. 2,634,601, Apr. 14.
Tillery Container Company, assignee: *See*—
Tillery, Hubert B.
Tillery, Hubert B.: *See*—
Cumming, George T.
Tillery, Hubert B., assignor to Tillery Contai
pany, Kansas City, Mo. Garment hange
2,641,391. June 9.
Tillery, Luther D.: *See*—
Cumming, George T.
Tillinghast, Ray C., assignor to National Cotton
and Cotton Warehouse Association, Mempl
Automatic reefer for cotton compress
2,629,316, Feb. 24.
Tillman, John E., Albuquerque, N. Mex., assign
United States of America as represented by t
States Atomic Energy Commission. Signal
warning system. 2,656,527, Oct. 20.
Tillotson, Edwin W., Pittsburgh, assignor to Ga
ucts, Inc., Allegheny County, Pa. Stabilized p
compositions and manufacture thereof.
May 26.
Tillotson Manufacturing Company, The, assign
Foster, Edward H.
Phillips, Bernard C.
Tillou, Richard G.: *See*—
Danielson, Vernon S., and Tillou.
Tillou, Richard G., Lombard, assignor to W.
Inc., Chicago, Ill. Shock absorbing mechanis
way draft riggings. 2,656,937, Oct. 27.
Tillou, Richard G., Lombard, and A. E. Pawlak
assignors to W. H. Miner, Inc., Chicago, Ill.
porting shock absorber. 2,631,841, Mar. 17.
Tilly, James O., Tulsa, Okla. Check booklet.
May 5.
Tillyer, Edgar D., and J. R. Eves, assignors to
Optical Company, Southbridge, Mass. Thickn
for lenses. 2,646,627, July 28.
Tilton, Orlo G., Fullerton, Calif. Machine fo
the water spaces of radiators and engine block
vehicle power plants. 2,626,623, Jan. 27.
Tilton, Warren D., Jr.: *See*—
Hathaway, Claude M., Tilton, and Schafer.
Tilton, William J.: *See*—
Peters, Harry, and Tilton.
Tilton, William J., South Milwaukee, Wis.
workstand. 2,624,590, Jan. 6.
Tilt-Type Products, Inc., assignee: *See*—
Spector, Sam, and Teplanszki.
Timber Engineering Company, assignee: *See*—
Farber, Eduard, and Sciascia.
Timber Structures, Inc., assignee: *See*—
Payzant, Henry H.
Woodworth, Charles H.
Timberlake, Journey F., Charlottesville, Va. B
setting machine. 2,641,471, June 9.
Timberman, De Wilton B.: *See*—
Mitchell, Edmund G., and Timberman.
Time, Incorporated, assignee: *See*—
Klyce, Battle H.
Messinger, William, and Lytle.
Timefax Corporation, assignee: *See*—
Cooley, Austin G., and Dalton.
Dalton, Harold R.
Times Facsimile Corporation, assignee: *See*—
Cooley, Austin G.
McConnell, Kenneth R., and Marzan.
Timken-Detroit Axle Company, The, assignee:
Alden, Herbert W.
Haugen, Edmond H.
Keese, Beverly W.
Powers, Milton A.
Williams, Ivor H., and Super.
Timken Roller Bearing Company, The, assignee:
Ashton, Dennis.
Baker, John B.
Bergstrom, Albert L.
Chievitz, William J.
Clark, Claude L.
Edwards, Herbert C.
Fort, Frank, and Krug.
Green, Walter F.
Horger, Oscar J.
Hotchkiss, Sidney E.
Jones, Harry M.

Timken Roller Bearing Company, The, assignee: *See*— Continued.
Kiehl, Royal D., and Wagenhals.
Morgan, Ralph E.
Reifsnyder, Gladford A.

Timlin, Alfred A., De Land, Fla. Hydraulic elevating and transport trailer. 2,649,218, Aug. 18.

Timm, Herman M., Portland, Oreg. Partial denture. 2,631,373, Mar. 17.

Timmins, Meinrod J., Omaha, Nebr. Splint. 2,655,916, Oct. 20.

Timmler, Helmut: *See*—
Andersag, Hans, and Timmler.
Klarer, Joseph, and Timmler.

Timmler, Helmut, H. Andersag, and S. Breitner, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Derivatives of 2:3-dihydro-4-methyl-furo (3:2-c) quinoline and preparation thereof. 2,650,227, Aug. 25.

Timmler, Helmut, H. Andersag, and S. Breitner, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Derivatives of 2:3-dihydro-4-methyl-thieno (3:2-c) quinoline and preparation thereof. 2,650,228, Aug. 25.

Timmler, Helmut, H. Andersag, and S. Breitner, Wuppertal-Elberfeld, Germany, assignors to Schenley Industries, Inc., New York, N. Y. Derivatives of 2:3-dihydro-4-methyl-furo (3:2-c) quinoline and preparation thereof. 2,650,229, Aug. 25.

Timmons, George A., Hudson, assignor to The House of Timmons Inc., Twinsburg, Ohio. Tool kit. 2,656,869, Oct. 27.

Timmons, James R., assignor to The Rapids-Standard Company, Inc., Grand Rapids, Mich. Conveyer switch. 2,634,843, Apr. 14.

Timmons, William D., assignor to Pretty Products, Inc., Coshocton, Ohio. Preparing a dipping form. 2,631,108, Mar. 10.

Timpé, Atwood M., Los Angeles, Calif. Tobacco smoking pipe. 2,652,062, Sept. 15.

Timpner, Fred F.: *See*—
Jones, John F., Timpner, and Juvinall.

Timreck, Albert E.: *See*—
Regna, Peter P., Carbon, and Timreck.

Tindale, John: *See*—
Coales, John F., Elliott, Hill, Hersom, and Tindale.

Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Reduction of nitroolefins. 2,636,901, Apr. 28.

Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of N-methyl-l-isobutylisopentylamine. 2,640,855, June 2.

Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic reduction of nitroolefins. 2,647,930, Aug. 4.

Tindall, John B., Terre Haute, Ind., and J. W. Fraza, Jr., Joplin, Mo., assignors to Commercial Solvents Corporation, Terre Haute, Ind. Tetrahydrofurfuryliglycamines and producing same. 2,658,063, Nov. 3.

Tingley, Warren, Elmhurst, Ill. Electromagnetic sequence relay switch. 2,634,348, Apr. 7.

Tingvatne, Arthur, Kristiansand, Norway. Device for connecting a member to the end portion of a spindle or the like. 2,637,148, May 5.

Tinius Olsen Testing Machine Company, assignee: *See*— Stovall, John R., Jr., and Weintraub.

Tinker, Earl E.: *See*—
Mueller, Frank H., and Tinker.

Tinker, Earl E., assignor to Mueller Co., Decatur, Ill. Strainer. 2,661,096, Dec. 1.

Tinker, Leo H., San Gabriel, Calif. Device for applying test voltage to pipe coating. 2,629,002, Feb. 17.

Tinker, Walter H., St. Louis, Mo., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pumping apparatus. 2,632,392, Mar. 24.

Tinker, Walter H., St. Louis, Mo., assignor to Fairbanks, Morse & Co., Chicago, Ill. Pumping apparatus. 2,632,393, Mar. 24.

Tinker, Walter H., and H. C. Weber, St. Louis, Mo., assignors to Fairbanks, Morse & Co., Chicago, Ill. Fluid pump assembly. 2,660,953, Dec. 1.

Tinker, William G.: *See*—
Klein, Chris, Skarin, and Tinker.

Tinkler, Frank H., R. C. Stribley, and J. G. Kennedy, Mason, Mich., assignors, by mesne assignments, to American Home Products Corporation, New York, N. Y. Milk product enhanced in amino acids and peptides. 2,650,166, Aug. 25.

Tinley, Ernest L., Wolverhampton, and H. A. Hallett, Cheltenham, assignors to Joshua Bigwood & Son, Limited, Wolverhampton, England. Machine for operating on metal stock by rollers. 2,660,214, Nov. 24.

Tinlot, John H., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wide frequency coverage beacon receiver. 2,656,459, Oct. 20.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Support. 2,627,385, Feb. 3.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Nut anchoring device. 2,631,634, Mar. 17.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Nut anchoring device. 2,633,886, Apr. 7.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,636,533, Apr. 28.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device for electric wires. 2,641,808, June 16.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,644,502, July 7.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Caged nut and retaining bracket therefor. 2,649,126, Aug. 18.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Closure fastener. 2,652,275, Sept. 15.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Furniture post end construction. 2,654,620, Oct. 6.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Sheet metal snap fastener. 2,659,951, Nov. 24.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastener. 2,661,821, Dec. 8.

Tinnerman, George A., and L. H. Flora, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Tool for applying sheet metal fasteners to studs. 2,637,230, May 5.

Tinnerman, George A., and J. F. Rafferty, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastener strip. 2,646,714, July 28.

Tinnerman Products, Inc., assignee: *See*—
Andrews, Steve J.
Flora, Laurence H.
Hartman, Richard A.
Tinnerman, George A.
Tinnerman, George A., and Flora.
Tinnerman, George A., and Rafferty.

Tinsman, Jack R., Park Ridge, R. J. Novy, and J. E. Thurlow, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic metal spinning apparatus. 2,653,562, Sept. 29.

Tinsman, Jack R., Park Ridge, R. J. Novy, Chicago, and R. O. Pence, Wilmette, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic screw driving machine. 2,663,334, Dec. 22.

Tintes, Hubert A., West Fargo, N. Dak. Auxiliary conveyer extension. 2,662,634, Dec. 15.

Tipman, Ruby, Edmonton, Alberta, Canada. Puppet. 2,626,480, Jan. 27.

Tipple, Richard: *See*—
Bender, Joseph, Jr., Eberly, and Tipple.

Tipps, Jake B., Laurel, Miss. Lumber hoist truck. 2,652,164, Sept. 15.

Tipton, Alvin E., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Carside. 2,626,574, Jan. 27.

Tipton, Phillip R., Chandler, and W. F. Borgerd, Evansville, Ind., assignors to International Harvester Company. Window mounted air conditioner. 2,660,866, Dec. 1.

Tirrell, George E., Greenfield, Mass., assignor to A. B. Farquhar Company, York, Pa. Mist blower. 2,661,239, Dec. 1.

Tischler, Nathaniel, Palmyra, N. J., assignor to Sharples Chemicals Inc. Plant growth regulation. 2,637,640, May 5.

Tischler, Nathaniel, Palmyra, N. J., assignor to Sharples Chemicals Inc. Plant growth regulation. 2,637,641, May 5.

Tischler, Nathaniel, Palmyra, N. J., assignor to Sharples Chemicals Inc. Plant response agents. 2,637,642, May 5.

Tischler, Nathaniel, Palmyra, N. J., assignor to Sharples Chemicals Inc. Plant response agents. 2,637,643, May 5.

Tischler, Nathaniel, Palmyra, N. J., and E. P. Bell, Detroit, Mich., assignors to Sharples Chemicals Inc. Plant growth regulation. 2,637,644, May 5.

Tischler, Nathaniel, Palmyra, N. J., and E. P. Bell, Detroit, Mich., assignors to Sharples Chemicals Inc. Plant growth regulation. 2,637,645, May 5.

Tisdale, Leo S., Sr., Meridian, Miss. Variable stroke transmission for cooperating driven shafts. 2,654,259, Oct. 6.

Tisdale, Norman F., Jr.: *See*—
Tisdale, Norman F., N. F. Tisdale, Jr.

Tisdale, Norman F., and N. F. Tisdale, Jr., Pittsburgh, Pa., assignors to Molybdenum Corporation of America, New York, N. Y. Production of iron and steel. 2,643,949, June 30.

Tisdale, Thomas B., assignor to Virginia Metal Products Corporation, Orange, Va. Adjustable tilting plate bookshelf. 2,636,311, Apr. 28.

Tishler, Max: *See*—
Howe, Eugene E., and Tishler.
Minlon, Huang, and Tishler.
Sletzinger, Meyer, and Tishler.
Weijlard, John, and Tishler.

Tisot, Peter R.: *See*—
Horne, Joseph W., and Tisot.

Tissage Leonard Maere: Societe Anonyme, assignee: *See*— Van Risseghem, Firmin G. H.

Tissier, Roger H., Paris, France. Admission manifolds for internal-combustion engines. 2,647,503, Aug. 4.

Tissol, Carolyn E.: *See*—
Goodhue, Lyle D., and Tissol.

Titan Tool Company, assignee: *See*—
McKean, Boyd A.

Titcomb, Albert S., Hamden, Conn. Abrasive block or segment. Re. 23,717, Sept. 29.

Titeflex, Inc., assignee: *See*—
Carr, Robert S.
Morse, John W., Miles, and Bell.
Phillips, John J., and Darey.
Schwester, Daniel P.
Schwester, Daniel P., and Phillips.

Titone, Anthony J., Corona, N. Y. Preformed necktie. 2,648,846, Aug. 18.

Titsworth, Edwin J., Goodrich, Mich. Ventilated wall. 2,645,824, July 21.

Tittle, Barbara B., South Bend, Ind. Pinless diaper. 2,660,172, Nov. 24.

Tittsworth, Arthur F., Union City, Tenn. Awning construction. 2,629,146, Feb. 24.

Titus, Charles H., Philadelphia, Pa., assignor to General Electric Company. Arc quenching circuit interrupter. 2,632,826, Mar. 24.

Titus, Elwin S., Ridgewood, assignor to Robinson Aviation, Inc., Teterboro, N. J. Vibration isolation unit. 2,658,710, Nov. 10.

Titus, Esbon Y.: *See*—
Wankat, Charles, and Titus.

Titus Manufacturing Corporation, assignee: *See*— Castle, Vernon D.

Titus, Richard K.: *See*—
Schindler, Frank S., and Titus.

Titus, Robert L.: *See*—
MacMullen, Clinton W., Shaver, and Titus.

Titus, Robert M., Enterprise, Oreg., assignor to The Bristol Company, Waterbury, Conn. Differential pressure indicating device. 2,627,750, Feb. 10.

Titus, Thomas L., Cheyenne, Wyo. Beverage maker. 2,628,553, Feb. 17.

Titus, Thomas L., Cheyenne, Wyo., assignor to Wyott Manufacturing Co., Inc. Liquid dispensing device. 2,649,276, Aug. 18.

Tivollier, Juan B., assignee: *See*— Lagardère, Alberto.

Tizzard, Thomas W., Jr., Downers Grove, Ill., assignor to Westinghouse Air Brake Company. Four-indication signal control system embodying polar biased code following and polarized line relays. 2,638,536, May 12.

Tjensvold, Arnt H.: *See*—
Stitt, Fred, Tomimatsu, and Tjensvold.

Tjomsland, Eli H., Maywood, and K. D. Isecke, Teaneck, assignors to Vibro Vita Products Co., Ridgefield Park, N. J. Cutting tip of composite construction. 2,652,105, Sept. 15.

Toadvine, Norman F., Salisbury, Md. Poultry waterer regulating valve. 2,629,396, Feb. 24.

Toadvine, Norman F., Salisbury, Md. Automatic water valve. 2,629,397, Feb. 24.

Toadvine, Norman F., Salisbury, Md. Automatic water valve. 2,629,581, Feb. 24.

Toal, Thomas S., McFarland, Wis. Decoy anchor. 2,630,093, Mar. 3.

Toal, Thomas S., McFarland, Wis. Separable eaves trough hanger means. 2,631,801, Mar. 17.

Toastswell Company, Inc., assignee: *See*— McCullough, Paul J.

Toastswell Company, Inc., The, assignee: *See*— McCullough, Paul J.

Tobe Deutschmann Corporation, assignee: *See*— Dévot, André J.

Tobias, David L., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,631,456, Mar. 17.

Tobias, Herrmann B., Washington, D. C. Collapsible metal shelter. 2,642,162, June 16.

Tobias, Leon, Brooklyn, N. Y. Necktie. 2,642,572, June 23.

Tobiassen, Ole H., assignor to Lovens kemiske Fabrik ved A. Kongsted, Copenhagen, Denmark. Penicillin salts of aminoalkyl-hydroxybenzoates. 2,659,722, Nov. 17.

Tobin-Arp Manufacturing Company, assignee: *See*— Arp, Ewald A.

Tobin, Thomas J.: *See*—
Allan, William G., and Tobin.

Tobis, Robert A., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Spring loaded safety valve. 2,631,605, Mar. 17.

Tobis, Robert A., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Appliance for lapping flat annular surfaces or disks. 2,649,669, Aug. 25.

Toby, Max E.: *See*—
Cheney, Vao L., and Toby.

Tocci-Guilbert, Berne, assignor, by mesne assignments, to Berne Tocci-Guilbert, San Francisco, and H. G. Hardy, Berkeley, Calif., as trustees. Resilient coupling for abrasive wheels. 2,629,990, Mar. 3.

Tocci-Guilbert, Berne, assignor, by mesne assignments, to B. Tocci-Guilbert, San Francisco, and H. G. Hardy, Berkeley, Calif., as trustees, jointly. Resilient coupling. 2,633,008, Mar. 31.

Toce, Charles A.: *See*—
Broussard, Robert F., and Toce.

Tochilin, Eugene, San Francisco, and R. H. Davis, Albany, Calif. X-ray film badge dosimeter. 2,624,846, Jan. 6.

Tod, George B., Schenectady, N. Y. Vehicle spee
ing device. 2,628,345, Feb. 10.

Todd, Alexander R., and A. M. Michelson, Cambr
signors to National Research Development Cor
London, England. Synthesis of adenosine-5'
phate. 2,645,637, July 14.

Todd, Bryan J., R. E. Turner, and R. E. Broberg, a
to Associated Motorists Petrol Company Limit
lington, New Zealand. Apparatus for use in the
of liquids from containers. 2,643,800, June 30.

Todd, C., trustee, assignee: *See*—
Koch, Frederick.

Todd, Charles E.: *See*—
Wikle, George F., and Todd.

Todd, Charles W.: *See*—
Searle, Norman E., and Todd.

Todd, Charles W., assignor to E. I. du Pont de
& Company, Wilmington, Del. 3-(halophenyl
alkyl ureas and weed control compositions and
2,655,444, Oct. 13.

Todd, Charles W., assignor to E. I. du Pont de
& Company, Wilmington, Del. 3-(halophenyl)-
1-(methyl or ethyl) ureas and herbicidal comp
and methods employing same. 2,655,445, Oct.

Todd, Charles W., assignor to E. I. du Pont de
& Company, Wilmington, Del. Chemical comp
and methods. 2,655,446, Oct. 13.

Todd, Charles W., assignor to E. I. du Pont de
& Company, Wilmington, Del. Composition and
2,655,447, Oct. 13.

Todd Company, Inc., The, assignee: *See*— Schreiner, Edward W.

Todd, Everett W., assignor to The Massey-Harr
pany, Racine, Wis. Flexible tractor implemen
2,624,256, Jan. 6.

Todd, Everett W., assignor to The Massey-Harr
pany, Racine, Wis. Rubber tired gauge
2,648,369, Aug. 11.

Todd, Floyd, Springfield, Pa. Method and e
chamber for spectroscopic analyses. 2,643,574.

Todd, Frank A., McKeesport, Pa. Combination bo
and pourer. 2,650,734, Sept. 1.

Todd, George W., Bronxville, N. Y., assignor to
Laughlin Steel Corporation, Pittsburgh, Pa. Tw
2,649,223, Aug. 18.

Todd, Guerin, assignor to Hanson-Van Winkle-
Company, Matawan, N. J. Conveyer drive mec
2,654,462, Oct. 6.

Todd, Horace: *See*—
Burn, Lewis, Todd, and Oliver.

Todd, Max E.: *See*—
Nichols, Charles A., Todd, Fletcher, and Kelle

Todd, Max E., Anderson, Ind., assignor to General
Corporation, Detroit, Mich. Armature assembl
chine. 2,631,362, Mar. 17.

Todd Shipyards Corporation, assignee: *See*— Healy, Frank L., and Connors.

Todd, Walter H.: *See*—
Kohler, Marvin C., and Todd.

Todd, William, Interlaken, N. J., assignor to the
States of America as represented by the Secr
the Army. Signal discriminating system. 2,
Mar. 17.

Todd, William, Neptune City, N. J., assignor to th
States of America as represented by the Secr
War. Radio-frequency transmission line switch
tem. 2,647,240, July 28.

Toelcke, Magnus E., San Jose, Calif. Collect
2,660,441, Nov. 24.

Toelke, Lester W., Houston, Tex. Apparatus for
wells. 2,651,371, Sept. 8.

Toelke, Lester W., Houston, Tex. Apparatus for
wells. 2,656,891, Oct. 27.

Toennies, Owe M., assignors to The E. Kahn's So
pany, Cincinnati, Ohio. Shrinking machine. 2,
Sept. 8.

Toepel, Tim: *See*—
Graf, Fritz, and Toepel.

Toepfer, Ernst: *See*—
Underwood, Wilford H., and Toepfer.

Toepper, Otto W., assignor to Johnson Fare Bo
pany, Chicago, Ill. Card selecting apparatus. 2,
May 12.

Toftmann, Günter H., Bremen, Germany. Pressu
oil burner. 2,626,187, Jan. 20.

Toggenburger, John, Hartford, Conn., assignor to
wood Corporation, New York, N. Y. Cop
2,647,491, Aug. 4.

Toggenburger, John, Hartford, Conn., assignor to
wood Corporation, New York, N. Y. Line
device. 2,662,628, Dec. 15.

Tognola, Tullio, Sidney, assignor to Bendix Aviat
poration, New York, N. Y. Electrical ap
2,651,005, Sept. 1.

Toidey Company, Gertrude A. Muller, Inc., The, a
See—
Singleton, Arthur E.

Tolen, Paul J., Los Angeles, Calif. Slide rule. 2,
Sept. 1.

Tokheim Oil Tank and Pump Company, assignee:
Higginbotham, Edwin S.
Hill, Robert H., and Keepers.

Tol, Taeke: *See*—
Teves, Marten C., and Tol.

Toland, Wayne G.: *See*—
Morkoski, James, and Toland.

Toland, Wayne G., Canton, Ill., assignor to International Harvester Company. Power-lift attachment for implements. 2,638,044, May 12.

Toland, William G., Jr., Richmond, assignor to California Research Corporation, San Francisco, Calif. Linear polymers from stilbene dicarboxylic acid. 2,657,195, Oct. 27.

Toland, William G., Jr., San Rafael, assignor to California Research Corporation, San Francisco, Calif. Separation of isophthalic and terephthalic acids from their mixtures. 2,664,440, Dec. 29.

Toledo Desk & Fixture Corporation, assignee: *See*—
Crook, Frank M.

Toledo Scale Company, assignee: *See*—
Haas, Arthur W.
Hart, Norman E.
Koch, William F.
Little, John M., and Blank.
Mallory, Donald D.
Weckerly, Mark A.
Williams, Lawrence S.

Toler, Thomas I. J.: *See*—
Shaw, Harry, Thompson, and Toler.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Tetraalkyldiamidophosphoryl phosphoric dichlorides. 2,654,780, Oct. 6.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Bis(tetraalkyldiamidophosphoryl)alkanephosphonates. 2,654,781, Oct. 6.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Manufacture of octaalkylpyrophosphoramides. 2,654,782, Oct. 6.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Manufacture of octaalkylpyrophosphoramides. 2,654,783, Oct. 6.

Tolkmith, Henry, assignor to The Dow Chemical Company, Midland, Mich. Manufacture of phosphoric acid anhydrides. 2,654,784, Oct. 6.

Tollefsbol, Orion E., Oak Ridge, Tenn., assignor to the United States of America, as represented by the United States Atomic Energy Commission. Sealed telescopic pipe joint. 2,647,770, Aug. 4.

Tollefsen, Reidar A.: *See*—
Hall, Leonard I., and Tollefsen.

Tollenaar, Frederik D., Utrecht, assignor to de Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van de Voeding, The Hague, Netherlands. Preparation of a stable butter. 2,638,420, May 12.

Tollison, Paul L.: *See*—
Ricards, Charles L., Tornberg, and Tollison.

Tollison, Paul L., North Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Replacement roll accelerating mechanism for web splicing device. 2,629,562, Feb. 24.

Tollison, Paul L., North Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Sheet inserting apparatus for printing presses. 2,631,033, Mar. 10.

Tollison, Paul L., North Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web accelerating mechanism for web splicing devices. 2,638,281, May 12.

Tolman, Charles P., Kew Gardens, N. Y. Ocular tension indicator. 2,656,715, Oct. 27.

Tolman, Samuel L., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Apparatus for removing grit from sewage. 2,647,085, July 28.

Tom, Theodore B., and J. H. Krause, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Sweetening hydrocrabon distillates. 2,645,602, July 14.

Tomaini, Hugo P.: *See*—
Schiemann, George L.

Tomanica, Andrew C., Lansing, Mich. Suction brush having removable brush units for cleaning Venetian blinds. 2,652,583, Sept. 22.

Tomarin, Harry A.: *See*—
Kinney, John W., Jr., and Tomarin.

Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Shirt board. 2,633,275, Mar. 31.

Tomarin, Marcus, Cincinnati, Ohio. Tube bending hand tool with a rocking pressure member. 2,654,279, Oct. 6.

Tomarin, Marcus, Cincinnati, Ohio. Tube expanding tool. 2,654,414, Oct. 6.

Tomarkin, Leandro W., assignee: *See*—
Meyer, Merle R.

Tomasek, Herbert F., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Liquid spraying valve structure. 2,632,585, Mar. 24.

Tomaskovic, Frank, assignee: *See*—
Veschio, Anthony P.

Tomberlin, William M., North Hollywood, L. G. MacKenzie, Inglewood, and P. K. Bennett, Pasadena, assignors to Musicast, Inc., Los Angeles, Calif. System for transmitting and receiving coded entertainment programs. 2,630,525, Mar. 3.

Tomenceak, Arthur A.: *See*—
Bullard, Edward P., and Tomenceak.

Tomimatsu, Yoshio: *See*—
Stit, Fred, Tomimatsu, and Tjensvold.

Tomlin, Robert L., Savannah, Ga. Pulpwood saw grinder. 2,656,738, Oct. 27.

Tomlinson, Archie F., Oakland, Calif. Retractable brush and casing therefor. 2,637,869, May 12.

Tomlinson, Ben L., assignor to Arid-Aire Manufacturing Company, Minneapolis, Minn. Grain drier. 2,657,032, Oct. 27.

Tomlinson, Ben L., St. Louis Park, and D. E. Carlson, Litchfield, assignors to Arid Aire Manufacturing Company, St. Louis Park, Minn. Grain drier. 2,657,031, Oct. 27.

Tomlinson, Fay M., Lakewood, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool feed. 2,639,736, May 26.

Tomlinson, Kent: *See*—
Grant, Allan, and Tomlinson.

Tomlinson, Lyle, Eugene, Oreg. Saw setting tool 2,626,531, Jan. 27.

Tommasi, Giovanni, Rome, Italy. Photocell sensitive to electromagnetic radiations. 2,641,711, June 9.

Tomonari, Tsukumo, Osaka, Japan, assignor of one-fourth to Omni Products Corporation, New York, N. Y. Treatment of polyvinyl alcohol fibers by dielectric heating. 2,639,970, May 26.

Tomonari, Tsukumo, Osaka, and M. Akaboshi, Kurashiki, Japan, assignors of one-fourth to Omni Products Corporation, New York, N. Y. Spinning polyvinyl alcohol fibers. 2,642,333, June 16.

Tompkin, George W., Lahaina, Hawaii. Centrifugal machine. 2,642,997, June 23.

Tompkins, Howard E., Ridley Park, assignor to Trustees of the University of Pennsylvania, Philadelphia, Pa. Electrical system. 2,627,539, Feb. 3.

Tompkins, John: *See*—
Lied, Edgar B., and Tompkins.

Tompkins, John E., assignor of thirty one-hundredths to R. R. Roemer, thirty-five one-hundredths to L. E. Roemer, Cleveland, twenty-five one-hundredths to W. R. Kiefer, Gates Mills, and ten one-hundredths to said J. E. Tompkins, Cleveland, Ohio. Wood sawing machine. 2,628,643, Feb. 17.

Tonagel, Hugh A., Washington Township, and L. Stephani, Union Township, La Porte County, Ind., said Tonagel assignor to said Stephani. Stable cleaning device. 2,639,803, May 26.

Toncray, Millard H., Grosse Pointe Park, W. I. Nyquist, and C. W. Cenzer, assignors to Hudson Motor Car Company, Detroit, Mich. Motor vehicle body frame. 2,627,426, Feb. 3.

Toncray, Millard H., and F. S. Spring, Grosse Pointe, assignors to Hudson Motor Car Company, Detroit, Mich. Motor vehicle body frame. 2,627,437, Feb. 3.

Tondreau, Albert W., Los Angeles, assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Means for rapidly processing photographic film. 2,651,245, Sept. 8.

Tondreau, Albert W., Westwood Village, and F. W. Gage, Beverly Hills, assignors to Warner Bros. Pictures, Inc., Burbank, Calif. Composite photography. 2,651,233, Sept. 8.

Tonex Company, The, assignee: *See*—
Dahlberg, Arnold R., Larson, and Chapman.

Toney, Charles D.: *See*—
Wright, John G., Toney, Watkins, Sudan, and Maxwell.

Tongson, Adrian N., Chicago, Ill. Fishing line sinker. 2,663,113, Dec. 22.

Tongue, Ben H., Westfield, N. J., assignor, by mesne assignments, to M. Wallace, doing business as Panoramic Laboratories, East Port Chester, Conn. Wide band spectrum analyzer. 2,661,419, Dec. 1.

Tonkens, Rosalie R., Cincinnati, Ohio, and A. N. Gunther, Grand Rapids, Mich., said Gunther assignor to said Tonkens. Unitary bib and tissue dispenser. 2,651,039, Sept. 8.

Tonks, Clarence R., Miramar, Wellington, New Zealand. Stand for pressing irons. 2,657,000, Oct. 27.

Tonks, Lewi, Scotia, N. Y., and J. F. Hull, Asbury Park, N. J., assignors to the United States of America as represented by the Secretary of the Army. Output connection for magnetron. 2,659,027, Nov. 10.

Tonutti, Emil, Giessen, and W. Schoeller, Konstanz, Germany, and J. Jónás, Oakdale, N. Y. 1-phenyl-2,3-dimethyl-4-amino-5-pyrazolone-N-phosphoric acid dialkylesters. 2,662,894, Dec. 15.

Tooker, Howard A., Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency selective amplifier. 2,629,785, Feb. 24.

Toole, Clark W., Jacksonville, Fla. Cotton picker. 2,663,136, Dec. 22.

Tooley, Douglas A.: *See*—
Larson, John W., and Tooley.

Tooley, Fay V.: *See*—
Tiede, Ralph L., and Tooley.

Toombs, Harry B., New York, and G. Amberge, Mount Vernon, N. Y. Toy rattle. 2,626,481, Jan. 27.

Toomey, John A., Worcester, Mass. Combination child's crib and dressing table. 2,652,574, Sept. 22.

Toop, Dorothy, assignee: *See*—
Toop, Frederick.

Toop, Frederick, assignor of twenty-five per cent to D. Toop, New York, twenty-five per cent to A. Freitas and twenty-five per cent to R. Freitas, Brooklyn, N. Y. Fountain applicator device having automatically controlled nozzles. 2,649,601, Aug. 25.

Topanelian, Edward, Jr., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Hammer drill. 2,661,928, Dec. 8.

Töpfer, Richard J., Bissingen (Enz), assignor to Inconex Handelsges. m. b. H., Stuttgart, Zuffenhausen, Germany. Tubular receptacle. 2,645,375, July 14.

Topham, Albert H.: *See*—
McTavish, John S., and Topham.

Topham, Laurence E., Wenham, Mass., and P. H. Girouard, Washington, D. C., said Topham assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for preventing collisions between guns. 2,633,060, Mar. 31.

Topmiller, Alma K., assignee: *See*—
Topmiller, Edwin B.

Topmiller, Anna C., assignee: *See*—
Topmiller, Edwin B.

Topmiller, Dorothy, assignee: *See*—
Topmiller, Edwin B.

Topmiller, Edwin B., Nashville, Tenn., assignor of nine percent to A. K. Topmiller, ten percent to E. B. Topmiller, Jr., ten percent to D. Topmiller, ten percent to K. Garrison, and ten percent to A. C. Topmiller. Composition tendon support. 2,647,510, Aug. 4.

Topmiller, Edwin B., Jr., assignee: *See*—
Topmiller, Edwin B.

Topp, Hereward J. B., Mauriceville, Wairarapa, New Zealand. Means for delivering lime and manure from motor trucks and the like. 2,659,608, Nov. 17.

Topping, Eugene, Brooklyn, N. Y. High and low level audible boiler water alarm. 2,632,419, Mar. 24.

Tops Plastics, Inc., assignee: *See*—
Arpin, John W.

Torbert, Charles W., Oklahoma City, Okla. Finger controlled sponge covered spray head. 2,658,219, Nov. 10.

Torbert, Everyl M., Freeland, assignor to S. Greenberg and M. Kolker, a copartnership doing business as Buckle-Craft Co., Baltimore, Md. Apparatus for making buckles. 2,639,489, May 26.

Torcheux, Emile L. G., and E. A. H. Honoré, Paris, France. Localization system. 2,651,032, Sept. 1.

Torelli, Armand H., assignee: *See*—
Torelli, Eileen.

Torelli, Eileen, assignor of one-half to A. H. Torelli, Los Angeles, Calif. Knot retainer. 2,650,399, Sept. 1.

Torino, Vincent, Brooklyn, N. Y. Combined toothbrush and gum massager. 2,653,598, Sept. 29.

Torke, Erich, Hamburg, and W. Matthaes, Krefeld (Rhine), assignors to Phrix-Werke, A. G., Hamburg, Germany. Making readily filterable viscose. 2,647,114, July 28.

Torley, Robert E.: *See*—
Colthup, Norman B., and Torley.

Tormo, Mel G., Woodside, N. Y. Quick-fastening conduit clamp and hanger. 2,634,930, Apr. 14.

Tornabene, Alfonse F., Chicago, Ill. Detachable window structure. 2,659,112, Nov. 17.

Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corp., Lodi, N. J. Web extrusion die. 2,628,386, Feb. 17.

Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corp., Lodi, N. J. Electrical switching operating device. 2,647,966, Aug. 4.

Tornberg, Isidor: *See*—
Ricards, Charles L., Tornberg, and Tollison.

Tornblom, Nils A., assignor to Appleton Electric Company, Chicago, Ill. Double beam automotive spotlight. 2,640,912, June 2.

Törnebohm, Hilding V., assignor to Aktiebolaget Svenska Kullagerfabriken, Gothenburg, Sweden. Adjustable gauge block. 2,636,279, Apr. 28.

Tornheim, Harold, Chicago, Ill. Harmonic generator. 2,648,812, Aug. 11.

Toro Manufacturing Corporation, assignee: *See*—
Miller, William F., and Kroll.

Toronto Star Limited, The, assignee: *See*—
Sykes, Thomas R.

Torosian, Peter G.: *See*—
Chalik, John, and Torosian.

Torre, Alton J., Westmont, N. J., assignor to Radio Corporation of America. Radio-frequency transformer and inductance element therefor. 2,626,318, Jan. 20.

Torrence, Maynard F., Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Plasticizing rubber. 2,658,091, Nov. 3.

Torrence, Paul L., Huntington Park, Calif., assignor to North American Aviation, Inc. Parking brake valve and pressure compensator. 2,633,711, Apr. 7.

Torres, Franklin, Milwaukee, Wis. Cutter for producing radish rosettes. 2,625,972, Jan. 20.

Torres, Victor P., San Gabriel, Calif. Frying utensil. 2,635,528, Apr. 21.

Torrey, Bradford M., Milton, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency directed radio energy system. 2,659,818, Nov. 17.

Torrington Company, The, assignee: *See*—
Virtue, Byron T.

Torrington Manufacturing Company—Western Division, The, assignee: *See*—
Stevenson, Glenn M., and McFarlane.

Torrisi, Alfred F., and F. W. Grahame, Pittsfield, Mass., assignors to General Electric Company. Capacitor and manufacture. 2,648,120, Aug. 11.

Torsch, Charles E., North Syracuse, N. Y., a
Bendix Aviation Corporation, Towson, M
supply arrangement for television receivers.
Jan. 27.

Torsch, Charles E., North Syracuse, N. Y., a
General Electric Company. Universal sweep
voltage transformer. 2,639,319, May 19.

Torstensen, Kristian T., Millet, Alberta, Canad
and fence post construction. 2,628,075, Fe

Tortorice, Louis, Bristol, R. I. Bracket for valv
2,661,483, Dec. 8.

Total, Henri, assignor to Societe Anonyme dite
Automatiques Bardet, Paris, France. Mech
distributing slim articles. 2,661,830, Dec. 8.

Total Kommanditgesellschaft Foerstner & Co.,
See—
Klosse, Ernst.

Tote Engineering, Inc., assignee: *See*—
White, Frank J., and Scott.

Toth, Dolan H., Spring Lake Park, Minn., as
mesne assignments, to the United States of A
represented by the Secretary of the Navy.
one-shot multivibrator. 2,641,717, June 9.

Toth, Emerick, Takoma Park, Md. Biased
noise limiter and silencer. 2,638,540, May 12

Toth, Emerick, Takoma Park, Md. Variable b
transformer. 2,651,761, Sept. 8.

Toth, Joe: *See*—
Johnson, Myron A. C., and Toth.

Toth, John E., Akron, Ohio, assignor to The
Wilcox Company, New York, N. Y. Retract
expander. 2,630,853, Mar. 10.

Toth, Julius, Beaver, and F. L. Gelzheiser, P
assignors to Westinghouse Electric Corporat
Pittsburgh, Pa. Circuit breaker. 2,654,008,

Toth, Julius, Beaver, assignor to Westinghous
Corporation, East Pittsburgh, Pa. Circui
2,660,643, Nov. 24.

Toth, Louis, Stamford, Conn. Window operat
type. 2,636,727, Apr. 28.

Toth, Stephen, Flushing, N. Y., assignor to Shel
ment Company, San Francisco, Calif. Anim
play device. 2,646,639, July 28.

Toti, Dante D., assignor, by decree of distri
R. Toti, Modesto, Calif. Fowl picker head.
Apr. 14.

Toti, Rina, assignee: *See*—
Toti, Dante D.

Tot-Lines, Inc., assignee: *See*—
Hargrave, Arthur P.

Totzek, Friedrich, Essen (Ruhr), Germany, a
Koppers Company, Inc., Pittsburgh, Pa. Proc
iron sponge from iron ore. 2,650,160, Aug. 2

Totzek, Friedrich, Essen (Ruhr), Germany, a
Koppers Company, Inc., Pittsburgh, Pa. Proc
iron in a blast furnace. 2,650,161, Aug. 25.

Touborg, Jens, assignor to Tresco, Inc., Tecums
Hermetic refrigeration compressor. 2,627,17

Toulmin, Harry A., Jr., assignor to The Comm
Engineering Company of Ohio, Dayton, Ohio.
battery separator plate. 2,624,768, Jan. 6.

Toulmin, Harry A., Jr., assignor to The Comm
Engineering Company of Ohio, Dayton, Ohio.
and apparatus for dehydration. 2,628,485, Feb

Toulmin, Harry A., Jr., Dayton, assignor to Gla
Inc., Waterville, Ohio. Method and apparatu
ducing staple glass fibers. 2,635,285, Apr. 21.

Toulmin, Harry A., Jr., Dayton, assignor to Gla
Inc., Waterville, Ohio. Producing continuous
ments. 2,635,389, Apr. 21.

Toulmin, Harry A., Jr., assignor to The Comm
Engineering Company of Ohio, Dayton, Ohio.
evaporated food product, especially milk, and
2,656,276, Oct. 20.

Toulmin, Harry A., Jr., assignor to The Comm
Engineering Company of Ohio, Dayton, Ohio.
rolled sheet metal. 2,656,284, Oct. 20.

Toulmin, Harry A., Jr., assignor to The Comm
Engineering Company of Ohio, Dayton, Oh
tinuous metal production and continuous gas
2,657,457, Nov. 3.

Toulmin, Harry A., Jr., assignor to The Comm
Engineering Company of Ohio, Dayton, Ohio.
and apparatus for dehydration. 2,657,551, No

Toulmin, Harry A., Jr., assignor to The Comm
Engineering Company of Ohio, Dayton, Ohio
arrangement with coin-operated dispensing
2,661,504, Dec. 8.

Toulmin, Harry A., Jr., and W. R. Stauffer, ass
The Commonwealth Engineering Company
Dayton, Ohio. Impregnating a synthetic rubbe
a sponge rubber and the article produced
2,659,703, Nov. 17.

Toulon, Pierre M. G., Paris, France, assignor to
& Licensing Corporation, New York, N. Y. I
system of voltage rectification by means of r
tubes provided with a control grid. 2,637,837,

Toulon, Pierre M. G., Paris, France, assignor to
& Licensing Corporation, New York, N. Y. C
and other electrical apparatus with rotary comm
2,650,305, Aug. 25.

Toulon, Pierre M. G., assignor to Products and Licensing Corporation, New York, N. Y. Rectifier tube and system. 2,650,318, Aug. 25.

Toulon, Pierre M. G., New York, N. Y., assignor to Products and Licensing Corporation. Ionic tube for controlling electric currents. 2,654,856, Oct. 6.

Tour, Sam, New York, N. Y., assignor to J. S. W. Bates, Phoenix, Ariz. Cartridge for below-surface treatment of molten metals. 2,624,667, Jan. 6.

Touraton, Emile, and C. Welil, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Electronic discharge tube. 2,641,725, June 9.

Touraton, Emile, and R. Zwobada, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Ultrahigh-frequency electron tube. 2,640,112, May 26.

Touraton, Emile, Paris, and C. Dumousseau, Pierrefitte, France, assignors to International Standard Electric Corporation, New York, N. Y. Hyperfrequency vacuum tube. 2,640,172, May 26.

Touraton, Emile, A. Piquet, and C. Dumousseau, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Velocity modulation amplifier tube. 2,641,730, June 9.

Touraton, Emile, Paris, and C. Dumousseau, Pierrefitte, France, assignors to International Standard Electric Corporation, New York, N. Y. Catcher circuits for velocity modulation tubes. 2,647,219, July 28.

Touraton, Emile, and R. Zwobada, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Ultrahigh-frequency vacuum tube. 2,660,689, Nov. 24.

Tourek, J. J., Mfg. Co., assignee: *See*—
Ross, Joseph F.

Tournier, Marcel C., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Band pass filter. 2,640,879, June 2.

Tournier, Marcel C., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Integral electrode with lead wire anchor for piezoelectric crystal. 2,648,785, Aug. 11.

Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Beam deflection control. 2,633,538, Mar. 31.

Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Beam deflection control. 2,633,554, Mar. 31.

Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Beam deflection control. 2,633,555, Mar. 31.

Tourshou, Simeon I., Philadelphia, Pa., assignor to Radio Corporation of America. Sync separation and automatic gain control. 2,652,450, Sept. 15.

Tourshou, Simeon I., Philadelphia, Pa., and G. E. Skorup, Oaklyn, N. J., assignors to Radio Corporation of America. Television-to-radio voltage changing system. 2,654,800, Oct. 6.

Tourtellot, John A.: *See*—
Ammlung, Louis C., Jr., and Tourtellot.

Tourtelotte, William E., Burlingame, Calif. Window construction. 2,628,391, Feb. 17.

Touvay, Robert, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Paris, France. Glazing. 2,641,341, June 9.

Tower, Gordon E., assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg. Forming artificial board. 2,643,186, June 23.

Tower, Ralph S., Cottage Grove, and F. M. Burton, Eugene, Oreg. Saw sharpener. 2,651,219, Sept. 8.

Towle, George J., Walnut Creek, Calif. Tool-mounting arbor. 2,656,190, Oct. 20.

Towler, Frank H.: *See*—
Towler, John M., and F. H.

Towler, John M., Cumberland, and F. H. Towler, Otley, assignors to Electraulic Presses Limited, Rodley, England. Automatic unloading valve for hydraulic pumps. 2,655,169, Oct. 13.

Towler, John M., Cumberland, and F. H. Towler, Otley, Yorks, assignors to Electraulic Presses Limited, Rodley, England. Axial type reciprocating pump, compressor, motor and engine. 2,661,700, Dec. 8.

Towler, John M., Harrogate, and F. H. Towler, Otley, assignors to Electraulic Presses Limited, Rodley, England. Pilot controlled pressure relief valve. 2,655,174, Oct. 13.

Towler, John M., Rodley, England, assignor of one-half to Mavor & Coulson, Limited, Glasgow, Scotland. Mining machine. 2,626,139, Jan. 20.

Towler, John M., Rodley, England, assignor of one-half to Mavor & Coulson, Limited, Glasgow, Scotland. Pneumatically controlled hydraulic prop. 2,638,075, May 12.

Towler, John M., Rodley, and F. H., Dob Park, near Otley, assignors to Electraulic Presses Limited, Rodley, England. Unloading and relief valve. 2,655,930, Oct. 20.

Towmotor Corporation, assignee: *See*—
Daniels, Lee C.
Frischmann, Joseph A.
Shaffer, Walter M.
Weaver, Elverton W.

Town, Edward W., Wildwood, N. J. Cushioning insole for shoes. 2,645,865, July 21.

Towne, Charles C., Beacon, assignor to The Texas Company, New York, N. Y. Oil compositions. 2,662,055, Dec. 8.

Towne, Edmund B.: *See*—
Dickey, Joseph B., and Towne.

Towner, Harold G., Arlington, Va. Cold extruding a projectile with a rotating band. 2,663,068, Dec. 22.

Towner Manufacturing Co., assignee: *See*—
Heckathorn, Loyd E.
Rapp, Howard B., and Heckathorn.

Townhill, Arthur, assignor to Thompson Products Inc., Cleveland, Ohio. Forming a composite bearing. 2,649,651, Aug. 25.

Townhill, Arthur, East Cleveland, Ohio, and W. P. Holcombe, Ann Arbor, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Shrouded wheel. 2,639,886, May 26.

Townley, Robert W.: *See*—
Marsh, William S., Mayer, Mull, Scholz, and Townley.

Townsend, Claude M., Birmingham, England. Antifrictional bearing of the load ball type. 2,650,865, Sept. 1.

Townsend, Franklin L.: *See*—
Crandall, Charles B., and Townsend.

Townsend, Frederick H., and H. S. Hall, assignors to Cathodeon Limited, Cambridge, England. Alarm switch device. 2,651,687, Sept. 8.

Townsend, Jack D., Lowry Bay, New Zealand. Machine for blending wool. 2,646,597, July 28.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode gaseous discharge devices and circuits therefor. 2,627,053, Jan. 27.

Townsend, Mark A., Berkeley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode gaseous discharge device and circuits. 2,635,810, Apr. 21.

Townsend, Mark A., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant voltage glow discharge control device. 2,629,842, Feb. 24.

Townsend, Mark A., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cold cathode electric discharge device. 2,650,320, Aug. 25.

Townsend, Ray T., Des Moines, Iowa. Skinning machine for flat pork cuts. 2,659,402, Nov. 17.

Townsley, Malcolm G., Park Ridge, assignor to Bell & Howell Company, Chicago, Ill. Adjustment providing electromagnetic head mount. 2,647,755, Aug. 4.

Townsley, Malcolm G., Park Ridge, assignor to Bell & Howell Company, Chicago, Ill. Automatic sheet feeding mechanism. 2,655,374, Oct. 13.

Towse, Roy S., assignor to Utility Tool Company, Inc., Weiser, Idaho. Vehicle mover. 2,638,317, May 12.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Producing trialkyl phosphate esters. 2,636,048, Apr. 21.

Toy, Arthur D. F., Park Forest, Ill., assignor to Victor Chemical Works. Bis(dialkyl phosphate) esters of alkylidene diphenols. 2,643,265, June 23.

Toy, Arthur D. F., Park Forest, Ill., assignor to Victor Chemical Works. Preparing tetraalkyl dithionopyrophosphates. 2,663,722, Dec. 22.

Toy Enterprises of America, Inc., assignee: *See*—
Volman, Harold J.

Toy, Warren R., Yonkers, N. Y., assignor to Becton Dickinson and Company, Rutherford, N. J. Needle card. 2,645,339, July 14.

Toye, Robert W., Winona, Minn. Apparatus for avoiding moisture condensation on toilet flush tanks. 2,659,898, Nov. 24.

Trace, Keith B., Detroit, Mich., assignor of one-half to W. E. Pace. Method of and apparatus for generating and cutting gears. 2,664,030, Dec. 29.

Trace, Keith B., Detroit, Mich. Generating and cutting gears. 2,664,031, Dec. 29.

Tracerlab, Inc., assignee: *See*—
Atchley, Dana W., Jr.
Young, John F.

Trachsler, Fred A., Vallejo, Calif. Lock guard. 2,631,881, Mar. 17.

Trachte, Robert M.: *See*—
Voss, Arnold W., and Trachte.

Trachtenberg, Robert, Camden, N. J., assignor to the United States of America as represented by the Secretary of the Air Force. Pulse selection. 2,649,543, Aug. 18.

Trackon Co., Inc., assignee: *See*—
Saunders, Norman.

Tracy, Glen M., and J. C. Petrea, assignors to Wright Machinery Company, Durham, N. C. Automatic band applying machine. 2,630,260, Mar. 3.

Tracy, Michael J., Robertson, Mo. Window structure. 2,661,506, Dec. 8.

Trad, Victor, Asbury Park, N. J. Projection tube with movable target electrode. 2,637,829, May 5.

Trad, Victor, Deal, N. J. Coin-operated timing device. 2,625,996, Jan. 20.

Traeger, Bruno, Mulheim-Heissen, and W. Rottig, Oberhausen-Sterkrade-Nord, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Purification of alcohols by azeotropic distillation. 2,663,682, Dec. 22.

Traffic House, Inc., assignee: *See*—
Scheske, Roy D.

Trail Equipment Company, assignee: *See*—
Gray, Charles W.

Trail Lock Corporation, assignee: *See*—
Lucas, Guy L., Edwards, and Chaffin.

Trail-A-Boat Company, assignee: *See*—
Singleton, William W.

Trailmobile Inc., assignee: *See*—
Black, James J.

Trainer, Edgar W.: *See*—
Tatel, Howard E., and Trainer.

Trainer, Richard P., Amityville, N. Y., and L. E. Border, Westwood, N. J., assignors to Shell Development Company, San Francisco, Calif. Apparatus for removal of carbonaceous deposits from powdered solids. 2,631,927, Mar. 17.

Trainer, Richard P., Amityville, N. Y., assignor to Shell Development Company, Emeryville, Calif. Heating powdered material. 2,647,738, Aug. 4.

Traisman, Edwin, Des Plaines, Ill., and C. R. Price, Garland, Tex., assignors to Kraft Foods Company, Chicago, Ill. Preserving pimento. 2,649,378, Aug. 18.

Tramm, Heinrich, Mulheim-Speldorf, and F. Schaub, Duisburg-Hamborn, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Liquid distributing tray. 2,639,947, May 26.

Trammell, Earl M., Jr.: *See*—
Trammell, Earl M., Sr., and E. M. Trammell, Jr.

Trammell, Earl M., Jr.: *See*—
Trammell, Earl M., Sr., and E. M. Trammell, Jr.

Trammell, Earl M., Sr., and E. M. Trammell, Jr., St. Louis, Mo. Spring counterbalance. 2,635,282, Apr. 21.

Trammell, Earl M., Sr., and E. M. Trammell, Jr., St. Louis, Mo. Counterbalance tape connecting means. 2,640,222, June 2.

Trammell, Earl M., Sr., and E. M. Trammell, Jr., St. Louis, Mo. Window balance-tape retainer. 2,658,234, Nov. 10.

Trammell, Earl M., Sr., and E. M. Trammell, Jr., St. Louis, Mo. Sash cord fastener. 2,663,896, Dec. 29.

Trammell, John M., assignor to Colorado Iron Works Company, Denver, Colo. Spindle bearing assembly. 2,641,518, June 9.

Tramontini, Vernon N.: *See*—
Allen, George W., and Tramontini.

Trane Company, The, assignee: *See*—
Labus, Otto A.
Trane, Reuben N., and Labus.

Trane, Helen, legal guardian: *See*—
Trane, Reuben N., and Labus.

Trane, Reuben N.: *See*—
Trane, Reuben N., and Labus.

Trane, Reuben N., and O. A. Labus (H. Trane, legal guardian of R. N. Trane), assignors to The Trane Company, La Crosse, Wis. Baseboard radiator provided with damper. 2,662,747, Dec. 15.

Transducer Corporation, assignee: *See*—
Browne, Frank A., Jr.

Transeau, Sherman T., Riverside, N. J. Attachment link for sprocket chains. 2,625,830, Jan. 20.

Transeau, Sherman T., Riverside, N. J. Traction wheel drive for bucket elevators. 2,631,459, Mar. 17.

Transeau, Sherman T., Riverside, N. J. Traction wheel drive. 2,631,460, Mar. 17.

Transicold Corporation, assignee: *See*—
Durant, Wilbur G.

Transmission & Gear Company, The, assignee: *See*—
Gerst, Chris.

Transparent Package Company, assignee: *See*—
Dowd, Laurence E.

Transparent Specialties Corporation, assignee: *See*—
Stotter, Alfred B.

Transport Apparatus and Device Company, assignee: *See*—
Fulton, Joel B.

Trans-Sonics, Inc., assignee: *See*—
Mitchell, Louis O.

Trans-Trading Corporation, assignee: *See*—
Holcombe, Ralph L.

Transue, Gerald O., Havertown, Pa. Automatic injector for hypodermic needles. 2,664,086, Dec. 29.

Tranter, Reginald F. W., Wellesley, assignor to Boston Herald-Traveler Corporation, Boston, Mass. Apparatus for applying adhesive to moving sheets. 2,641,219, June 9.

Tranter, Watson W., and H. C. Hollinger, assignors to A. B. Farquhar Company, York, Pa. Side hill wheel support for implements and the like. 2,631,863, Mar. 17.

Trapani, August G., Jr., Covington, assignor of one-half to J. J. Aertker, Jr., Baton Rouge, La. Warning bulb. 2,658,467, Nov. 10.

Trapani, Joseph, Brooklyn, N. Y. Seam binding attachment for sewing machines. 2,651,273, Sept. 8.

Trapeur, Walter A., Sutherlin, Oreg. Line up trough for resawing machines. 2,638,133, May 12.

Trapp, Patrick A., Butte, Mont. Wheel construction. 2,628,132, Feb. 10.

Trask, Allen, Chicago, Ill. Vault conditioner with control means. 2,661,603, Dec. 8.

Trask, Allen, Chicago, Ill. Console air conditioner. 2,661,606, Dec. 8.

Trask, Harold V., and K. M. Haley, Ashland, signors to Oglebay, Norton and Company, Ohio. Apparatus for discharging soli... 2,655,365, Oct. 13.

Tratzik, Frederick: *See*—
Mueller, Lucien W., and Tratzik.

Tratzik, Frederick, assignor to Mueller Co., ... Sealing structure for rotary plug valves. Mar. 17.

Traube, Abraham, Brooklyn, N. Y. Dryi... 2,655,735, Oct. 20.

Traupel, Walter, assignor to Sulzer Fre... Anonyme, Winterthur, Switzerland. Metho... for regulating the output and pressure cond... working medium in gas turbine plants. Oct. 6.

Traupel, Walter, assignor to Sulzer Frères, ... onyme, Winterthur, Switzerland. Pressure ... tem for gas turbine plants. 2,658,336, No...

Traut, William A., Elm Groove, assignor to ... Mfg. Co., Milwaukee, Wis. Multispeed hydr... device. 2,625,796, Jan. 20.

Trautman, Oscar C., Parma, assignor to Th... Engineering Company, Cleveland, Ohio. C... mersion heaters. 2,646,490, July 21.

Trautman, Walter C., Los Angeles, and A. ... North Hollywood, Calif., assignors to Bend... Corporation, South Bend, Ind. Jet engine ... system. 2,626,655, Jan. 27.

Trautmann, Herbert L., assignor of one-ha... Blackmon, Torrance, and one-half to W. E. ... Angeles, Calif. Harpoon. 2,659,273, Nov.

Trautner, Raymond P., Red Wing, Minn. Hoist... Apr. 14.

Trautschold, Reginald, Nutley, N. J., assignor ... Paper Company, New York, N. Y. Apparat... ing and emptying bags. 2,660,324, Nov. 24.

Trautvetter, George, Jenkintown, assignor ... Manufacturing Company, Philadelphia, Pa. 2,661,872, Dec. 8.

Trautwein, Walther, administrator: *See*—
Hora, Josef.

Trauwood Engineering Company, The, assign...
Trautman, Oscar C.

Traver Corporation, assignee: *See*—
Kritchever, Mathew F.

Travilla, James C., University City, Mo., ... General Steel Castings Corporation, Grani... Railway vehicle body and truck centr... 2,655,117, Oct. 13.

Travilla, James C., Jr., Swarthmore, Pa., ... General Steel Castings Corporation, Grani... Drawbar carrier. 2,646,895, July 28.

Travilla, James C., Jr., Swarthmore, and W. ... Philadelphia, Pa., assignors to General Ste... Corporation, Granite City, Ill. Railw... 2,652,001, Sept. 15.

Travis, Alfred, Woodley, near Stockport ... Means for feeding round metal stock such ... rods to straightening or reeling machines. Sept. 22.

Travis, Don C., assignor to Simmons Compan... Wis. Self-tilting bed. 2,658,209, Nov. 10.

Travis, Don C., assignor to Simmons Compan... Wis. Stop mechanism for sectionally adju... 2,658,210, Nov. 10.

Travis, Horace F., assignor to Illinois Tool ... cago, Ill. Power screw driver. 2,664,12...

Travis, Paul H., Leonard, Mich. Combined ... opener for closures. 2,639,458, May 26.

Travis, Paul N., and G. A. Garske, Spokane, W... supported propelling device. 2,639,676, Ma...

Travis, William, Southport, assignor to Conno... ley) Limited, Manchester, England. Natu... sulated electric conductor. 2,644,029, June ...

Traxler, Ralph N.: *See*—
Romberg, Joseph W., and Traxler.

Traylor Engineering & Manufacturing Compan... *See*—
Mertz, Fred A.

Trbojevich, Nikola, Detroit, Mich. Caliper us... tial series of gauge blocks. 2,645,023, July ...

Trbojevich, Nikola, Detroit, Mich. Angle me... and micrometer. 2,645,026, July 14.

Treadwell, M. H., Company, Inc., assignee: *Se*...
Olson, Johan H.

Treanor, Edward D., Pittsfield, Mass., assignor ... Electric Company. Air-cooled transformer. Oct. 6.

Treat, Leslie E., Wilmette, Ill. Peeling veg... the like. 2,626,646, Jan. 27.

Treaty Excavating Corporation, assignee: *See*...
Shields, Gene B.

Tredup, Fred W., assignor to A. L. Randal... Chicago, Ill. Plant and flower holder. May 26.

Tredway, Alfred B., Conway, Ark. Necktie ... 2,657,390, Nov. 3.

Treer, Ross B., Lakewood, assignor to The ... Swasey Company, Cleveland, Ohio. Spindl... for machine tools. 2,656,754, Oct. 27.

Trees, Leonard E., Ceylon, Minn. Trac... 2,636,744, Apr. 28.

Treesdale Laboratories and Textile Processing Company, Inc., assignee: *See*—
McCarthy, James F.

Treff, Alfred, assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Holder for conically shaped cups. 2,661,610, Dec. 8.

Trefil, James, Berwyn, assignor to Crane Co., Chicago, Ill. Stem and closure member connection. 2,654,561, Oct. 6.

Trefzer, Paul: *See*—
Hemmi, Hans M., and Trefzer.

Treg, Inc., assignee: *See*—
Gossner, Louis E. E.

Tregoning, William C., Sr., Shaker Heights, assignor, by mesne assignments, to Radiart Corporation, Cleveland, Ohio. Switching means. 2,647,180, July 28.

Treiber, Kenneth L., Alexandria, Va. Apparatus for laying hose lines from moving vehicles. 2,625,404, Jan. 13.

Treiber, Kenneth L., Alexandria, Va. Flexible container. 2,633,172, Mar. 31.

Treiss, Herman G., Jr., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighter. 2,661,617, Dec. 8.

Trelease, Charles C., trustee, assignee: *See*—
Alexander, Philip.

Tremblay, Albert F., assignor to Kent-Owens Machine Company, Toledo, Ohio. Barrel dent-removing machine. 2,625,195, Jan. 13.

Tremblay, Bernard G., Pittsburgh, and W. H. Stuellein, East McKessport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,654,009, Sept. 29.

Trembley, Fernand, Bellerive, Geneva, assignor to Societe de Recherches Techniques et d'Exploitations Industrielles, Geneva, Switzerland. Silencer for internal-combustion engines. 2,658,580, Nov. 10.

Trembly, Gray C., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Sweep generator. 2,627,025, Jan. 27.

Trendlcator Systems Co., assignee: *See*—
Johnson, Claude W.

Trenholm, John B., Jr.: *See*—
Young, Don W., and Trenholm.

Trent, Harley H., Los Angeles, Calif. Garment hanger. 2,630,253, Mar. 3.

Trent, Robert L., Far Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor trigger circuits. 2,629,833, Feb. 24.

Trent, Robert L., Far Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gate and trigger circuits employing transistors. 2,629,834, Feb. 24.

Trepagnier, Joseph H., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Metallized disazo dyes. 2,630,431, Mar. 3.

Trépaud, Georges, assignor to The Society Refroidisseur Trepaud S. A. R. L., Paris, France. Tubular ice-machine. 2,663,162, Dec. 22.

Tresco, Inc., assignee: *See*—
Touborg, Jens.

Treseder, Robert C.: *See*—
Brandes, Roy H., and Treseder.

Treseder, Richard S., Oakland, assignor to Shell Development Company, Emeryville, Calif. Cleaning and inhibiting corrosion of metal tanks of ships. 2,653,882, Sept. 29.

Trester, Alvin H.: *See*—
Harrell, Warren B., and Trester.

Tretheway, William J., Great Falls, Mont. Portable folding oven table. 2,634,182, Apr. 7.

Treuting, Robert G., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Silicon-germanium objective lens. 2,659,271, Nov. 17.

Trevaskis, Henry, Solihull, assignor to Dunlop Rubber Company Limited, London, England. Fluid pressure valve. 2,633,152, Mar. 31.

Trevaskis, Henry, Solihull, Birmingham, assignor to Dunlop Rubber Company Limited, London County, England. Firing mechanism for automatic guns. 2,642,779, June 23.

Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London, England. Hydraulically actuated windscreen wiper mechanism. 2,633,000, Mar. 31.

Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London County, England. Fluid pressure valve. 2,647,535, Aug. 4.

Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London County, England. Automatic braking apparatus for aircraft. 2,656,017, Oct. 20.

Trevitt, John H., assignor to Dictaphone Corporation, Bridgeport, Conn. Constant speed motor drive system. 2,659,852, Nov. 17.

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Pulse multiplex communication system. 2,664,509, Dec. 29.

Trevor, Bertram A.: *See*—
Peterson, Harold O., and Trevor.

Trevor, Bertram A., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic frequency control. 2,644,035, June 30.

Trexel, Carl A., assignor to Ben C. Gerwick, Inc., San Francisco, Calif. Apparatus and method for the placement of caissons. 2,658,353, Nov. 10.

Trexler, Richard R.: *See*—
Moore, James B., and Trexler.

Tribalat, Suzanne M. F. and M. M. Bertolus, Paris, France, assignors to S. I. F. E. M., San Lucar, Tangier. Extraction of rhenium and analogous elements. 2,634,280, Apr. 7.

Tribbitt, Frank, Chicago, Ill. Dispensing valve for dispensing measured quantities. 2,658,648, Nov. 10.

Tribelhorn, Emile, Marly-le-Roi, France. Laminated ski. 2,634,136, Apr. 7.

Trickett, Lawrence G., Jr., Kansas City, Kans., and C. O. Deem, Kansas City, assignors to Crook Paper Box Company, North Kansas City, Mo. Collapsible box having interlocking end walls. 2,660,363, Nov. 24.

Tri-Clover Machine Co., assignee: *See*—
Hinrichs, Ferdinand.
Kessler, Joseph S.

Trico Products Corporation, assignee: *See*—
Deibel, Raymond.
Enochian, Samuel H.
Horton, Erwin C.
Oishei, John R.
Rappl, Anton.
Scinta, Anthony C., and Rappl.

Triebbnigg, Heinrich, and O. David, assignors to H. Oestrich, Decize, France. Method and apparatus for internally cooling gas turbine blades with air, fuel, and water. 2,647,368, Aug. 4.

Triebes, Helen E.: *See*—
Triebes, Herman A., and H. E.

Triebes, Herman A., and H. E., Forest Park, Ill. Sun guard for the eyes. 2,642,569, June 23.

Trief, Victor, Deux-Acren Lez Lessines, Belgium. Producing iron cement in powder form. 2,632,711, Mar. 24.

Trier, Robert H.: *See*—
Chapman, Rogher, and Trier.

Triestram, Herman L., Kalamazoo, Mich. Lifting tong. 2,628,120, Feb. 10.

Trig Corporation, assignee: *See*—
Graham, Philip J.

Trigg, Warren M., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Molding of resin treated coils. 2,632,211, Mar. 24.

Trigwell, William G., Capitola, assignor to Chapman Dehydrator Co., Inc., Modesto, Calif. Tray stacking machine. 2,661,102, Dec. 1.

Tri-Homo Corporation, The, assignee: *See*—
Sullivan, Frank A.

Triller, Benjamin J., assignor to Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Freely translatable sliding door. 2,659,111, Nov. 17.

Trilli, Paul C.: *See*—
Llero, Larry C., Arcury, and Trilli.

Trimble, Cebern B., Dayton, Ohio. Receiving apparatus for controlling garage doors and lights. 2,655,606, Oct. 13.

Trimble, Charles H.: *See*—
Lubbert, Carl B., and Trimble.

Trimble, Edward C., and W. C. Baxter, assignors to Trimble, Inc., Rochester, N. Y. Dressing table for infants' bath stands. 2,645,540, July 14.

Trimble, Harold M., L. A. McReynolds, and B. Mitacek, Bartlesville, Okla., assignors to Phillips Petroleum Company. Monoisopropyl amine as an octane improver of leaded gasoline. 2,653,862, Sept. 29.

Trimble, Howard B., Sr., and C. D. Berry, Nashville, Tenn. Bar type bottle opener with closure receptacle. 2,649,004, Aug. 18.

Trimble, Stanley E., assignee: *See*—
Kurry, John L.

Trimble, Henry W., executor: *See*—
White, Clarence B.

Trimble, Inc., assignee: *See*—
Baxter, William C.
Trimble, Edward C., and Baxter.

Triolo, Louis, Brooklyn, N. Y. Machine for creasing box blanks. 2,627,629, Feb. 10.

Triolo, Louis, Brooklyn, N. Y. Combination lining and edge finishing machine. 2,644,375, July 7.

Triolo, Louis, Brooklyn, N. Y. Container-making machine. 2,664,036, Dec. 29.

Trion, Inc., assignee: *See*—
Landgraf, George F.

Triplett Electrical Instrument Co., The, assignee: *See*—
Klay, George H.
Triplett, Ray L.

Triplett, Herman R., assignee: *See*—
Lucy, Otto H.

Triplett, Ray L., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Electrical measuring instrument with range and multiplying factor indicator. 2,651,755, Sept. 8.

Tripp, Dwight E., assignor to Tackett & Tripp, Inc., Tyler, Tex. Hydraulic transmission. 2,629,332, Feb. 24.

Tripp, James E., Chicago, Ill. Flame and radiation resistant container. 2,655,882, Oct. 20.

Tripp, John G., and L. H. Brakel, Rifle, Colo., and G. D. Gould, El Cerrito, Calif., said Tripp and said Brakel assignors of two-third to the United States of America as represented by the Secretary of the Interior, and said Gould assignor to California Research Corporation, San Francisco, Calif. Apparatus for the retorting of oil shale and similar materials. 2,658,061, Nov. 3.

Tripp, Lester A., assignor of one-half to J. Gordon, Elmhurst, Ill. Ice stacker. 2,649,974, Aug. 25.

Trischka, John W., New York, and H. S. Sack, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Integrating circuit. 2,638,493, May 12.

Trishman, Lawrence E., Beaver, assignor to The National Supply Company, Pittsburgh, Pa. Apparatus for cold rolling female threads. 2,625,065, Jan. 13.

Tri-State Engineering Company, assignee: *See*—
Arthur, Oscar F.

Tri-State Oil Tool Company, Inc., assignee: *See*—
Stewart, Leonard E., and Winters.

Tri-State Plastic Molding Co., assignee: *See*—
Yates, Cyril J.

Triteline, Charles F., Downers Grove, and B. L. Wright, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrically operated safety interlock for broaching machines. 2,626,542, Jan. 27.

Tritt, Harold J., assignor of fifty per cent to M. A. Tritt, Cheyenne, Wyo. Exhaust feed supply for engines. 2,652,040, Sept. 15.

Tritt, Marian A., assignee: *See*—
Tritt, Harold J.

Tritt, Samuel, Bronx, N. Y. Towel lock rack. 2,647,641, Aug. 4.

Triumph Dishwashers Limited, assignee: *See*—
Hummel, Frederick S.

Triumph Manufacturing Company, assignee: *See*—
Leuze, William H.

Troche, Herman J., Fairview Village, and J. H. Holan, Rocky River assignors to J. H. Holan Corporation, Cleveland, Ohio. Cable guide. 2,630,299, Mar. 3.

Troche, Herman J., Cleveland Heights, and J. H. Holan, Rocky River, assignors to J. H. Holan Corporation, Cleveland, Ohio. Locking-bolt operating structure. 2,637,585, May 5.

Trocki, Bernard J., Erie, Pa. Adjustable cutting tool. 2,630,726, Mar. 10.

Troeger, Henry, Ramsey, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starter jaw advancing mechanism. 2,640,360, June 2.

Troeger, Henry, Ramsey, and B. W. Goldberg, Passaic, assignors to Bendix Aviation Corporation, Teterboro, N. J. Flexible shaft. 2,647,380, Aug. 4.

Troendle, Jean, Geneva, Switzerland. Shutoff valve. 2,637,338, May 5.

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Convertible folding baby carriage. 2,643,893, June 30.

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Baby carriage convertible to a bassinet. 2,646,286, July 21.

Trofimov, Lev A., Willoughby, Ohio. Electric regulator. 2,628,341, Feb. 10.

Trofimov, Lev A., Willoughby, Ohio. Strip material winding apparatus. 2,639,868, May 26.

Trofimov, Lev A., Willoughby, Ohio. Hydrodynamic gear transmission. 2,640,375, June 2.

Trofimov, Lev A., Willoughby, Ohio. Differential gearing power transmission. 2,647,417, Aug. 4.

Trofimov, Lev A., Willoughby, Ohio. Power winding of strip material. 2,648,502, Aug. 11.

Trofimov, Lev A., Willoughby, Ohio. Electric torque-converter transmission. 2,654,849, Oct. 6.

Trogdon, Olin, Hudson, Ohio. Christmas tree base. 2,630,287, Mar. 3.

Trojan Powder Company, assignee: *See*—
Rinkenbach, William H.
Russell, Edward J.

Troll, William A., Brooklyn, assignor to Emsig Manufacturing Company, New York, N. Y. Feeding and orienting sewing hole buttons and machine therefor. 2,661,709, Dec. 8.

Trombley, Henry B., assignor to The Michigan Pipe Co., Bay City, Mich. Seam welding machine for pipes. 2,634,354, Apr. 7.

Tromel, Frederic C., Schenectady, assignor to American Locomotive Company, New York, N. Y. Exhaust manifold for internal-combustion engines. 2,660,031, Nov. 24.

Tronics, Inc., assignee: *See*—
Geiger, Willard L., and Wescott.

Tronnier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Four-component Gauss-type photographic objective of high light-transmitting capacity. 2,627,204, Feb. 3.

Tronnier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Corrected four-unit photographic objective comprising two half systems enclosing the diaphragm. 2,627,205, Feb. 3.

Tronnier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Five-lens photographic objective. 2,645,154, July 14.

Tronnier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Photographic objective of high light-transmitting capacity of the Gauss type. 2,645,155, July 14.

Tronnier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Five-lens photographic objective c
three members separated by airspaces. 2,645,
14.

Tronnier, Albrecht W., Gottingen, Germany, a
Voigtlander & Sohn Aktiengesellschaft, Brau
Germany. Gauss type photographic objecti
two lens systems on opposite sides of a d
2,646,721, July 28.

Tronnier, Albrecht W., Gottingen, assignor to V
& Sohn Aktiengesellschaft, Braunschweig,
Modifier Gauss-type four-component photograp
tive. 2,649,023, Aug. 18.

Tronnier, Albrecht W., Gottingen, assignor
lander A. G., Brunschweig, Germany. Pho
teleobjective having a composite positive f
axially spaced from a composite negative
2,662,446, Dec. 15.

Tronnier, Albrecht W., Gottingen, assignor
lander, A. G., Brunschweig, Germany.
Gauss-type high-speed photographic object
anastigmatic flattened field. 2,662,447, Dec

Tronquit, Pierre E., Suresnes, assignor to Societe
de Materiel Agricole et Industriel (Societe
Vierzon, France. Hydraulic control for depth
plement drawn by a tractor. 2,649,687, Aug.

Trope, Davida R., and F. C. Mock, Beverly
D. M. Levinson, Los Angeles, Calif. Ga
2,654,890, Oct. 13.

Tropic-Aire, Inc., assignee: *See*—
Allgeyer, Guy H.

Troponwerke Dinklage & Co., assignee: *See*—
Schöpf, Clemens, and Kunz.

Trosch, Alfred, Brighton, and R. R. Roberts, Ir
assignors to Consolidated Machine Tool Co
Rochester, N. Y. Car wheel borer. 2,657,06

Troth, Harry G., and F. G. Dammann, Phoe
Stock chute and endgate. 2,626,182, Jan. 20,

Trott, Samuel A.: *See*—
Cox, Thomas O., Rankin, and Trott.

Trotter, Leslie G., San Francisco, Calif. Anus
apparatus. 2,632,179, Mar. 24.

Trotter, Percy W.: *See*—
Dunn, James H., Neher, and Trotter.

Trousdale, Robert B., Rochester, N. Y., assignor
berg-Carlson Company. Electronic switchin
2,647,206, July 28.

Trout, George L., Painesville, Ohio, assignor to
house Air Brake Company. Apparatus for t
of electric switch locks in centralized traff
systems for railroads. 2,662,972, Dec. 15.

Troutman, Clarence A., High Point, N. C.
cabinet. 2,643,083, June 23.

Trowbridge, David R., Emerson Park, Hornch
L. Glover, Upminster, assignors to The Ples
pany Limited, Ilford, England. Overspee
means for rotary motion. 2,651,388, Sept. 8

Troxel Manufacturing Company, The, assignee:
Kalter, Harold E.

Troxel, Nellie, administratrix: *See*—
McLean, Harry C.

Troxel, Nellie I., assignee: *See*—
McLean, Harry C.

Troxell, Harry L., Jr.: *See*—
Rutherford, Charles F., Tease, and Troxell.

Troxell, Jeanette M.: *See*—
Briggs, Janet.

Troy Engine and Machine Company, assignee: S
Nicholls, Malcolm B.

Troy, Leonard, Clarks Summit, Pa. Thermosta
valve. 2,651,467, Sept. 8.

Troy, Leonard, Clarks Summit, Pa. Apparatus
lating the passage of fuel in carburetor
2,659,352, Nov. 17.

Troy, Raymond A., Palisades Park, assignor to S
Development Corporation, Belleville, N.
assembly. 2,661,765, Dec. 8.

Troy Sunshade Company, The, assignee: *See*—
Witty, James C.

Troyahn, William J.: *See*—
Hatt, Harold H., Strasser, and Troyahn.

Troyer, Marc D, assignor to Berger Engineering
Seattle, Wash. Fairleader. 2,650,066, Aug. 2

Troyer, Marc D., assignor to Berger Engineering
Seattle, Wash. Logging crane. 2,656,059, O

Troyer, Ora E., Hampton, Va. Pressure-boost
ratus for vehicle hydraulic brake systems.
Dec. 15.

Truax, George G., Renton, Pa. Safety battery
switch. 2,639,341, May 19.

Truax, Robert C., United States Navy. Rock
cooling system. 2,625,007, Jan. 13.

Trubenizing Process Corporation, assignee: *See*
Liebowitz, Benjamin.

Truchon, Joseph A., Sr., Stratford, Conn.
guide. 2,629,585, Feb. 24.

Truckenbrodt, John F., Kent, Wash. Fuel regi
vice for use on motor vehicles. 2,641,129, Ju

Truck Service, Inc., assignee: *See*—
Mettetal, Donald, Jr.

Trucktor Corporation, The, assignee: *See*—
Farris, Clayton.
Keller, George.

Trudeau, Oscar H.: *See*—
Cannon, Harry B., and Trudeau.

True, Charles H., Chicago, Ill., assignor to Combustion Engineering, Inc. Method and apparatus for brazing aluminum fins to steel tubes. 2,650,420, Sept. 1.

True, Martin E., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Side wall sampling device. 2,626,777, Jan. 27.

True Tronics, Inc., assignee: *See*—
Iljivjak, John.

Truesdale, Fredrick J., Steubenville, Ohio, assignor to National Steel Corporation. Jib crane. 2,630,926, Mar. 10.

Truesdell, John G., assignor of one-half to R. H. La Grange, Colorado Springs, Colo. Tool for applying wire hose clamps and making other wire connections. 2,653,498, Sept. 29.

Truffaut, Georges, assignee: *See*—
Hampe, Pierre.

Truitt, James K.: *See*—
Arnold, George B., Truitt, and Hess.

Truitt, Joseph A., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Strand-former balloon control. 2,635,413, Apr. 21.

Truisson, Sven I.: *See*—
Nilsson, Hans R., and Truisson.

Trumbo, Benjamin F., Uniontown, Ky. Gate and reinforcement therefor. 2,650,443, Sept. 1.

Trump, Frederick O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Storage tank and conveying means for liquid material. 2,655,292, Oct. 13.

Trumpler, William E., Olean, N. Y., assignor, by mesne assignments, to Dresser Operations, Inc., Whittier, Calif. Centrifugal machine. 2,633,291, Mar. 31.

Trunnell, John L., Cottage Grove, Oreg. Tire spreader. 2,631,817, Mar. 17.

Truran, George H., La Porte, Ind., assignor to Modine Manufacturing Company, Racine, Wis. Apparatus for removing excess fluxing liquid from radiator cores. 2,626,417, Jan. 27

Truscon Steel Company of Canada, Limited, assignee: *See*—
Adams, Stafford M. S.

Trussell, Clarence D., Turnwood, N. Y. Manufacture of mechanical bindings. 2,645,816, July 21.

Truxell, Clyde W., Jr.: *See*—
Purchas, William J., Jr., and Truxell.

Trylińska, Beata: *See*—
Tryliński, Wladyslaw, Sr. and W. Tryliński, Jr., and Trylińska.

Tryliński, Wladyslaw, Jr.: *See*—
Tryliński, Wladyslaw, Sr. and W. Tryliński, Jr., and Trylińska.

Tryliński, Wladyslaw, Sr., Milańowek, W. Tryliński, Jr., and B. Trylińska, Warsaw, Poland. Improvement in railway tracks. 2,658,688, Nov. 10.

Tryon, Henry C., assignor to D. Napier & Son Limited, London, England. Bearing. 2,639,955, May 26.

Trznadel, Amelia, Holyoke, Mass. Body supporting garment. 2,659,084, Nov. 17.

Tsang, Chi M., assignor to Ford Motor Company, Dearborn, Mich. Spring seat structure. 2,633,903, Apr. 7.

Tschabold, Gottfried L., and D. L. Mueller, Minerva, Ohio. Adhesive from whey and a method of making it. 2,624,679, Jan. 6.

Tschesche, Rudolf, Hamburg-Blankenese, assignor to Nordmark-Werke G. m. b. H., Uetersen/Holstein, Germany. 7-hydroxypteridines. 2,632,760, Mar. 24.

Tschinkel, Johann G., Fort Bliss, Tex., assignor to the United States of America as represented by the Secretary of the Army. Apparatus for heating hydrogen peroxide. 2,627,454, Feb. 3.

Tschinkel, Johann G., Fort Bliss, Tex., assignor to the United States of America as represented by the Secretary of the Army. Ignition for rockets and the like. 2,637,161, May 5.

Tschop, Harry E., J. E. Carter, and C. B. Goodrich, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Reduction of oxides. 2,663,631, Dec. 22.

Tschudi, Erwin W., Baldwin, assignor to Aeroflex Laboratories, Inc., Long Island City, N. Y. Shock testing machine. 2,656,711, Oct. 27.

Tschudnowsky, Jean R., assignor to Compagnie Generale du Duralumin et du Cuivre, Paris, France. Device for drawing metal bars. 2,663,411, Dec. 22.

Tschudy, Donald B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,649,925, Aug. 25.

Tschudy, Donald B., Canton, assignor to The Hoover Company, North Canton, Ohio. Multistage fan for suction cleaners. 2,658,665, Nov. 10.

Tsouderos, Jean E. P., Saint-Maur-des-Fosses, France Atomizer stopper for phials. 2,645,526, July 14.

Tsubota, Min, assignee: *See*—
Seko, Kaichi.

Tsuchiya, Henry M.: *See*—
Koepsell, Harold J., Tsuchiya, and Hellman.

Tubbs, Clarence G., Pendleton, Oreg. Self-sharpening rotary plow. 2,649,723, Aug. 25.

Tubbs, Irl I., assignor to M. L. Tubbs, trustee, Mount Vernon, Iowa. Vehicle tire. 2,634,785, Apr. 14.

Tubbs, Joe W., Tacoma, Wash. Adjustable templet for mortising doors and door jambs. 2,629,937, Mar. 3.

Tubbs, Lester G.: *See*—
Cuttino, William H., and Tubbs.

Tubbs, Lester G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single-phase induction regulator. 2,637,016, Apr. 28.

Tubbs, Margaret L., trustee, assignee: *See*—
Tubbs, Irl I.

Tubcor International, assignee: *See*—
Caminati, Carlo.

Tubing Seal-Cap, Inc., assignee: *See*—
Meyers, Charles J.

Tuboscope Company, assignee: *See*—
Lloyd, Donald.

Tubular Rivet and Stud Company, assignee: *See*—
Doyle, Thomas J.

Tucceri, Anthony, Northampton, Mass. Simulated platform shoe. 2,629,942, Mar. 3.

Tucci, Anthony G., Cleveland, Ohio. Water faucet. 2,646,246, July 21.

Tuccori, Charles D., Chicago, Ill. Can opener with resilient can bead gripping member. 2,632,946, Mar. 31.

Tuck, James A., New York, N. Y., assignor to C. Lahr, Philadelphia, Pa. Moisture meter. 2,654,864, Oct. 6.

Tuck, Ralph, Oakland, Calif. Overloading stabilizer. 2,631,873, Mar. 17.

Tucker, Allen M., Tulsa, Okla. Knockdown display structure. 2,641,431, June 9.

Tucker, Artie S., Independence, Mo. Powered rotary rake. 2,642,710, June 23.

Tucker, Benjamin W., Jr., South Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Interlocking mechanism for elevator doors. 2,663,383, Dec. 22.

Tucker, Emmitt M., Medford, Oreg., assignor to Tucker & Sons, Grass Valley, Calif. Cable drive for airplanes. 2,649,920, Aug. 25.

Tucker, Frank P., assignor, by mesne assignments, to Brogdex Company, Pomona, Calif. Filling and holding device for containers. 2,637,477, May 5.

Tucker, George G., Jr., Berwyn, assignor to Hubbard Spool Company, Chicago, Ill. Spool. 2,635,830, Apr. 21.

Tucker, George G., Jr., Berwyn, assignor to Hubbard Spool Company, Chicago, Ill. Reel traverse. 2,652,992, Sept. 22.

Tucker, Harold, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing vinyl chloride-styrene copolymers. 2,628,957, Feb. 17.

Tucker, Herbert E., Chicago, Ill., assignor to Cardwell Westinghouse Company. Draft gear. 2,655,270, Oct. 13.

Tucker, Irving, Merrick, N. Y. Garment for retaining infants against displacement from a support. 2,657,688, Nov. 3.

Tucker, Jesse D., assignor of one-fourth to B. W. Fuller, Lodi, one-fourth to M. E. Milholland, and one-fourth to J. D. Tucker, Jr., Sacramento, Calif. Fuel injector. 2,645,182, July 14.

Tucker, Jesse D., Jr., assignee: *See*—
Tucker, Jesse D.

Tucker, Jesse G., Jr.: *See*—
Ezell, James B., and Tucker.

Tucker, John B.: *See*—
Schumacher, Frank A., and Tucker.

Tucker, John B., Marblehead, Mass., assignor to General Electric Company. Refrigerator air circulation control. 2,625,017, Jan. 13.

Tucker, John B., Marblehead, Mass., assignor to General Electric Company. Ratchet operating mechanism. 2,662,193, Dec. 22.

Tucker, Julia A., assignee: *See*—
Tucker, William C.

Tucker, Samuel J., Memphis, Tenn. Apparatus for feeding lengths of drill pipe in succession to the drill pipe elevator of drill rigs. 2,656,052, Oct. 20.

Tucker, Samuel J., Mount Carmel, Ill. Apparatus for handling drill pipes. 2,631,741, Mar. 17.

Tucker & Sons, assignee: *See*—
Tucker, Emmitt M.

Tucker, Warren R., and G. R. Pittman, assignors to H-P-M Development Corporation, Mount Gilead, Ohio. Control operator for hydraulic pumps. 2,648,312, Aug. 11.

Tucker, William C., assignor of one-third to J. A. Tucker, and one-third to S. M. Austin, High Point, N. C. Stop motion for wrap stripe machines. 2,632,321, Mar. 24.

Tufford, Walter W., assignee: *See*—
Eull, Fred F.

Tufts, William F., Atlanta, Ga. Novel ornamental accessory for vehicles. 2,637,928, May 12.

Tufts, William F., Atlanta, assignor to L. M. Leathers Sons, Athens, Ga. Slip resistant pants guard for coat hangers. 2,653,740, Sept. 29.

Tugen, Robert G.: *See*—
Milner, Arthur E. P., and Tugen.

Tuk-Bak Trays, Incorporated, assignee: *See*—
Hellawell, Thomas L.

Tulagin, Vsevolod, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Hydroxy-benzimidazoles and their preparation. 2,663,712, Dec. 22.

Tulauskas, Leonard: *See*—
Puerner, George O., Aust, and Tulauskas.

Tull, William J.: *See*—
Luhrs, Charles H., and Tull.

Tull, William J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Navigation system. 2,633,567, Mar. 31.

Tullar, Benjamin F., East Greenbush, and R. F. Feldkamp, Troy, assignors to Sterling Drug Inc., New York, N. Y. Preparation of thiophene and alkylated thiophenes. 2,658,903, Nov. 10.

Tuller, Walter M., Washington, D. C. Travel case. 2,638,192, May 12.

Tullis, Lyell C.: *See*—
Baker, John G., Tullis, and Watry.

Tullock, Charles W.: *See*—
MacDonald, Robert N., and Tullock.
Raasch, Maynard S., and Tullock.

Tulumello, Pasqual C., Los Angeles, and D. Franceschi, Alhambra, Calif. Valve selector and actuator for fluid flow manifolds. 2,639,729, May 26.

Tumpak, John: *See*—
Wagner, Adolph A., Werner, and Tumpak.

Tumulo, Gerald, Bryn Mawr, assignor to Radio Receptor Company, Inc., Brooklyn, N. Y. Rectifier. 2,637,771, May 5.

Tung-Sol Electric Inc., assignee: *See*—
Braunsdorff, Reginald K.
Curtis, Lorin W.
Sitzer, Philip.

Tung-Sol Lamp Works, Inc., assignee: *See*—
Legendre, Victor J., and Volk.

Tunis, Steve S., Cleveland, Ohio. Display rack. 2,631,802, Mar. 17.

Tunley, Allan A., assignor to Baker Perkins Limited, Peterborough, England. Adjustment means for the rolls of multiroll chocolate and like refining machines. 2,638,388, May 12.

Tunstead, Charles W.: *See*—
Brink, Raymond J., and Tunstead.

Tupper, Earl S., Upton, Mass. Atomizer case. 2,625,432, Jan. 13.

Tupper, Earl S., Upton, Mass. Atomizing dispenser. 2,631,064, Mar. 10.

Tupper, Gordon W., and O. N. Mertz, Rochester, Minn. Ladder construction. 2,629,532, Feb. 24.

Turbolectric Corporation, assignee: *See*—
Pavlecka, Vladimir H., and Dallenbach.

Turchan, Manuel, Dearborn, Mich. Vertical boring mill attachment. 2,652,731, Sept. 22.

Turechek, George F., Los Angeles, and W. H. Lindsay, Jr., Lawndale, assignors to Lane-Wells Company, Los Angeles, Calif. Well casing perforator. 2,662,474, Dec. 15.

Turck, Joseph A. V., Miami Beach, Fla., assignor to Felt and Tarrant Manufacturing Company. Key-driven calculating machine. 2,628,026, Feb. 10.

Turck, Joseph A. V., Miami Beach, Fla., assignor to Felt and Tarrant Manufacturing Company. Key-driven calculating machine. 2,646,219, July 21.

Turck, Karl H. W.: *See*—
Aller, Basil V., Hall, Quin, and Turck.
Armstrong, Godfrey P., Hall, Quin, and Turck.
Bellringer, Frederick J., Bewley, Snell, and Turck.

Turco Products, Inc., assignee: *See*—
Brown, Keith E., Clark, and Jackson.

Turek, Emil, Milligan, Nebr. Discharge guide for corn elevators. 2,634,004, Apr. 7.

Turek, Thomas J.: *See*—
Fitch, Ellery R., and Turek.

Turek, Thomas J., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Air pressure operated windshield wiper. 2,626,416, Jan. 27.

Turek, Thomas J., Berkeley, Calif., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Tire inflation control system. 2,634,781, Apr. 14.

Turek, Thomas J., Berkeley, Calif., and R. V. Firth, Sr., assignors to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Tire inflation control system. 2,634,782, Apr. 14.

Turek, Thomas J., Berkeley, Calif., and R. V. Firth, Sr., assignors to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Tire inflation control system. 2,634,783, Apr. 14.

Turk, Stanley D.: *See*—
Mahan, John E., and Turk.

Turkington, Robert D., Lower Windsor, assignor to Armstrong Cork Company, Lancaster, Pa. Thermocouple. 2,649,489, Aug. 18.

Turkish, Michael C., Centerline, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Magnetic clutch. 2,654,454, Oct. 6.

Turnberg, Clarence F., assignor of one-half to H. G. Belasco, San Francisco, Calif. Nasal adapter for oxygen inhalation. 2,663,297, Dec. 22.

Turnbull, F. M., assignee: *See*—
Brown, Frank E.

Turnbull, Frederick M., assignee: *See*—
Brown, Frank E.
Brown, Frank E., and Turnbull.
Hamilton, William F.

Turnbull, James C., assignor to Scaife Company, Oakmont, Pa. Fabricating welded girth joints. 2,659,966, Nov. 24.

Turnbull, Norris: *See*—
Bristol, John E., Harrington, and Turnbull.
Bristol, John E., and Turnbull.

Turnbull, Robert H., Calcutta, India. Treatment of sticklac to obtain therefrom seedlac. 2,632,003, Mar. 17.

Turnbull, Roger F., assignor to American Manufacturing Company, Inc., Tacoma, Wash. Portable track-guided tilt router. 2,630,151, Mar. 3.

Turnbull, Roger F., assignor to American Manufacturing Company, Inc., Tacoma, Wash. Rocking type portable router. 2,630,152, Mar. 3.

Turner, Alonzo R., Cottage Grove, Wis. Cover lift hinge. Re. 23,678, June 30.

Turner, Archibald J., and J. G. Havey, assignors to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Helmet. 2,634,415, Apr. 14.

Turner, Archibald P., and H. G. Blumberg, San Antonio, Tex. Flexible drive transmission for motor vehicles. 2,647,416, Aug. 4.

Turner, Arthur F., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Light reflector which transmits infrared rays. 2,660,925, Dec. 1.

Turner, Cecil R., assignor to M. J. Bishko, Cleveland, Ohio. Refrigerated table for microtomes. 2,629,230, Feb. 24.

Turner, Charles R.: *See*—
Stevenson, Robert O., and Turner.

Turner, Charles R., Springfield Township, Montgomery County, assignor to Proctor Electric Company, Philadelphia, Pa. Cooker control apparatus. 2,656,450, Oct. 20.

Turner, Charles R. and P. G. Enfield, Springfield Township, Montgomery County, assignors to Proctor Electric Company, Philadelphia, Pa. Cooking apparatus. 2,641,680, June 9.

Turner, Chester W.: *See*—
Colburn, George C., and Turner.

Turner, Clarence P.: *See*—
Peebles, David D., and Turner.

Turner, Cora, executrix: *See*—
Gluckin, Harry.

Turner, Cyril R., Lafayette, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Production of fuel oils and naphthenic acid soaps. 2,656,380, Oct. 20.

Turner, Daniel L.: *See*—
Johnson, William S., and Turner.

Turner, Donald B., Petaluma, assignor to Western Condensing Company, San Francisco, Calif. Sediment testing apparatus. 2,658,387, Nov. 10.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ventilating device. 2,626,742, Jan. 27.

Turner, Edgar P., Fanwood, and C. J. Stockburger, North Plainfield, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner with motor and handle mounted on trunnions. 2,633,597, Apr. 7.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dust agitator supporting means for ambulatory vacuum cleaners. 2,649,609, Aug. 25.

Turner, Edgar P., Fanwood, and C. J. Stockburger, North Plainfield, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner with motor and handle pivoted on casing. 2,633,596, Apr. 7.

Turner, Edgar P., Fanwood, and N. H. Sailer, Union, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Disposable dust bag for vacuum cleaners. 2,637,409, May 5.

Turner, Edwin E., Oxford, Miss. Control for model airplanes. 2,659,999, Nov. 24.

Turner, Edwin E., Jr., West Roxbury, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Coded impulse responsive secret signaling system. 2,648,060, Aug. 4.

Turner, Frank B., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric coil winding machine. 2,653,771, Sept. 29.

Turner, Frank C.: *See*—
Sparks, Charles H., and Turner.

Turner, Frank T., Hampton Bays, assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile keying circuit. 2,639,321, May 19.

Turner, George K., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Microcoulometer. 2,638,491, May 12.

Turner, George L.: *See*—
Elliott, Morris R., and Turner.
Hawkins, Frederick E., Lapsley, and Turner.
Lapsley, Robert, and Turner.

Turner, George L., assignor to Clark Equipment Company, Buchanan, Mich. Hand lift truck. 2,635,711, Apr. 21.

Turner, George L., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,640,611, June 2.

Turner, George L., assignor to Clark Equipment Company, Buchanan, Mich. 2,645,306, July 14.

Turner, George L., and R. Lapsley, assignors to Clark Equipment Company, Buchanan, Mich. Fork construction for industrial trucks. 2,643,784, June 30.

Turner, George L., and R. Lapsley, assignors to Clark Equipment Company, Buchanan, Mich. Combination steering, clutch, and throttle control. 2,645,296, July 14.

Turner, Guy M., Greensboro, N. C. Tandem suspension for tractors and trailers. 2,637,569, May 5.
Turner, James H., Normal, Ill., assignor to Yawman and Erbe Manufacturing Company, Rochester, N. Y. Combined desk and wastebasket. 2,636,798, Apr. 28.
Turner, James R., Concord, assignor to Shell Development Company, San Francisco, Calif. Device for distributing mixtures of vapors and liquid. 2,650,556, Sept. 1.
Turner, John R.: *See*—
Reynolds, Warren S., and Turner.
Reynolds, Warren S., Turner, and Frandsen.
Turner, John R., Glen Mills, Pa., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Metal shaping machine. 2,628,584, Feb. 17.
Turner, Lon D., Denver, Colo. Relief valve manifold. 2,645,243, July 14.
Turner, Milton L., Towson, Md., and R. F. McGrew, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Blood sampling apparatus. 2,655,152, Oct. 13.
Turner, Neil H., and L. N. Lloyd, Scunthrope, England; said Turner assignor to said Lloyd. Embossing machine for stamping numbers on slabs or the like. 2,641,996, June 16.
Turner, Nelson C., assignor to Hudson Engineering Corporation, Houston, Tex. Gas and liquid contact apparatus. 2,632,638, Mar. 24.
Turner, Paul G.: *See*—
Turner, Charles R. and P. G.
Turner, Ralph R., Warwick, R. I., assignor to United Wire & Supply Corporation. Material shedder for drawbench tongs. 2,630,910, Mar. 10.
Turner, Ralph R., Warwick, R. I. Flow indicator for hose. 2,662,502, Dec. 15.
Turner, Ransom H., Great Neck, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,625,259, Jan. 13.
Turner, Ransom H., Great Neck, N. Y., assignor to Mergenthaler Linotype Company. Typographical casting machine. 2,639,027, May 19.
Turner, Ransom H., Great Neck, N. Y., assignor to Mergenthaler Linotype Company. Keyboard mechanism of the power-operated type. 2,651,406, Sept. 8.
Turner, Reginald, Horsforth, near Leeds, England. Production of ice-cream blocks. 2,643,526, June 30.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle loom. 2,625,959, Jan. 20.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,630,142, Mar. 3.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,630,841, Mar. 10.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,630,842, Mar. 10.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Controller for loom dobby fingers. 2,643,682, June 30.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Movable thread holder for looms. 2,651,331, Sept. 8.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for looms. 2,651,332, Sept. 8.
Turner, Richard J., Fanwood, and H. W. Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. 1-carbalkoxy-4-substituted piperazines. Re. 23,702, Aug. 18.
Turner, Robert E.: *See*—
Todd, Bryan J., Turner, and Broberg.
Turner, Robert H., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating apparatus. 2,651,287, Sept. 8.
Turner Tanning Machinery Company, The, assignee: *See*—
Whitney, Robert F.
Turner, William F., Arlington, Va. Copyholder and line indicator. 2,642,040, June 16.
Turner, Wofford B., Charlotte, N. C. Collapsible display rack. 2,626,059, Jan. 20.
Turner, Wylie E., Jr., assignee: *See*—
Weigandt, Carl F.
Turney, Horace J., Phoenix, Ariz. Door closer. 2,645,806, July 21.
Turnham, Myrtle M., Minneapolis, Minn. Invalid garment. 2,654,367, Oct. 6.
Turnupseed, Harley E.: *See*—
Turnupseed, Winifred J. and H. E.
Turnupseed, Winifred J., Porterville, and H. E. Turnupseed, Tulare, Calif. Pressure responsive mercury switch. 2,644,866, July 7.
Turoff, Nicholas L., assignor to National Store Fixture Co., Inc., Baltimore, Md. Assembly machine. 2,646,617, July 28.
Turpen, A. C., assignee: *See*—
Balmain, Lester H.
Turpin, Alexander J.: *See*—
Parker, Melvin J., and Turpin.
Turpin, Elias B., Battle Creek, Mich. Sandwich cutting block. 2,652,087, Sept. 15.
Tursky, Charles M., Englewood, N. J. Dispenser for lipsticks and the like. 2,626,049, Jan. 20.
Turton, Arthur, and H. E. Hickman, Los Angeles, Calif. Detaching means for abrasive disks. 2,657,509, Nov. 3.
Turton, Cecil B.: *See*—
Salomone, Rynold A., and Turton.
Tury, Eugene, Alexandria, Va. Retarding thrust file holder. 2,643,442, June 30.
Tuschak, William L.: *See*—
Herndon, Walter B., Beck, and Tuschak.
Tuscher, Jean E.: *See*—
Kolstee, Hans M., A. F. Kolstee, and Tuscher.
Tusing, Roy S.: *See*—
Fulton, Wilbur C., and Tusing.
Tuson, Edwin T., Wahroonga, New South Wales, Australia. Collapsible trailer caravan. 2,646,309, July 21.
Tuttle, Clifton M., Huntington Station, and R. E. Klauss, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for processing film. 2,629,304, Feb. 24.
Tuttle, Clifton M., Halesite, assignor to Kenyon Instrument Company, Inc., Huntington, N. Y. Control for rapid film processing. 2,631,511, Mar. 17.
Tuttle, Clifton M., and E. O'Neil, assignors to Eastman Kodak Company, Rochester, N. Y. Mechanism for producing speed indicating markings on the edges of rapidly moving film. 2,663,611, Dec. 22.
Tuttle, Fordyce E., assignor to Eastman Kodak Company, Rochester, N. Y. Display sign and making the same. 2,651,866, Sept. 15.
Tuttle, Fordyce E., and W. Bornemann, assignors to Eastman Kodak Company, Rochester, N. Y. Changeable display apparatus. 2,635,374, Apr. 21.
Tuttle, Fordyce E., and W. C. Newcomb, assignors to Eastman Kodak Company, Rochester, N. Y. Determining the velocity and acceleration characteristics of moving objects. 2,659,264, Nov. 17.
Tuttle, Fordyce E., and W. C. Newcomb, assignors to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for determining the velocity and acceleration characteristics of moving objects. 2,663,215, Dec. 22.
Tuttle, Fordyce E., and W. C. Newcomb, assignors to Eastman Kodak Company, Rochester, N. Y. Determining the velocity and acceleration characteristics of moving objects. 2,663,217, Dec. 22.
Tuttle, John B., Pelham Manor, N. Y., assignor to Standard Oil Development Company. Composition for manufacture of sand cores. 2,659,654, Nov. 17.
Tuttle & Kift, Inc., assignee: *See*—
Tuttle, William R.
Tuttle, Orville F.: *See*—
Friedman, Isidore I., and Tuttle.
Tuttle, Richard H., Leaksville, J. T. MacIsaac, Jr., Spray, and F. W. Sturtevant, Leaksville, N. C., assignors to Marshall Field and Company, Chicago, Ill. Automatic weft straightener control and method. 2,638,656, May 19.
Tuttle, William R., Riverside, assignor to Tuttle & Kift, Inc., Chicago, Ill. Electric heater. 2,643,317, June 23.
Tutton, Fred S., Houston, Tex. Production method and apparatus. 2,636,445, Apr. 28.
Tutwiler, Thomas S., Elizabeth, N. J., assignor to Standard Oil Development Company. Polymerization of methacrylate esters with benzoyl peroxide-benzoinferric laurate catalyst. 2,628,225, Feb. 10.
Tutwiler, Thomas S., Elizabeth, N. J., assignor to Standard Oil Development Company. Mineral oil lubricating composition containing a copolymer of an alkyl ester of itaconic acid and an alkyl acrylate or methacrylate. 2,637,698, May 5.
Tuve, John M., Lemon Grove, Calif. Means for correcting ingrown toenails. 2,632,441, Mar. 24.
Tuve, Richard L., Silver Spring, Md. Helium and mixtures thereof with carbon dioxide as fire extinguishants. 2,641,323, June 9.
Tuve, Richard L., Silver Spring, and E. J. Jablonski, Seat Pleasant, Md. Can opener and receptacle. 2,654,507, Oct. 6.
Tuwiner, Sidney B., Baldwin, assignor to Phelps Dodge Corporation, New York, N. Y. Reaction product of a xanthate, and inorganic sulfide and a copper salt. 2,651,649, Sept. 8.
Tveden, Niels B., assignor to Dacola Masinfabrik A/S, Copenhagen, Denmark. Plunger pump. 2,653,756, Sept. 29.
Tvedt, Bernhard, Simonsvik, near Bergen, Norway. Accessory for files. 2,642,861, June 23.
Tvelt, Torger, Lidgerwood, N. Dak. Folding pocket knife. 2,624,939, Jan. 13.
Tvrzicky, Francis, Chicago, Ill. Scraping and shaving device. 2,635,334, Apr. 21.
Twede, Erland R., Yuba City, Calif. Damper assembly. 2,664,041, Dec. 29.
Tweedale, Frank, Clarsfield, Oldham, assignor to Platt Brothers & Company Limited, Oldham, England. Calender delivery mechanism of carding engines. 2,631,335, Mar. 17.
Twentieth Century Fox Film Corporation, assignee: *See*—
Leslie, Fred D., and Bragg.
Twickler, Raymond F., New Orleans, La., assignor to William Twickler & Sons Inc. Insulated flue pipe. 2,634,759, Apr. 14.
Twickler, William, & Sons Inc., assignee: *See*—
Twickler, Raymond F.

Twiet, Daniel K., Juneau, Alaska, assignor to Plastichem Corporation, Seattle, Wash. Combined comb and powder applicator. 2,647,490, Aug. 4.
Twiford, Irving W., Moorcroft, Wyo. Leg rest for vehicle seats. 2,650,654, Sept. 1.
Twin Disc Clutch Company, assignee: *See*—
Batten, Percy H.
Black, James B.
Black, James B., and Shurts.
Dunkelow, Henry J.
Shurts, Wilbur F.
Venstrom, Evert L.
Wolf, Lloyd J.
Twiss, Donald T., Los Angeles, Calif. Combination knife. 2,653,382, Sept. 29.
Twist, Lee, Huntington Park, Calif. Vehicle direction signal. 2,642,489, June 16.
Twist, Thomas O.: *See*—
Roper, John M., and Twist.
Twomey, Lee S., Vista, Calif. Manipulation of nitrogen-contaminated natural gases. 2,663,169, Dec. 22.
Tworek, Thaddeus J., Omaha, Nebr. Readily applicable and removable garment button. 2,656,578, Oct. 27.
225 Enterprises Inc., assignee: *See*—
Clark, Francis R., and West.
Tye, Opal L., Pineville, Ky. Screen door safety latch. 2,663,585, Dec. 22.
Tyerman, David J., Burbank, Calif. Wheel toe-in change indicator. 2,649,788, Aug. 25.
Tyler, Edward P., North Hollywood, Calif. Broiler. 2,659,296, Nov. 17.
Tyler, James E., Jackson, Miss. Oil filter appliance. 2,630,919, Mar. 10.
Tyler, John E., Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y. Rheological instrument. 2,630,707, Mar. 10.
Tyler, Ransom, Greenfield, assignor to The Oilgear Company, Milwaukee, Wis. Positioning control for hydraulic motors. 2,655,903, Oct. 20.
Tyler, Stanley R.: *See*—
McCourty, William D., and Tyler.
Tylon, Samuel, Cleveland, Ohio. Jewelry box. 2,635,743, Apr. 21.
Tyndall, Joseph M., Columbus, Ind., and M. Maeser, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for and methods of drying leather. 2,661,543, Dec. 8.
Tyrner, Joseph M., Brookside, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Arc welding apparatus. 2,628,302, Feb. 10.
Tyrner, Joseph M., Morristown, N. J. Washing machine with water motor having an exhaust connected to washer tub. 2,649,704, Aug. 25.
Tyrrell, Cecil C.: *See*—
Johnson, Raymond C., and Tyrrell.
Tyrseck, Walter J., assignor to Robertson Paper Box Company Incorporated, Montville, Conn. Partitioned carton. 2,660,361, Nov. 24.
Tyskewicz, John P.: *See*—
Bourne, Roland B., and Tyskewicz.
Williamson, William R., and Tyskewicz.
Tyskewicz, John P., assignor to The Maxim Silencer Company, Hartford, Conn. Separator for steam, water, and scale. 2,642,949, June 23.
Tyskewicz, John P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer for outside installation. 2,655,220, Oct. 13.
Tyson, Charles W.: *See*—
Cardwell, Milton M., Roddey, and Tyson.
Gohr, Edwin J., Martin, Jahnig, Tyson, and Graham.
Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Valve. 2,646,065, July 21.
Tyson, Homer C., Bethany, Ohio. Ice cube pitcher gate. 2,649,967, Aug. 25.
Tyson, Miller S., Longmeadow, Mass. Tilt headed tap bolt. 2,660,083, Nov. 24.
U. D. Engineering Company Limited, assignee: *See*—
Stoate, Norman P., and Shepheard.
USCO Power Equipment Corp., assignee: *See*—
Murray, Royce L., McCure, and Garrison.
Uarco Incorporated, assignee: *See*—
Jensen, Louis.
Lach, John.
Ubel, George B., Buffalo, N. Y. Holder for electrically operated toothbrushes and the like. 2,644,972, July 14.
Ubertini, Alejandro, Buenos Aires, Argentina. Worm gear drive. 2,635,479, Apr. 21.
Udale, Stanley M., assignor to Holley Carburetor Company, Detroit, Mich. Contact for ignition systems. 2,646,486, July 21.
Udale, Stanley M., assignor to Holley Carburetor Company, Detroit, Mich. Two-cycle combustion chamber. 2,655,906, Oct. 20.
Udelman, Jaime, Cartago, Costa Rica. Helicopter. 2,646,130, July 21.
Udstad, Sigvald F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Spring mounting for vehicles. 2,648,536, Aug. 11.
Udvardy, Zolton, New York, N. Y. Garment display device. 2,639,844, May 26.
Udy, Marvin J., Niagara Falls, N. Y. Production of ferrosilicon. 2,637,648, May 5.
Udylite Corporation, The, assignee: *See*—
Brown, Henry.
Brown, Henry, and High.
Davis, John V.
Davis, John V., Chill, and Planowski.
Uebelmann, Otto: *See*—
Weides, Erich, Riepka, and Uebelmann.
Uerling, Le Moyne J., Ogallala, Nebr. Fi
2,630,979, Mar. 10.
Uhas, Thomas R., San Antonio, Tex. Bowlin
2,661,951, Dec. 8.
Uher, Edmond, Paris, France. Rotary cyl
2,647,391, Aug. 4.
Uhl, Arthur W., Inwood, N. Y., assignor to Spe
velopment Corporation, Belleville, N. J. In
apparatus adapted to detect suspended matte
2,651,029, Sept. 1.
Uhl, Arthur W., Inwood, N. Y., assignor to Spe
velopment Corporation, Belleville, N. J. Ap
detecting suspended matter in fluids. 2,660,0
Uhl, William H., Penfield, assignor to Comm
trols Corporation, Rochester, N. Y. Pivo
supporting plate. 2,636,630, Apr. 28.
Uhl, William H., Penfield, and E. G. Ziegelhoefe
to Commercial Controls Corporation, Roche
Tape handling mechanism. 2,631,534, Mar.
Uhle, David J., assignor to The Aralloy Comp
town, Pa. Alloy and process. 2,633,438, Ma
Uhler, Wilmer P., Tottenville, N. Y., assignor t
White Dental Manufacturing Company. De
handpiece. 2,653,383, Sept. 29.
Uhlhorn, Carl F., Lewistown, Mont. Wire hold
fence posts. 2,631,804, Mar. 17.
Uhlig, Edwin C., Greenwood, and L. A. M
Cranston, R. I., assignors to United Sta
Company, New York, N. Y. Making a ba
rator. 2,662,032, Dec. 8.
Uhlig, Edwin C., Greenwood, and L. A. M
Cranston, R. I., assignors to United Sta
Company, New York, N. Y. Battery
2,662,106, Dec. 8.
Uhlig, Edwin C., Greenwood, and L. A. M
Cranston, R. I., assignors to United Sta
Company, New York, N. Y. Battery
2,662,107, Dec. 8.
Uhlig, Emil, Springfield, Pa. Paint can holder.
Jan. 13.
Uhlig, Eric J., Haddon Heights, and J. R. Lew
wood, assignors to Wickes Engineering and C
Company, Camden, N. J. 24-hour direct-re
2,645,896, July 21.
Uhlig, Henry C.: *See*—
Bogdanffy, George W., Mitchell, and Uhlig
Uhlig, Henry C., Clifton, assignor, by mesne a
to Howe Twister Corporation, Jersey City, N
ble elongated member tensioning device.
Sept. 1.
Uhlig, Henry C., Clifton, assignor, by mesne a
to Howe Twister Corporation, Jersey City, N
ratus for and method of cabling threads.
Oct. 6.
Uhlmann, Erich, Ludvika, assignor to Allmän
Elektriska Aktiebolaget, Vasteras, Sweden.
transformer for current converters. 2,632,8
Uhlrig, Harry W., Stratford, Conn., assignor
Electric Company. Electric fan having a res
ported motor. 2,628,771, Feb. 17.
Uji, Tatsuro, Ohmiya, Saitama Prefecture,
Setagaya, Tokyo, and M. Fukami, Shibuya,
signors to Olympus Optical Co., Ltd., To
Camera for taking photographs of inner wa
of human or animal bodies. 2,641,977, Jun
Ulanovsky, Jack M., assignor to Paddock
ment Co., Los Angeles, Calif. Aluminum
2,649,304, Aug. 18.
Uline, Migiel J., Fort Lauderdale, Fla. T
pocket autographic register. 2,625,409, Jan
Ulinski, Bronislaus I., Chicago, Ill., assignor
& Towne Manufacturing Company, Stam
Controller. 2,632,819, Mar. 24.
Ullberg, Frederick G. W., Jr., assignor to T. J
Philadelphia, Pa. Supporting trough
2,656,998, Oct. 27.
Ullberg, Frederick G. W., Jr., assignor to T. J
Philadelphia, Pa. Angle connector for trou
2,656,999, Oct. 27.
Ullberg, Frederick G. W., Jr., assignor to T. J
Philadelphia, Pa. Angle connector for el
supporting trough systems. 2,662,709, Dec
Ullrich, Fred J., assignor to Sutherland Pape
Kalamazoo, Mich. Tray or carton. 2,629,
Ullstrand, Hugo M., assignor to Aktiebolaget
Stockholm, Sweden. Absorption refrigera
having plural evaporators operable at di
peratures. 2,635,437, Apr. 21.
Ullstrand, Hugo M., assignor to Aktiebolaget
Stockholm, Sweden. Refrigerator employin
refrigeration system. 2,663,159, Dec. 22.
Ullyot, Glenn E.: *See*—
Arnold, Richard T., and Ullyot.
Campbell, Kenneth N., and Ullyot.
Kerwin, James F., and Ullyot.
Wilson, James W., III, and Ullyot.

Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. 1-keto-3-butyl-4-hydroxy-1,2,3,4-tetrahydroisoquinoline. 2,642,431, June 16.

Ulm, Reign C., Schererville, assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Floating roof. 2,650,738, Sept. 1.

Ulmer, Richard C.: *See*—
Corso, Joseph V., and Ulmer.

Ulmer, Richard C., Tuckahoe, assignor to E. F. Drew & Co., Inc., New York, N. Y. Method of and material for treating water. 2,640,808, June 2.

Ulmschneider, Lawrence A., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for sealing wrapping material. 2,629,808, Feb. 24.

Ulrey, David G., St. Petersburg, Fla., assignor to V. M. Darsey, Detroit, Mich. Detoxifying tung meal. 2,641,542, June 9.

Ulrey, Ray C.: *See*—
Guernsey, Robert W., and Ulrey.

Ulrich, Bernhard, Jr., and P. Ulrich, Corpus Christi, Tex. Circuit interrupter. 2,650,271, Aug. 25.

Ulrich, Carl E., Chicago, Ill. Installing joint strips in highways. 2,625,086, Jan. 13.

Ulrich, Charles B., Jamestown, N. Y. Spring counterbalancing means for the covers of cabinets. 2,639,053, May 19.

Ulrich, Charles J., Los Angeles, Calif. Hoisting apparatus. 2,634,000, Apr. 7.

Ulrich Foundation, Inc., assignee: *See*—
Ulrich, Raymond M.

Ulrich, Frederick, Jersey City, and C. Disinger, South Plainfield, assignors to Conmar Products Corporation, Newark, N. J. Automatic lock slider for slide fasteners. 2,629,912, Mar. 3.

Ulrich, Julius M., Old Greenwich, Conn. Internal-combustion engine. 2,628,603, Feb. 17.

Ulrich, Martin T., Centerville, Calif. Knockdown table. 2,638,394, May 12.

Ulrich, Martin T., Centerville, Calif. Spinning and fly reel. 2,649,259, Aug. 18.

Ulrich, Philip: *See*—
Ulrich, Bernhard, Jr., and P. Ulrich.

Ulrich, Raymond M., Roanoke, Ill., assignor to Ulrich Foundation, Inc. Loader for tractors. 2,630,930, Mar. 10.

Ulrich, Raymond M., Roanoke, Ill., assignor to Ulrich Foundation, Inc. Dustproof hydraulic coupling. 2,648,553, Aug. 11.

Ulrich, Robert E., Riverton, N. J., assignor to Radio Corporation of America. Locking hinge. 2,645,446, July 14.

Ulrich, Robert E., Riverton, and V. A. Schlenker, Camden, N. J., assignors to Radio Corporation of America. Projection lamp holder. 2,653,217, Sept. 22.

Ulrich, Sanford S., assignor to Robinson Furniture Company, Detroit, Mich. Weight distribution testing apparatus. 2,644,332, July 7.

Ulster Foundry Corporation, assignee: *See*—
Hicks, Ernest M.

Ultra-Mechanisms, Inc., assignee: *See*—
Neumann, Ernest P., and Lustwerk.

Ulvad, Bernhard, North Leominster, Mass., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb. 2,655,925, Oct. 20.

Umbdenstock, Robert R., Brooklyn, assignor to Chas. Pfizer & Co., Inc., New York, N. Y. Coated rubber stopper and preparing same. 2,652,182, Sept. 15.

Umberger, Jacob Q., Holmdel, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Transferring an image-bearing gelatin layer to another film base. 2,643,950, June 30.

Umberger, Jacob Q., Holmdel, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Intensifying silver photographic images. 2,662,014, Dec. 8.

Umphrey, Donald M., Palo Alto, Calif., assignor to Pacific Electric Manufacturing Corp. Circuit breaker latch mechanism. 2,631,190, Mar. 10.

Umphrey, Donald M., Palo Alto, Calif., assignor to Pacific Electric Manufacturing Corp. Circuit interrupter. 2,634,351, Apr. 7.

Umphrey, Donald M., Palo Alto, Calif., assignor to Pacific Electric Manufacturing Corp. Circuit interrupter. 2,647,973, Aug. 4.

Umphrey, Donald M., Palo Alto, Calif., assignor to Pacific Electric Manufacturing Corp. Hydraulic circuit breaker actuating mechanism. 2,658,969, Nov. 10.

Umphrey, Donald M., Palo Alto, Calif., assignor to Pacific Electric Manufacturing Corporation. Hydraulic circuit-breaker mechanism. 2,662,134, Dec. 8.

Umrath, Ernst, Bloomingdale, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Slide wire device for recorders. 2,654,013, Sept. 29.

Unal, Yunus, La Fayette, Ind. Spring valve jig. 2,644,227, July 7.

Underwood, Arthur F., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Bearing lubrication. 2,625,448, Jan. 13.

Underwood Corporation, assignee: *See*—
Anderson, Walter A.
Daniel, Benjamin M.
Faucher, Armand W.
Helmond, William F.
Hoffman, Jacob N.

Underwood Corporation, assignee: *See*—Continued.
Khalil, Seyed.
Mederos, Thomas S., Jr.
Pitman, Henry L.
Sagner, Walter T.
Schroder, Charles.
Schulz, George K.
Sharpe, Arthur H.
Smith, Jesse A. B.
Sundstrand, Oscar J.
Swanson, Oscar W.
Swanson, Oscar W., and Mossberg.
Toggenburger, John.
Von Hacht, William H.
Wise, Elmer L.
Yaeger, Harry C.

Underwood, Grace M., Berryton, Kans. Sewing machine gauge and guide. 2,645,194, July 14.

Underwood, Leo H., Walhonding, Ohio. Electric fence controller and method of operation. 2,626,364, Jan. 20.

Underwood, Wilford H., and E. Toepfer, Crowley, La. Rice drier. 2,634,511, Apr. 14.

Unger, Dolores J., executrix: *See*—
Unger, Hector F.

Unger, Earl D., L. A. Smith, and H. F. Willkie, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Ion exchange treatment of alcohol solutions. 2,641,543, June 9.

Unger, Hector F., deceased, Portland, Oreg.: D. J. Unger, executrix. Sprinkler rotating spinner drive sand seal. 2,625,441, Jan. 13.

Unger, Richard A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe support. 2,656,556, Oct. 27.

Unger, Richard A., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Measuring device. 2,636,281, Apr. 28.

Unger, Walter L., San Gabriel, Calif. Piston ring. 2,649,344, Aug. 18.

Uni-Drive Corporation, assignee: *See*—
Deputy, Marshall P.

Unifold Mailing Machines, Inc., assignee: *See*—
Bamber, John R.

Union Asbestos & Rubber Company, assignee: *See*—
Lundvall, John S.

Union Bag & Paper Corporation, assignee: *See*—
Davis, William L.
Bokenkroger, William H., and Avery.
Read, Robert E.
Ross, Lawrence T.
Wright, Ernest C.

Union Carbide and Carbon Corporation, assignee: *See*—
Aitchison, Robert B., Hicks, and Craig.
Babcock, Roger S., and Holub.
Barnes, Malcolm H.
Binder, William, and Franks.
Binder, William O.
Binder, William O., and Perkins.
Burdick, John N., and Kinne.
Carosella, Michael C., and Mettler.
Chitwood, Henry C., Fitzpatrick, Fowler, and Freure.
Clapsadle, Leo J., and Syracuse.
Clark, Jared W.
Conant, Louis A., and Gillies.
Cornell, William D.
Crafts, Walter.
Denison, Walter A., and Stoops.
Dorf, Charles J.
Duane, John J.
Duggan, James J.
Erasmus, Hendrik de W.
Erasmus, Hendrik de W., and Forgeng.
Erickson, Charles E., and Wagner.
Fleming, David H., Jr.
Gaylord, William M., Jr.
Gibby, William F.
Gilson, Hiram B., and Anthes.
Hamister, Victor C.
Hanson, Norman D.
Harry, John B.
Hendry, James M.
Herbst, Harry T.
Hilty, Donald C.
Hoaglin, Raymond I., and Frankenberger.
Hoaglin, Raymond I., and Hirsh.
Jacobsson, Wilgot J.
Jacobsson, Wilgot J., and Behnke.
Kennedy, Harry E.
Kuhlmann, August M.
Lambrech, Joseph A.
Langer, Theodore W., and Mago.
Lobosco, Roscoe R.
Lundquist, Adolph O.
Mackinney, Herbert W., and Schultz.
Marsal, Paul A.
Marsal, Paul A., and Fox.
McCullough, Kenneth V., and Maines.
Meincke, Edward.
Meincke, Edward, and Smith.
Miller, Walter A.
Murphy, John J., Gaines, and McCandless.
Newton, Lawrence W.
Powers, John B., and Bludeau.
Ramadanoff, Dimiter.

Union Carbide and Carbon Corporation, assignee: *See*—Continued.
Rice, Philip K.
Riede, Peter M.
Roberts, Fred G.
Schreiner, Norman G., and Clapp.
Schumacher, Erwin A., and Heise.
Shafer, Paul W., and Wagner.
Smith, Frederick A.
Stansbury, Harry A., Jr., and McNamee.
Sundeen, Roy C.
Swallow, Herbert A.
Sweet, Roger G.
Wagner, George H.
Wagner, George H., and Strother.
Wakefield, Harold F., Schultz, and Richardson.
Walter, Andrew T.
Walton, Richard K., and Thomas.
Wellman, Richard H., and McNamee.
Yenni, Donald M., and Hart.
Zimmerman, Herman M.

Union Chimique Belge, S. A., assignee: *See*—
Morren, Henri G. P. J.

Union des Verreries Mecaniques Belges, assignee: *See*—
Henry, Georges, and Brichard.

Union des Verreries Mecaniques Belges S. A., assignee: *See*—
Henry, Georges L., and Brichard.

Union Diesel Engine Company, The, assignee: *See*—
Newell, Sidney W.

Union Fork & Hoe Company, assignee: *See*—
Riehl, William L.

Union Francaise Commerciale et Industrielle, assignee: *See*—
Lachampt, Felix L.

Union Machine Company, assignee: *See*—
Cumpston, Edward H., Jr.
O'Neill, Edward M.
O'Neill, Paul A.

Union Metal Manufacturing Company, The, assignee: *See*—
Riemenschneider, Edmund W.
Shea, Lindsey, West, and Osborne.

Union Oil Company of California, assignee: *See*—
Arthur, Milan G.
Atkins, Earle R., Jr.
Backlund, Peter S., and Jenkins.
Bauer, Robert F., and Sherborne.
Berg, Clyde H. O.
Berg, Clyde H. O., and Imhoff.
Berg, Clyde H. O., Reed, and Hartley.
Byrns, Alva C.
Carpenter, Clayton A., and Crog.
Coe, Clarence S., and Doumani.
Cunningham, Orin D., and Polly.
Doumani, Thomas F., and Coe.
Fischer, Paul W., and Rogers.
Jakosky, John J.
Kehde, Howard.
Krueger, Roland F.
McKinnis, Art C.
Nahin, Paul G.
Neff, Loren L.
Polly, Orville L., and Berg.
Rand, William W.
Reed, Homer C., and Berg.
Scott, Frederick S.
Sherborne, John E.
Wyland, Ray O., Jr.

Union Savings & Trust Company, The, executor: *See*—
Heltzel, John N.

Union Savings & Trust Company of Warren, Ohio, The, executor: *See*—
Heltzel, John N.

Union Special Machine Company, assignee: *See*—
Attwood, John G.
Cook, Martin L.
Harrod, William D.
Peterson, Albert C., Wallenberg, and Smith.
Quist, Oscar.
Reimer, George M.
Rubel, Charles F.
Sauer, George.
Sauer, George, and Schweda.
Schweda, Albert M.
Wallenberg, Ned L., and Sauer.
Wallenberg, Ned L., and Schweda.

Union Starch & Refining Company, assignee: *See*—
Cleland, James E., Curry, and Meyer.
Cleland, James E., and Longnecker.
Longenecker, Joseph B., and Cleland.

Union Steam Pump Company, assignee: *See*—
Yohpe, Reinhard A.

Union Steel & Manufacturing Company Limited, The, assignee: *See*—
Hampton, Ronald.

Union Steel Products Company, assignee: *See*—
Averill, Charles C.
Bitney, Dewey H.

Union Stock Yards & Transit Company, assignee: *See*—
Brown, Edwin H.
Morrison, Willard L.

Union Totalisator Company Limited, The, assignee: *See*—
Handley, John.
Lee, John G.

Unipress Company, Incorporated, The, assignee: *See*—
Maxwell, Ira C., and Langen.

Unique Balance Co., Inc., assignee: *See*—
Larson, Algot.

Unistel Textile Machine Corporation, assignee: *See*—
Quinn, Evan V.

Unitcast Corporation, assignee: *See*—
Ingram, Orville.

Unit Crane & Shovel Corp., assignee: *See*—
Swanson, Hilbert E.

United Aircraft Corporation, assignee: *See*—
Alex, Ralph P.
Alford, Wilson M.
Allen, Arthur N., Jr.
Anderson, John E.
Beardsley, Guy E., Jr.
Best, Stanley G.
Best, Stanley G., and Pearl.
Billman, Louis S.
Brown, Edmund D.
Brown, William H.
Buivid, Michel D.
Chamberlain, John.
Coar, Richard J.
Cole, Gilmoure N., and Hasbrouck.
Conwell, Charles B.
Cronstedt, Val.
Diefenderfer, William E.
Diefenderfer, William E., and Allen.
Estabrook, John Y.
Firestone, Floyd A.
Frazee, John D.
Gorton, Willard L.
Hagger, George F.
Hasbrouck, John S.
Hasbrouck, John S., and Small.
Hoadley, Henry H.
Hoffmann, Anton R., and Crump.
Horne, Richard C., Roth, and Dickerman.
Horne, Richard C., and Stoddard.
Horton, Roger F.
Jedrziewski, Chester M.
Jensen, Harry T.
Kearns, Charles M., Jr.
Kearns, Charles M., Jr., and Lampton.
Kennedy, William G.
Koup, Alfred L., and Wagner.
Ledwith, Walter A.
Lindstrom, Frithjof J.
Longfellow, Melvin E.
Loughran, Robert H.
Martin, Erle.
Martin, Erle, Beebe, and Anderson.
Martin, Erle, and McCarthy.
Martin, Erle, and Rhines.
McClintock, Frank A.
Meitzler, Donald E.
Newcomb, Philip P.
Newell, Isaac L.
Pearl, David R.
Plumb, Donald M.
Pratt, Perry W.
Radtke, Edward W., and Diefenderfer.
Richmond, Nelson R.
Richmond, Nelson R., and Perin.
Schofield, Henry Z., and O'Bannon.
Sens, William H.
Sherry, James R.
Sikorsky, Igor I.
Smith, Charles B.
Smith, John C.
Taylor, Harlan D.
Thompson, Ransom S.
Wallace, Rudolf N.
Willgoos, Andrew V. D.

United Aircraft Products, Inc., assignee: *See*—
Booth, Harry T.
Clark, Warren H.
Clark, Warren H., and Mead.
Geddes, Walter H., Karlson, and Werensky.
Ghormley, Edwin I.
Stiefelmayer, Eugen.
Stoner, Francis E., and Lillie.

United Air Heaters, Inc., assignee: *See*—
Wallis, Walter M.

United Air Lines, Inc., assignee: *See*—
Koza, Ralph H., and Stockam.

United American Metals Corporation, assignee
Jung, Albert H.

United Buff Products Corporation, assignee: *Se*
Kanter, Mike.

United Carbon Company, Inc., assignee: *See*—
Fore, Calvin B.

United-Carr Fastener Corporation, assignee: *Se*
Becker, Philip D.
Bedford, William A., Jr.
Blazej, Joseph.
Carbary, Edward M.
Churchill, Wilmer H.
Chute, Ralph H.
Coyle, William J.

United-Carr Fastener Corporation, assignee: *See*—Continued.
Gosselin, Raymond A.
Hall, Charles L.
Herterick, Vincent R.
Howard, Forbes.
Jones, Walter I.
Murphy, Howard J.
Peterson, Lawrence E.
Petri, Hector D.
Pickering, George D.
Sampson, Frederick S.
Shabeck, John C. L., Jr
Shomber, Kerian J.
Van Buren, Harold S., Jr.
Woodward, Clement A.
United Chromium, Incorporated, assignee: *See*—
Dubpernell, George, and Martin.
Passal, Frank.
Starcek, Jesse E.
United Concrete Pipe Corporation, assignee: *See*—
James, Kenneth E.
United Drill and Tool Corporation, assignee: *See*—
Kronwall, Konstantin.
United Elastic Corporation, assignee: *See*—
Hesse, Richard.
Richards, Albert J.
United Engineering Company, assignee: *See*—
Daniel, David M.
United Engineering & Foundry Company, assignee: *See*—
Biggert, Florence Q., Jr.
Greenberger, Joseph I.
Reynolds, Thomas G.
Talbot, Howard H.
Tener, Graydon B.
United Engineers & Constructors Inc., assignee: *See*—
Eaton, Gerald L.
Haug, John S., and Mengers.
United Fruit Company, assignee: *See*—
Kingsbury, Webb.
Robson, Hector H.
United Lacquer Mfg. Corp., assignee: *See*—
Schwefsky, Melvin.
United Manufacturing Company, assignee: *See*—
Andres, Lloyd J.
United Mattress Machinery Co. Inc., assignee: *See*—
Wanzer, Arthur W., Way, and Kalning.
United Merchants and Manufacturers, Inc., assignee: *See*—
Brierley, James R.
United National Bank of Cliffside Park, The, administrator: *See*—
Kennedy, Walter.
United Paper Company, assignee: *See*—
Meyer, Ely.
Vaughan, Thomas M.
United Shoe Machinery Corporation, assignee: *See*—
Ashley, John W., and Leahy.
Ashworth, Fred.
Ashworth, Fred, and Chase.
Baker, Corwin W.
Barker, William A.
Benedict, Walter L., Goodnow, and Pulsifer.
Bishop, Harold W.
Bliss, Robert H.
Boothroyd, Harold W., and Zink.
Bradley, Robert L.
Bradley, Robert W., and Hart.
Burby, Philip E.
Burke, George F. C.
Butler, Ernest L.
Butler, Ernest L., and Holmes.
Campbell, Charles R., Jr.
Carter, James P.
Choice, Frank C.
Clark, Alfred S.
Cooper, Basil P., and Henshaw.
Courchene, Theodore P.
Cutler, Wallace M., Greenough, and Kant.
Daniels, Richard W., Jr., and Maciejowski.
Dumas, Albert S.
Eastman, Fred C.
Eich, Frank A., and Miller.
Eldridge, John C., and Flaherty.
Eppler, Andrew, Jr.
Fossa, Joseph.
Freer, Cecil H.
Gates, William O.
Gookin, Sylvester L.
Gulbrandsen, Helge.
Haas, Otto R.
Hart, George T.
Hay, Dana P.
Henshaw, James N.
Highberger, John H.
Hill, Roscoe L., and Ireland.
Hursh, John W.
Imhof, Herman A.
Jester, Arthur W.
Jorgensen, Bernhardt.
Juhola, Carl.
Kant, Edwin S.
Knott, Clyde L.
Knowlton, Cutler D.
Lancaster, John T.
United Shoe Machinery Corporation, assignee: *See*—Continued.
Leahy, James F., and Burke.
Lee, Ferman N.
Levesque, Henry R.
Lutyens, John L.
Maeser, Mieth, and Alderman.
Mawbey, Lawrence.
McIlvin, Donald B., and Abbott.
Miller, Lloyd G.
Morrill, Alfred R.
Newhall, Carl A.
Newton, Charles G., Jr.
Olson, Arthur R., and McMillan.
Osborn, Robert M.
Paulsen, Hans C.
Pearsall, Ralph E.
Phillips, Harry.
Pineles, Bernard M., and Brophy.
Quinn, Edward, and Hersey.
Roberts, Maurice.
Robinson, Charles A.
Root, Andrew A.
Roske, Milton H.
Senfleben, Paul W.
Shafer, Wayne A., Jr.
Simms, Ernest H.
Smith, Frank R.
Spatola, Albert.
Stratton, Frank E., and Hall.
Stritter, Karl A.
Thresh, Frank R.
Topham, Laurence E., and Girouard.
Tyndall, Joseph M., and Maeser.
Unger, Richard A.
Walsh, John E.
Welch, Edward S., Jr.
Woodman, Charles K.
United Specialties Company, assignee: *See*—
Dreznes, John J.
Moler, Maurice T.
Swansen, Theodore L.
United Steel Companies, Limited, The, assignee: *See*—
Chesters, John H.
Reeve, Lewis.
United Steel & Wire Company, assignee: *See*—
Genebach, Lowell B.
United Technical Laboratories, assignee: *See*—
Kraft, Russell E.
United UP Works, National Corporation, assignee: *See*—
Mareček, Vladimir.
United Wire & Supply Corporation, assignee: *See*—
Turner, Ralph R.
United States Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Mayer, Harry F.
Satinoff, David.
Tietjen, Robert H.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Altar, William.
Andrews, Harry C., and Gifford.
Backus, John G., and Peters.
Baker, William R.
Benade, James M., Goodale, and Jesse.
Bevis, Murray.
Blumenthal, Warren B.
Borkowski, Casimer J.
Bromberg, Robert, and Martin.
Brown, Albert A.
Burns, William A., and Johnson.
Cohen, Benjamin.
Cohn, Waldo E.
Cook, Leslie J.
Coplan, Burton V., and Zebroski.
Crandall, Howard W., and Stewart.
Creutz, Edward C.
Crever, Frederick E.
Cyr, Rob R.
Davis, Doyle M., and Hart.
De Ment, Jack.
Donelian, Khatchik O.
Fallla, Gioacchino, and Rossi.
Fairstein, Edward.
Farly, George M.
Firminhac, Ralph H.
Fowler, Robert D.
Fowler, Robert D., and Burford.
Froman, Darol K., Hinch, and Watts.
Godbold, Nat H.
Goertz, Raymond C.
Gould, Charles D.
Gow, James D., and Foster.
Grauer, Carl T.
Hagemann, French T.
Hammond, R. Philip, and Leary.
Heath, Howard R.
Herod, Newton S., and O'Neill.
Hickman, Clarence N.
Hopper, Dwight L., and Criner.
Horrell, Maurice W.
Howe, John P., Greninger, and Plott.
Huffman, Eugene H., and Oswalt.
Hylbak, Harley E.
Jakobson, Mark J.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—Continued.
Jesse, William P., Broxon, and Hinch.
Kanne, William R.
Kelley, George G.
Kerns, Quentin A.
Kline, Kenneth H.
Kohl, Jerome, Reid, and Zumwalt.
Landrey, Leo R., and Mazzel.
Lee, George H.
Leland, Wallace T.
Madorsky, Samuel L., and Brewer.
Mann, Estle R., and Hester.
Martin, David C.
Mayper, Stuart A.
McMillan, Edwin M.
Miller, Arthur J.
Miller, William T.
Miller, William T., and Maynard.
Nedzel, Viacheslaw A.
Nier, Alfred O. C.
Ohmart, Philip E.
Olden, Roger G.
Parkins, William E.
Paxson, Gordon D.
Plott, Robert F.
Powell, Jack E.
Powell, Wilson M.
Powell, Wilson M., and Hernandez.
Prescott, Charles H., Jr.
Presenz, Cecil S.
Rainwater, Leo J.
Reid, Allen F.
Reid, Elliott G.
Robinson, Sidney.
Rossi, Harald H.
Sands, Matthew L.
Scalise, Dominic T.
Schlesinger, Hermann I., and Brown.
Selvin, Gerald J.
Sewell, Duane C.
Shapiro, Zalman M.
Sheer, Charles.
Shonka, Francis R.
Simpson, Kenneth M.
Slavin, Morris, Fletcher, and May.
Smaller, Bernard.
Smith, Lincoln G.
Smith, Robert J.
Spracklen, Stanford B.
Stone, Wallace G.
Tevebaugh, Arthur D., and Vaslow.
Thompson, Robert W.
Tillman, John E.
Tollefsbol, Orion E.
Veltman, Preston L.
Walsh, Kenneth A., and Wilhelm.
Weber, Frank R., Jr.
Wiegand, Clyde E.
Wilhelm, Harley A., and Chiotti.
Wilhelm, Harley A., and Walsh.
Wilson, Volney C., and Simpson.
Wouters, Louis F.
United States Automatic Box Machinery Company, Inc., assignee: *See*—
Clement, Ernest C.
Wikstrom, Oskar W.
United States Bedding Co., assignee: *See*—
Bronstien, Edward L., and Woodington.
U. S. Blind Stitch Machine Corp., assignee: *See*—
Buono, Mario.
U. S. Bobbin & Shuttle Company, assignee: *See*—
Gosselin, Wilfrid J.
U. S. Bottlers Machinery Company, assignee: *See*—
Risser, Ivan H.
U. S. Electrical Motors, Inc., assignee: *See*—
Luenberger, Frederick O.
United States Gypsum Company, assignee: *See*—
Ballard, Bernard T.
Camp, Thomas P., Thorsen, and Besal.
Conover, James H.
Downey, Richard M.
Higgs, Morton C., and Hartwright.
Huntzicker, Harry N.
Huntzicker, Harry N., Dailey, and Minnis.
Nelsson, Nels.
Nies, Brainard W., and Duffy.
Parsons, Joseph R., Higgs, and Loos.
United States Hat Machinery Corporation, assignee: *See*—
Genest, H. A., and W. H.
United States Hoffman Machinery Corporation, assignee: *See*—
Allen, Albert S.
Clarke, Clarence M.
Erlanger, Arnold.
United States of America, assignee: *See*—
Gardner, Andrew L.
United States Playing Card Company, The, assignee: *See*—
Bostwick, Wallace L.
Terry, Samuel M.
U. S. Plush Mills, Inc., assignee: *See*—
MacIntyre, John A.
United States Plywood Corporation, assignee: *See*—
Overholt, Ray L.
United States Potash Company, assignee: *See*—
Wilson, William P.
United States Rubber Company, assignee: *See*—
Abbott, John F. S., and Tappero.
Adams, James W.
Anderson, Everett V.
Barton, Bernard C.
Berger, Sidney E., and Webb.
Black, Sheppard A.
Blaurock, Edward E.
Borton, Robert O.
Brass, Philip D., and Mann.
Briscoe, William F. R., and Berry.
Brown, Robert W.
Buckwalter, Howard M.
Bull, Arthur W.
Carlin, Frank J.
Castricum, Martin.
Clayton, Alfred B., and Hale.
Cowgill, William W.
Crawford, William B.
Curtiss, Nathaniel H.
Cuthbertson, George R., Buckwalter, and Da
Eckert, Charles F.
Eger, Ernst.
Elkins, Frank S.
Fisk, Charles F.
Fisk, Charles F., and Meyer.
Foster, Boutwell H.
Gerke, Roscoe H.
Gibbons, Willis A., and Rhodes.
Glenn, Harry D.
Glenn, Harry D., and Mankowich.
Glenn, Harry D., and Meuser.
Gregg, Robert A.
Hiatt, Herbert D., McCord, and Peterson.
Hinman, Dorr J.
Hodgkins, Hollis C.
Hoffman, John J.
Howland, Louis H., and Chambers.
Hugger, Richard H.
Hunter, Byron A.
Hunter, Byron A., and Glenn.
Ingham, George A.
Kiley, Lewis Y.
Kulka, Marshall, and Warren.
Ladd, Elbert C.
Ladd, Elbert C., and Harvey.
Ladd, Elbert C., and Sargent.
Linhorst, Erwin F.
Little, Julian R.
Lo Presti, Charles C.
Lubenow, Lewis W.
Lynch, James F.
Mankowich, Ivan.
Miller, Herman C.
Nelb, Robert G.
Newby, Thomas H.
O'Brien, George E., Bornmann, and Smith.
Paul, Philip T., and Anderson.
Polleys, Herbert R.
Porter, Finley R., Jr.
Reheiser, Joseph F.
Rhodes, Thomas J., and Neville.
Shinkle, Seaphes D.
Slovin, David G.
Smiley, Yale H.
Steinle, William A.
Streed, David D. M., and Broadhurst.
Sundholm, Norman K.
Tawney, Pliny O.
Tewksbury, Lyndon B., Jr., and Heikkila.
Uhlig, Edwin C., and Murray.
Van Riper, Elmer, and Frey.
Wallace, Edward H.
Warren, John C. R., and Kulka.
Wikle, George F., and Todd.
Williams, George M.
Yurgen, William J.
U. S. Rubber Reclaiming Co. Inc., assignee: *See*
Elgin, Joseph C., and Sverdrup.
Sverdrup, Edward F.
U. S. Slicing Machine Company, Inc., assignee
Kiingens, Cornelis.
Van Duyn, Adrianus.
United States Smelting Refining and Mining assignee: *See*—
Mathers, Frank C., and Lantz.
United States Spring & Bumper Co., Inc., assign
Hendrickson, Niels E.
United States Steel Corporation, assignee: *See*—
Abbett, William A., Jr., and Diaz.
Aller, T. Dwight, and Noll.
Andrews, John W.
Bannister, Bryant.
Bateman, Robert N.
Beebe, Gerald T., and Priest.
Bills, Max E.
Bishop, Charles A., and Reed.
Black, Edward T.
Brickman, Alan E.
Brown, Darwyn I.
Camp, James B.
Campbell, Louis T.

United States Steel Corporation, assignee: *See*—Continued.
Carroll, Kenneth G., and Miller.
Clyde, John A.
Coleman, William E.
Dearing, Edmund R.
Demmon, Harvey, and Houk.
Dodson, Jaydee I.
Dorsey, Roland L.
Dunn, Jerry J., and Clinedinst.
Elwood, Julius G.
Feick, Daniel E.
Feick, Daniel E., and Howell.
Fenstermaker, Lloyd H.
Findlater, Stevenson.
Foner, Newton F.
Fons, Silas C., and Kramer.
Friedl, Anton J.
Friedl, Anton J., and Shipley.
Haddad, George J., and Wells.
Hartney, James L.
Hayes, Loren A., and Swancott.
Hugo, Victor J., Miller, and Ottinger.
Hull, Charles B., and Keller.
Johnston, Earl W.
Keammerer, Roy P.
Kelso, John W.
Kennedy, Truman H.
Kennedy, Truman H., and Webb.
Kiefer, John M., Jr.
Kirchner, George J.
Kochaver, Theodore J.
Lane, John R.
Lanstrom, Carl T., and Leaver.
Lorig, Edwin T.
Maier, August R.
Marburg, Edgar.
Martin, Henry K
McConaghey, Philip H.
McNamee, Owen A.
McNutt, John W.
Michalowski, William.
Montgomery, William G.
Morrison, James J.
Muller, Herman E., Sr.
Neish, Richard A.
Orr, Howard S.
Orr, Howard S., and Teplitz.
Pakkala, Matti H., and Phillips.
Partridge, Lawrence R.
Rendel, George H.
Revak, Daniel, and Riedel.
Rhodes, Thomas J.
Rice, Donald E.
Robinson, James E.
Schauwecker, Karl F.
Schulze, Arthur R.
Shannon, Harry F.
Stanley, John C.
Stevenson, Edward E.
Stewart, Robert G., Sr.
Stone, Joseph K., Jr.
Strachan, Alexander W.
Vickroy, George S.
Von Hofen, Earl W., and Whitney.
Walter, William F., Jr., and Wysor.
Watson, Coleman H.
Webb, Samuel.
Weber, Gilbert W.
Werner, Alfred H.
Whittaker, James E.
Wickson, Walter H.
Willis, Ralph F.
Wingenroth, Roy L.
United States Stonewear Company, The, assignee: *See*—
Leva, Max.
U. S. Thermo Control Co., The, assignee: *See*—
Jones, Frederick M.
U. S. Tool Company, Inc., assignee: *See*—
Grimm, Eric.
U. S. Universal Joints Company, assignee: *See*—
Guy, Frederick M.
Saurer, Curt, and Guy.
U. S. Vitamin Corporation, assignee: *See*—
Funk, Casimir, and Merritt.
Unitubo S. A., assignee: *See*—
Strahm, André, and Quinche.
Universal Atlas Cement Company, assignee: *See*—
Boris, Matthew J., and Ludwig.
Universal Business Forms, Inc., assignee: *See*—
Shepherd, James C.
Universal Drafting Machine Corporation, assignee: *See*—
Little, Charles H.
Universal Engine Heater Company, assignee: *See*—
Merritt, Jack A.
Universal Lubricating Systems, Inc., assignee: *See*—
Farrell, Richard R.
Staley, Austin L.
Universal Manufacturing Corp., assignee: *See*—
Kirkpatrick, John A.
Moyer, Oscar E.
North, Thomas C.
Universal Match Corporation, assignee: *See*—
Ellern, Herbert.
Esposito, George.
Karty, Julius L., and Lief.
Universal Milking Machine Division, assignee: *See*—
Wons, Herman A.
Universal Moulded Products Corporation, assignee: *See*—
Nebesar, Robert J.
Universal Oil Products Company, assignee: *See*—
Appell, Herbert R.
Barnes, Marion W.
Berger, Charles V.
Berger, Charles V., and Haensel.
Berger, Charles V., and Hansen.
Bergman, Donald J.
Bielawski, Mitchell S., and Mavity.
Bloch, Herman S.
Bloch, Herman S., and Hoffman.
Bloch, Herman S., and Mammen.
Chenicek, Joseph A.
Covert, Benjamin L., and Dahlquist.
Cox, Maurice W.
De Rosset, Armand J.
Fenske, Ellsworth R.
Gantt, James E.
Geiser, Edward M.
Gaydasch, Alexander.
Gerhold, Clarence G.
Grunewald, Glen R., and Pierce.
Haensel, Vladimir.
Haensel, Vladimir, and Gerald
Haensel, Vladimir, and Gerhold.
Haensel, Vladimir, and Schmerling.
Hartwig, Karl T.
Hartwig, Karl T., and Watkins.
Haufe, Ted B., and Iverson.
Hoekstra, James.
Hoffman, Alfred E.
Ipatieff, Vladimir N., and Pines.
Johnstone, Warren W.
Kassel, Louis S.
Leffer, Frederick W.
Linn, Carl B.
Linn, Carl B., and Hervert.
Mavity, Julian M.
Nebeck, Howard J.
Pines, Herman.
Pines, Herman, and Ipatieff.
Pines, Herman, and Vesely.
Rosenwald, Robert H.
Schmerling, Louis.
Thompson, Ralph B.
Thompson, Ralph B., and Bloch.
Thompson, Ralph B., and Chenicek.
Wackler, Richard C., and Linn.
Wankat, Charles, and Titus.
Universal Paper Bag Co., assignee: *See*—
Bennett, Richard F.
Universal Products Company, Inc., assignee: *See*—
Dunn, George E.
Universal Railway Devices Co., assignee: *See*—
Wilson, Jack.
Universal Steel Equipment Corporation, assignee: *See*—
Rosenberg, Philip.
Universal Vice & Tool Company, assignee: *See*—
Klavon, Theodore M.
Universal Winding Company, assignee: *See*—
Bolly, Norman E.
Fiorino, Pasquale.
Goodhue, William V., and Morton.
Goodhue, William V., and Wormser.
Soussloff, Dimitri G.
Soussloff, Dimitri G., and White.
Soussloff, Dimitri G., White, and Hilbert.
Tata, Raymond V.
Universal Window Co., assignee: *See*—
Wiley, Esmond F.
Universal Wire Spring Company, The, assignee: *See*—
Bielak, Frank A., and Neely.
Blumensaadt, Svend G.
Blumensaadt, Svend G., Gutzman, and Neely.
Lincoln, John C.
Neely, William H.
Neely, William H., Sandor, and Smith.
Neely, William H., and Smith.
Universal Wood Heel Co., assignee: *See*—
Butler, Edmund C.
University Loudspeakers, Inc., assignee: *See*—
Levy, Sidney E., and Cohen.
University of California, The Regents of the, assignee: *See*—
De Garmo, Ernest P.
Dunn, Rayburn W.
Hurlbut, Franklin B.
Powers, John B.
Rapoport, Henry.
University of Michigan, Regents of the, assignee: *See*—
Blicke, Frederick F.
University of Minnesota, Regents of the, assignee: *See*—
Gisvold, Ole.
Lundberg, Walter O.
University of Oklahoma Research Institute, assignee: *See*—
Burwell, Albert L.

University of Pennsylvania, Trustees of the, assignee: *See*—
Tompkins, Howard E.
University of Tennessee Research Corporation, The, assignee: *See*—
Puster, Louis M.
University of Texas, The Board of Regents of The, assignee: *See*—
Schoch, Eugene P.
Unk, Jacob M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Overload release coupling and control operated thereby. 2,659,469, Nov. 17.
Unk, Jacob M., N. Scheffer, and B. M. Pennekamp, Hilversum, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Mechanically driven selector switch. 2,662,936, Dec. 15.
Unsinger AP Corporation, assignee: *See*—
Unsinger, Philip H.
Unsinger, Philip H., assignor to Unsinger AP Corporation, Fremont, Ohio. Chisel type blade for carving tools. 2,634,775, Apr. 14.
Unsinger, Philip H., Fremont, Ohio, assignor, by mesne assignments, to R. Hicks, Lexington, Ky. Knife construction having a sliding blade. 2,662,284, Dec. 15.
Unterman, Manuel, Far Rockaway, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Control valve for hydraulic systems. 2,664,105, Dec. 29.
Untermann, Walter, Frankfurt am Main, K. Sondermann, Sprendlingen Kreis Offenbach, and A. Milbers, assignors to Metallgesellschaft Aktiengesellschaft, Frankfurt am Main, Germany. Distillation method and apparatus. 2,658,029, Nov. 3.
Unterweiser, Paul M., New York, N. Y. Indicating device for typewriters and the like. 2,633,969, Apr. 7.
Updegraff, David M., and G. B. Wren, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Secondary recovery of petroleum oil by desulfovibrio. 2,660,550, Nov. 24.
Updegrove, Lawrence F., Alice, Tex. Fishing line sinker. 2,644,266, July 7.
Upham, Sidney D.: *See*—
Weidenheimer, Joseph F., Reed, Ritter, and Upham.
Uphoff, Ralph E., Madison, Wis. Sealing means for door bottoms. 2,663,057, Dec. 22.
Upjohn Company, The, assignee: *See*—
Cookson, Leonard T.
Ericks, Walter P.
Ford, Jared H.
Ford, Jared H., and Jackson.
Greiner, John W., Hanze, Kline, Richmond, and Bedell.
Haines, William J., and Colingsworth.
Haines, William J., and Kuizenga.
Hanson, Frederick R., and Eble.
Hanze, Arthur R.
Haynes, Thomas A.
Heinzelmann, Richard V.
Heyl, Frederick W., and Herr.
Hogg, John A.
Hogg, John A., Korman, Reid, and Nathan.
Hogg, John A., Lyttle, and Nathan.
Hogg, John A., Reid, and Nathan.
Holysz, Roman P., Jr., and Campbell.
Ingle, Dwight J.
Korman, Jerome, Reid, Nathan, and Hogg.
Levin, Robert H., and McIntosh.
Levin, Robert H., McIntosh, and Centolella.
Levin, Robert H., McIntosh, and Spero.
Mariatt, Paul E., Hanze, McIntosh, and Levin.
Murray, Herbert C., and Peterson.
Nathan, Alan H.
Ott, Arnold C., and Murray.
Schmitt, John A.
Schneider, William P.
Slomp, George, Jr.
Wachtel, Louis W., and Meyer.
Weisblat, David I., and Fairburn.
Weisblat, David I., and Hanze.
Weisblat, David I., Hanze, Magerlein, Myers, and Rolfson.
Weisblat, David I., and Lyttle.
Weisblat, David I., and Magerlein.
Weisblat, David I., Magerlein, Myers, Rolfson, and Hanze.
Weisblat, David I., Magerlein, and Rolfson.
White, John L.
Woodruff, Eugene H.
Wright, John B., and Lincoln.
Upson Company, The, assignee: *See*—
Ericks, Walter P.
Upson, Walter L., Litchfield, Conn. Hoe. 2,662,461, Dec. 15.
Upton, Charles B., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Flake removal for solvent extraction towers. 2,641,536, June 9.
Upton, Edward J., Spondon, near Derby, England, assignor to British Celanese Limited. Extrusion of filament-forming materials. 2,657,427, Nov. 3.
Upton, Edward J., Spondon, near Derby, England, assignor to British Celanese Limited. Extrusion of filament-forming materials. 2,657,428, Nov. 3.
Upton, Edward J., Spondon, near Derby, England, assignor to British Celanese Limited. Feeding of ... 2,657,430, Nov. 3.
Upton, Lee O., Sturbridge, assignor to Americ... Company, Southbridge, Mass. Glass inductio... 2,635,125, Apr. 14.
Upton, Wilson V., assignor to National Stareb... Inc., New York, N. Y. Copolymers of vin... with derivatives of alpha, beta-unsaturated d... acids. 2,637,712, May 5.
Uraneck, Carl A., Borger, Tex., and R. J. Goert... ville, Okla., assignors to Phillips Petroleum... Emulsion polymerization of vinylidene compo... presence of hydrazine-polyaminecarbamate co... 2,629,708, Feb. 24.
Uraneck, Carl A., and A. C. Rothlisberger, Bo... assignors to Phillips Petroleum Company. ... polymerization of vinylidene compounds in t... of carbamates of polyamines. 2,629,709, Feb...
Uraneck, Carl A., Borger, Tex., and S. H. La... water, Okla., assignors to Phillips Petroleum... Treatment of rosin sops, and use of resultin... emulsion polymerization. 2,630,426, Mar. ...
Urbach, Franz, assignor to Eastman Kodak ... Rochester, N. Y. Thermal radiography using ... 2,642,538, June 16.
Urbain, Leon F., Chicago, Ill. Blackboard ... structure. 2,651,852, Sept. 15.
Urban, Frank J., assignor to Magic Hanger, In... Ohio. Skirt and trousers hanger. 2,644,62...
Urban, Howard S., Brooklyn, N. Y. Mobile cot. ... Feb. 17.
Urban, Jack C.: *See*—
Sherwood, Robert C., Cunningham, Walg... Urban.
Urban, Richard S., assignor to Rohm & Haas ... Philadelphia, Pa. Preparing dimethoxy... 2,658,082, Nov. 3.
Urban, Richard S., assignor to Rohm & Haas ... Philadelphia, Pa. Preparing dimethoxy... 2,658,922, Nov. 10.
Urban, Stephen F., Kenmore, and W. B. ... Niagara Falls, assignors to National Lead ... New York, N. Y. Water repellence fixative ... 2,641,558, June 9.
Urbano, Faustino B., Jamaica, N. Y. Combi... opener and closure. 2,649,989, Aug. 25.
Urbano, Joseph V., Newark, N. J. Clamp and... mechanism therefor for setting adhesively ... ings to clutch plates. 2,638,144, May 12.
Urbschat, Ewald, Koln-Mulhiem, assignor ... fabriken Bayer Aktiengesellschaft, Leverk... many. Organic arsenical compounds. 2,64... 30.
U'Ren, Dwight E., Beaver Dam, Wis. Scutc... ratus. 2,652,598, Sept. 22.
Uriell, Cecil W., San Jose, Calif. Air float jog... 2,626,801, Jan. 27.
Urquhart, Donald A.: *See*—
Squibb, George R., and Urquhart.
Urquhart, Kenneth M., New York, N. Y. Ap... remote control of outboard motors. 2,624,2...
Urquhart, Norman J., Scenery Hill, Pa., and ... Bridgeport, W. Va., assignors to Combustion ... Company, Pittsburgh, Pa. Reducing ir... 2,654,669, Oct. 6.
Urschel, Joe R., Valparaiso, Ind. Machine fo... green corn from the cob. 2,642,068, June 1...
Urschel, Joe R., Valparaiso, Ind. Sectionalizi... for extrudable cuttable material. 2,658,542...
Urso, Ralph F., Grosse Pointe, A. W. Gardes, ... E. L. Carleton, Wyandotte, assignors to M... poration, Detroit, Mich. Indicating ch... 2,638,582, May 12.
Ursprung, Rudolf A., Aarburg, assignor to A... schaft vormals B. Siegfried, Zofingen, S... p-Amino-salicylic acid derivatives and their ... 2,653,157, Sept. 22.
Urteaga, Jaime, Santiago, Chile. Photoelect... of electric circuits. 2,624,787, Jan. 6.
Urtel, Rudolf, Pforzheim, Germany, assignor ... national Standard Electric Corporation, New ... Method and means for generating impuls... keying ratio. 2,660,672, Nov. 24.
Uschkamp, Walter, Frankfurt-am-Main-Hochst... Luminous clock with neon-illumination o... hands. 2,655,783, Oct. 20.
Uses, Edwin F.: *See*—
Parker, Benjamin H., and Uses.
Ushakoff, Alexis E., Beverly, assignor to Se... Cambridge, Mass. Apparatus for mold... 2,648,079, Aug. 11.
Usher, Francis M. C., Hickman, Ky. Fish lure. ... Mar. 24.
Usher, Ulysses G., Springfield, Ill. Wire fenc... 2,646,963, July 28.
Usselman, George L., Port Jefferson, N. Y., ... Radio Corporation of America. Degenerative ... amplifier circuit. 2,658,957, Nov. 10.
Ussery, Paul M., Snyder, Tex. Power drill. ... 2,631,822, Mar. 17.
Ustin, George, Palisades Park, N. J., assign... tinental Copper & Steel Industries, Inc., New... Rocket connector assembly. 2,632,788, Mar...

Utah Oil Refining Company, assignee: *See*—
Monahan, Thomas P.
Utah Scientific Research Foundation, assignee: *See*—
Hardman, James A.
Uthemann, Wolfgang: *See*—
Kampf, Friedrich, and Uthemann.
Pines, Herman, and Spatieff.
Uthurriague, Juan B., Buenos Aires, Argentina. Loose-leaf binder. 2,641,261, June 9.
Utica Drop Forge & Tool Corporation, assignee: *See*—
Barnes, William A.
Chappel, Eugene.
Mahardy, Edward M.
Utility Tool Company, Inc., assignee: *See*—
Towse, Roy S.
Utter, Joseph L.: *See*—
Harford, Charles G., Kreidl, and Utter.
Uttley, Albert M., Great Malvern, S. W. Noble, Upper Colwall, L. H. Bannister, Great Malvern, and G. Ord, Stockton-on-Tees, assignors to National Research Development Corporation, London, England. Electronic valve circuits. 2,651,717, Sept. 8.
Utz, Chester C., Detroit, and J. E. Collier, assignors to Chrysler Corporation, Highland Park, Mich. Individual suspension mounting for driven wheels. 2,631,681, Mar. 17.
Utz, Georg, Zurich, Switzerland. Device adapted to be secured to sewing machines for the production of zigzag seams. 2,652,015, Sept. 15.
Utz, Wade H.: *See*—
Lewis, Warren J., and Utz.
Uxbridge Worsted Company, Inc., assignee: *See*—
Cabana, Wilfred J.
V-M Corporation, assignee: *See*—
Morrison, James L. D.
V-Seal Corporation, assignee: *See*—
Landry, Arthur B., and Martin.
Vacanti, Anthony C., Dunkirk, N. Y. Stacked rack structure. 2,630,924, Mar. 10.
Vacanti, Michael C., Irondequoit, and C. Granata, Canandaigua, assignors to Germanow-Simon Machine Co., Inc., Rochester, N. Y. Combined rearview mirror and thermometer for motor vehicles. 2,638,785, May 19.
Vaccari, Archie J. and N. M., Clairton, Pa. Safety belt for children. 2,649,236, Aug. 18.
Vaccari, Natalina M.: *See*—
Vaccari, Archie J. and N. M.
Vacká̌ř, Jiří, assignor of one-half to Tesla, National Corporation, Prague, Czechoslovakia. Wattmeter for electric high-frequency currents. 2,648,048, Aug. 4.
Václavík, Jaroslav, Gottwaldov I, and M. Kopřiva, Gottwaldov II, assignors to Svit, národní podnik, Gottwaldov, Czechoslovakia. Apparatus for the manufacture of stockings in a single working process. 2,648,960, Aug. 18.
Vaco Products Company, assignee: *See*—
Rock, George L.
Vacquier, Victor V.: *See*—
Wu, William I. L., and Vacquier.
Vacuum Can Company, assignee: *See*—
Becker, Glenn C.
Vacuum Concrete, Inc., assignee: *See*—
Billner, Karl P.
Vadolt Trust, assignee: *See*—
Doelter, Gandolph C.
Vahey, Llewellyn, Birmingham, and C. H. J. V. Phillips, Solihull, near Birmingham, England. Pneumatic separator or classifier. 2,634,858, Apr. 14.
Vahey, Stanley C., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Crossbeam attachment for automobiles. 2,636,750, Apr. 28.
Vahey, Stanley C., Detroit, and H. G. Kain, Grosse Pointe, Mich., assignors to The Budd Company, Philadelphia, Pa. Crossbeam and accessory attachment to automobile structures. 2,636,749, Apr. 28.
Vähl, László, Muiderberg, assignor to Werkspoor N. V., Amsterdam, Netherlands. Crystallizing sodium carbonate. 2,642,342, June 16.
Vahle, Raymond, Tappan, assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Carton feeding machine. 2,642,196, June 16.
Vahlteich, Hans W.: *See*—
Melnick, Daniel, Gooding, and Vahlteich.
Vahlteich, Hans W., Englewood, N. J., C. M. Gooding, Staten Island, N. Y., and D. Melnick, Teaneck, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soya-bean oil and producing the same. 2,627,468, Feb. 3.
Vala, George F., Chevy Chase, Md., and G. F. Couch, Buffalo, assignors to The Symington-Gould Corporation, Depew, N. Y. Cushioning mechanism. 2,650,087, Aug. 25.
Vail Manufacturing Company, assignee: *See*—
Nyberg, Curt E.
Vail, Walter J. and R. B., Demerath, Dugin, and Nyberg.
Vail, Richard B.: *See*—
Vail, Walter J. and R. B., Demerath, Dugin, and Nyberg.
Vail, Walter J. and R. B., L. Demerath, L. J. Dugin, and C. E. Nyberg, assignors to Vail Manufacturing Company, Chicago, Ill. Desk stapler. 2,651,034, Sept. 8.
Vaillancourt, Elzear J., Easton, Pa. Insect repellent attachment for screen doors. 2,629,628, Feb. 24.
Vaillancourt, Eugene J., Fitchburg, Mass. Artificial denture and manufacture. 2,640,265, June 2.
Vaillant, Johann, Kommanditgesellschaft, assignee: *See*—
Brümmerhoff, Walter.
Vaisey, Harold C.: *See*—
Whitehouse, John R., and Vaisey.
Vaisey, Harold C., and J. R. Whitehouse, assignors to Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckle. 2,634,484, Apr. 14.
Vaisey, Samuel J., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Detachable key ring. 2,640,237, June 2.
Vakassian, Harry S., New York, N. Y. Sofa and double bed combination. 2,639,441, May 26.
Vaksvik, Adrian J.: *See*—
Arisman, Mervin B., Vaksvik, and Magnusen.
Vaksvik, Adrian J., Elkhart, Ind., assignor to Chicago Telephone Supply Corporation. Sequential double contact switch. 2,646,484, July 21.
Vaksvik, Adrian J., assignor to Chicago Telephone Supply Corporation, Elkhart, Ind. Snap switch. 2,660,633, Nov. 24.
Valach, Charles F., Berwyn, assignor to American Phenolic Corporation, Chicago, Ill. Antenna structure. 2,641,703, June 9.
Valasek, Karel O., Chicago, Ill. Self-righting and walking pull toy. 2,632,977, Mar. 31.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Means for connecting bracelets to wrist watches. 2,652,612, Sept. 22.
Valdes, Leopoldo B., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor circuit controlling device. 2,655,608, Oct. 13.
Valen, Michael A., assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Sprinkler head. 2,648,570, Aug. 11.
Valencia, Victor C., Lima, Peru. Foot actuated vacuum applicator. 2,649,091, Aug. 18.
Valensi, Georges, Paris, France. Artificial crystal for polarization of electromagnetic waves. 2,643,336, June 23.
Valensi, Jacques, Marseille, assignor of one-half to "Société Anonyme des Forges et Chantiers de la Mediterranée," Paris, France. Chimney stack, especially for land vehicles and ships. 2,659,293, Nov. 17.
Valenta, Joseph, Los Angeles, Calif. Frozen confection package and container therefor. 2,627,472, Feb. 3.
Valenta, Oldřich, Prague, Czechoslovakia. Coupling device for tubular elements. 2,645,509, July 14.
Valenti, Anthony, Rochester, N. Y. Saucer. 2,642,731, June 23.
Valentine, Charles C., Seymour, Tenn. Story pole holder. 2,650,787, Sept. 1.
Valentine, Cortes L., assignee: *See*—
McCreight, Noal L. and J. H.
Valentine, Frank E.: *See*—
Scott, Benjamin B., Greene, and Valentine.
Valentine, Jesse A., Detroit, Mich. Dispensing device. 2,629,614, Feb. 24.
Valentine, Joseph E., Caldwell, N. J. Package for perfume and the like. 2,626,833, Jan. 27.
Valentine, Lois, Berkeley, Calif. Portable folding cot. 2,631,303, Mar. 17.
Valentini, Aldo, Lausanne, and T. Oertli, Zurich, assignors to Techag A. G., Kusnacht-Zurich, Switzerland. Electric grill. 2,644,880, July 7.
Valentini, Luciano, Turin, Italy. Manufacturing leather substitute. 2,637,752, May 5.
Valenza, Joseph M., Houston, Tex. Magnifying attachment for lamp shades. 2,641,965, June 16.
Valeton, Josue J. P.: *See*—
Haantjes, Johan, Valeton, and Schenau.
Valiquet, Albert D., Chicago, Ill., assignor to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa. Apparatus for wrapping flexible bands. 2,624,166, Jan. 6.
Vallte Corporation, assignee: *See*—
McElhinney, Thomas R., and Woodruff.
Valko, Emery I.: *See*—
Du Bois, Adrien S., and Valko.
Valko, Emery I., Mountain Lakes, N. J., and J. Kamlet, assignors to E. F. Drew & Co., Inc., New York, N. Y. Antifoam material. 2,635,079, Apr. 14.
Vallen, Earl J., Akron, Ohio. Curtain carrier designed to operate on curved track. 2,658,572, Nov. 10.
Valley, Emil P., Chicago, Ill. Adjustable tension backstop for Miehle vertical printing presses. 2,659,599, Nov. 17.
Valley, George E., Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Recording plan position indicator. 2,637,846, May 5.
Valley Mechanical Co., Inc., assignee: *See*—
Edwards, George S.
Valley Research Corporation, assignee: *See*—
Dalton, Thomas B.
Vallier, Anthony J., Los Angeles, Calif. Crude oil and gas separator. 2,636,570, Apr. 28.
Vallorani, Ben J., Melrose Park, Ill., assignor to General Electric Company. Surface heating unit with improved hinge and ground connection. 2,662,157, Dec. 8.
Vallorani, Ben J., Melrose Park, and C. J. McConnell, Chicago, Ill., assignors to General Electric Company. Heating unit and making the same. 2,662,158, Dec. 8.

Valois, Léon, Sillery, Quebec, Canada. Project-o-graph. 2,636,271, Apr. 28.
Valois, Moore, Napoleonville, La. Power sprayer for chemical herbicides. 2,641,505, June 9.
Valpey, Arthur L., Plymouth, Mich. Toy. 2,651,851, Sept. 15.
Valvano, Ralph A., Los Angeles, Calif. Stud bolt wrench. 2,629,277, Feb. 24.
Valyi, Emerik I., assignee: *See*—
Valyi, Ilsabe E.
Valyi, Emery I., Bronx, assignor to A. R. D. Corporation, New York, N. Y. Automatic timing system. 2,632,508, Mar. 24.
Valyi, Emery I., Bronx, assignor to Shellmold & Machine Co., Inc., New York, N. Y. Mold forming machine. 2,659,945, Nov. 24.
Valyi, Emery I., New York, N. Y. Mold-forming machine. 2,659,944, Nov. 24.
Valyi, Ilsabe E., assignor to E. I. Valyi, New York, N. Y. Replicas for use in the production of refractory molds. 2,628,394, Feb. 17.
Vanadium Corporation of America, assignee: *See*—
Dunn, Holbert E., and Strauss.
Van Aien, De Witt T., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Dew point hygrometer. 2,624,195, Jan. 6.
Van Alstyne, Richard F., Davenport, Iowa. Chimney cap construction. 2,646,743, July 28.
Van Arsdale Corporation, assignee: *See*—
Tenny, Allen R.
Van Arsdell, Prudence M.: *See*—
Alther, Joseph G., and Van Arsdell.
Van Atta, Lester C., Winchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide antenna with bisectional radiator. 2,635,189, Apr. 14.
Van Ausdall, Carl, Liberty, Ind. Sickle shoe and diverter. 2,633,690, Apr. 7.
Van Ausdall, Carl, Liberty, Ind. Tension adjusting means for chain saws or the like. 2,645,254, July 14.
Van Beckum, William G., and A. K. Esterer, assignors to Weyerhaeuser Timber Company, Longview, Wash. Impregnating and laminating fibrous materials with lignin. 2,664,377, Dec. 29.
Van Bemmel, Pieter M., and H. Milborn, Delft, Netherlands, assignors to Shell Development Company, Emeryville, Calif. Method and apparatus for atomizing liquids. 2,661,195, Dec. 1.
Van Bergen, Harmannus T., Greenwood, S. C. Electrically operated carillon. 2,649,826, Aug. 25.
Van Blaricom, Lester O., and J. A. Martin, assignors to The Clemson Agricultural College of South Carolina, Clemson, S. C. Color-stable red pepper composition and producing the same. 2,650,883, Sept. 1.
Van Brode Milling Co., Inc., assignee: *See*—
Brody, David.
Van Bruggen, John T.: *See*—
West, Edward S., and Van Bruggen.
Van Brunt, John, Flushing, N. Y., assignor to Combustion Engineering-Superheater, Inc. Steam generator. 2,628,598, Feb. 17.
Van Brunt, John, Flushing, N. Y., assignor to Combustion Engineering, Inc. Steam generator and superheat-reheat control means therefor. 2,649,079, Aug. 18.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud installation. 2,624,091, Jan. 6.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket assembly. 2,626,441, Jan. 27.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Removable device for clothing and the like. 2,627,098, Feb. 3.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Buckle. 2,642,641, June 23.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Three-side lock snap fastener. 2,644,214, July 7.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket assembly. 2,644,215, July 7.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Removable button member. 2,648,882, Aug. 18.
Van Buren, Harold S., Jr., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Removable button device and installation thereof. 2,654,133, Oct. 6.
Van Buskirk, Ernest M.: *See*—
Pool, Stuart D., and Van Buskirk.
Van Bunl, Everardus W. C., assignor to N. V. Vereenigde Tabaksindustrieen Mignot & De Block, Eindhoven, Netherlands. Device for applying a wrapper to a bunch of cigarillos or cigars. 2,651,306, Sept. 8.
Van Bunl, Everardus W. C., assignor to N. V. Vereenigde Tabaksindustrieën Mignot & De Block, Eindhoven, Netherlands. Device for piling up preformed binder and/or wrapper leaves for cigars, cigarillos, or bunches thereof. 2,654,369, Oct. 6.
Van Camp, Roscoe C.: *See*—
Churchill, Alan W., and Van Camp.
Vance, Arlyn T., Sherman Oaks, Calif. Vane type fluid clutch. 2,627,331, Feb. 3.
Vance, Arthur W., Cranbury, N. J., assignor Corporation of America. Computing device. Dec. 1.
Vance, Frank P., Jr., Bartlesville, Okla., Phillips Petroleum Company. Fractional paratus. 2,632,314, Mar. 24.
Vance, John E.: *See*—
Brown, Ralph L., and Vance.
Gerber, Dale C., and Vance.
Vance, John E., Canton, assignor to The H pany, North Canton, Ohio. Electric switc ductor assembly. 2,633,519, Mar. 31.
Vance, John E., assignor to The Hoover Comp Canton, Ohio. Making flexible hose. 2,641,
Vance, John E., assignor to The Hoover Comp Canton, Ohio. Joint for filter unit for sucti 2,641,486, June 9.
Vance, John E., assignor to The Hoover Comp Canton, Ohio. Lamp cooling device cleaners. 2,649,607, Aug. 26.
Vance, John E., assignor to The Hoover Comp Canton, Ohio. Suction cleaner. 2,661,078,
Vance, John J.: *See*—
Burkhart, Robert L., and Vance.
Vance, Robert L., Springtown, Pa., assignor t phone Laboratories, Incorporated, New Y Photoelectric device. 2,636,128, Apr. 21.
Van Cleef, Paul, Los Angeles, Calif. Tape cut 2,655,214, Oct. 13.
Van Dam, Walter L.: *See*—
Herder, Harry D., and Van Dam.
Vandamme, Pierre L.: *See*—
Léauté, Jean, and Vandamme.
Vandaveer, Roscoe F., assignor to Stanolind Company, Tulsa, Okla. Hydrocarbon 2,626,274, Jan. 20.
Van Degrift, Thomas C., assignor to General poration, Detroit, Mich. Creep testing of hi ture alloys. 2,660,881, Dec. 1.
Van Degrift, Thomas C., Detroit, C. W. Gad Lake, and R. S. Matsen, assignors to Gen Corporation, Detroit, Mich. Combustion ch sure indicator. 2,652,517, Sept. 15.
Van de Lindt, Willem J., Eindhoven, Netherlan to Hartford National Bank and Trust Com ford, Conn., as trustee. Electromagnetic de plitude-modulation of high-frequency 2,645,758, July 14.
Van Dellen, Edward: *See*—
Ball, Richard N., and Van Dellen.
Van De Mark, Ray F.: *See*—
Balch, Theodore H., and Van De Mark.
Vandenberg, Albert F., Denver, Colo. Lamp able reflector unit. 2,654,828, Oct. 6.
Vandenberg, Edwin J., assignor to Hercules P pany, Wilmington, Del. Low-temperatur polymerization of unsaturated organic 2,648,655, Aug. 11.
Vandenberg, Edwin J., assignor to Hercules P pany, Wilmington, Del. Low-temperatur polymerization of unsaturated organic 2,648,656, Aug. 11.
Vandenberg, Edwin J., assignor to Hercules P pany, Wilmington, Del. Emulsion polyme unsaturated organic compounds. 2,648,657,
Vandenberg, Edwin J., assignor to Hercules P pany, Wilmington, Del. Emulsion polyme unsaturated organic compounds. 2,648,658,
Vandenberg, Frank, East Aurora, N. Y., assign inghouse Electric Corporation, East Pitt Control system for cutting apparatus. Oct. 20.
Vanden Bosch, Johan C.: *See*—
Hensgen, Bernard T., and Vanden Bosch.
Vandenbroele, Oscar H.: *See*—
Jennen, Jacob J., and Vandenbroele.
Van den Burg-Geesink, Catharina J., heir: *See* Geesink, Myndert.
Van den Burg, Gijsbertus, heir: *See*—
Geesink, Myndert.
Vandenburgh, Charles D., Charlestown, Md., American Viscose Corporation, Wilmin Loosening rayon yarn packages by simultane and deformation. 2,646,342, July 21.
Vandenburgh, Charles D., Charlestown, Md., Kulp, Marcus Hook, Pa., assignors to Ameri Corporation, Wilmington, Del. Method an for producing viscose. 2,648,661, Aug. 11.
Vanderbilt Associates, assignee: *See*—
Shull, Harrison J.
Vanderbilt, Byron M.: *See*—
Ricards, Harold A., Jr., Vanderbilt, and Young, David W., and Vanderbilt.
Vanderbilt, R. T., Company, Inc., assignee: *S*
Brooks, Lester A.
Karsten, Kenneth S.
Wheeler, Gordon K.
Vanderburg, Harold: *See*—
Dick, James B., and Vanderburg.
Van der Heem, Jan, Voorburg, Netherland nozzle for suction cleaners. 2,624,063, Jan
Van der Heem, Jan, Voorburg, Netherlands vibration damping means for floor polishers. Aug. 18.

Van der Heiden, Arnoldus L., Amersfoort, assignor to Vennootschap onder firma A. G. F. Knopenfabriek, Rhenen, Netherlands. Crown drill and making same. 2,638,021, May 12.

Vanderhoof, Alton S., Maplewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier stack. 2,652,522, Sept. 15.

Vanderhoof, Ferne R., assignee: *See*—
Rumsey, John C.

Van der Horst Corporation of America, assignee: *See*—
Van der Horst, Kuno L.

Van der Horst, Kuno L., Portville, assignor to Van der Horst Corporation of America, Olean, N. Y. Electroplating on aluminum. 2,650,901, Sept. 1.

Vanderkamp, John, West Orange, N. J. Melting point apparatus. 2,658,382, Nov. 10.

Vander Linde, Adrian L.: *See*—
Krueger, Edward C., and Vander Linde.

Vanderlip, Edward G., Radnor, assignor to Piasecki Helicopter Corporation, Morton, Pa. Automatic control for helicopters. 2,650,046, Aug. 25.

Vanderlip, Herbert D.: *See*—
Cole, Earl S., and Vanderlip.

Vanderlippe, Richard A.: *See*—
Ostendorf, Bernard, Jr., and Vanderlippe.

Vanderloop, Norbert A., Forest Junction, Wis. Tractor plow attachment. 2,659,288, Nov. 17.

Vanderlyn, Philip B., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Means for indicating the logarithmic value of a magnitude. 2,662,213, Dec. 8.

Van der Mark, Gerrit and K., assignors to K. van der Mark and Duintjer Wilkens Meihuizen & Co., Veendam, Netherlands. Centrifuge. 2,651,416, Sept. 8.

Van der Mark, Kornelis, assignee: *See*—
Van der Mark, Gerrit and K.

Vandermeer, Myrton L., Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Mirror and light beam wheel checking apparatus and method of correcting for run-out in employing same. 2,641,957, June 16.

Vandermeer, Will, assignor to The Ryan Aeronautical Co., San Diego, Calif. Helicopter rotor control mechanism. 2,663,374, Dec. 22.

Van der Plate, Louis, Paterson, N. J. Control mechanism for milking systems. 2,641,223, June 9.

Van Der Sluys, William, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mounting of plank on swing hangers for railway trucks. 2,625,117, Jan. 13.

Vander Veer, John H.: *See*—
Bassett, Cyrus W., Vander Veer, and Weigele.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Store wall furniture. 2,626,198, Jan. 20.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Bracket. 2,645,444, July 14.

Vanderveld, Anthony, and C. F. Logie, assignors to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Store wall furniture. 2,643,170, June 23.

Vandervieren, Aimé A., assignor to Goodman and Vandervieren Limited, Berkhamsted, England. Staple support for stapling machines. 2,627,601, Feb. 10.

Van der Waals, Joan H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Separation of oxygenated organic compounds. 2,644,006, June 30.

Van der Waals, Joan H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Separation of oxygenated compounds. 2,658,069, Nov. 3.

Vander Wal, Henry J., Grandville, assignor to Wagner Brothers, Inc., Highland Park, Mich. Machine for polishing and buffing articles with abrasive carrying fluids. 2,624,982, Jan. 13.

Vander Wal, Henry J., Grandville, assignor to Wagner Brothers, Inc., Highland Park, Mich. Polishing or buffing composition and using the same. 2,624,988, Jan. 13.

Vanderwall, Clifford C., assignor to Ansul Chemical Company, Marinette, Wis. Nozzle construction. 2,651,372, Sept. 8.

Vanderwerf, Leonard H., New York, N. Y. Method and apparatus for consuming bodies. 2,625,121, Jan. 13.

Vander Wheele, John C., E. C. Britton, and H. C. White, assignors to The Dow Chemical Company, Midland, Mich. Production of diethyl isonitrosomalonate. 2,649,474, Aug. 18.

Van der Willigen, Paul C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric arc welding. 2,643,319, June 23.

Vanderzee, Harry H., Chicago, Ill., assignor to Joy Manufacturing Company. Power supply system for self-propelled vehicles. 2,638,996, May 19.

Vanderzee, Harry H., Grand Rapids, Mich., and R. A. McCallum, Clarendon Hills, Ill., assignors, by mesne assignments, to A M I Incorporated. Phonograph selector system. 2,634,402, Apr. 7.

Van der Ziel, Aldert: *See*—
Knol, Kornelis S., and van der Ziel.

Van De Sampel, Achiel: *See*—
Hedquist, Milton T., Harroun, Mayhew, Van De Sampel, and Whalen.

Van Deventer, Christopher, III, assignor to National Plastics, Inc., Knoxville, Tenn. Pulley bearing seal. 2,625,447, Jan. 13.

Van de Wiel, Alfred, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric circuit. 2,662,209, Dec. 8.

Van Dijck, Charles M. G., Antwerp, Belgium. Foot bath. 2,654,894, Oct. 13.

Van Dijck, Charles M. G., Antwerp, Belgium. Educational device. 2,654,963, Oct. 13.

Van Dijck, Willem J. D., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Self-winding and self-transporting reel. 2,658,256, Nov. 10.

Van Dijck, Willem J. D., The Hague, Netherlands, and B. P. Geyer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Synthetic detergent cakes. 2,653,913, Sept. 29.

Van Dijk, Pieter, Velp, and H. A. Schrenk, Arnhem, Netherlands, assignors to American Enka Corporation, Enka, N. C. Dispersing an immiscible pigment in viscose solution. 2,650,168, Aug. 25.

Van Dolah, Delos B., assignor to Swift & Company, Chicago, Ill. Poultry shackle. 2,632,201, Mar. 24.

Van Dolah, Delos B., assignor to Swift & Company, Chicago, Ill. Poultry processing method. 2,663,049, Dec. 22.

Van Doorn, Willem, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Alternating current rectifying installation. 2,662,199, Dec. 8.

Van Doran, Horace B., assignor to The Fafnir Bearing Company, New Britain, Conn. Air gauge. 2,636,380, Apr. 28.

Van Doren, William L., Wenatchee, Wash. Chain conveyer. 2,652,143, Sept. 15.

Van Dorn, Horace B., assignor to The Fafnir Bearing Company, New Britain, Conn. Radial-play gauge. 2,636,379, Apr. 28.

Van Dorn Iron Works Company, The, assignee: *See*—
Jones, Lawrence C., and Shirley.

Van Dornick, Edward M., Huntington, N. Y. Washing machine. 2,635,447, Apr. 21.

Van Dorp, David A.: *See*—
Arens, Josef F., and van Dorp.

Van Dresser Specialty Corporation, assignee: *See*—
Shockey, Newton E., and Wilkins.

Van Dusen, Charles H., Jr., Willoughby, Ohio, and O. E. Weissenborn, Verona, N. J., assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Composition for a planographic image-forming pencil. 2,634,214, Apr. 7.

Van Dusen Engineering Company, assignee: *See*—
Van Dusen, Laurence W.

Van Dusen, James P., Richmond, Va. Roll stand for flying splices. 2,651,474, Sept. 8.

Van Dusen, Laurence W., assignor to Van Dusen Engineering Company, Escondido, Calif. Vacuum fixture. 2,634,076, Apr. 7.

Van Dusen, Laurence W., assignor to Van Dusen Engineering Company, Escondido, Calif. Vacuum attachment fixture. 2,634,077, Apr. 7.

Van Duser, Clyde E., assignee: *See*—
Hoenecke, Walter J.

Van Duuren, Hendrik C. A., Wassenaar, assignor to Staatsbedrijf der Posterijen, Telegrafie en Telefonie, The Hague, Netherlands. Telegraph signal regenerator apparatus. 2,658,944, Nov. 10.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Optical viewing and projecting computing weighing scale. 2,638,813, May 19.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Fluid pressure operated locking device for registering apparatus of weighing scales. 2,639,136, May 19.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Control device for the recording mechanism of weighing apparatus. 2,654,596, Oct. 6.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Over and underweight scale. 2,661,202, Dec. 1.

Van Dyk & Company, Inc., assignee: *See*—
Schreiber, Albert A.

Van Dyk, John C., Bernardsville, assignor, by mesne assignments, to H. E. and L. P. St. John, Mendham, N. J. Alkaline treating method for obtaining ramie and other fibers. 2,651,571, Sept. 8.

Van Dyke, William, Averill Park, N. Y. Shaft tightener insert. 2,642,321, June 16.

Van Endert, Fritz: *See*—
Lindemann, Waldemar, and Van Endert.

Van Eps, George, Burbank, Calif. Guitar damper. 2,628,524, Feb. 17.

Van Fossen, Paul: *See*—
Fuller, Mack F., and Van Fossen.

Vang, Alfred, Carmel, Calif. Electric hammer. 2,628,319, Feb. 10.

Van Gastle, Grant L., deceased, late of Columbus, Ohio, by S. A. Van Gastle, administratrix, assignor to S. A. Van Gastle, Columbus, Ohio. Automatic starter-energizing circuit for automotive vehicles. 2,648,016, Aug. 4.

Van Gastle, Shirley A., administratrix, assignee: *See*—
Van Gastle, Grant L.

Van Gelder, Gozewijn: *See*—
Vervest, Wilhelmus L., and van Gelder.

Van Gelder, Zeger: *See*—
Six, Willem, Jonker, and Van Gelder.

Van Gessel, Karel M., Scarsdale, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Electrical insulator. 2,638,660, May 19.

Van Gilder, Carll F., Roselle, N. J., assignor to Standard Oil Development Company. Purifying synthetic resins. 2,636,016, Apr. 21.

Van Gilder, Carll F., Roselle, and W. C. Harney, Elizabeth, N. J., assignors to Standard Oil Development Company. Solutions of rubbery polymers from particles of uniform diameter. 2,628,203, Feb. 10.

Van Gorder, Norman: *See*—
Paist, Walter D., and Van Gorder.

Van Guilder, Ernest L., Granville, N. Y. Coupling and fastening means for tool shanks and handles. 2,653,030, Sept. 22.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Portable beater attachment for household food mixers. 2,632,635, Mar. 24.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Oil dropper with bracket for attachment to food mixers. 2,650,741, Sept. 1.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Combination cake pan and support. 2,661,679, Dec. 8.

Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Food mixer casing. 2,662,421, Dec. 15.

Van Gundy, Joseph F., Emporia, Kans. Pipe tool. 2,659,975, Nov. 24.

Van Hanften, Egbert, Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Mainspring dynamometer. 2,655,039, Oct. 13.

Van Haandel, Adrianus, deceased, by J. H. van Haandel, legal representative, assignor to Nedschroef Octrooi Maatschappij N. V., Helmond, Netherlands. Safety mechanism for uncoupling a shaft from the driving member of a machine. 2,656,906, Oct. 27.

Van Haandel, Johannes H., legal representative: *See*—
Van Haandel, Adrianus.

Van Haften, Lester W., and G. D. Hanby, assignors to Walgreen Co., Chicago, Ill. Combination drinking glass and dish holder. 2,657,891, Nov. 3.

Van Ham, Ernest E., assignor to Jerguson Gage & Valve Company, Somerville, Mass. Direct reading gauge for cold fluids. 2,633,023, Mar. 31.

Van Hartesveldt, Carroll H., Cleveland, Ohio. Toy flying saucer. 2,659,178, Nov. 17.

Van Heeckeren, Willem J., Eindhoven, Netherlands, and P. H. Clay, deceased, Eindhoven, Netherlands, by J. D. Heijligers, administrator, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Method and system for braking hot-gas piston engines and for utilizing heat generated thereby in operation thereof. 2,643,509, June 30.

Van Heiningen, Jan, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Drilling fluid composition. 2,644,791, July 7.

Van Hise, Lester E., Los Angeles, Calif. Dishrack. 2,646,809, July 28.

Van Hise, Lester E., Los Angeles, Calif. Dishwasher. 2,652,844, Sept. 22.

Van Hoesen, Harold E.: *See*—
Backer, Philip C., and Van Hoesen.

Van Hofweegen, Johannes M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for frequency modulation of a local-oscillator oscillation. 2,662,215, Dec. 8.

Van Hook, Charles F, Paterson, N. J. Reel stand. 2,624,522, Jan. 6.

Van Horn, Earl, Mineola, N. Y. Roller skate having detachable roller assembly. 2,664,295, Dec. 29.

Van Horn, John C., Midland, E. O. Ohlmann, Bay City, J. D. Klinger, Detroit, and J. H. Wright, Berkley, said Van Horn and said Ohlmann assignors to The Dow Chemical Company, Midland, Mich. Hydraulic fluid containing poly-(oxyethyleneoxy-1,2 propylene)ethers of glycerol. 2,657,181, Oct. 27.

Van Horne, William L.: *See*—
Bauer, La Verne N., Neher, and Van Horne.

Van Huffel, Isadore J., assignor to Van Huffel Tube Corporation, Warren, Ohio. Straightening apparatus. 2,642,115, June 16.

Van Huffel Tube Corporation, assignee: *See*—
Van Huffel, Isadore J.

Vani, James, and A. J. Malpede, Chicago, Ill., assignors to Washmobile Corporation, Beverly Hills, Calif. Car washing apparatus of the liquid-spray type. 2,648,342, Aug. 11.

Vanity Corset Company, Inc., assignee: *See*—
Greco, Ralph.

Vanity Fair Mills, Inc., assignee: *See*—
Adam, Joseph B.
Bellini, Eugene.

Van Kinkle, Edward, Flint, Mich. Golf game and apparatus. 2,641,932, June 16.

Van Kinkle, Edward, Flint, Mich. Golf game and device. 2,641,933, June 16.

Van Lahr, Leo E., Cincinnati, Ohio. Coin collec play device. 2,629,546, Feb. 24.

Van Liempt, Johannes A. M., Eindhoven, Netherl signor to Corporacion de Ventas de Salitre y Chile, Valparaiso, Chile. Flashlamp. 2,637,18

Van Loo, William R.: *See*—
Davis, Robert L., and Van Loo.

Van Loon, Herbert A., Bishop, assignor of on D. R. Smith, Altadena, Calif. Molding mac molding. 2,663,063, Dec. 22.

Van Meter, James A., assignor of one-third to W Meter, Van Nuys, Calif. Mailbox indicator. 2 Oct. 6.

Van Meter, William C., assignee: *See*—
Van Meter, James A.

Van Mierlo, Stanislas: *See*—
Deloraine, Edmond M., Van Mierlo, and Derj

Van Mierlo, Stanislas, Antwerp, Belgium, and javitch, Paris, France, assignors to Internation ard Electric Corporation, New York, N. Y. P tronic switching system. 2,638,505, May 12.

Vann, Fred, assignee: *See*—
Morgan, Rubie F.

Vann, James O., Arlington, Mass., assignor to th States of America as represented by the Sec the Air Force. Time delayed ground probe 2,662,707, Dec. 15.

Vannah, William E., assignor to The Foxboro Foxboro, Mass. Pressure indicating pneuma mission system. 2,658,392, Nov. 10.

Vannas, Mauno V., Helsinki, Finland. Ophtha 2,633,122, Mar. 31.

Vannatta, Russell E., Cincinnati, Ohio. Device verting one form of rotary motion into anothe rotary motion. 2,650,505, Sept. 1.

Van Ness, Hubert W. *See*—
Hartwig, Edward C., and Van Ness.

Van Ness, La Verne, assignor to Armour and Chicago, Ill. Preparing cholesterol. 2,648,687

Van Ness, Marvin L., Welsh, La. Packing gland ment device. 2,636,788, Apr. 28.

Van Nest, Francis H., Marblehead, Mass., assign eral Electric Company. Valve with stem se rangement. 2,657,005, Oct. 27.

Vanni, Pier G., Milan, Italy, assignor to Robe G. m. b. H., Stuttgart, Germany. Pneumatic for compression ignition engines. 2,642,855,

Van Norden, Ottomar H., New York, N. Y., as Metakloth Company, Lodi, N. J. Preparing cloth. 2,631,110, Mar. 10.

Van Norman Company, assignee: *See*—
Allen, Edward A., and Healy.
Taylor, Edward C.

Van Orden, Clarence H., Newark, N. J. Reflec ray screen system. 2,625,852, Jan. 20.

Van Ormer, David D., Lancaster, Pa., assignor Corporation of America. Ion trap gun. Dec. 1.

Van Ornum, Wesley H., Chicago, Ill., assignor to Corporation. Electron gun for cathode-ra 2,627,585, Feb. 3.

Van Osselen-Clay, Petronella, heir: *See*—
Clay, Pieter H.

Van Over, Harlan C., Carlisle, Ind., and R. Marion, Ill. Ash tray. 2,626,045, Jan. 20.

Van Overbeek, Adrianus J. W. M., Eindhoven, Ne assignor to Hartford National Bank and Trust Hartford, Conn., as trustee. Circuit-arrange amplifying and separating signals of differen cies. 2,662,128, Dec. 8.

Van Overbeek, Johannes: *See*—
Scott, Lawrence B., Whetstone, Van Over Blondeau.

Van Overeem, Marius L., Hilversum, Netherland worm drive. 2,651,217, Sept. 8.

Van Patten, Ernest W., McLean, Va. Bandee and forming the same. 2,658,614, Nov. 10.

Van Patten, Royal A.: *See*—
Ensign, Elbert E., and Van Patten.

Van Pelt, Dale M., and L. W. Sanner, Love J. Wilson, Ault, Colo., assignors to Northern Co. Dump hoist. 2,653,052, Sept. 22.

Van Ramshorst, Steven G., Dordrecht, assignor van Tongeren-Boers, Heemstede, Netherlands, ized fuel burner. 2,652,011, Sept. 15.

Van Riper, Elmer, Rochelle Park, and G. W. Frey N. J., assignors to United States Rubber Comp York, N. Y. Superimposed multiple cav 2,663,905, Dec. 29.

Van Risseghem, Firmin G. H., assignor to Tissag Maere: Societe Anonyme, Ghent, Belgium 2,638,129, May 12.

Van Russum, Pierre, Mariaburg, and G. Schul. Belgium. Percussion mechanism. 2,655,911

Van Ry, William H., assignor to Boeing Airplane Seattle, Wash. Air-cooled sprak plug. 2,623 20.

Van Ryan, Anthony, South Milwaukee, assignor to McGraw Electric Company, Milwaukee, Wis. Electromagnetic pump. 2,627,811, Feb. 10.
Van Ryan, Anthony, South Milwaukee, assignor to McGraw Electric Co., Milwaukee, Wis. Series capacitor protective device and system. 2,656,490, Oct. 20.
Van Ryan, Anthony, South Milwaukee, and W. R. Harry, Hartland, assignors to McGraw Electric Company, Milwaukee, Wis. Load limiter. 2,645,726, July 14.
Van Santen, Jan H.: *See*—
Bügel, Roelof D., Jonker, and van Santen.
Van Saun, Willard G., assignor to Janesville Cotton Mills, Janesville, Wis. Strip insulation and manufacture. 2,640,004, May 26.
Van Schie, Robert, Grand Rapids, Mich. Sheet metal feeder. 2,628,726, Feb. 17.
Van Schie, Robert, Grand Rapids, Mich. Machine for separating and delivering metal sheets from a stack. 2,652,934, Sept. 22.
Van Schie, Robert J., Grand Rapids, Mich. Sheet metal separating device. 2,662,648, Dec. 15.
Van Sciver, Herbert D., II, Merion, assignor to The Budd Company, Philadelphia, Pa. Roll dressing means. 2,631,478, Mar. 17.
Van Sciver, Joseph G.: *See*—
Benedict, Walter E., and Van Sciver.
Van Sickle, Kenneth J., assignor to Papec Machine Company, Shortsville, N. Y. Crop pickup reel. 2,627,158, Feb. 3.
Van Sickle, Roswell C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker mechanism. 2,656,430, Oct. 20.
Van Sickle, Roswell C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing arrangement for circuit interrupting devices. 2,657,354, Oct. 27.
Van Sicien, William C.: *See*—
Schneider, Helmuth G., Van Sicien, and Brakeley.
Van Sittert, Paul R., Shaker Heights, Ohio, assignor to The Rotor Tool Company. Air hammer construction. 2,637,300, May 5.
Van Sittert, Paul R., Shaker Heights, Ohio, assignor to The Rotor Tool Company. Impact type clutch. 2,637,426, May 5.
Van Stone, Clifford E., Santa Maria, F. J. Lopker, Los Angeles, and B. S. Minor, Whittier, Calif. Traveling block indicator for oil well derricks. 2,634,405, Apr. 7.
Vanta Company Inc., The, assignee: *See*—
Wyner, Justin L., and Scharf.
Van Tassel, Harry C., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Railway switch controlling apparatus. 2,638,537, May 12.
Van Tassel, Harry C., Edgewood, Pa., assignor to Westinghouse Air Brake Company. Emergency control for centralized traffic control systems. 2,656,455, Oct. 20.
Van Tassel, James, Santa Ana, Calif., assignor, by mesne assignments, to Alert Development Corporation. Expansible trailer. 2,636,773, Apr. 28.
Van Tongeren-Boers, Maria J., assignee: *See*—
Van Ramshorst, Steven G.
Van Tuyl, Sidney E., St. Lucie, Fla. Guide for portable power tools. 2,630,146, Mar. 3.
Van Valkenburgh, Edward A., Greene, N. Y. Composition for vulcanizing rubber. 2,657,147, Oct. 27.
Van Valkenburg, Howard E.: *See*—
Hardie, Fred H., Goodman, and Van Valkenburg.
Van Valkenburgh, Howard E., Candlewood Isle, and E. G. Cook, Stratford, assignors to Sperry Products, Inc., Danbury, Conn. Transducer control. 2,651,012, Sept. 1.
Van Valkenburgh, Merritt, Upper Nyack, N. Y., assignor to M. H. Rhodes Incorporated, Hartford, Conn. Spring motor assemblage for clockwork mechanisms. 2,662,612, Dec. 15.
Van Veersen, Gerardus J., The Hague, assignor to Rubber-Stichting, Delft, Netherlands. Manufacture of cyclized rubber. 2,661,340, Dec. 1.
Van Vliet, Paul D.: *See*—
Galazzi, Joseph A., Jordan, and Van Vliet.
Van Vooren, Fred A., Moline, Ill. Water cooling and saving arrangement for electrical welders. 2,629,804, Feb. 24.
Van Voorhees, Stanley, West Los Angeles, Calif. Power-driven ski. 2,625,229, Jan. 13.
Van Voorhis, Noble, Los Angeles, Calif. Sound-making wheeled stick horse. 2,648,160, Aug. 11.
Van Voorthuysen, Jan J. B. V.: *See*—
Schmit, George C. A., and van Voorthuysen.
Van Wagener, Raymond H., Stamford, R. Carmichael, Devon, and F. Parry, Trumbull, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Rotary take-up for sewing machines. 2,636,464, Apr. 28.
Van Wageningen, Johan H., and J. Schreur, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiving circuit with reflex means. 2,662,173, Dec. 8.
Van Wambeck, Stanley H.: *See*—
Lautner, Max E., and Van Wambeck.
Van Weijnsbergen, Charles L., Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical rectifying system. 2,662,190, Dec. 8.
Van Werd, Johannes H. F.: *See*—
Anderson, Charles H. J., and van Werd.
Van Werd, Johannes H. F., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Socket for incandescent lamps or discharge tubes comprising two parallel contact sleeves. 2,653,303, Sept. 22.
Van Werd, Johannes H. F., and C. H. J. Anderson, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical contact assembly. 2,663,853, Dec. 22.
Van Wessem, Gijsbertus: *See*—
Ercoli, Nicholas, and van Wessem.
Van Wessem, Gijsbertus C., Harrison, and E. H. Kastning, Poundridge, N. Y. Condensing apparatus. 2,647,823, Aug. 4.
Van Wie, John A., Portland, Oreg. Drapery support. 2,640,601, June 2.
Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle, and Winkler.
Van Winkle, John L., San Lorenzo, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Chlorinated polymers of branched chain 1,3-hexadienes. 2,640,857, June 2.
Van Wirt, Alfred E., assignor to Imperial Paper and Color Corporation, Glens Falls, N. Y. Wall-covering package. 2,660,299, Nov. 24.
Van Wirt, Alfred E., and G. F. Jones, Glens Falls, N. Y., assignors to Imperial Paper and Color Corporation. Pigment paste. 2,656,327, Oct. 20.
Van Wyck, John H., Hoboken, N. J. Deck chair. 2,626,653, Jan. 27.
Van Zandt, Henri, Starke, Fla. Convertible fixed-wing paddle wheel aircraft. 2,633,311, Mar. 31.
Vape-O-Plate Company, assignee: *See*—
Howland, William R., and Tefft.
Vapor Heating Corporation, assignee: *See*—
Clarkson, Alick.
Gillick, Laurance H., and Lehane.
Gillick, Laurance H., Russell, and Kirkby.
Lehane, Timothy J.
Lehane, Timothy J., and Johnson.
Lemos, Albert, Jr., and Cunningham.
Russell, Edward A., and Kirkby.
Smith, William M., Freeberg, and Tharp.
Vapor Recovery Systems Company, The, assignee: *See*—
Lee, Joseph F., and Denny.
Varady, Louis, Fords, N. J. Rotating electrical broiler. 2,629,314, Feb. 24.
Varak, Joseph, assignor to E. J. Brach & Sons, Chicago, Ill. Device for providing mold indentations and cleaning mold forming apparatus. 2,649,745, Aug. 25.
Varco, Samuel, Buffalo, N. Y. Pelvic traction belt. 2,638,091, May 12.
Varela, Andrew A., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Melamine-formaldehyde resinous composition with filler. 2,639,277, May 19.
Varela, Arthur A., Alexandria, Va. Electronic switch for high-frequency power. 2,644,926, July 7.
Varela, Arthur A., Alexandria, Va. Controlled impedance gas discharge device for mechanical transmission mediums. 2,646,550, July 21.
Varela, Arthur A., Washington, D. C. Self-pulsing oscillator. 2,627,029, Jan. 27.
Varela, Arthur A., Washington, D. C. Impulse generator. 2,627,030, Jan. 27.
Varela, Arthur A., Washington, D. C. Self-pulsing oscillator. 2,649,546, Aug. 18.
Varga, Oscar W., Englewood, Colo. Hypodermic needle cleaning machine. 2,636,201, Apr. 28.
Vargo, Frank J., assignor to Alco Valve Company, University City, Mo. Solenoid operated actuator. 2,629,766, Feb. 24.
Vargo, Frank J., St. Louis County, assignor to Alco Valve Company, University City, Mo. Four-way change-over valve. 2,638,123, May 12.
Vargo, John J., assignor of one-third to S. La Monica, Oneonta, and one-third to G. W. Squire, Cooperstown, N. Y. Bowling ball cleaner. 2,656,557, Oct. 27.
Vargo, Paul, Lyndhurst, and T. A. Foster, Jr., Cleveland, Ohio, assignors to General Electric Company. Apparatus for applying getters to lamp filament supports. 2,636,472, Apr. 28.
Varian, Russell H., Cupertino, W. W. Hansen, Stanford University, and J. R. Woodyard, Berkeley, assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Oscillation generator. 2,646,512, July 21.
Varian, Sigurd F., Stanford, Calif., assignor to The Sperry Corporation, Great Neck, N. Y. Microwave frequency cavity resonator structure. 2,644,908, July 7.
Variapat A. G., assignee: *See*—
Martin, Henry.
Varinyl, assignee: *See*—
Neumager, Albert E. J. M.
Varner, Odette M., Vicksburg, Miss. Making relief pictures from plane pictures. 2,656,634, Oct. 27.
Varner, William O., Versailles, Ohio. Foldable wheel vehicle for infants. 2,625,407, Jan. 13.
Varnet, Pierre, Romainville, France. Loud-speaker. 2,657,758, Nov. 3.
Varney, Frank M., Roanoke, Va. Heat supply control. 2,650,030, Aug. 25.

Varnum, Richard O., Fort Klamath, Oreg. Wheel tilting mechanism for automobiles. 2,652,263, Sept. 15.
Varo Mfg. Co., Inc., assignee: *See*—
Murray, Joseph J., Jr.
Varona, Eulalio M., Oscar B., and Olivio B., Manila, Republic of Philippines, assignors of one-half to M. Sallentes, J. B. Ramos, and C. Montano, Washington, D. C. Locking pen and pencil compass and divider. 2,655,727, Oct. 20.
Varona, Olivio B.: *See*—
Varona, Eulalio M., Oscar B., and Olivio B.
Varona, Oscar B.: *See*—
Varona, Eulalio M., Oscar B., and Olivio B.
Vartanian, Richard D.: *See*—
Parker, Robert P., and Vartanian.
Vasey, Charles H.: *See*—
Boon, William R., Greenhalgh, London, and Vasey.
Vaslow, Fred: *See*—
Tevebaugh, Arthur D., and Vaslow.
Vásquez, Conrad, New York, N. Y. Display device. 2,651,116, Sept. 8.
Vassel, Bruno, and R. Garst, Toledo, Ohio, assignors to International Minerals & Chemical Corporation. Preparation of guanidino fatty acids. 2,654,779, Oct. 6.
Vastano, Frederick A., Glen Rock, N. J., K. Erickson, Millbury, and R. R. St. Jean, Auburn, Mass., assignors of one-half to A. W. Vibber, Ridgewood, N. J., and one-half to said Vastano. Container closure. 2,649,220, Aug. 18.
Vath, Hermann S., assignee: *See*—
Simmons, John J.
Vaughan, Clayton T., Circleville, Ohio, assignor to General Electric Company. Support wire forming apparatus. 2,653,631, Sept. 29.
Vaughan, Henry E.: *See*—
Malthaner, William A., Newby, and Vaughan.
Malthaner, William A., and Vaughan.
Newby, Neal D., and Vaughan.
Vaughan, James R., Jr., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Diesteraraseniteamides. 2,631,158, Mar. 10.
Vaughan, James R., Jr., Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Mixed anhydrides between carboxylic and substituted arsenous acids. 2,659,745, Nov. 17.
Vaughan, James R., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Imidazopyridines. 2,637,731, May 5.
Vaughan, John K.: *See*—
Wilson, George E., and Vaughan.
Vaughan, John T., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Method and means for producing accurately-timed high - power electric pulses. 2,624,850, Jan. 6.
Vaughan-Jones, Ian N.: *See*—
Taylor, Maurice K., and Vaughan-Jones.
Vaughan Mfg. Co., assignee: *See*—
La Forte, Michael J.
Vaughan, Paul J., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Plastic film. 2,633,456, Mar. 31.
Vaughan, Thomas M., assignor to United Paper Company, Tampa, Fla. Fruit wrapping machine. 2,662,354, Dec. 15.
Vaughan, Victor G., and R. G. Mawney, Attleboro, Mass., and J. A. Bagnall, Dearborn, Mich., assignors to Metals & Controls Corporation, Attleboro, Mass. Combined starting and protective switch. 2,640,124, May 26.
Vaughan, William E.: *See*—
Bell, Edward R., and Vaughan.
Raley, John H., Vaughan, and Porter.
Rust, Frederick F., and Vaughan.
Vaughan, William E., Berkeley, and D. Harman, Menlo Park, assignors to Shell Development Company, San Francisco, Calif. Catalyzed reactions between hydrogen sulfide or dimercaptans and dialkenyl ethers or polyalkenyl amines. 2,657,238, Oct. 27.
Vaughan, William K., Carthage, N. Y. Wood chipper. 2,663,506, Dec. 22.
Vaughn, Charles D.: *See*—
Angell, Pierce T., and Vaughn.
Vaughn, Charles M.: *See*—
Caparone, Michael J., and Vaughn.
Vaughn, Harold G., assignor to The Ohio Corrugating Company, Warren, Ohio. Container for liquids and semiliquids. 2,649,227, Aug. 18.
Vaughn, Joseph J., Detroit, Mich., assignor, by mesne assignments, to McKee Door Company, Aurora, Ill. Safety door arm. 2,639,143, May 19.
Vaughn Machinery Company, The, assignee: *See*—
McIlvried, Edwin J.
Vaughn, Ralph A.: *See*—
Fowler, Jefferson D., and Vaughn.
Vaughn, Samuel C., Berkeley, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Lubrication of steam cylinders. 2,642,722, June 23.
Vaughn, Samuel C., Berkeley, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Amino bicyclohexyl-alkyl acid phosphate reaction product. 2,656,375, Oct. 20.
Vaughn, Sidney P., San Diego, Calif. Sponge cleaning device. 2,660,747, Dec. 1.

Vawter, James A., Milan, Tenn. Cultivator attac
2,651,984, Sept. 15.
Vazquez-Arias, José, Bogota, Colombia. Weldin
trode. 2,630,103, Apr. 21.
Veale, John H.: *See*—
West, Howard F.
West, Howard F., and Veale.
Vealey, William D., Ephrata, Wash. Clothes hang
port for automobiles. 2,629,528, Feb. 24.
Veatch, Franklin: *See*—
Hughes, Everett C., and Veatch.
Veatch, Joseph G., Jr.: *See*—
Daily, Arthur M., and Veatch.
Veatch, Joseph G., Jr., and A. M. Daily, assig
Chicago Telephone Supply Corporation, Elkha
Electrical control device. 2,654,641, Oct. 6.
Veaux, Henri M., St. Leu La Foret, France, assi
International Standard Electric Corporation, Ne
N. Y. Automatic switching system for electric
communications. 2,626,987, Jan. 27.
Veaux, Henri M., St.-Leu-la-Foret, France, assigno
ternational Standard Electric Corporation, Ne
N. Y. Multichannel electrical pulse communicat
tem. 2,640,881, June 2.
Veaux, Henri M., Saint-Leu-la-Foret, France. Tir
sion multiplex radio system. 2,645,770, July 14.
Veaux, Henri M., St. Leu la Foret, France. Sy
changing the frequency band occupied by a tel
transmission. 2,650,949, Sept. 1.
Vecchia, Daniel S.: *See*—
Bodolay, Stephen M., and Vecchia.
Vecchioni, Mario, Baltimore, Md. Skid chain. 2,6
Apr. 7.
Vecchiotti, Ado, Ascoli Piceno, Italy. Tooth fac
backing therefor. 2,659,971, Nov. 24.
Vedder, Fred A., Okauchee, Wis. Water tube
2,652,814, Sept. 22.
Veeder-Root Incorporated, assignee: *See*—
Blackman, Fred T.
Bliss, Harvey N.
Bliss, Harvey N., and Wild.
Jones, William F.
Vroom, Harold B.
Veenemans, Cornelis F., S. H. R. Visser, and F.
Eindhoven, Netherlands, assignors, to Hartfo
tional Bank and Trust Company, Hartford, Co
trustee. Tubular getter container. 2,657,452,
Veenschoten, Vincent V., Erie, Pa., assignor to Con
Foundry and Machine Company, East Chica
Dual control mechanism for valves and t
2,660,072, Nov. 24.
Veersma, Walter, assignor to Buss Machine Wor
land, Mich. Microcontrol for top out-feed pla
2,664,124, Dec. 29.
Vegren, Conrad R., Washington, D. C. Helical
channel for solid propellants. 2,661,692, Dec. 8
Veillet, Richard J., assignee: *See*—
Richard, Alphonse.
Veilleux, Lewis J., assignor to Scovill Manufacturi
pany, Waterbury, Conn. Tool for removing riv
burrs. 2,629,442, Feb. 24.
Veitch, Albert H., Plainville, Conn., assignor, by m
signments, to General Electric Company. Collec
for bus bar duct systems. 2,659,874, Nov. 17.
Veith, John E., assignee: *See*—
Battle, Wingate.
Veitscher Magnesitwerke-Aktiengesellschaft, a
See—
Hönig, Fritz.
Velan, Adolf K., Montreal, Quebec, Canada. U
steam trap. 2,629,553, Feb. 24.
Velazquez, Edmundo D., Mexico City, Mexico.
device combined with automatic brakes for au
vehicles. 2,658,587, Nov. 10.
Veldhuis, Matthew K.: *See*—
Gordon, Willis O., and Veldhuis.
Veldstra, Haave, Amsterdam, assignor to N. V.
damsche Chininefabriek, Amsterdam, North-
Netherlands. Growth promoting preparati
plants. 2,639,983, May 26.
Veley, Hugh N., St. Marys, Pa., assignor, by mesn
ments, to Speer Carbon Company. Molded-in sh
trical contact member. 2,654,038, Sept. 29.
Velez, Rafael V., and L. E. Nelson, San Francisc
Adjustable choke. 2,634,537, Apr. 14.
Velie, Orville D., deceased, Bellingham, Wash., O.
ton, executor of said O. D. Velie, assignor, b
assignments, to James Q. Leavitt Company.
ing machine. 2,644,629, July 7.
Velodota, Anthony D., Southington, Conn. Mult
pocket-type toothbrush and dentifrice a
2,640,488, June 2.
Velotta, Salvatore, assignee: *See*—
Hess, Jack.
Veltman, Preston L., Severna Park, Md., assigno
United States of America as represented by th
States Atomic Energy Commission. Flotation
nium. 2,647,629, Aug. 4.
Venango Engineering Co., Inc., assignee: *See*—
Robertson, Alexander.

Vendo Company, The, assignee: *See*—
Johnson, Elmer C.
Menning, Ralph H., and Manley.
Sabin, Eugene R., Andrews, and Shontz.

Vend-O-Matic Limited, assignee: *See*—
Munz, Jaroslav, and Tichopad.

Vendomatic Machine Corporation, assignee: *See*—
Tandler, William S., and Walker.

Vendorlator Manufacturing Company, assignee: *See*—
Childers, Harry S.

Venedam, Joseph A.: *See*—
Quimby, Arthur G., and Venedam.

Veneziano, Joseph B., Brooklyn, N. Y. Device for washing oil tanks with water and the like devices. 2,661,241, Dec. 1.

Vengris, Michael P., Dearborn, assignor to The Drum Corporation, Detroit, Mich. Roller type paint applicator. 2,645,845, July 21.

Venis, Ernest: *See*—
Hassid, Maurice A., and Venis.

Venn, Frank A., Salem, Va. Drapery hook holding device. 2,645,920, July 21.

Venner, William M., Ladue, and P. L. Bowser, Jr., University City, Mo. Brake plate and cylinder assembly. 2,643,742, June 30.

Venner, William M., Clayton, and P. L. Bowser, Jr., University City, Mo. Trunk piston. 2,643,921, June 30.

Vennootschap onder firma A. G. F. Knopenfabriek, assignee: *See*—
Van der Heiden, Arnoldus L.

Venstrom, Evert L., Rockford, Ill., assignor to Twin Disc Clutch Company, Racine, Wis. Rotary hydraulic coupling. 2,651,919, Sept. 15.

Ventura Farms Frozen Foods, Incorporated, assignee: *See*—
Grether, Tobias.

Ventura Tool Company, assignee: *See*—
Williams, William J., and Hanes.

Venus Foundation Garments, Inc., assignee: *See*—
Diebold, George L.

Venus, Wilibald A., Munich, assignor to Hahn & Kolb, Stuttgart-N, Germany. Hydraulically driven working machine for die-casting, injection molding, and the like. 2,649,693, Aug. 25.

Venus, Wilibald A., Munich, assignor to Hahn & Kolb, Stuttgart-N, Germany. Heating and injection cylinder in injection molding machine for thermoplastic materials. 2,656,567, Oct. 27.

Venuto, Louis J., Bayside, assignor to Columbian Carbon Company, New York, N. Y. Furnace black pelletizing process. 2,639,225, May 19.

Vera, Edward F., assignor to Hava Development Co., Inc., New Bedford, Mass. Method and apparatus for cutting synthetic fiber fabrics. 2,628,412, Feb. 17.

Verba, Richard J., Fairview Village, assignor to H. V. Schweitzer, Shaker Heights, Ohio. Ware lining tool. 2,644,975, July 14.

Verbakel, Martinus, assignor to N. V. Vereenigde Tabaksindustrieen Mignot & De Block, Eindhoven, Netherlands. Magazine for binder and/or wrapper leaves. 2,630,125, Mar. 3.

Verbanc, John J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of plasticizing rubber. 2,629,755, Feb. 24.

Verbrugge, Joseph J.: *See*—
Lincoln, Clovis W., Zeigler, Verbrugge, and Sloan.

Verburg, Robert M., Plainfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Golf ball. 2,652,254, Sept. 15.

Verch, Raymond, Sr., Albany, N. Y. Hydraulic jacking system. 2,630,787, Mar. 10.

Verd-A-Ray Processing Company, assignee: *See*—
Levi, Ormonde S.

Verde, Charles D., Union City, N. J. Package and parts thereof for delicate articles. 2,654,468, Oct. 6.

Verderber, Joseph, assignor to The Cleveland Universal Jig Company, Cleveland, Ohio. Index table. 2,640,400, June 2.

Verderber, Joseph, Cleveland, Ohio. Fluid-operated clamping device with mechanical advantage and delayed release action. 2,663,151, Dec. 22.

Verderber, Joseph, assignor to The Cleveland Universal Jig Company, Cleveland, Ohio. Fluid operated clamping device with lubricant atomizing means. 2,663,339, Dec. 22.

Verderber, Joseph, Cleveland, Ohio. Precision measuring device. 2,663,598, Dec. 22.

Verdi, Columbus, Waukegan, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Heat-treating tungsten-nickel alloys. 2,655,457, Oct. 13.

Verdier, Willis J., Sidney, Ohio. Electric garage door operator. 2,628,000, Feb. 10.

Ver Doot, Henry, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Removing dry paper trim. 2,658,427, Nov. 10.

Verdurin Company, assignee: *See*—
Hale, William J., and Vogelsang.

Vereinigte Glanzstoff-Fabriken A. G., assignee: *See*—
Börner, Christian.

Vereinigte Oesterreichische Eisen-und Stahlwerke Aktiengesellschaft, assignee: *See*—
Hauttmann, Hubert.

Vereinigte Papierwerke Schickedanz & Co., assignee: *See*—
Morhard, Josef K.

Vergilio, Joseph H.: *See*—
Naragon, Ernest A., Vergilio, and Millendorf.

Vergnani, Evo, S. E., and M. H., Somerville, assignors to Somerset Machine & Tool Co., Inc., Boston, Mass. Liner for the jaw faces of pipe wrenches. 2,637,236, May 5.

Vergnani, Milton H.: *See*—
Vergnani, Evo, S. E., and M. H.

Vergnani, Stanley E.: *See*—
Vergnani, Evo, S. E., and M. H.

Verhoeff, Adrianus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron microscope. 2,655,601, Oct. 13.

Verkinderen, Honoré: *See*—
Von Fraunhofer, Hans, Verkinderen, and Meeussen.

Verkuil, Leo L., assignor to Edwards Company, Inc., Norwalk, Conn. Alarm signal station. 2,632,070, Mar. 17.

Vermaire, Paul L.: *See*—
Dadd, Morris V., and Vermaire.

Vermeiren, Theophile I. S., Deurne-Anvers, Belgium. Magnetic treatment device for liquids. 2,652,925, Sept. 22.

Vermilya, Howard P., Princeton, N. J., assignor to American Houses, Inc., New York, N. Y. Building construction. 2,648,877, Aug. 18.

Vernay Laboratories Inc., assignee: *See*—
Hoffman, Allan C.

Vernet, Sergius, assignor to Antioch College, Yellow Springs, Ohio. Pressure operated device. 2,636,776, Apr. 28.

Verney Corporation, assignee: *See*—
Campbell, James S.

Verret, Emile J., Chicago, Ill. Rotatable top combination woodworking machine. 2,656,861, Oct. 27.

Verrinder, Ernest A.: *See*—
Thornton, Garno E., Verrinder, Stillwell, McGrath, and Richards.

Verrinder, Ernest A., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Unstacker. 2,659,497, Nov. 17.

Verschoor, Jack D.: *See*—
Pittenger, Howard R., Jr.

Versen, Kurt, Tenafly, N. J. Electrical fixture. 2,639,881, May 26.

Verson Allsteel Press Company, assignee: *See*—
Rohrscheib, George F., and Reynolds.

Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Valve structure. 2,626,625, Jan. 27.

Vesper, Daniel M., and H. L. Edwards, Bartlesville, Okla., assignors to Phillips Petroleum Company. Flow control apparatus. 2,664,190, Dec. 29.

Verveen, Dirk, Aerdenhout, Netherlands. Device for measuring the principal dimensions of erythrocytes. 2,641,959, June 16.

Vervest, Wilhelmus L., and G. van Gelder, Hilversum, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable coil assembly. 2,663,849, Dec. 22.

Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, assignee: *See*—
Aschwanden, Paul.
Lippert, Hanns, and Hepperle.

Verweel, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetron. 2,659,030, Nov. 10.

Verwers, Leonard, assignee: *See*—
Heki, William H.

Vesce, Vincent C., Bergen County, N. J., assignor, by mesne assignments, to The B. F. Goodrich Company, New York, N. Y. Pigmented organic plastics and preparing the same. 2,649,382, Aug. 18.

Veschio, Anthony P., assignor of five per cent to A. Hrebenor, and five per cent to F. Tomaskovic, Monessen, Pa. Coin bank with guarded slot means. 2,648,494, Aug. 11.

Vesely, Jerome A.: *See*—
Pines, Herman, and Vesely.

Vestal, Edwin C., Jr.: *See*—
Gaetani, Robert A., and Vestal.

Vestling, Carl S.: *See*—
Smith, Richard G., and Vestling.

Vestre, Rasmus, Oslo, assignor to Hydraulik A/S, Brattvaag, near Aalesund, Norway. Pump and motor hydraulic system and control valve means therefor. 2,655,000, Oct. 13.

Vetter, Robert E., Western Springs, assignor to Mid-States Gummed Paper Company, Chicago, Ill. Heat-activatable sustained-tack adhesive tape. 2,653,881, Sept. 29.

Veum, John E., Milwaukee, Wis. Art of shotgun shell loading. 2,655,831, Oct. 20.

Viale, Spirito M., Coventry, assignor to Rolls-Royce Limited, Derby, England. Control means for fuel systems of gas turbine engines. 2,664,151, Dec. 29.

Viault, Albert, assignee: *See*—
Plata, Roberto G., and Ramos.

Vibber, Alfred W., assignee: *See*—
Howard, Henry F.
Vastano, Frederick A., Erickson, and St. Jean.

Viboud, Albert, assignor to Etablissements Merlin & Gerin, Societe Anonyme, Grenoble, France. Thermorelay with indirectly heated bimetallic strip. 2,650,967, Sept. 1.

Viboud, Albert, and A. Gras, assignors to Etablissements Merlin & Gerin, Societe Anonyme, Grenoble, France. Protecting device for circuit breakers. 2,663,779, Dec. 22.

Vibra-Bath Corporation, assignee: *See*—
Schwartz, Hal H.

Vibradamp Corporation, assignee: *See*—
Schwartz, Ralph E.

Vibro Vita Products Co., assignee: *See*—
Tjomsland, Eil H., and Isecke.

Vicario, Carlo: *See*—
Clark, Carleton L., Vicario, Lyons, Smith, and Hickey.

Vicars, T. & T., Limited, assignee: *See*—
Crosland, Edward M., and Naylor.
Derbyshire, Alfred, and Naylor.
Naylor, Joseph F.

Vicci, Orlando, Tufillo, Italy. Conical grinding mill. 2,653,770, Sept. 29.

Vicci, Orlando, Tufillo, Italy. Control system for window shutters. 2,654,427, Oct. 6.

Vicenzi, Reno L.: *See*—
McCarty, Lourdes V., and Vicenzi.

Vick, Edward H., Orlando, Fla. Paper clip applicator. 2,641,051, June 9.

Vick, Millard, Portsmouth, Va. Bicycle seat height adjusting means. 2,644,504, July 7.

Vickers-Armstrongs Limited, assignee: *See*—
Daniels, Flavius K.
Higson, Percy R.
Kirby, Wilfred.
Nasmith, John L., and Daniels.
Naylor, Joshua C., and Fieldhouse.
Polson, Reginald A.
Spencer, Arthur, and Hewitt.
Wallis, Barnes N.
Wood, George.

Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Mechanical clutch follow-up device. Re. 23,692, Aug. 4.

Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Top shoe brake operator. 2,639,785, May 26.

Vickers, Herbert H.: *See*—
Rex, Walter A., and Vickers.

Vickers, Herbert H., Union Township, Union County, and S. E. Jaros, Rahway, N. J., assignors to Standard Oil Development Company. Process and apparatus for preparing oil solutions of high molecular weight polymers. 2,639,275, May 19.

Vickers, Incorporated, assignee: *See*—
Bujak, Henry C.
Finlayson, William G.
Gardiner, Duncan B.
Gardiner, Duncan B., Klessig, and Parsons.
Grillo, Joseph.
Jones, Glenn M., and Duvall.
Klessig, Ernst F.
Postel, Kenneth I., and Horvath.
Robinson, James.
Vickers, Harry F.
Weathers, Leland C.

Vickers, Irving H., Fairfield, and G. M. Rickus, assignors to Hat Corporation of America, Norwalk, Conn. Hat pressing apparatus. 2,624,495, Jan. 6.

Vickers, Reginald J., The Plains, Va. Gate fastener. 2,653,044, Sept. 22.

Vickers, William F., Wichita, Kans. Portable end extensible conveyer. 2,631,715, Mar. 17.

Vickery, Charles H.: *See*—
Jones, Dwight E., and Vickery.

Vickery, Edgar H.: *See*—
Price, Harold A., and Vickery.

Vickery, Robert K., assignor to Bostrom-Brady Manufacturing Company, Atlanta, Ga. Surveying instrument. 2,652,627, Sept. 22.

Vickroy, George S., Johnstown, Pa., assignor to United States Steel Corporation. Rail fastening device. 2,648,500, Aug. 11.

Vico Products Company, assignee: *See*—
Millen, Hugh M.

Victaulic Company of America, assignee: *See*—
Krooss, John H.

Victery, C. D., assignee: *See*—
Boyer, Mathew L.

Victor Adding Machine Co., assignee: *See*—
Buehler, Carl.
Lippert, Erhard M.
Mehan, Thomas O.

Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.
Woodstock, Willard H.
Woodstock, Willard H., and Beck.

Victor Engineering Corporation, assignee: *See*—
Zuzelo, Edward A.

Victor Industries Corporation, assignee: *See*—
Drew, Harry A.
Jung, Albert H.

Victor, John H., Wilmette, assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Oil seal construction. 2,646,295, July 21.

Victor, Joseph N., Bethlehem, Pa. Control mechanism 2,638,164, May 12.

Victor Manufacturing & Gasket Co., assignee: *See*—
Diehl, Karl L.
Kosatka, Thomas O.
Victor, John H.

Victor Safe & Equipment Company, Inc., assignee: *See*—
Gallagher, Richard L.

Victoreen Instrument Company, The, assignee: *See*—
Terhune, Virginia.

Victory Engineers Limited, assignee: *See*—
Fishwick, Robert.

Victory Hat Block Company, assignee: *See*—
Masini, Joseph.

Vida, John C., Detroit, Mich. Display device. 2,6
May 26.

Vidal, Steven P., Albuquerque, N. Mex. Mo
wringer means. 2,648,086, Aug. 11.

Viera Rios, Lionel I., and L. A. J. M. Frávega, Mon
Uruguay. Apparatus for dry filling concret
2,656,684, Oct. 27.

Vierling, Donald E., assignor to Atomic Basic Ch
Corporation, Pittsburgh, Pa. Water-dispersible
thiazine preparation. 2,664,380, Dec. 29.

Vierling, John A., assignor to Brown & Bigelow, S
Minn. Pencil. 2,646,775, July 28.

Vierling, Karl: *See*—
Hopff, Heinrich, and Vierling.

Vierra, Antone N., Honolulu, Hawaii. Flush tan
fectant dispenser. 2,647,266, Aug. 4.

Viesturs, Erichs A., York, Pa. Adjustable and
sundial. 2,637,108, May 5.

Vietas, Frank: *See*—
Hyde, Ralph A., and Vietas.

Viets, Walter, St. Louis, Mo. Attachment for
wrenches. 2,634,642, Apr. 14.

Vieweg, Alwin, Heidenheim, assignor to Zeiss-Op
tische Werke Oberkochen G. m. b. H., Oberkochen
temberg, Germany. Refractometer with fixed
system and prism. 2,633,052, Mar. 31.

Viewegh, Alice N., executrix: *See*—
Viewegh, John H.

Viewegh, John H., deceased, Indianapolis, Ind.
Viewegh, executrix. Means for interconnecti
guard frame sections. 2,624,504, Jan. 6.

Vig, Bennie T., Morris, and A. H. Fischer, Ale
Minn. Road machine. 2,646,730, July 28.

Vigars, Sterling G.: *See*—
Berry, William D., Vigars, and Adamek.

Vigmostad, Trygve, assignor to Briggs Manuf
Company, Detroit, Mich. Latch structure for
bodies. 2,631,880, Mar. 17.

Vigmostad, Trygve, assignor to Briggs Manuf
Company, Detroit, Mich. Seat structure. 2,
Sept. 15.

Vigna, Francisco: *See*—
Chapeta, Juan, and Vigna.

Vignati, Julius, assignee: *See*—
Reich, Otto.

Vigness Irwin: *See*—
Kammer, Erwin W., Vigness, and Holt.

Vignos, James C., assignor to Ohio Ferro-Alloys C
tion, Canton, Ohio. Addition materials for i
steel manufacture and use thereof. 2,639,232.

Vignini, Amilcare, Falconara Marittima (Ancona
Means for checking and adjusting the air pre
tires. 2,633,889, Apr. 7.

Vigren, Sten D., Stockholm, P. H. E. Claesson, Jak
and R. A. Zander, Stockholm, Sweden. Polar
lay. 2,652,464, Sept. 15.

Vihtelic, Frank G.: *See*—
Wilcox, Raymond J., and Vihtelic.

Viking Tool Company, The, assignee: *See*—
Severson, Ole C.

Viking Tool & Machine Corporation, The, assignee
Lindstrom, John.

Viko, Inc., assignee: *See*—
Ackermann, Albert J.

Viland, Clare K., Martinez, assignor to Tide Wa
sociated Oil Company, San Francisco, Calif. C
with mixed catalysts. 2,656,305, Oct. 20.

Vilar, Harold N., assignee: *See*—
Wellworth, Roger J.

Viles, Prentiss S., Baytown, Tex., assignor, by
assignments, to Standard Oil Development C
Elizabeth, N. J. Welding stainless steel. 2,
Jan. 27.

Viles, Prentiss S., Baytown, Tex., assignor, by
assignments, to Standard Oil Development C
Elizabeth, N. J. Welding stainless steel. 2,
May 19.

Viles, Prentiss S., Baytown, Tex., assignor, by
assignments, to Standard Oil Development C
Elizabeth, N. J. Article for welding stainles
2,639,362, May 19.

Vilkomerson, Benjamin S., Camden, N. J., assi
Radio Corporation of America. High-voltage
for cathode-ray tubes. 2,628,327, Feb. 10.

Vilkomerson, Benjamin S., Camden, N. J., assignor
Corporation of America. Interchannel noise su
circuits. 2,630,527, Mar. 3.

Vilkomerson, Benjamin S., Camden, and F. B. Sto
donfield, N. J., assignors to Radio Corporation
ica. Multiple load amplification system. 2,
Mar. 10.

Vilkomerson, Benjamin S., Camden, and C. W. Hoyt, Pennsauken Township, Camden County, N. J., assignors to Radio Corporation of America. Keyed automatic gain control and synchronizing signal separator. 2,632,802, Mar. 24.

Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Tuning aid for high fidelity radio receiving systems and the like. 2,639,375, May 19.

Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Frequency converter system. 2,653,224, Sept. 22.

Villa, Carlo, Melzo, and A. Morlani, assignors of one-half to G. Piazzolla, Milan, Italy. Shuttleless loom with continuous weft supply. 2,652,072, Sept. 15.

Villalba, Pedro D., Madrid, Spain. Permutation lock and key. 2,660,047, Nov. 24.

Villalba, Pedro del Pozo, Madrid, Spain. Nonshackle type padlock. 2,630,003, Mar. 3.

Villani, Frank: *See*—
Papa, Domenick, Sperber, and Villani.

Villard, Marcel, Colombes, France. Universal joint. 2,627,734, Feb. 10.

Villarreal, Enrique, Mexico City, Mexico. Electric magnetic thermostat for type melting machines. 2,630,479, Mar. 3.

Villars, Julio, Geneva, Switzerland. Lifting appliance for vehicles. 2,640,562, June 2.

Villars, Julio, Versoix, Switzerland. Lifting device for vehicles. 2,655,223, Oct. 13.

Ville, Jean A., and A. P. Pages, Paris, and P. A. Herreng, Moutrouge, France, assignors to Societe Alsacienne de Constructions Mecaniques. Electron tube coder device. 2,646,548, July 21.

Villemejane, Jacques, assignor of one-half to Compagnie du Celluloid Petitcollin-Oyonnithe, Paris, France. Walking figure toy. 2,641,864, June 16.

Villmer, Joseph F., Los Angeles, Calif. Swiveled hondoo. 2,643,638, June 30.

Vilter, Ernest F., Milwaukee, Wis. Sight gauge glass. 2,629,262, Feb. 24.

Vilter Manufacturing Co., The, assignee: *See*—
Koth, Ervin A.
Sloan, Harry, and Kocher.

Vincent, Andrew W., assignor to Talk-O Products, Inc., Rochester, N. Y. Manually operated selecting and controlling switch apparatus. 2,646,473, July 21.

Vincent, Dan B., Inc., assignee: *See*—
Vincent, Daniel B.

Vincent, Daniel B., assignor to Dan B. Vincent, Inc., Tampa, Fla. Apparatus for cooling and dehydrating hot pulpy solids. 2,638,687, May 19.

Vincent, Edwin E.: *See*—
De Lancey, Warren H., and Vincent.

Vincent, Edwin E., Springfield, Mass. Fishing reel. 2,632,608, Mar. 24.

Vincent, Edwin E., Springfield, Mass. Nonfouling spool for fishing reels. 2,643,828, June 30.

Vincent "H. R. D." Company Limited, assignee: *See*—
Vincent, Philip C.

Vincent, Harry A., assignee: *See*—
Flockhart, James.

Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Transmission for motor vehicles. 2,645,299, July 14.

Vincent, Jesse G., Grosse Pointe Park, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,648,992, Aug. 18.

Vincent, John R.: *See*—
Sanders, Paul A., and Vincent.

Vincent, Le Roy J.: *See*—
Taylor, Russell C., and Vincent.

Vincent, Melvon L., Alberhill, Calif. Tractor attachment for cable or hydraulic tipple loaders. 2,647,651, Aug. 4.

Vincent, Philip C., assignor to Vincent "H. R. D." Company Limited, Stevenage, England. Friction clutch. 2,629,473, Feb. 24.

Vincent, Walter R., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflatable panel assembly for storage bins. 2,646,905, July 28.

Vincent, Walter R., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer and transfer apparatus. 2,651,401, Sept. 8.

Vinco Corporation, assignee: *See*—
Osplack, Joseph J.

Vines, Oscar L., New York, N. Y., assignor to Alford Cartons, Ridgefield Park, N. J. Carton. 2,643,813, June 30.

Vines, Oscar L., New York, N. Y. Carrier for bottles and the like. 2,653,750, Sept. 29.

Vingee, Raymond A., Stamford, Conn., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Producing melamine. 2,649,446, Aug. 18.

Vingee, Raymond A., Stamford, Conn., and L. J. Christmann, Bronxville, assignors to American Cyanamid Company, New York, N. Y. Preparation of alkali metal acid cyanamide. 2,656,246, Oct. 20.

Vingee, Raymond A., Stamford, and L. L. Lento, Jr., Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of product containing sodium acid cyanamide. 2,658,825, Nov. 10.

Viniegra, Ernesto F., Mexico City, Mexico. Finger tip massaging instrument. 2,644,446, July 7.

Vinl-Cast, Inc., assignee: *See*—
Delacoste, Claude, and Cornic.

Vinograd, Jerome R.: *See*—
Rónay, Gezà S., and Vinograd.

Vinson, Beta, Emporia, Va. Trip latch stake pocket. 2,663,572, Dec. 22.

Vintenon, André L., Bois-Colombes, assignor to Electrom, Neuilly-sur-Seine, Seine, France. Starting unit, more particularly for internal-combustion engines, and operating same. 2,662,986, Dec. 15.

Vinton, John, San Francisco, Calif. Signal flare composition. 2,628,897, Feb. 17.

Vinton, William H., Parlin, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic emulsions containing symmetrical carbocyanine dyes. 2,647,053, July 28.

Vinton, William H., Parlin, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cyanine dyes. 2,647,115, July 28.

Vinton, William H., Parlin, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Cyanine dye salts. 2,647,116, July 28.

Vinton, William H., Parlin, and J. C. Firestine, South River, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions containing sensitizing dyes. 2,647,051, July 28.

Vinton, William H., Parlin, and J. C. Firestine, South River, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions containing sensitizing dyes. 2,647,054, July 28.

Viola, Baldassare, Detroit, Mich. Extension keeper plate. 2,646,302, July 21.

Virgil, John R., Downers Grove, Ill. Gasket seal for pipe joints. 2,657,078, Oct. 27.

Virgil, Richard K., Granger, Ind. Automatic fowl feeding device. 2,646,023, July 21.

Virginia-Carolina Chemical Corporation, assignee: *See*—
Boyer, William P., and Mangham.

Virginia Metal Products Corporation, assignee: *See*—
Tisdale, Thomas B.

Virkotype Corporation, assignee: *See*—
Berndt, Richard F.

Virkus, Robert M.: *See*—
Anthony, Myron L., and Virkus.

Virkus, Robert M., Riverside, and M. L. Anthony, La Grange, Ill. Constant speed direct current motor. 2,662,205, Dec. 8.

Virtue, Byron T., Litchfield, assignor to The Torrington Company, Torrington, Conn. Preparing and assembling antifriction bearings. 2,624,105, Jan. 6.

Virtue, Byron T., Litchfield, assignor to The Torrington Company, Torrington, Conn. Fractured outer race for antifriction bearings. 2,624,645, Jan. 6.

Viscardi, John E.: *See*—
Bowen, William S., and Viscardi.

Visch, Henri M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Inductance coil of the sliding core type. 2,642,559, June 16.

Vischer, Alfred, III, assignee: *See*—
Vischer, Alfred, Jr.

Vischer, Alfred, Jr., Park Ridge, Ill., assignor, by mesne assignments, of twelve-thirtieths to A. Vischer, Jr., two-thirtieths to W. Vischer, two-thirtieths to A. Vischer, III, two-thirtieths to A. Vischer, Jr., as trustee, four-thirtieths to W. W. Zitzewitz, four-thirtieths to E. K. Zitzewitz, one-thirtieth to G. J. Zitzewitz, one-thirtieth to B. O. Zitzewitz, and two-thirtieths to G. V. Bouton. Container closure. 2,628,739, Feb. 17.

Vischer, William, assignee: *See*—
Vischer, Alfred, Jr.

Visco Products Company, assignee: *See*—
Kirkpatrick, Willard H.
Kirkpatrick, Willard H., and Kocher.

Visking Corporation, The, assignee: *See*—
Pierce, Russell F.
Signer, Ralph J.
Signer, Ralph J., and Beal.

Visman, Jan, Brunssum, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Sampling apparatus. 2,654,249, Oct. 6.

Vissat, Anthony L., Pittsburgh, Pa. Mechanical movement. 2,625,048, Jan. 13.

Visser, John, Grand Rapids, assignor to F. L. Jacobs Co., Detroit, Mich. Ash receiver. 2,652,944, Sept. 22.

Visser, Simon H. R.: *See*—
Veenemans, Cornelis F., Visser, and Jansen.

Vitek, Marcel, Geneva, Switzerland. Rectilinear warp knitting machine. 2,636,365, Apr. 28.

Vitramon Incorporated, assignee: *See*—
Lockery, Harry E., and Weller.

Vittetoe, Charles R.: *See*—
Gunther, Charles A., and Vittetoe.

Vittum, Paul W.: *See*—
Graham, Bruce, Vittum, and Weissberger.

Vitz, Carl M., York, Pa., assignor to Read Standard Corporation, New York, N. Y. Unloading conveyer. 2,648,421, Aug. 11.

Vivadent Corporation, assignee: *See*—
Knappwost, Adolf.

Vivian, Arthur C., London, England. Apparatus for use in determining the ultimate tensile strength of steel under impact conditions. 2,660,880, Dec. 1.

Vivian, Harold F.: *See*—
Salo, Martin, and Vivian.

Viviano, Joseph R., assignee: *See*—
Corpora, Michael.

Vivolo, Michael D., New York, N. Y. Salt dispenser. 2,656,074, Oct. 20.

Vixler, Leslie F., Rocky River, assignor to The Patrol Valve Company, Cleveland, Ohio. Gas burner cap with branched outlet ports. 2,638,976, May 19.

Vizner, Herman, Brooklyn, N. Y. Adjustable attaching device. 2,636,239, Apr. 28.

Vizza, Nathan P., Michigan City, Ind. Barber chair. 2,637,370, May 5.

Vlach, Joe, Jr.: *See*—
Cruse, Joseph E., and Vlach.

Vlachos, Constantinos H., Vancouver, Wash. Thermohydraulic power converter. 2,660,123, Nov. 24.

Vlachos, Constantinos H., Vancouver, Wash., and E. M. Ward, Portland, Oreg.; said Ward assignor to said Vlachos. Hydraulic pump and motor transmission and gas pressure prime mover therefor. 2,655,785, Oct. 20.

Vladeff, Theodore, Detroit, Mich. Screen for control of roentgenographic exposures. 2,630,536, Mar. 3.

Vlajinac, Gojko M., Lima, Peru. Averaging device. 2,646,216, July 21.

Vlasic, Matthew J., Youngstown, Ohio. Ice cube machine. 2,646,666, July 28.

Vocelka, John, Elmwood Park, assignor to Wm. W. Nugent & Co., Inc., Chicago, Ill. Fiber disk filter assembly. 2,631,732, Mar. 17.

Vock, William A.: *See*—
Grable, Donovan B., and Vock.

Voda, John J.: *See*—
Wallenbrock, Ralph E., and Voda.

Voda, John J., Evansville, Ind., assignor to International Harvester Company. Illuminated handle for refrigerated cabinet doors. 2,644,882, July 7.

Voda, John J., Evansville, Ind., assignor to International Harvester Company. Milk can hoist with friction brake. 2,654,570, Oct. 6.

Voda, John J., and R. E. Wallenbrock, Evansville, Ind., assignors to International Harvester Company. Breaker strip construction. 2,644,606, July 7.

Vodoz, Fred W., Wilmette, Ill. Barn cleaner. 2,646,158, July 21.

Vodoz, Frederick W., Oconomowoc, Wis. Conveyer shoe and supporting frame. 2,627,338, Feb. 3.

Vodra, Richard J., Hollywood, assignor of one-quarter to J. W. Driver, Los Angeles County, Calif. Automatic Venetian blind assembling machine. 2,635,333, Apr. 21.

Voegeli, Roland-Carlo, Cointrin, Switzerland, assignor to The Givaudan Corporation. Preparation of partial esters of polyhydric alcohols with carboxylic acids. 2,628,967, Feb. 17.

Voelcker, Billy N., Shreveport, La. Penholder. 2,650,570, Sept. 1.

Voelker, Edward H., Huntington Station, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Locally reinforced resin article. 2,654,685, Oct. 6.

Voelker, Elmer G.: *See*—
Bird, Ralph S., and Voelker.

Voelm, K. Herman, assignee: *See*—
Melita, Sebastiano.

Vogel, Alvin R.: *See*—
Feeney, Thomas A., and Vogel.

Vogel, Alvin R., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Aircraft control element force producer. 2,639,875, May 26.

Vogel, Alvin R., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Cable retainer. 2,644,667, July 7.

Vogel, Charles B., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Well logging. 2,651,027, Sept. 1.

Vogel, Erwin: *See*—
Kaess, Franz, Doehlemann, and Vogel.

Vogel, Henry A.: *See*—
Glover, Stewart W., and Vogel.

Vogel, Henry A., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Adsorbent refining of oils. 2,639,289, May 19.

Vogel, Hilmond O.: *See*—
Millard, Lee P., and Vogel.

Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Conveying apparatus. 2,638,385, May 12.

Vogel, Kurt M., Fairfield, assignor to The Vogel Manufacturing Company, Bridgeport, Conn. Container for keys, note pads, and similar articles. 2,631,631, Mar. 17.

Vogel, Lawrence E., Canajoharie, N. Y., assignor to Arkell and Smiths. Disposable pallet. 2,643,080, June 23.

Vogel Manufacturing Company, The, assignee: *See*—
Vogel, Kurt M.

Vogel, Max R., and G. D. La Barre, Easton, and W. M. Perry, Bethlehem, assignors to Binney and Smith Company, Easton, Pa. Artists' water-color paints. 2,662,031, Dec. 8.

Vogel-Peterson Co., assignee: *See*—
Magnuson, Raymond A.

Vogel, Walter, London, England. Separation of solid materials of different specific gravities. 2,658,618, Nov. 10.

Vogel, Wilhelm, and H. Seifert, assignors to Ma
fabric Augsburg-Nurnberg A. G., Augsburg, G
Supercharging four-stroke internal-combustion
2,649,083, Aug. 18.

Vogel, William M., Jr., Mendham, assignor to S
Container, Inc., Rockaway, N. J. Container
sure therefor. 2,637,464, May 5.

Vogelbach, Curt: *See*—
Scheuing, Georg, and Vogelbach.

Vogeley, Clyde E., Jr., Pittsburgh, Pa., and W. I
Chicago, Ill., assignors to Westinghouse Elect
poration, East Pittsburgh, Pa. Re-entrant wa
coupling device. 2,632,805, Mar. 24.

Vogelsang, Francis H.: *See*—
Worrell, Robert L., Lehker, and Vogelsang.

Vogelsang, George K., La Mott, Pa., assignor to Th
Company, New York, N. Y. Resinous composit
prising phenol-aldehyde and ketone-aldehyde c
tion products. 2,629,703, Feb. 24.

Vogelsang, George K., La Mott, Pa., assignor
Borden Company, New York, N. Y. Ketone-a
phenol-aldehyde potentially reactive resinous
tion. 2,634,249, Apr. 7.

Vogelsang, Phelps: *See*—
Hale, William J., and Vogelsang.

Vogelsberg, Walter H., Wayne, assignor to Proct
tric Company, Philadelphia, Pa. Control appar
electric heating units. 2,648,755, Aug. 11.

Vogelsberg, Walter H., Wayne, assignor to Proctor
Company, Philadelphia, Pa. Control apparatus
tric heating units. 2,648,756, Aug. 11.

Vogler, Bruno, Berlin-Charlottenburg, assignor t
& Co. A. G., Berlin, Germany. Counting
2,656,107, Oct. 20.

Vogt, Arthur G., Toledo, Ohio. Lockseamer for co
radiator core blanks. 2,638,861, May 19.

Vogt, Clarence W., Norwalk, Conn. Supplying s
terial articles. 2,626,074, Jan. 20.

Vogt, Clarence W., Norwalk, Conn. Apparatus
process of manufacturing enwrapments. 2
Jan. 27.

Vogt, Clarence W., Norwalk, Conn. Article for p
materials. 2,628,013, Feb. 10.

Vogt, Clarence W., Norwalk, Conn. Package of
lar objects. 2,633,986, Apr. 7.

Vogt, Clarence W., Norwalk, Conn. Method of a
ratus for defining plastic masses. 2,642,620,

Vogt, Clarence W., Norwalk, Conn. Bag
2,647,680, Aug. 4.

Vogt, Clarence W., Norwalk, Conn. Method of a
ratus for producing packaged units of com
2,653,430, Sept. 29.

Vogt, Clarence W., Norwalk, Conn. Chain
2,653,751, Sept. 29.

Vogt, Clarence W., Norwalk, Conn. Bag
2,653,752, Sept. 29.

Vogt, Clarence W., Norwalk, Conn. Supplying
for use in packaging. 2,653,813, Sept. 29.

Vogt, Clarence W., Norwalk, Conn. Apparatus
method of combining enwrapments. 2,660,098,

Vogt, Clarence W., Norwalk, Conn. Bag
2,664,238, Dec. 29.

Vogt, Clarence W., Norwalk, Conn. Packagin
2,664,239, Dec. 29.

Vogt, Ernst: *See*—
Heilpern, Walter G., and Vogt.

Vogt, Hans, Malarhoiden near Stockholm, Sweden
electrode. 2,627,531, Feb. 3.

Vogt, Henry, Machine Company, assignee: *See*
Heuser, Henry V.
Heuser, Henry V., and Fitzner.
Williams, Jesse D., Jr.

Vogt, John F., and R. J. Herbert, assignors to Kr
arch Company, St. Louis, Mo. Plating
2,635,075, Apr. 14.

Vogt, Joseph B., Grosse Pointe Park, Mich. Li
indicator. 2,660,058, Nov. 24.

Vogt, Lucien E., West Roxbury, assignor to F
Manufacturing Company, Boston, Mass. Add
printing tag. 2,626,567, Jan. 27.

Vogt, Rudolph B., assignor to The E. W. Busch
pany, Cincinnati, Ohio. Hook conveyer.
Mar. 31.

Vogt, Rudolph B., Cincinnati, Ohio, and J. F
Pomona, Calif., assignors to The E. W. Busch
pany, Cincinnati, Ohio. Conveyer system.
Dec. 8.

Vogue Manufacturing Corporation, assignee:
Tait, Samuel, Jr.

Voices, Inc., assignee: *See*—
Wolfe, Howard.

Voight, August L., Berea, Ohio. Dispensing a
for bottles. 2,662,670, Dec. 15.

Voight, George A., Shiocton, Wis. Hay bale
device. 2,660,855, Dec. 1.

Voigt, Charles A., Deer River, Minn. Boat hand
ratus. 2,632,900, Mar. 31.

Voigt, Herbert L.: *See*—
Siczkiewicz, Joseph, Jr., and Voigt.

Voigt, Herbert L., and J. Siczkiewicz, Jr., as
Geuder, Paeschke & Frey Co., Milwaukee, Wis.
for ironing tables. 2,659,990, Nov. 24.

Voigt, Johnston S., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Lever and linkage assembly for clutches. 2,635,728, Apr. 21.

Voigt, William H., Bell, Calif. Animal treatment support. 2,630,099, Mar. 3.

Voigtlander, A. G., assignee: *See*—
Naumann, Helmut.
Tronnier, Albrecht W.

Voigtländer & Sohn Aktiengesellschaft, assignee: *See*—
Faulhaber, Fritz.
Noack, Walter, and Naumann.
Tronnier, Albrecht W.

Volt, W. J., Rubber Corporation, assignee: *See*—
Tebbetts, Herbert E., Jr.
Tebbetts, Herbert E., Jr., and Reznicek.

Volty, Maurice, Manhasset, assignor to Serval Slide Fasteners, Inc., Flushing, N. Y. Slide fastener. 2,654,931, Oct. 13.

Vojnovich, Charles: *See*—
Pfeifer, Virgil F., Nelson, Vojnovich, and Lockwood.

Vojta, Robert J., Chicago, Ill. Binding for luggage seams and the like. 2,662,620, Dec. 15.

Vokac, Charles W., Cicero, Ill., assignor to Whiting Corporation. Apparatus for automatically regulating single phase electric furnace electrodes and the like. 2,654,046, Sept. 29.

Vokac, Charles W., Cicero, G. M. Rothenberger, H. and W. A. Morey, Park Forest, Ill., assignors to Whiting Corporation. Hydraulic-electrical apparatus for automatically regulating the position of direct arc electric furnace electrodes. 2,653,269, Sept. 22.

Voland and Sons, Inc., assignee: *See*—
Wasko, Bernard.

Volckening, Lloyd I., executor: *See*—
Salfisberg, Leroy L.
Salfisberg, Leroy L., and David.

Volckening, Lloyd I., Glen Ridge, assignor to Ivers-Lee Company, Newark, N. J. Nose or eye drop package. 2,658,613, Nov. 10.

Vold, John, Wiggins, Colo. Split valve spring keeper inserter. 2,645,005, July 14.

Voleau, Jules P., Boulogne-sur-Seine, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Gas and liquid contact apparatus. 2,651,512, Sept. 8.

Volff, Charles, and B. Bogatenkoff, assignors to l'Aire Liquide, Societe Anonyme pour l'Etude et l'Exploitation des procédés Georges Claude, Paris, France. Direct current electric generator having a large voltage drop. 2,645,731, July 14.

Volgenau, Robert H., Buffalo, N. Y. Blood extracting device. 2,639,709, May 26.

Volgovskoy, Boris, Mount Lebanon Township, Allegheny County, Pa., assignor, by mesne assignments, to McGraw Electric Company. Electrical contact assembly. 2,650,284, Aug. 25.

Volk, Emil A., Jr.: *See*—
Teague, Walter D., Jr., and Volk.

Volk, Emil A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gas turbine engine starter. 2,651,493, Sept. 8.

Volk, J. Vincent, assignee: *See*—
Kent, Howard.

Volk, Jerome V.: *See*—
Legendre, Victor J., and Volk.

Volk, Paul, Erlangen, and H. Spiesecke, Frankfurt am Main, assignors to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Speed controllable drive with electromagnetic gear couplings. 2,657,587, Nov. 3.

Volker, William, and Company of Missouri, Inc., assignee: *See*—
Cumming, George T.

Volkmann, John: *See*—
Newman, Edwin B., and Volkmann.

Volkmann, John E., Haddon Heights, and M. L. Graham, Moorestown, N. J., assignors to Radio Corporation of America. Acoustic filter for microphones. 2,627,932, Feb. 10.

Volkmann, Willy B.: *See*—
Glueckstein, Henry J., and Volkmann.

Volkoff, George M.: *See*—
Zozulin, Igor V., Okulitch, Volkoff, Okulitch, and Ellett.

Vollender, Ferdinand A., Jr., Guttenberg, N. J. Ash tray adapter. 2,647,523, Aug. 4.

Voller, James P., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Weighing and feed device having volume and dribble feed. 2,624,443, Jan. 6.

Voller, James P., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Weight checking device. 2,625,266, Jan. 13.

Vollmer, Wendlin: *See*—
Arnold, Erich, Hellmann, and Vollmer.

Vollten, Theodore F., Bethesda, Md. Combination storage and dispensing rack. 2,653,850, Sept. 29.

Volman, Harold J., Cicero, assignor to Toy Enterprises of America, Inc., Chicago, Ill. Simulated baseball game. 2,631,854, Mar. 17.

Volman, Harold J., Cicero, assignor to Toy Enterprises of America, Inc., Chicago, Ill. Magnetic dart entertainment device. 2,645,490, July 14.

Volman, Harold J., Cicero, Ill., assignor to Toy Enterprises of America, Inc. Magnetic dart game having energizable signals. 2,645,491, July 14.

Volmert, Elmer J.: *See*—
Boice, Elvin G., Peter, and Volmert.

Volner, J W: *See*—
Duncan, Harry H., and Volner.

Volpin, Alexander S., Houston, Tex. Automatic lubricated plug valve. 2,647,720, Aug. 4.

Volpin, Alexander S., Houston, Tex. Arrangement for repacking valve stems under pressure. 2,647,721, Aug. 4.

Volpin, Alexander S., Houston, Tex. Smooth opening automatic lubricated gate valve. 2,657,898, Nov. 3.

Volpin, Alexander S., Houston, Tex. Gate valve. 2,660,191, Nov. 24.

Volpin, Alexander S., Miami Beach, Fla. Quick sealing automatic sealing gate valve. 2,660,397, Nov. 24.

Volsk, Nicholas T.: *See*—
Huber, William A., and Volsk.

Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Collable rule with a detachable connection. 2,646,940, July 28.

Volz, Philip E., Florham Park, N. J., assignor to Radio Corporation of America. Integrating telegraph signal detector. 2,632,053, Mar. 17.

Von, Isaiah, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Reduction of quinone compounds. 2,660,580, Nov. 24.

Von Aesch, Otto, Fontainemelon, assignor to Fabrique d'Horlogerie de Fontainemelon S. A., Fontainemelon, Canton of Neuchatel, Switzerland. Self-winding timepiece. 2,646,661, July 28.

Von Allmen, Godfrey, Louisville, Ky. Container lid lifter. 2,634,074, Apr. 7.

Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz A. G., Basel, Switzerland. Sulfonated hydroarylamino anthraquinones. 2,649,465, Aug. 18.

Von Allmen, Samuel, and H. Eggenberger, Basel, Switzerland. Acid dyestuffs of the anthraquinone series. 2,659,736, Nov. 17.

Vonders, Karel, assignor of eighty per cent to J. Nolten, Holten, and twenty per cent to W. F. H. Zegers, The Hague, Netherlands. Method and machine for removing fibers from plant stems. 2,641,803, June 16.

Von der Werth, Gordon, San Francisco, Calif. Laminated metal circular and band saws. 2,624,381, Jan. 6.

Von Ediger, Wladimir, London, England, assignor, by mesne assignments, to Techanical Assets Incorporated, New York, N. Y. Production of acetylene from liquid hydrocarbons. 2,632,731, Mar. 24.

Von Essen, John F., Floral Park, N. Y. Condiment shaker with novel closing cap. 2,656,076, Oct. 20.

Von Fraunhofer, Hans, London, England, and H. Verkinderen, and L. Meeussen, Mortsel-Antwerp, Belgium, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium, and Chromart Film Industries, New York, N. Y. Color photographic element. 2,659,671, Nov. 17.

Von Glahn, William H., Loudonville, and H. A. Bergstrom, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Making stabilized diazonium salts. 2,628,959, Feb. 17.

Von Gugelberg, Hans L., Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode gaseous discharge device. 2,646,523, July 21.

Von Hacht, William H., Bronxville, assignor to Underwood Corporation, New York, N. Y. Automatic skip-tab tabulating mechanism for accounting machines. 2,650,758, Sept. 1.

Von Hauteville, Tankred, Stuttgart, Wurttemberg, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Arrangement of electrodes for dielectric radio-frequency heating of non-conductors, for example, thermoplastic materials. 2,660,660, Nov. 24.

Von Hippel, Arthur, Weston, and M. C. Bloom, Newton Highlands, Mass., assignors, by mesne assignments, to Federal Telephone and Radio Corporation, New York, N. Y. Electrodeposition of selenium. 2,649,409, Aug. 18.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label applying mechanism. Re. 23,668, June 16.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label applying mechanism. 2,651,429, Sept. 8.

Von Hofen, Earl W., Pittsburgh, Pa., and F. R. Whitney, Lorain, Ohio, assignors to United States Steel Corporation. Foundry drying oven. 2,653,392, Sept. 29.

Von Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Resilient end washer renewable fuse. 2,650,283, Aug. 25.

Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Tamper resisting fuse. 2,626,300, Jan. 20.

Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Renewable fuse link. 2,644,060, June 30.

Von Hoorn, Fred G., Trumbull, Conn., assignor to General Electric Company. Renewable fuse end washer. 2,655,577, Oct. 13.

Von Hoorn, Fred G., and H. B. Bennett, Bridgeport, Conn., assignors to General Electric Company. Renewable with porous metal ends. 2,652,467, Sept. 15.

Vonk, Cornelius G., Herrin, assignor to Borg-Warner Corporation, Chicago, Ill. Water volume control. 2,651,693, Sept. 8.

Von Kohorn, Ralph S., New York, N. Y. Thread tensioning device. 2,624,527, Jan. 6.

Von Lassberg, Dietrich, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Piston for internal-combustion engines. 2,657,961, Nov. 3.

Von Lienen, Emil H., Fahrzeugfabrik, assignee: *See*—
Kranawetvogel, Anton, and Rosin.

Von Ludwig, Davidlee, Brooklyn, N. Y., assignor, by mesne assignments, to Selas Corporation of America, Philadelphia, Pa. Electromagnetic vibrator apparatus for treating molten metal. 2,660,414, Nov. 24.

Von Maur, Jacob E., Upper Arlington, Ohio, assignor to Metalwash Machinery Company, Elizabeth, N. J. Conveyer mechanism. 2,657,696, Nov. 3.

Vonnegut, Anton, assignee: *See*—
Bruner, George W.

Vonnegut, Bernard, Alplaus, N. Y., assignor to General Electric Company. Surface tension measuring device. 2,627,177, Feb. 3.

Von Schickh, Otto, Ludwigshafen (Rhine), and W. Froese, Weinheim, Bergstrasse, Germany. Plasticized polyvinyl chlorides. 2,648,652, Aug. 11.

Von Seemann, Carl, and G. A. Grant, Montreal, Quebec, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. Pyrrolidine analgesic. 2,654,764, Oct. 6.

Von Soden, Adolph F.: *See*—
Osborne, Michael B., and von Soden.

Von Stackelberg, Yurgen Z., and W. A. Safka, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Plastic identification sleeve. 2,629,953, Mar. 3.

Von Stoeser, Walter, Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Vending machine. 2,633,959, Apr. 7.

Von Stoeser, Walter, Lake Villa, Ill., assignor to Lectromatic Devices, Inc. Holding relay. 2,658,123, Nov. 3.

Von Stoeser, Walter, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Beverage dispensing apparatus. 2,657,628, Nov. 3.

Von Stroh, Gerald F. H., Huntington, W. Va., assignor to Bituminous Coal Research, Inc., Washington, D. C. Rotary cutter bit. 2,657,916, Nov. 3.

Von Stroh, Gerald F. H., and F. R. Clarke, Jr., Huntington, W. Va., assignors to Bituminous Coal Research, Inc., Washington, D. C. Flexible belt connector. 2,633,614, Apr. 7.

Von Szilágyi, Franz, Bruck a. d. Leitha, Austria, assignor to G. Klammer, as trustee, Olmsted Falls, Ohio. Adjustable resilient shock absorbing support for vehicle saddles. 2,639,760, May 26.

Von Wangenheim, Adolf, assignor to Detroit Controls Corporation, Detroit, Mich. Thermostatic mixing valve. 2,657,850, Nov. 3.

Von Weise, William G., St. Louis, Mo. Fluid actuated diaphragm for collet chucks. 2,664,108, Dec. 29.

Von Wittern, Wolf-Wito, Dayton, Ohio. Accelerometer pickup of very small size and weight. 2,653,302, Sept. 22.

Von Wolsogen Kühr, Paul F. A., assignor to Werkspoor N. V., Amsterdam, Netherlands. Universal joint, especially for locomotives driven by electromotors. 2,636,449, Apr. 28.

Von Zelewsky, Ottomar, Neuhausen am Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Hydraulic copying device for lathes. 2,645,084, July 14.

Von Zelewsky, Ottomar, Neuhausen am Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Support of copying lathes. 2,645,148, July 14.

Von Zelewsky, Ottomar, Neuhausen am Rheinfall, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Hydraulic copying device for lathes. 2,645,149, July 14.

Von Zelewsky, Ottomar, Neuhausen am Rheinfall, assignor to Aktiengesellschaft der Eisen-und Stahlwerke, vormals Georg Fischer, Schaffhausen, Switzerland. Profiling attachment. 2,645,967, July 21.

Voorhees, Harris W.: *See*—
Acock, George W., Suppers, and Voorhees.

Voorhees, Vanderveer, Los Altos, Calif., assignor to Standard Oil Company, Chicago, Ill. Hydraulically fracturing well formation. 2,645,291, July 14.

Voorheis, Wylie J.: *See*—
Meinzinger, Jacob, and Voorheis.

Voorhies, Alexis, Jr., and C. E. Adams, Baton Rouge, La., assignors to Standard Oil Development Company. Production of aromatics and saturated aliphatics. 2,626,286, Jan. 20.

Voorhies, James A., and J. E. Frazier, assignors to Frazier-Simplex, Inc., Washington, Pa. Glass level indicator. 2,625,593, Jan. 13.

Voorhorst, Bertha T., Washington, D. C. Copyholder for typists. 2,650,568, Sept. 1.

Vordahl, Milton B., Trumbull, Conn., R. H. Grace, Athol, Mass., and P. H. Eccleston, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Metal finishing method. 2,639,244, May 19.

Vore, Milton P.: *See*—
Corteggiano, William L., Vore, and Edwards.

Vore, Milton P., Catonsville, and R. E. Kirby, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for dielectric heating. 2,640,141, May 26.

Vore, Milton P., Catonsville, and M. J. Gelpi, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for measuring the vector difference of two alternating current voltages. 2,656,509, Oct. 20.

Vosbikian, Joseph: *See*—
Vosbikian, Samuel P., M., and J.

Vosbikian, Manuel: *See*—
Vosbikian, Samuel P., M., and J.

Vosbikian, Peter S. and T. S., Melrose, Pa. Flexible mop with flexible back carrying absorbent material with hinged cover plates. 2,637,059, May 5.

Vosbikian, Peter S. and T. S., Melrose, Pa. Mop and extractor therefor. 2,643,407, June 30.

Vosbikian, Samuel P., M., and J., Melrose, Pa. Mop having sectional head with contrasting cleaning material. 2,641,787, June 16.

Vosbikian, Thomas S.: *See*—
Vosbikian, Peter S., and T. S.

Vose, Edwin W., Orange, N. J., assignor to Spray Process Co. Inc. Liquid sprayer. 2,625,433, Jan. 13.

Vose, Edwin W., Orange, N. J., assignor to Spray Process Co. Inc. Liquid sprayer. 2,648,569, Aug. 11.

Voslamber, Berend J., Hoogkerk, assignor to N. V. Betonfabriek De Meteoor, De Steeg, Netherlands. Producing a sharply bent corner in a plate. 2,639,495, May 26.

Vosler, Edward J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Pressure band for brake linings. 2,642,917, June 23.

Vosper, Waynard R., Guilford, Conn. Self-centering cutter. 2,642,137, June 16.

Voss, Arnold W., and R. M. Trachte, Madison, Wis. Pocketed file folder. 2,633,848, Apr. 7

Voss Brothers Manufacturing Co., assignee: *See*—
Grey, Victor A.
Seiferth, Oscar E.

Voss, Emil C. Davenport, Iowa. Seed hopper valve operating mechanism. 2,661,956, Dec. 8.

Voss, Henry J.: *See*—
Entwistle, George, and Voss.

Voss, Henry H., and J. D. Moheiser, Chicago, Ill. Therapeutic traction table. 2,630,800, Mar. 10.

Voss, John H., Chicago, Ill. Portable collapsible snake apparatus. 2,645,993, July 21.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Centralized control circuits for flat type switches. 2,663,761, Dec. 22.

Voss, Otto J., Normandy, Mo., assignor to The Simmons National Bank, Pine Bluff, Ark., as trustee. Oscillating mechanism for washing machines and the like. 2,634,615, Apr. 14.

Voss, Robert, East Haven, Conn. Shaft-aligning mechanism. 2,634,939, Apr. 14.

Voss, Walter W., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,626,106, Jan. 20.

Vossberg, Carl A., Jr., Lynbrook, N. Y. Measuring apparatus. 2,632,117, Mar. 17.

Vossberg, Carl A., Jr., Lynbrook, N. Y. Measuring system. 2,659,823, Nov. 17.

Vossler, Henry, assignor to Imperial Knife Company, Inc., Providence, R. I. Knife. 2,637,102, May 5.

Votypka, John W., assignor to Detroit Harvester Company, Detroit, Mich. Drum type unit installation. 2,640,682, June 2.

Voyce, Willis M., Johnstown, Pa. Variable pitch propeller. 2,625,999, Jan. 20.

Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Drive for sealing washers. 2,624,600, Jan. 6.

Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Cooling system for double seals. 2,628,852, Feb. 17.

Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. High-pressure rotary seal with O ring. 2,653,837, Sept. 29.

Voznica, Karel, Brunn, Czechoslovakia. Rotary compressor for gas or liquids with rotor eccentrically mounted in cylindrical housing. 2,633,292, Mar. 31.

Vozzi, Joseph J.: *See*—
Bonner, Edwin K., Jr., and Vozzi.

Vrat, Ved, Belmont, assignor to The Permanente Foundation, Oakland, Calif. Producing arginase. 2,663,668, Dec. 22.

Vreeland, Whitney, Portland, Oreg. Cutting tool. 2,641,048, June 9.

Vroman, William R.: *See*—
Willett, George H., Jr., and Vroman.

Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,648,831, Aug. 11.

Vroom, Harold B., Simsbury, assignor to Veeder-Root Incorporated, Hartford, Conn. Resetting means for counter mechanism. 2,630,971, Mar. 10.

Vroom, Kenneth E.: *See*—
O'Brien, Joseph F., Cataldo, and Vroom.

Vroom, Kenneth E., West Englewood, and E. De F. Tidd, Clinton, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Thermostatic and circuit breaker device. 2,644,873, July 7.

Vulcan Corporation, assignee: *See*—
Clausing, Henry G.
Otte, Charles W.

Vulcan Radiator Company, The, assignee: *See*—
Downs, Bernard I.

Vulcan Research Corporation, assignee: *See*—
Westling, Carl J.

Vulcan Tool Company, The, assignee: *See*—
Zelik, Joseph F., Jennings, and High.

Vutz, Wilhelm, Coldwater, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Hay baler. 2,630,064, Mar. 3.

Vychodoceske Chemicke Zavody, narodni podnik, assignee: *See*—
Daněk, Otto, and Nosek.

W-B Chemical Company, Inc., assignee: *See*—
Wittwer, George G.

W. & F. Manufacturing Co., Inc., The, assignee: *See*—
Williams, Paul A.

W. Ferd. Klingelnberg Sohne, assignee: *See*—
Schicht, Heinrich.

W. H. O. Alfalfa Milling Company, assignee: *See*—
Oberwortman, Walter H.

Waag, Harry O., and S. R. Prance, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Decorating plastics. 2,663,911, Dec. 29.

Waber, Donald, and R. Braunstein, Jr., Philadelphia, Pa. Dispensing container. 2,645,336, July 14.

Waber, James W., Chicago, Ill. Inner tube for pneumatic tires. 2,633,177, Mar. 31.

Wachowski, Theodore J., Wheaton, Ill. Adjustable garment hanger support. 2,634,892, Apr. 14.

Wachtel, Louis W., and C. E. Meyer, assignors to The Upjohn Company, Kalamazoo, Mich. Therapeutic fat product. 2,646,354, July 21.

Wachtell, George P., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse generating circuit. 2,633,530, Mar. 31.

Wachter, Aaron, Oakland, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Vapor-phase corrosion inhibitor. 2,629,649, Feb. 24.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Vapor phase inhibitors of corrosion. 2,630,368, Mar. 3.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Compositions for protection of metals against corrosion. 2,643,176, June 23.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Vapor phase corrosion inhibition of metals. 2,643,177, June 23.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Corrosion inhibition. 2,643,178, June 23.

Wack, Floyd W.: *See*—
Zagray, Harold F., and Wack.

Wacker, Dr. Alexander, Gesellschaft für Elktrochemische Industrie G. m. b H., assignee: *See*—
Nitzsche, Siegfried.

Wacker-Chemie G. m. b. H., assignee: *See*—
Gruber, Wolfang, Heckmaier, and Zoebelein.
Nitzsche, Siegfried.
Nitzsche, Siegfried, and Pirson.

Wackher, Richard C., La Grange, and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of phenolic compounds. 2,647,931, Aug. 4.

Waco Aircraft Company, The, assignee: *See*—
Brukner, Clayton J.

Waddell, Jacob W., Waverly, Ohio. Mason's level. 2,645,018, July 14.

Waddell, John H., North Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Optical projecting comparator. 2,627,780, Feb. 10.

Waddey, Walter E.: *See*—
Cyphers, Elmer B., and Waddey.

Waddill, Paul M., Bartlesville, and F. C. Fowler, Norman, Okla., assignors to Phillips Petroleum Company. Effective catalytic conversion of hydrocarbons. 2,662,003, Dec. 8.

Waddington, John, Limited, assignee: *See*—
Bradley, Harry.

Wade, Charles E., Chevy Chase, Md., assignor, by mesne assignments, to The Kenwood Corporation, Washington, D. C. Typewriter pedestal desk. 2,643,167, June 23.

Wade Electric Products Company, assignee: *See*—
Herterick, Vincent R.
Winkelmeyer, Robert D., and Herterick.

Wade, Elmer C., New York, N. Y. Gyroscopic valve control for hydraulic circuits. 2,642,885, June 23.

Wade, Francis A., Point Pleasant, and W. Metzner, Philadelphia, Pa. Controlled lead pencil. 2,657,671, Nov. 3.

Wade, James T., Ogden, Utah. Manual release valve for railway air brake systems. 2,635,925, Apr. 21.

Wade, Worth, Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for forming, stuffing, and shaping casings. 2,638,624, May 19.

Wadell Equipment Co., assignee: *See*—
Woerner, William.

Wadhams, James B., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. High-frequency inductor. 2,655,588, Oct. 13.

Wadley, Edward F.: *See*—
Hoffman, Edward J., and Wadley.

Wadley, Edward F., Baytown, and J. T. Horeczy, Cedar Bayou, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of oxygenated organic compounds from hydrocarbons. 2,661,362, Dec. 1.

Wadman, Frank J., Yakima, Wash. Airplane insecticide spraying and dusting apparatus. 2,626,769, Jan. 27.

Wadsworth Electric Mfg. Co., The, assignee: *See*—
Boller, William D., Berkley, Ernst, and Landmeier.

Wadsworth, Francis T., Dickinson, assignor to Pan American Refining Corporation, Texas City, Tex. BF_3-iodine polymerization of unsaturated hydrocarbon mixtures. 2,631,996, Mar. 17.

Wadsworth, Howard M., Liverpool, N. Y. Detachable electrical connector. 2,653,304, Sept. 22.

Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen and F. B. Diesbach, Hamilton, Ohio, trustees. Combined guide and table structure. 2,657,051, Oct. 27.

Waeldner, William J.: *See*—
Kurth, Franz J., Phillips, and Waeldner.

Waeselynck, Raymond F. M., Indret, Loire-Inferieure, assignor to Societe Rateau (Societe Anonyme), and Rene Anxionnaz, Paris, France. Power plant comprising the combination of gas and steam turbines with a supercharged furnace steam-generator. 2,663,145, Dec. 22.

Wagenhals, Robert E.: *See*—
Kiehl, Royal D., and Wagenhals.

Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Television apparatus. 2,635,142, Apr. 14.

Waggener, Frances S., Davis, Calif. Clip for contoured hair. 2,660,184, Nov. 24.

Waggoner, Jack, H., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Producing synthetic mica. 2,645,060, July 14.

Wagner, Adam, A. Bröhl, and W. Jung, Wetzlar (Lahn), Germany, assignors to Ernst Leitz, G. m. b. H. Photoflash synchronizing mechanism for focal plane shutter cameras. 2,646,734, July 28.

Wagner, Adolph A., A. J. Werner, and J. Tumpak, Milwaukee, Wis.; said Tumpak assignor to said Wagner and said Werner. Taping machine. 2,649,221, Aug. 18.

Wagner, Adolph A., Milwaukee, A. J. Werner, Elm Grove, and W. R. Ross, Milwaukee, Wis. Taping machine. 2,653,727, Sept. 29.

Wagner, Adolph A., Milwaukee, and A. J. Werner, Elm Grove, assignors to Wagner Iron Works, Milwaukee, Wis. Concrete mixer with lifting and tilting mechanism. 2,664,276, Dec. 29.

Wagner, Arthur A.: *See*—
Koup, Alfred L., and Wagner.

Wagner, Arthur W., assignor to Easy Power, Incorporated, Milwaukee, Wis. Centrifugally engaged clutch. 2,663,396, Dec. 22.

Wagner, Bernard, Crafton, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Float valve. 2,638,111, May 12.

Wagner, Bernard, Crafton, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Self-priming centrifugal pump unit for liquid dispensing apparatus. 2,639,671, May 26.

Wagner Brothers, Inc., assignee: *See*—
Donnelly, Harold G.
Vander Wal, Henry J.

Wagner, Carl J., Detroit, Mich. Trailer attached jack. 2,638,315, May 12.

Wagner, Carolyn L., executrix: *See*—
Wagner, Victor R.

Wagner, Cary R., Utica, Ohio, W. N. Axe, Bartlesville, Okla., and C. M. Himel, Palo Alto, Calif., assignors to Phillips Petroleum Company. Drilling fluids and using same. 2,626,239, Jan. 20.

Wagner, Clyde L., Tulsa, Okla. Fish lure. 2,639,537, May 26.

Wagner, Don A., Highland, Ind., assignor to Sinclair Refining Company, New York, N. Y. Light distillate compositions. 2,646,349, July 21.

Wagner, E. R., Manufacturing Company, assignee: *See*—
Himes, John M.
Miller, Lester C.
Wagner, Robert S., Himes, and Duwe.

Wagner Electric Corporation, assignee: *See*—
Britt, Bryant L.
Brunner, Albert.
Fites, Cyril B.
Freeman, Walter R.
Klinksiek, Karl W.
Regna, Angelo J.
Regna, Paul G.
Schnell, Steve.

Wagner, Elmer A., Portland, Oreg. Telescoping tower vehicle. 2,632,530, Mar. 24.

Wagner, Ernst, Konstantz, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfurt am Main, Germany. Preparation of chlorine dioxide. 2,653,079, Sept. 22.

Wagner, Erwin and W. S., assignors to Wagner Sign Service, Inc., Chicago, Ill. Changeable display sign. 2,633,652, Apr. 7.

Wagner, Felix F., Bremen-Oberneuland, Germany. Massaging device. 2,628,611, Feb. 17.

Wagner, Franz, assignor to O-Cedar Corp'n, Chicago, Ill. Resilient mophead structure and handle mounting. 2,646,588, July 28.

Wagner, Frederick A., East Lansing, A. D. Pierce, and J. Gedmin, Lansing, assignors to Campbell, Wyant and Cannon Foundry Co., Muskegon Heights, Mich. Means for unloading articles from overhead conveyers. 2,643,761, June 30.

Wagner, George B., Holbrook, Mass., assignor to Normandy Chemical Corporation, Muskegon, Mich. Antislip ice solvent product and process. 2,626,219, Jan. 20.

Wagner, George H.: *See*—
Erickson, Charles E., and Wagner.
Shafer, Paul W., and Wagner.

Wagner, George H., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Reaction of silanes with aliphatic unsaturated compounds. 2,637,738, May 5.

Wagner, George H., Kenmore, N. Y., assignor to Union Carbide and Carbon Corporation. Chlorosilanes. 2,657,114, Oct. 27.

Wagner, George H., Kenmore, and C. O. Strother, Buffalo, N. Y., assignors to Union Carbide and Carbon Corporation. Producing organosilicon compounds. 2,632,013, Mar. 17.

Wagner, George P., Mount Vernon, N. Y., assignor to The Engineering Development Company, Incorporated, Dallas, Tex. Fluid motor for driving rotary tools. 2,646,962, July 28.

Wagner, Harold A., Portland, Oreg. Front apron adjusting mechanism for carry-type scrapers. 2,642,681, June 23.

Wagner, Harold H., assignor to Caterpillar Tractor Co., Peoria, Ill. Dual control mechanism. 2,660,902, Dec. 1.

Wagner, Harold H., Peoria, Ill., and E. B. Williams, Indianapolis, Ind., assignors to Caterpillar Tractor Co., Peoria, Ill. Engine crankcase breather and oil separator. 2,642,052, June 16.

Wagner, Harry H.: *See*—
Dale, Colin B., Berg, and Wagner.

Wagner, Herbert M., Asbury Park, N. J. Electron apparatus for high-frequency performance. 2,632,127, Mar. 17.

Wagner, Hiram J., Charleston, W. Va. Apparatus for detecting seepage of water into wells. 2,625,039, Jan. 13.

Wagner Iron Works, assignee: *See*—
Wagner, Adolph A., and Werner.

Wagner, James M., Harrisburg, Pa. Automobile brake shoe lining protector. 2,643,450, June 30.

Wagner, Jean, Paris, France. Apparatus for automatic withdrawing of pulp articles from molds. 2,663,230, Dec. 22.

Wagner, John L., Endwell, W. Webb, Endicott, and R. N. Eichorn, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Electric time system with electronic self-regulation. 2,647,360, Aug. 4.

Wagner, John O., Palisade, N. J. Dishwashing machine. 2,633,140, Mar. 31.

Wagner Malleable Iron Company, assignee: *See*—
Steinhoff, Harvey E.

Wagner, Otto, Berlin-Schlachtensee, Germany. Electromagnetic type of mixer. 2,641,452, June 9.

Wagner, Paul E., Beaver Springs, Pa. Automatic chain conveyer type poultry feeder. 2,652,808, Sept. 22.

Wagner, Robert A.: *See*—
Horton, Joseph W., and Wagner.

Wagner, Robert J., Philadelphia, and H. E. Hortman, Jr., Southampton, assignors to Proctor Electric Company, Philadelphia, Pa. Cooking apparatus. 2,660,658, Nov. 24.

Wagner, Robert S., J. M. Himes, and A. J. Duwe, assignors to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Carpet sweeper. 2,651,796, Sept. 15.

Wagner, Robert W., Chelsea, Mich. Power take-off. 2,636,390, Apr. 28.

Wagner Sign Service, Inc., assignee: *See*—
Wagner, Erwin and W. S.

Wagner, Victor R., deceased, Lakewood, N. Y., assignor to C. L. Wagner and V. R. Wagner, Jr., executors. Utility stove. 2,646,031, July 21.

Wagner, Victor R., Jr., executor: *See*—
Wagner, Victor R.

Wagner, Walter S.: *See*—
Wagner, Erwin and W. S.

Wagner, Willard F., Detroit, assignor of one-half to C. W. Glenn, Centerline, Mich. Lighter. 2,639,597, May 26.

Wagner, Willard F., assignor of one-half to C. W. Glenn, Detroit, Mich. Lighter. 2,660,042, Nov. 24.

Wagner, William, New York, N. Y. Magnetic check valve. 2,646,071, July 21.

Wagner-Woodruff Co., assignee: *See*—
Solomon, Daniel.

Wahl, Albert J., Brocton, N. Y., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Automatic ware dealing and transferring apparatus. 2,639,045, May 19.

Wahl, Arnold S., Chicago, Ill. Milk-papaya powders, beverages made therefrom, and producing the same. 2,650,165, Aug. 25.

Wahl Clipper Corporation, assignee: *See*—
Wahl, Leo J.

Wahl, Eugene A.: *See*—
Wood, Alfred G., Laval, Callaghan, Wahl, Greulich, and Boehl.

Wahl, Eugene A., Garden City, N. Y., W. Boehl, Union, and O. A. Badenhausen, Brookside, assignors to P. Ballantine & Sons, Newark, N. J. Article raising or lowering conveyer. 2,628,708, Feb. 17.

Wahl, Eugene A., Garden City, N. Y., and W. Boehl, Union, assignors to P. Ballantine & Sons, Newark, N. J. Carton filling machine. 2,646,656, July 28.

Wahl, Harold F., assignor to Hyster Company, Portland, Oreg. Apparatus for the transportation of pulpwood and the like. 2,643,012, June 23.

Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Scissors. 2,626,460, Jan. 27.

Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Transmission for electric hair clippers. 2,640,261, June 2.

Wahl, Otto: *See*—
Schwab, John J., and Wahl.

Wahlbeck, John H.: *See*—
Gustafson, Bernard A., and Wahlbeck.

Wahlberg, Arnold O., Minneapolis, Minn. Holder for nursing bottles. 2,628,802, Feb. 17.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Flexible shaft coupling. 2,654,235, Oct. 6.

Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Transmission shifting means. 2,631,707, Mar. 17.

Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Vehicle wheel suspension. 2,635,895, Apr. 21.

Wahlberg, Nils E., Chicago, Ill., and J. F. Sladky, Plymouth, Mich., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Overdrive kickdown control means. 2,629,454, Feb. 24.

Wahlberg, Nils E., Chicago, Ill., and G. V. Hedstrom, assignors to Nash-Kelvinator Corporation, Kenosha, Wis. Spring means. 2,646,275, July 21.

Wahle, Adolph, assignor to W. H. Martin, Davenport, Iowa. Centrifugal pump. 2,659,312, Nov. 17.

Wahlfeld, Otto, Peoria, Ill. Siding structure. 2,648,103, Aug. 11.

Wahlin, Fred W., Oak Park, assignor to Spraying Systems Co., Chicago, Ill. Antidrip valve for spray nozzles. 2,639,194, May 19.

Wahlmark, Gunnar A., Rockford, Ill. Pressure regulating valve. 2,638,109, May 12.

Wahlmark, Gunnar A., Rockford, Ill. Fluid seal. 2,640,736, June 2.

Wahlmark, Gunnar A., Rockford, Ill. Motor-driven fluid distribution system. 2,654,323, Oct. 6.

Wahlmark, Gunnar A., Rockford, Ill. Fluid displacement device. 2,658,456, Nov. 10.

Wainer, Eugene, Cleveland, Ohio, assignor, by mesne assignments, to Radio Corporation of America. Modified barium titanate ceramic materials. 2,646,359, July 21.

Waisanen, Niilo F., Detroit, Mich. Brush rest. 2,631,325, Mar. 17.

Wait, Louis S., Beverly Hills, Calif., assignor to North American Aviation, Inc. Piston seal. 2,640,745, June 2.

Waite Corporation, assignee: *See*—
Waite, Jackson L.

Waite, Jackson L., Cleveland, Ohio., assignor to Waite Corporation. Replacement valve unit. 2,634,944, Apr. 14.

Waite & Saville Limited, assignee: *See*—
Whyte, Fred.

Wakefield, F. W., Brass Company, The, assignee: *See*—
Beckwith Herbert L.
Wakefield George P.

Wakefield, George P., Vermilion, Ohio. Hook and eye gaff. 2,630,344, Mar. 3.

Wakefield, George P., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Combination luminous and acoustical ceiling. 2,659,807, Nov. 17.

Wakefield, George P., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Luminaire for elongated tubular lamps. 2,659,811, Nov. 17.

Wakefield, Harold F., Bloomfield, S. J. Schultz, Cranford, and S. H. Richardson, Millington, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Polyester resins modified with complex metal-phenol-nitrogen compounds. 2,630,419, Mar. 3.

Wakefield, Ralph V.: *See*—
Alderson, Dwight A., Wakefield, and Reichardt.

Wakefield, Richard E. B., Aldan, assignor to Shallcross Manufacturing Company, Collingdale, Pa. Resistor terminal construction. 2,636,963, Apr. 28.

Wakefield, Walter H.: *See*—
Krukonis, Alexander C., and Wakefield.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing loom. 2,627,286, Feb. 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,630,843, Mar. 10.

Wakley, Emory F., assignee: *See*—
Wakley, John W.

Wakley, John W., assignor of one-half to E. F. Wakley, Modesto, Calif. Journal assembly. 2,630,142, Aug. 23.

Walbert Machine Company, assignee: *See*—
Skow, Ross E.

Walch, Gerald E.: *See*—
Manning, Charles E., and Walch.

Walch, Lila M., Los Angeles, Calif. Collapsible tube closure openable by pressure of the contents. 2,657,829, Nov. 3.

Walcher, Alfred, assignor to American Steel Foundries, Chicago, Ill. Cleaning castings. 2,654,682, Oct. 6.

Walcher, Frank, Chicago, Ill. Electric signaling device. 2,634,409, Apr. 7.

Walckhof, Max: *See*—
Clemens, Ogden A., Mertens, and Walckhof.

Walco, Inc., assignee. *See*—
Wallace, David A.

Wald Industries, Inc., assignee: *See*—
Horn, John C., and Wilson.

Waldbauer, Rueben, Winnipeg, Manitoba, Canada. Friction-driven sharpening device. 2,626,485, Jan. 27.

Walden, Jack R.: *See*—
Doolittle, Donald B., and Walden.

Walden, John L., assignee: *See*—
Balmain, Lester H.

Walder, Robert B., Balboa Island, assignor to Rheem Manufacturing Company, Richmond, Calif. Vertical automatic machine tool. 2,635,325, Apr. 21.

Walder, Robert B., Burbank, assignor, by mesne assignments, to Rheem Manufacturing Company, Richmond, Calif. Pneumatic servomotor. 2,624,318, Jan. 6.

Walder, Robert B., Detroit, Mich. Automatic transmission. 2,641,936, June 16.

Walder, Robert B., Los Angeles, Calif. Rotary valve. 2,663,290, Dec. 22.

Waldes Kohinoor, Inc., assignee: *See*—
Heimann, Heinrich, and Shur.
Soave, John G.
Wurzel, Hugo.

Waldesbuehl, Paul N., Bremgarten, Switzerland. Spattle spoon. 2,634,497, Apr. 14.

Waldhaus, Edith A., Birmingham, Ala. Apparatus for oral anesthesia. 2,638,096, May 12.

Waldheim, John J., and E. O. Bartolucci, assignors to Bartolucci & Waldheim, Chicago, Ill. Chair. 2,659,419, Nov. 17.

Waldie, George A., Worthington, and R. M. Conklin, Columbus, Ohio, assignors, by mesne assignments, to The Wayne Pump Company, Salisbury, Md. Fluid meter. 2,628,595, Feb. 17.

Walding, Samuel O., Santa Monica, Calif. Weight indicating cart. 2,659,591, Nov. 17.

Waldkötter, Erich G. R.: *See*—
Spenke, Eberhard H. G., Rose, and Waldkötter.

Waldorf Paper Products Company, assignee: *See*—
Bergstrom, Carl N.
Dunning, Robert M.
Guyer, Reynolds.
Hennessey, Russell J.
Hennessey, Russell J., and Jamieson.
Langford, Cary J.
Myers, John H.
Owen, Raymond S.
Sandberg, Nels H., and Ronning.
Schilling, Paul A.
Schilling, Paul A., Mairs, and Baird.

Waldrich, Oskar, Werthenbach, Kreis Siegen, Germany. Planing machine. 2,646,727, July 28.

Waldron, Benjamin F., Brookhaven, Miss. Axially movable plug valve. 2,625,363, Jan. 13.

Waldron, Benjamin F., Corpus Christi, Tex. Fluid end pump head. 2,650,868, Sept. 1.

Waldron, George W.: *See*—
Noddings, Charles R., Waldron, and Corey.

Waldron, Stoddard S., Levittown, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Vapor generator and multipass superheater with a vapor temperature control system. 2,638,079, May 12.

Waldrop, Morris M., Greenville, S. C., assignor to J. P. Stevens & Co., Inc. Traverse motion for yarn winding machines and the like. 2,658,689, Nov. 10.

Waldvogel, Hans, Zurich, Switzerland. Mixing concrete by gravitational vibration. 2,646,975, July 28.

Waldvogel, Jakob: *See*—
Borgeaud, Gaston, and Waldvogel.

Wale, Herbert E., Retsil, Wash. Attachment for garden rakes. 2,637,261, May 5.

Walendzik, Henry S.: *See*—
Sivo, Walter, and Walendzik.

Wales, George F., Kenmore, N. Y. Clutch mechanism. 2,627,758, Feb. 10.

Wales, George F., Kenmore, N. Y. Instruction accessory for chess games. 2,647,749, Aug. 4.

Wales, George F., Kenmore, N. Y. Game piece with punch. 2,651,521, Sept. 8.

Wales, George F., Kenmore, and P. H. Taylor, North Tonawanda, N. Y., said Taylor assignor to said Wales. Apparatus for nibbling. 2,650,663, Sept. 1.

Wales, Lester C., Portland, Maine. Water wheel. 2,632,625, Mar. 24.

Wales, Lester C., Winthrop, Maine. Two-cycle diesel engine. 2,635,594, Apr. 21.

Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Pneumatic agitator washer. 2,625,029, Jan. 13.

Wales, Nathaniel B., Jr., Morristown, N. J., assignor to T. Backer, New York, N. Y. Centrifugal blower. 2,632,598, Mar. 24.

Wales, Stanley G., Jr., assignee: *See*—
Holm, Julius A.

Wales-Strippit Corporation, assignee: *See*—
Taylor, Paul H.
Weisbeck, Ralph L.
Zumwalt, Robert F.

Walgamott, Arthur C.: *See*—
Sherwood, Robert C., Cunningham, Walgamott, and Urban.

Walgreen Co., assignee: *See*—
Maker, Edwin J., and Gibson.
Van Haften, Lester W., and Hanby.

Walker, Alec H. B., assignor to Westinghouse Brake and Signal Company, Limited, London, England. Means for suppressing arcing at contacts breaking a direct current inductive circuit. 2,637,769, May 5.

Walker, Bernard M., Glendale, Calif. Shopper's cart. 2,639,163, May 19.

Walker, Brooks, Piedmont, Calif. Venetian blind ladder tape. 2,632,506, Mar. 24.

Walker, Brooks, Piedmont, Calif. Center support for Venetian blind tilt rails. 2,635,687, Apr. 21.

Walker, Brooks, Piedmont, Calif. Vehicle having offset radiator and tire located adjacent thereto. 2,641,500, June 9.

Walker, Brooks, Piedmont, Calif. Tire mounting under hood accessible through door opening. 2,647,011, July 28.

Walker, Brooks, Piedmont, Calif. Automotive vehicle luggage compartment and spare wheel carrier. 2,647,012, July 28.

Walker, Brooks, Piedmont, Calif. Venetian blind. 2,649,151, Aug. 18.

Walker, Brooks, Piedmont, Calif. Venetian blind. 2,652,111, Sept. 15.

Walker, Brooks, Piedmont, Calif. Venetian blind bottom weights. 2,652,112, Sept. 15.

Walker, Brooks, Piedmont, Calif. Venetian blind headrail. 2,657,747, Nov. 3.

Walker, Brooks, Piedmont, Calif. Venetian blind parts. 2,661,058, Dec. 1.

Walker, Brooks, Piedmont, Calif. Venetian blind parts. 2,662,593, Dec. 15.

Walker, Brooks, Piedmont, Calif. Venetian blind closed head rail. 2,663,368, Dec. 22.

Walker, Chapman J.: *See*—
Howard, Alan, and Walker.

Walker, Chapman J., Schenectady, N. Y., assignor to General Electric Company. Flexible coupling with thrust link. 2,655,014, Oct. 13.

Walker, Charles: *See*—
Hill, Laurence B., and Walker.

Walker, Claud C., Sr.: *See*—
Mater, Milton H., and Walker.

Walker, Daniel N., Ashby Parva, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Engine fuel control for internal expansion engine fuel systems. 2,642,719, June 23.

Walker, Daniel N., Ashby Parva, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Pressure fluid supply system. 2,655,109, Oct. 13.

Walker, Daniel N., Manorcroft, Ashby Parva, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Manufacture and attachment of turbine and like blading. 2,658,718, Nov. 10.

Walker, David S.: *See*—
Tandler, William S., and Walker.

Walker, Delos A., Memphis, Tenn., assignor to International Harvester Company. Cotton picker spindle. 2,651,161, Sept. 8.

Walker, Earl V.: *See*—
Walker, Robert A. and E. V.

Walker, Eugene J.: *See*—
Gelzheiser, Francis L., and Walker.

Walker, Forrest A., Wheaton, Ill., assignor to General Electric Company. Dishwashing apparatus provided with centrifugal separation sump. 2,657,695, Nov. 3.

Walker, Forrest A., Wheaton, Ill., assignor to General Electric Company. Dishwashing apparatus and cabinet structure. 2,657,697, Nov. 3.

Walker, Frank G., Santa Barbara, Calif. Dishwashing machine. 2,629,390, Feb. 24.

Walker, Fred L., Jr., South Charleston, Ohio, and W. E. Story, Jr., Cape May, N. J. Coded card segregating means. 2,645,226, July 14.

Walker, George B., Portarlington, Victoria, Australia. Baffle type muffler having a plurality of helical passages. 2,646,854, July 28.

Walker, George B., Portarlington, Victoria, Australia. Exhaust muffler with expansion chamber. 2,660,256, Nov. 24.

Walker, Harold L.: *See*—
Walker, Harry H. and H. L.

Walker, Harold N., Portland, and J. L. Pulli, Gladstone, Oreg. Apparatus for measuring water pressures in earth embankments. 2,645,128, July 14.

Walker, Harry G., Langhorne, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Wood preservation with dimethyl tetrachlorophthalate. 2,650,893, Sept. 1.

Walker, Harry H., and H. L., St. Paul, Minn. Artificial bait. 2,647,340, Aug. 4.

Walker, Harry M.: *See*—
Taylor, Keith M., and Walker.

Walker, James D., assignor to Walker Process Equipment Inc., Aurora, Ill. Water clarification apparatus and method. 2,635,757, Apr. 21.

Walker, James D., assignor to Walker Process Equipment, Inc., Aurora, Ill. Clarification apparatus. 2,635,758, Apr. 21.

Walker, Jay P., and C. O. Glasgow, assignors to National Tank Company, Tulsa, Okla. Dual control separation of gas and oil. 2,664,170, Dec. 29.

Walker, John, Alameda, Calif. Golf club velocity indicating device. 2,630,012, Mar. 3.

Walker, John C., Westfield, N. J., and B. O. Heston, Norman, assignors to Cities Service Oil Company, Bartlesville, Okla. Formaldehyde purification process. 2,645,665, July 14.

Walker, Kathleen D., assignee: *See*—
Walker, Lloyd W.

Walker, Kenneth E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Ruminant feed composition containing an amidine. 2,630,386, Mar. 3.

Walker, Lloyd W., Blue Island, assignor to L. W., W. H., K. D., and R. E. Walker, Harvey, Ill., copartners doing business as Walker Metal Products Company. Garment hanger. 2,662,675, Dec. 15.

Walker Manufacturing Company, assignee: *See*—
Thorpe, William H.

Walker Manufacturing Company of Wisconsin, assignee: *See*—
Haumerson, Fred C.

Walker, Merle H., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Stud driving tool. 2,645,772, July 21.

Walker Metal Products Company, assignee: *See*—
Walker, Lloyd W.

Walker, Nelson, Flint, assignor to General Motors Corporation, Detroit, Mich. Tank closure. 2,652,945, Sept. 22.

Walker, Neville E., Portland, Oreg. Automatic camera light aperture control. 2,655,086, Oct. 13.

Walker Process Equipment, Inc., assignee: *See*—
Walker, James D.

Walker, Richard M., Dorchester, assignor to Sylvania Electric Products Inc., Salem, Mass. High-frequency testing apparatus. 2,652,535, Sept. 15.

Walker, Robert A. and E. V., Lingle, Wyo. Reversible two-way tumble plow. 2,631,512, Mar. 17.

Walker, Robert E., assignor to Boeing Airplane Company, Seattle, Wash. Air-moisture separator. 2,661,076, Dec. 1.

Walker, Ronald W., assignor of one-half to E. E. Piper, Borger, Tex. Fruit juice extracting device. 2,664,042, Dec. 29.

Walker, Rose E., assignee: *See*—
Walker, Lloyd W.

Walker, Stanley F., Montgomery, Ala. Insulating device for pipes, faucets, and the like. 2,650,180, Aug. 25.

Walker, Thomas G., Nishnabotna, Mo. Wagon hoist. 2,652,229, Sept. 15.

Walker, Willard R., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine. 2,634,739, Apr. 14.

Walker, Willard R., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Rack for dishwashers. 2,638,910, May 19.

Walker, Willard R., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Fluid actuated valve. 2,638,927, May 19.

Walker, William C.: *See*—
Zettlemoyer, Albert C., Walker, and Stump.

Walker, William H.: *See*—
Fischer, Albert C., and Walker.

Walker, William H., assignee: *See*—
Walker, Lloyd W.

Walker, William H., Hollywood, Calif. Toilet flush valve. 2,657,395, Nov. 3.

Walker, William J., Sagamore, Pa. Wild game calling device. 2,643,483, June 30.

Walkey, Ira F., Van Nuys, Calif. Grinding attachment for lathes. 2,645,069, July 14.

Walklet, Mercer D., Akron, Ohio. Toy wheel and method of making. 2,629,420, Feb. 24.

Walklet, Mercer D., assignor to The Hamlin Metal Products Company, Akron, Ohio. Collapsible container. 2,640,620, June 2.

Walkup, Lewis E., Columbus, Ohio, and E. N. W... Alamos, N. Mex., assignors, by mesne assignm... The Battelle Development Corporation, Columbu... Developer composition for developing an elect... latent image. 2,638,416, May 12.

Wall, Charles G., Philadelphia, Pa. Mixing... 2,647,529, Aug. 4.

Wall, Harry G., London, England, assignor to ... Telephone Corporation, New York, N. Y. In... munication telephone system. 2,629,022, Feb.

Wall, James R., Collinsville, Ill., assignor to Al... Company of America, Pittsburgh, Pa. Calcium... nate-carbonate product and making the same. 2,... Apr. 28.

Wall, John J., Detroit, Mich. Fuel supplying me... jet engines. 2,632,294, Mar. 24.

Wall, Lloyd W., Oaklawn, assignor to Caspers Tl... Company, Chicago, Ill. Magnetic separator fo... feeding apparatus. 2,650,092, Aug. 25.

Wall, P., Mfg. Company, assignee: *See*—
Sherman, Harry H., and Silverman.

Wall, Robert J.: *See*—
Jones, Robert C., and Wall.

Wall Wire Products Company, assignee: *See*—
Moorhead, John P.

Wallace, Arthur M., assignor to Bundy Tubing Co... Detroit, Mich. Making welded tubing from stri... stock. 2,631,361, Mar. 17.

Wallace, Bernard E., Evansville, Ind. Winch. 2,... Mar. 31.

Wallace, Clarence E., Yuba City, assignor of one... E. L. Hiatt, San Mateo, Calif. Gate latch. 2,... Jan. 20.

Wallace, David A., Grosse Pointe Farms, assi... Walco, Inc., Detroit, Mich. Vehicle hoisting ap... 2,637,522, May 5.

Wallace, David A., Grosse Pointe Farms, assi... Walco, Inc., Detroit, Mich. Hoisting ap... 2,653,677, Sept. 29.

Wallace, De Loss D.: *See*—
Baugh, Everett L., and Wallace.

Wallace, De Loss D., and W. F. Erickson, Dayto... assignors to General Motors Corporation, Detro... Hydraulic pump and motor power system. 2,... Jan. 27.

Wallace, De Yarman, Canfield, and L. R. Mansell, ... Ohio. Coating metal articles by dipping in ... dissimilar molten metal. 2,642,368, June 16.

Wallace, Earl C.: *See*—
Smith, Milton B., Wallace, and Krieg.

Wallace, Earl C., Andrews, Ind., assignor to The ... Manufacturing Company, Toledo, Ohio. Hass... making same. 2,634,797, Apr. 14.

Wallace, Earl C., Andrews, and J. Meekin, Jr., ... ton, Ind., assignors to The Hettrick Manuf... Company, Toledo, Ohio. Collapsible play... 2,628,364, Feb. 17.

Wallace, Edward H., Detroit, Mich., assignor to ... States Rubber Company, New York, N. Y. Maki... matic tires. 2,625,981, Jan. 20.

Wallace, Edwin G., Walnut Creek, and J. J... Martinez, assignors to Shell Development C... San Francisco, Calif. Alcohol purification ... 2,628,986, Feb. 17.

Wallace, Frank C., North Hollywood, Calif., ass... Collins Radio Company, Cedar Rapids, Iowa... edge deburring machine. 2,650,458, Sept. 1.

Wallace, Frederick J., assignor to American Cy... Makers, Inc., New York, N. Y. Catheter. 2... Jan. 6.

Wallace, Frederick J., assignor to American Cy... Makers, Inc., New York, N. Y. Catheter. 2... Aug. 18.

Wallace, George A.: *See*—
Lundberg, John E., and Wallace.

Wallace, George H., Oak Park, Ill., assignor to A... graph-Multigraph Corporation, Wilmington, De... paring and assorting device for pairs of punc... 2,661,841, Dec. 8.

Wallace, H. W., & Company Limited, assignee: *Se*...
More, Arthur R.

Wallace, Herbert A., San Francisco, Calif., ass... Westinghouse Air Brake Company. Railwa... controlling apparatus. 2,656,456, Oct. 20.

Wallace, James M.: *See*—
Edwards, Andrew W., and Wallace.
Rawlins, Herbert L., and Wallace.

Wallace, James M., East McKeesport, A. W. ... Pittsburgh, and J. K. Kraft, Edgewood, assi... Westinghouse Electric Corporation, East Pittsb... Circuit interrupter. 2,626,329, Jan. 20.

Wallace, James M., East McKeesport, and E. ... Wilkinsburg, assignors to Westinghouse Elec... poration, East Pittsburgh, Pa. Fuse cutout. 2... June 30.

Wallace, James M., East McKeesport, and A. ... Pittsburgh, assignors to Westinghouse Elec... poration, East Pittsburgh, Pa. Circuit int... 2,647,183, July 28.

Wallace, James M., East McKeesport, Pa., ar... McClung, Smithers, W. Va., assignors to West... Electric Corporation, East Pittsburgh, Pa. ... layed circuit breaker. 2,647,184, July 28.

Wallace, James M., and A. W. Edwards, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fuse cutout. 2,648,737, Aug. 11.

Wallace, James M., and A. W. Edwards, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Integrator mechanism for line sectionalizers. 2,653,201, Sept. 22.

Wallace, James M., East McKeesport, and P. Silvius, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,653,488, Sept. 29.

Wallace, James M., and A. W. Edwards, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic switch. 2,654,053, Sept. 29.

Wallace, James M., East McKeesport, and J. W. Stirling, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic reclosing circuit breaker. 2,655,575, Oct. 13.

Wallace, James M., and A. W. Edwards, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Integrator for line-sectionalizers. 2,656,491, Oct. 20.

Wallace, James M., and A. P. Strom, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic reclosing circuit breaker. 2,660,636, Nov. 24.

Wallace, Jeffrey J., Amite, La., assignor to Gullett Gin Company. Pneumatic dual moting and lint cleaning air blast gin. 2,654,126, Oct. 6.

Wallace, Jeffrey J., Amite, La., assignor to Gullett Gin Company. Dynamic pneumatic moting and lint cleaning brush gin. 2,663,912, Dec. 29.

Wallace, John F., executor: *See*—
Miller, Harry E.

Wallace, Le Roy W.: *See*—
Nelson, Axel I., and Wallace.

Wallace, Lee, Fort Worth, Tex. Vehicle standard. 2,643,841, June 30.

Wallace, Leta, assignor of one-third to A. Winning, Kansas City, Mo. Finger to piano key indicator. 2,663,211, Dec. 22.

Wallace, Marcel, assignee: *See*—
Hurvitz, Hyman.
Tongue, Ben H.

Wallace, Marcel, assignor, by mesne assignments, of one-half to said Wallace, doing business as Panoramic Laboratories, East Port Chester, Conn. Synchrometric multiplexing system. 2,632,158, Mar. 17.

Wallace, Marcel, Fairfield County, assignor, by mesne assignments, of one-half to said Wallace doing business as Panoramic Laboratories, East Port Chester, Conn. Navigational system. 2,634,411, Apr. 7.

Wallace, Milner W., Westwood, assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Cold cathode discharge tube. 2,642,548, June 16.

Wallace, Oakie G., Oklahoma City, Okla. Method and means of rotary drilling. 2,624,549, Jan. 6.

Wallace, Oliver A.: *See*—
Batho, William F., and Wallace.

Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Hall, Rolland G.
Martin, Walter F., and Hall.

Wallace, Robert L., Jr.: *See*—
Raisbeck, Gordon, and Wallace.

Wallace, Robert L., Jr., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polyphase oscillator. 2,648,773, Aug. 11.

Wallace, Robert L., Jr., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transistor amplifier circuits. 2,652,460, Sept. 15.

Wallace, Robert L., Jr., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Four-electrode transistor modulator. 2,657,360, Oct. 27.

Wallace, Rudolf N., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller spinner construction with boundary layer control. 2,637,403, May 5.

Wallace, Rudolf N., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Engine cooling and exhaust arrangement. 2,653,585, Sept. 29.

Wallace, Ruth, assignee: *See*—
Hudlow, Clair W.

Wallace & Tiernan Company, Inc., assignee: *See*—
Booth, George M.
MacKay, John R.
Reiner, Laszlo, and Fiordalisi.
Schmelkes, Frank C.

Wallace & Tiernan Products, Inc., assignee: *See*—
MacKay, John R.
Merckel, Frederick G., and Reiner.

Wallace, William D.: *See*—
Danielson, Vernon S., and Wallace.

Wallace, William E.: *See*—
Williams, William W., and Wallace.

Wallace, William E., Belvidere, N. J., and W. W. Williams, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Fluorescent agents from diamino stilbene. 2,658,064, Nov. 3.

Wallace, William E., Belvidere, N. J., and W. W. Williams, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Triazine fluorescent agents. 2,658,065, Nov. 3.

Wallaceburg Brass Limited, assignee: *See*—
Stott, John E.

Wallach, Arthur, Cleveland Heights, Ohio. Record storage cabinet. 2,647,027, July 28.

Wallack, Franz F., Bruck an der Glocknerstrasse, assignor to Grossglockner-Hochalpenstrassen Aktiengesellschaft, Salzburg, Austria. Rotary plow for the removal of snow. 2,638,691, May 19.

Wallans, Samuel, Springfield, Mass. Hanger for pipes and the like. 2,636,703, Apr. 28.

Wallau, Alex, Lee, Incorporated, assignee: *See*—
Kantor, Russell P.

Wallauschek, Richard A., L'Etang-la-Ville, France. Piezoelectric magnetometer. 2,648,046, Aug. 4.

Wallen, Frank, Chicago, Ill., assignor to Superior Sleeprite Corporation. Bed with chest of drawers. 2,653,331, Sept. 29.

Wallen, Jarvis A., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft tank arrangement. 2,637,513, May 5.

Wallen, Russell J., Minneapolis, Minn. Adjustable doorstop. 2,660,750, Dec. 1.

Wallenberg, Ned L.: *See*—
Peterson, Albert C., Wallenberg, and Smith.

Wallenberg, Ned L., Chicago, and G. Sauer, Berwyn, assignors to Union Special Machine Company, Chicago, Ill. Overedge sewing machine. 2,627,829, Feb. 10.

Wallenberg, Ned L., and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Overedge sewing machine construction. 2,637,291, May 5.

Wallenbrock, Ralph E.: *See*—
Voda, John J., and Wallenbrock.

Wallenbrock, Ralph E., and J. J. Voda, Evansville, Ind., assignors to International Harvester Company. Breaker strip construction. 2,661,117, Dec. 1.

Wallenius, George W., Turners Falls, Mass., assignor to International Paper Company, New York, N. Y. Core cap remover. 2,651,836, Sept. 15.

Wallenmeyer, John C., F. G. McDonald, and R. L. Henry, assignors to Mead Johnson & Company, Evansville, Ind. Spray dried vitamin A and D emulsion. 2,650,895, Sept. 1.

Waller, Carl R., assignor to De Laval Steam Turbine Company, Trenton, N. J. Multiple gas turbine power plant having speed governors to bypass power turbine and regulate fuel feed. 2,627,717, Feb. 10.

Waller, Ralph D., Macomb, Ill., assignor to Stockland Road Machinery Co., Minneapolis, Minn. Scoop for tractors. 2,658,634, Nov. 10.

Waller, Vern L., Tacoma, Wash. Engine performance indicator. 2,650,559, Sept. 1.

Wallerstein Company, Inc., assignee: *See*—
Pfannmuller, Julius.
Pfannmuller, Julius W., and Noë.

Wallerstein, James S., New York, M. Hale, Brooklyn, R. T. Alba, Springfield Gardens, and H. B. Levy, Levittown, assignors to The Overly Biochemical Research Foundation Inc., New York, N. Y. Process for improving the color of fermented malt beverages and products obtained thereby. 2,624,675, Jan. 6.

Wallerstein, Leon, Jr., assignor to Lord Manufacturing Company, Erie, Pa. Cushion handle for percussive tools. 2,630,784, Mar. 10.

Wallerstein, Leon, Jr., assignor to Lord Manufacturing Company, Erie, Pa. Pump diaphragm. 2,633,155, Mar. 31.

Walley, Omar C., Cleveland, and R. L. Anderson, Maple Heights, assignors to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electric motor brake coupling assembly. 2,653,256, Sept. 22.

Wallgren, August G. F., Stockholm, Sweden. Double row roller bearing. 2,658,807, Nov. 10.

Wallich, Fred R., Los Angeles, Calif. Hand use stencil pad unit. 2,651,255, Sept. 8.

Wallin, Francis T., Brookline, Mass. Chest respirator. 2,629,372, Feb. 24.

Wallin, Gus W., assignor to Motorola, Inc., Chicago, Ill. Permeability-tuned coupling unit. 2,631,192, Mar. 10.

Wallin, Gus W., assignor to Motorola, Inc., Chicago, Ill. Tuning device. 2,641,647, June 9.

Walling, Orville E.: *See*—
Fisher, Robert P., and Walling.

Wallingford, Vernon H., Ferguson, assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Anhydro 2-carboxylicacylamino-3,5-diiodobenzoic acids and process. 2,633,466, Mar. 31.

Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Means for launching airplanes and other flying bodies. 2,659,553, Nov. 17.

Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Releasable attachment. 2,647,776, Aug. 4.

Wallis, John S.: *See*—
Throckmorton, John W., and Wallis.
Wasp, Edward J., and Wallis.

Wallis, John S., and J. W. Throckmorton, assignors to Petro-Chem Process Company, Inc., New York, N. Y. Forced downward air flow air-heating furnace. 2,637,314, May 5.

Wallis, Peter R.: *See*—
Parker, Eric, Wallis, and Woroncow.

Wallis, Walter M., assignor to United Air Heaters, Inc., Seattle, Wash. Floor furnace having a downwardly directed heating flame. 2,630,110, Mar. 3.

Walliser, Gustav: *See*—
Reich, Kurt, and Walliser.

Wallman, Clifford G., La Grange, assignor to The Petersen Oven Company, Franklin Park, Ill. Unitary power-driven roller conveyer. 2,624,445, Jan. 6.

Wallman, Harold, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Continuous preparation of beaded phenolsulfonic acid-formaldehyde condensation product. 2,652,386, Sept. 15.

Wallman, Henry: *See*—
Gadsden, Christopher P., Macnee, and Wallman.

Wallman, Henry, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rapid searching thermal automatic frequency control. 2,640,157, May 26.

Wallman, William R., South Bend, Ind. Voucher check. 2,653,039, Sept. 22.

Wallmark, John T., Bromma, Sweden, assignor to Radio Corporation of America. Impulse counting tube. 2,638,541, May 12.

Walls, George V., Littleton, Colo. Apparatus for securing a resilient tread to the bottom surface of flexible footwear. 2,659,094, Nov. 17.

Walls, Paul: *See*—
Klein, Victor G., and Walls.

Walmsley, Leslie L., Ridley Park, and R. E. Smith, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Simultaneously stabilizing and applying a vat dye to textile material comprising regenerated cellulose. 2,628,151, Feb. 10.

Walnut Creek Canning Co., assignee: *See*—
Davis, Hamilton C.

Walpole, Harold L.: *See*—
Mayo, Alfred M., and Walpole.

Walraven, George M., and R. G. Knudsen, assignors to Snap-On Tools Corporation, Kenosha, Wis. Air valve mechanism for controlling the operation of pneumatic devices and the like. 2,642,848, June 23.

Walraven, George M., and W. R. Elwell, assignors to Snap-On Tools Corporation, Kenosha, Wis. Timing indicator for internal-combustion engines. 2,644,131, June 30.

Walser, Henry J., White Plains, N. Y. Mounting for timing units. 2,661,173, Dec. 1.

Walser, Julius, Radolfzell Bodensee, Germany. Dental matrix. 2,663,935, Dec. 29.

Walsh, Alan, Canterbury, Victoria, assignor to Commonwealth Scientific and Industrial Research Organization, East Melbourne, Victoria, Australia. Monochramator. 2,652,742, Sept. 22.

Walsh, Conrad L., W. B. Hawes, and F. Foulger, assignors to A. S. P. Chemical Company Limited, Bulstrode, Gerrards Cross, England. Soil stabilization. 2,661,297, Dec. 1.

Walsh, Edward J.: *See*—
Ford, Gaylon T., and Walsh.

Walsh, Edward J., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Laminated ring lead-in for electron discharge devices. 2,656,404, Oct. 20.

Walsh, Edward J., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,660,688, Nov. 24.

Walsh, Edward J., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,663,818, Dec. 22.

Walsh, Edward J., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making a fine wire mesh. 2,661,029, Dec. 1.

Walsh, James A., assignor to The Armstrong Rubber Company, West Haven, Conn. Tread construction for tire casings. 2,661,041, Dec. 1.

Walsh, John, and H. Dawson, Rochdale, assignors to Petrie & McNaught Limited, Rochdale, Lancashire, England. Drying machine for grass and other crops. 2,660,807, Dec. 1.

Walsh, John E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Counter construction and method. 2,656,622, Oct. 27.

Walsh, John F., assignee: *See*—
Bianchi, Peter, and Rothwell.

Walsh, Kenneth A.: *See*—
Wilhelm, Harley A., and Walsh.

Walsh, Kenneth A., and H. A. Wilhelm, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Production of granular beryllium fluoride. 2,635,944, Apr. 21.

Walsh, Richard J., Havertown, Pa. Holder for infants' nursing bottles. 2,637,515, May 5.

Walsh, Robert H., Woodstown, N. J., and W. W. Pockman, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Incorporating polychloroprene in paper. 2,657,991, Nov. 3.

Walsh, Thaddeus A.: *See*—
MacLagan, James A., and Walsh.

Walsh, Vern G., Fredericksburg, Va. Display device. 2,628,722, Feb. 17.

Walstrom, Brother E., Dunedin, Fla. Shoe stre... 2,634,440, Apr. 14.

Walstrom, John E., Danville, assignor to Calif... search Corporation, San Francisco, Calif. Me... apparatus for detecting fluid movement in w... 2,655,631, Oct. 13.

Walter, Andrew T., South Charleston, W. Va., a... Union Carbide and Carbon Corporation. Heat-... polychlorotrifluoroethylene resins. 2,643,988,...

Walter, B., & Company, assignee: *See*—
Walter, Frederick B.

Walter, Charles E., Indianapolis, Ind. Releas... ment for wrenches and the like. 2,627,774, F...

Walter, Charles T.: *See*—
Johnson, Scott R., and Walter.

Walter, Charles T., Harvey, Ill. Household... 2,649,294, Aug. 18.

Walter, Frederick B., assignor to B. Walter & ... Wabash, Ind. Metal extension slide ... 2,626,195, Jan. 20.

Walter, George E., Baltimore, I. Hornstein, Ea... dale, and C. A. Sheld, Baltimore, assignors to ... L. Martin Company, Middle River, Md. Flan... article and making same. 2,660,542, Nov. 24.

Walter, George E., Baltimore, I. Hornstein, Ea... dale, and C. A. Sheld, Baltimore, assignors to ... L. Martin Company, Middle River, Md. Flan... polymers. 2,660,543, Nov. 24.

Walter, Henry A.: *See*—
Boyd, Thomas, and Walter.

Walter, Henry A., Longmeadow, Mass., assignor... santo Chemical Company, St. Louis, Mo. Pr... of calcium cyanamide. 2,632,687, Mar. 24.

Walter, John M., assignor to The G. A. Gray ... Cincinnati, Ohio. Rail clamp for machi... 2,638,659, May 19.

Walter, Joseph M.: *See*—
Lantz, Willard J., and Walters.

Walter, Jules G.: *See*—
Cohn, Samuel, and Walter.
Cohn, Samuel, Walter, and Cohn.

Walter, Leo N., Lansing, Ill. Forced air flow a... furnace. 2,642,857, June 23.

Walter, Lewis A., Madison, R. H. Barry, Bloom... J. R. Clark, Nutley, assignors to Maltbie Lab... Inc., Newark, N. J. α,α-diphenyl-γ-(1-meth... idyl)-butyronitrile. 2,649,455, Aug. 18.

Walter, Lewis A., Madison, R. H. Barry, Bloom... J. R. Clark, Nutley, assignors to Maltbie Lab... Inc., Newark, N. J. α,α-diphenyl-γ-(N-meth... idyl)-butyramides and acid addition and q... ammonium derivatives thereof. 2,649,456, A...

Walter, Louis M., Republic, Wash. Gripping de... pivoted actuator and having pawl and rac... means. 2,648,242, Aug. 11.

Walter, Martin E., Clarinda, Iowa. Self-operate... swing. 2,627,896, Feb. 10.

Walter, Orville L.: *See*—
Carr, James A., Haskell, Sutton, and Wal...

Walter, William F., Jr., Greenock, and W. J. Wy... burgh, Pa., assignor to United States Steel Co... Pouring ingots. 2,641,525, June 9.

Walter, William G., Bristol, England. Wave-... lyzing apparatus. 2,648,822, Aug. 11.

Walterman, Fredrick H., and J. P. Malmrose, as... Kewanee Manufacturing Company, Kewanee, ... frame. 2,660,272, Nov. 24.

Walters, Clarence C.: *See*—
Darner, Frederic M., and Walters.

Walters, Clarence C., Willoughby, assignor, ... assignments, to Crowley-Republic Steel Co... Cleveland, Ohio. Nozzle construction for at... liquid material by an atomizing gas. 2,645... 14.

Walters, Emmett L., assignor to Libbey-Owens-F... Company, Toledo, Ohio. Method and appa... forming sheet glass. 2,655,765, Oct. 20.

Walters, Ernest L., assignor to Shell Developm... pany, San Francisco, Calif. Color stabilizers. ... May 5.

Walters, Fred, assignee: *See*—
Davidson, Noland D., and Henderson.

Walters, Leonard J.: *See*—
Douglas, Alvin P., and Walters.

Walters Manufacturing Company, assignee: *See*...
Weinthal, Stanley E., and S. A. and L. J. ...

Walters, Michael E., assignor to Pacific Pu... Huntington Park, Calif. Nonclogging pump... 2,658,453, Nov. 10.

Walters, Warren R., assignor to The Maico ... Incorporated, Minneapolis, Minn. Hearing ... struction. 2,650,267, Aug. 25.

Walters, William J.: *See*—
Koppel, Ernst R., and Walters.

Walters, William M., Eleanor, W. Va. Nonsoap ... detergent in cake form. 2,643,229, June 23.

Waltert, August, Ennetbaden, assignor to A... schaft Brown, Boveri & Cie, Baden, S... Transformer assembling device. 2,626,582, ...

Walther, Howard T., Dayton, Ohio, assignor ... Motors Corporation, Detroit, Mich. Injectio... 2,637,073, May 5.

Walthers, Harry H., Sheboygan, Wis. Reinforced hollow block structure. 2,635,451, Apr. 21.
Waltman, Adolf E., Pass Christian, assignor of one-third to E. P. Guice and one-third to E. E. Hickey, Ocean Springs, Miss. Shrimp assimilating machine. 2,641,797, June 16.
Walton, Alfred L., Blackpool, England. Appliance for use in sharpening or resharpening safety-razor blades. 2,650,457, Sept. 1.
Walton, Cecil E., Cleveland, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Adjustable focusing coil. 2,648,036, Aug. 4.
Walton, Clifford, Buffalo, N. Y. Sign. 2,637,925, May 12.
Walton, Fermon T., assignee: *See*—
McCandless, Field F.
Walton, George M., Shaker Heights, and R. E. Brown, South Euclid, assignors to Air-Maze Corporation, Cleveland, Ohio. Silencer with a resonance chamber. 2,652,899, Sept. 22.
Walton, Harold F., Boulder, assignor to Shwayder Bros., Inc., Denver, Colo. Regenerating electrolytic polishing solutions. 2,645,635, July 14.
Walton, Howard T.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.
Walton, Lyle F., Rupert, Idaho. Headgate form. 2,648,888, Aug. 18.
Walton, Richard G., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Automatic temperature indicating system. 2,646,681, July 28.
Walton, Richard K., Montclair, and P. A. Thomas, East Orange, N. J., assignors to Union Carbide and Carbon Corporation. Polysiloxane antifoam agents. 2,643,240, June 23.
Walton, Robert O., Corpus Christi, Tex. Gas lift apparatus. 2,634,689, Apr. 14.
Walton, Warren L., Schenectady, N. Y., assignor to General Electric Company. Preparing organohalogenosilanes. 2,636,895, Apr. 28.
Walton, Warren L., Schenectady, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated terpene derivative. 2,657,167, Oct. 27.
Waltz, Maynard C., Maplewood, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Variable attenuator. 2,630,491, Mar. 3.
Walworth Company, assignee: *See*—
Davis, Ralph P.
Milligan, Wilbur E.
Smith-Petersen, Nils O., Patscheider, and Lambert.
Walz, Carl A.: *See*—
Armstrong, Daniel A., Carlson, and Walz.
Walz, Claude W., Rock Island, and J. H. Clark, assignors to Deere & Company, Moline, Ill. Winch for trailers. 2,624,547, Jan. 6.
Walz, Claude W., and R. D. Griff, Rock Island, assignors to Deere & Company, Moline, Ill. Wheel attachment for detachable tractor-mounted implements. 2,635,521, Apr. 21.
Walz, Claude W., Rock Island, and H. F. Clausen, assignors to Deere & Company, Moline, Ill. Planter. 2,650,000, Aug. 25.
Walz, Claude W., Rock Island, and H. F. Clausen, assignors to Deere & Company, Moline, Ill. Beet harvester. 2,656,661, Oct. 27.
Walz, Claude W., Rock Island, and H. F. Clausen, assignors to Deere & Company, Moline, Ill. Frame construction for planters. 2,660,967, Dec. 1.
Walz, Heinz P. H., Heidelberg, Germany. Galvanic cell. 2,646,458, July 21.
Walzak, Michael P., Winnipeg, Manitoba, Canada. Collapsible stand. 2,640,294, June 2.
Wambach, Frank P., Philadelphia, Pa. Wheeled animated toy. 2,631,406, Mar. 17.
Wampler, Roy W., and C. M. Browne, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple sheet glazing unit. 2,625,717, Jan. 20.
Wamsley, Peryl S., Athens, Ohio. Line number and page end margin indicator for typewriters. 2,626,697, Jan. 27.
Wandel, Kurt, Downingtown, Pa. Apparatus for effecting disintegration of materials. 2,641,165, June 9.
Wander, Dr. A., A. G., assignee: *See*—
Schaltegger, Hermann.
Wander, John F., assignor to Aktiebolaget L. Gabrielsson & Co., Stockholm, Sweden. Device for opening packages, primarily cigarette packages. 2,649,653, Aug. 25.
Wandke, Hermann: *See*—
Stahn, Willy, and Wandke.
Wandrey, Clarence W., Wheaton, Ill., assignor to Zenith Radio Corporation. Cathode-ray tube beam-centering device. 2,635,204, Apr. 14.
Wang, Eugene, Portland, Oreg. Rotary hydraulic coupling. 2,654,223, Oct. 6.
Wanlewski, Henry P.: *See*—
Wanlewski, Matthew, M. F. and H. P.
Wanlewski, Matthew, Reeding Hills, Mass., M. F. Wanlewski, Somersville, Conn., and H. P. Wanlewski, Chicopee, Mass. Poult feeder. 2,630,098, Mar. 3.
Wanlewski, Michael F.: *See*—
Wanlewski, Matthew, M. F. and H. P.
Wankat, Charles, Brookfield, and E. Y. Titus, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of cracked hydrocarbon distillates. 2,640,012, May 26.
Wannamaker, William H., Jr., Flourtown, and J. C. Mouzon, Wyndmoor, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,661,454, Dec. 1.
Wanner, George D., Dayton, Ohio. Fishing float. 2,627,693, Feb. 10.
Wannop, Henry W., Skytop, Pa. Wall hook. 2,661,098, Dec. 1.
Wansink, Leo P., Altadena, and C. L. Haynes, Flintridge, assignors to C. F. Braun & Co., Alhambra, Calif. Bubble cap and riser assembly. 2,650,809, Sept. 1.
Wantland, Cleaon, executrix: *See*—
Lentz, Marshall E., Anderson, and Driffill.
Wanzer, Arthur W., Hingham, D. G. Way, and F. E. Kalning, assignors to United Mattress Machinery Co. Inc., Quincy, Mass. Mattress tufting machine. 2,652,013, Sept. 15.
Wanzer, Arthur W., and F. E. Kalning, assignors to Mathewson Machine Works, Inc., Quincy, Mass. Apparatus for automatically making blood sugar screening tests. 2,653,083, Sept. 22.
War, United States of America as represented by the Secretary of, assignee: *See*—
Alford, Andrew.
Allen, Richard C., and Milliman.
Anger, Hal O.
Arenberg, David L.
Averill, Harold P., and Pfanstiel.
Babcock, Horace W.
Bachmann, Werner E.
Bainbridge, Kenneth T.
Ball, Alpheus M.
Balleisen, Charles E.
Bell, Persa R., Jr.
Benfield, Adalbert E.
Bess, Leon.
Bjork, Carold F., and Bondy.
Brenner, Abner.
Brenner, Abner, and Burkhead.
Brenner, Abner, Burkhead, and Sentel.
Byrne, John F.
Cairns, Robert W.
Caraway, John B.
Chance, Britton.
Chance, Britton, and Kelner.
Christensen, John W., Granger, and Wedel.
Chu, Lan J.
Chu, Lan J., and Robinson.
Clapp, Roger E.
Clark, James L.
Clarke, Allen S.
Clay, John P., and Elkins.
Clogston, Albert M.
Clogston, Albert M., and Smith.
Cobine, James D.
Cobine, James D., and Gallagher.
Cohn, Seymour B.
Cook, David C., and Gilbert.
Cooper, Harold S. G., and Schultz.
Crawford, Franzo H.
Crawford, Franzo H., and Hok.
Crout, Prescott D.
Cunningham, Frederic, Jr.
Dicke, Robert H.
Dorne, Arthur.
Dorne, Arthur, and Lazarus.
Dorne, Arthur, Lazarus, and Minot.
Emslie, Alfred G.
Evans, John E., Fletcher, and Rieke.
Evans, John E., and Rieke.
Everhart, Edgar.
Everhart, Edgar, Herlin, and A. G. and W. V. Smith.
Finkelstein, Leo, and Magram.
Forbes, Gordon D.
Forbes, Gordon D., and Shapiro
Gallagher, Charles J., and Ruthberg.
Garman, Raymond L., and Haupt.
Getting, Ivan A.
Gleason, Daniel H.
Gray, John W.
Greene, Benjamin F., Jr.
Greenwood, Ivan A., Jr.
Hare, Milton D.
Hare, Milton D., and Leonard.
Haworth, Leland J.
Healy, Maurice F.
Heller, Gerald S.
Herb, Raymond G.
Herlin, Melvin A.
Herlin, Melvin A., and Smith.
Howard, Robert A.
Huber, William A., and Volsk.
Huggins, William H.
Huggins, William H., and Richards.
Hulstede, George E.
Ingalls, Clyde E., and Nichols.
Jacobsen, Andrew B.
Jarvis, George A.
Kamphoefner, Fred J.

War, United States of America as represented by the Secretary of, assignee: *See*—Continued.
Kearney, Joseph W., and Rambo.
Keeler, Price M.
Kharasch, Morris S., and Weinhouse.
Kyhl, Robert L.
La Coste, Lucien J. B.
Lamb, Willis E., Jr.
Lochhead, John L.
Loehle, Joseph N.
Martinelli, Ernest A.
McConnell, Robert A.
McGuigan, William D.
McLain, Joseph H., and Ruble.
Meagher, Ralph E.
Milliman, Sidney.
Mills, James E.
Moore, James R.
Moore, Thomas E., Spangenberg, and Zeidler.
Murr, Charles H.
Napolin, Seymour.
Nelson, Jessie A.
Nelson, Jessie A., and Wilhoit.
Nichols, Nathan P.
Nordsieck, Arnold T.
O'Brien, Laurence A.
O'Brien, Richard S., and Woodruff.
Pearson, Paul A.
Pease, Marshall C.
Pfund, August H.
Phelan, John K.
Piper, William E.
Ponder, Speers G., and Brandt.
Ragan, George L., and Reed.
Rambo, William R.
Redheffer, Raymond.
Richards, Paul I.
Riblet, Henry J.
Riblet, Henry J., and Sherman.
Risser, Jacob R.
Roberts, Shepard.
Robinson, Charles V.
Sackville, William.
Sager, Irving.
Schiff, Sigmund.
Schneider, Edwin G.
Scott, Robert C.
Sharp, Chester E.
Sherr, Rubby.
Sherwin, Chalmers W.
Sichak, William.
Simpson, Clarence E.
Smullin, Louis D.
Stone, Albert M.
Swarts, Lewis E., Jr.
Thomas, Charles A., and Eck.
Todd, William.
Tull, William J.
Van Atta, Lester C.
Wachtell, George P.
Watt, Bob E.
Weldon, Harry A.
Wilner, John T.
Winter, David F.
Wolf, James M.
Woods, John P.
Warburton, Kenneth R.: *See*—
Martin, Frank A., and Warburton.
Warburton, Ryland R., Richmond, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Viscose recovery. 2,647,891, Aug. 4.
Warburton, W. J., Associates, Inc., assignee: *See*—
Slater, Raymond E.
Ward, Arthur, assignor to International Paint Company, Inc., New York, N. Y. Power-driven cleaning brush. 2,660,746, Dec. 1.
Ward Blenkinsop & Company Limited, assignee: *See*—
Goldberg, Alan A., and Besly.
Ward, Charles H., Minneapolis, Minn. Internal-combustion engine. 2,639,698, May 26.
Ward, Charles J., assignor to Hugh H. Eby, Inc., Philadelphia, Pa. Electric fuse holder. 2,638,520, May 12.
Ward, Earl M.: *See*—
Vlachos, Constantinos H., and Ward.
Ward, Edgar A., Schenectady, assignor to American Locomotive Company, New York, N. Y. Flushing device. 2,644,472, July 7.
Ward, George C., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Dyeing of mixed wool-cellulose acetate textile materials. 2,626,202, Jan. 20.
Ward, George C., and W. T. Haggerty, Jr., Cumberland, Md., assignors to Celanese Corporation of America, New York, N. Y. Dyeing of cellulose derivative textile materials. 2,646,339, July 21.
Ward, Harley M.: *See*—
Rodda, Lee, and Ward.
Ward, Harry D.: *See*—
Schoemehl, Henry F., and Ward.
Ward, Hugh, Kearny, N. J., assignor to Congoleum-Nairn Inc. Apparatus for the manufacture of inlaid flexible smooth surface coverings and the like. 2,638,983, May 19.
Ward, Hugh C.: *See*—
Albee, Arthur C., and Ward.
Ward, Irving A., assignee: *See*—
Lynch, Leslie.
Ward, James C., assignor to Reynolds Manufacturing Company, Springfield, Mo. Torque rod assembly for spring suspension. 2,653,035, Sept. 22.
Ward, Jeremiah, III: *See*—
Abendroth, Guss F., Tausch, and Ward.
Ward, John W.: *See*—
Stineman, Russell W., and Ward.
Ward, Lawrence T., East Orange, N. J. Cigarette lighter. 2,626,517, Jan. 27.
Ward Leonard Electric Company, assignee: *See*—
Grillo, Joseph.
Kluz, Walter C.
Ward, Michael F., Chicago, Ill., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Retaining spider and plate for material grinding machines. 2,624,384, Jan. 6.
Ward, Nathan L., Reynolds, Ind. Drill guide. 2,661,638, Dec. 8.
Ward, Richard A.: *See*—
Switzer, Joseph L., and R. C. Switzer, and Ward.
Ward, Robert C., Cincinnati, Ohio. Carton construction. 2,657,792, Nov. 3.
Ward, Thomas C., Waco, Tex. Ambulatory traction splint for osteal deformities. 2,642,864, June 23.
Ward, Warren F., Dallas, Tex. Stager and guide. 2,655,113, Oct. 13.
Ward, William C., assignor to Eaton Laboratories, Inc., Norwich, N. Y. Series of nitrofuran compounds comprising the acyl hydrazone ammonium salts of 5-nitroacyl furans. 2,626,258, Jan. 20.
Ward, William C., Norwich, and G. Gever, Oxford, assignors to Eaton Laboratories, Inc., Norwich, N. Y. Series of nitrofuran compounds comprising substituted 5-nitro-2-furaldehyde semicarbazones. 2,656,350, Oct. 20.
Ward, William W., Liverpool, N. Y., assignor to General Electric Company. Double-twist phonograph stylus assembly. 2,639,156, May 19.
Wardell, Paul R.: *See*—
Humbert, Charles C., and Wardell.
Wardius, Walter A., Milwaukee, Wis. Outboard motor lock. 2,639,604, May 26.
Wardlaw, Robert F., Anderson, S. C. Infant's swing seat assembly. 2,638,966, May 19.
Wardleworth, James: *See*—
Lodge, Frank, and Wardleworth.
Wardwell, George W., Jr., Trumbull, assignor to Sargent & Company, New Haven, Conn. Door lock. 2,640,345, June 2.
Ware, Cecil, Houston, Tex. Rotary slip elevator. 2,642,642, June 23.
Ware, Gordon K., assignor to Chicago Roller Skate Company, Chicago, Ill. Grinder for roller-skate wheels. 2,628,459, Feb. 17.
Ware, Gordon K., assignor to Chicago Roller Skate Company, Chicago, Ill. Roller skate with removable truck assembly. 2,653,821, Sept. 29.
Ware, Gordon K., and G. J. Filetz, assignors to Chicago Roller Skate Company, Chicago, Ill. Sprinkler. 2,646,312, July 21.
Ware, Haden S.: *See*—
Sussin, David, and Ware.
Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine casing construction. 2,647,494, Aug. 4.
Ware, Walter, assignor to Chicago Roller Skate Company, Chicago, Ill. Roller structure. 2,649,337, Aug. 18.
Warfel, Paul, assignee: *See*—
Sell, Wilson D.
Wargo, Peter, Maywood, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric tachometer. 2,649,559, Aug. 18.
Waring, Gerard J., Eccleston, assignor to Leyland Motors Limited, London, England. Control of internal-combustion engines. 2,633,115, Mar. 31.
Waring, Nathan S.: *See*—
Anderson, Lloyd L., Waring, and Korb.
Warlick, Hulon O., Jr.: *See*—
Bonnington, James A., and Warlick.
Warmoes, Jean J., Montreal, Quebec, Canada, and L. A. A. J. Closkin, Liege, Belgium. Device for elastically transferring forces. 2,647,412, Aug. 4.
Warne, Frederick C., assignor to Farm Tools, Inc., Mansfield, Ohio. Tractor-mounted implement. 2,655,854, Oct. 20.
Warneke, Alan J., Chicago, Ill. Drinking mouthpiece for bottles. 2,628,736, Feb. 17.
Warner, Arthur J., Glen Ridge, assignor to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Synthetic cable jacketing compositions. 2,662,932, Dec. 15.
Warner, Arthur J., Glen Ridge, and A. R. Gobat, North Caldwell, assignors to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Primary cells. 2,661,388, Dec. 1.
Warner, Arthur J., Glen Ridge, and A. R. Gobat, North Caldwell, assignors to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Primary cell. 2,663,749, Dec. 22.

Warner, Arthur J., and S. G. Foord, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Methods and apparatus for growing crystals. 2,651,566, Sept. 8.

Warner, Arthur W., Jr., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Masking device for crystals. 2,639,392, May 19.

Warner, Arthur W., Jr., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal unit for use at high temperatures. 2,656,473, Oct. 20.

Warner Bros. Pictures, Inc., assignee: *See*—
Best, Gerald M.
Gibbons, James A.
Phillips, Stanley H.
Tondreau, Albert W.
Tondreau, Albert W., and Gage.

Warner, C. Ervin, assignee: *See*—
Warner, John W.

Warner Company, assignee: *See*—
Bigsby, Vernon L., and Petraline.
Megrail, George G.

Warner, Donald E., assignor to R. D. Newcomb, Los Angeles, Calif. Adjustable speed induction motor. 2,642,555, June 16.

Warner, Donald T.: *See*—
Moe, Owen A., and Warner.
Terry, David E., and Warner.

Warner, Douglas K., Sarasota, Fla. Airfoil nose flap arrangement. 2,631,794, Mar. 17.

Warner, Douglas K., Sarasota, Fla. Air-cooled internal-combustion engine with exhaust jet. 2,639,697, May 26.

Warner, Edgar, Middletown, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Making wiping blades. 2,632,941, Mar. 31.

Warner, Eldon C.: *See*—
Booth, James H., and Warner.

Warner Electric Brake & Clutch Company, assignee: *See*—
Mason, James A., and Kraeplin.
Oetzel, John G.

Warner, Elmer L.: *See*—
Mayer, Charles M., Perl, and Warner.

Warner, Harry C., San Francisco, Calif. Control device for electrical circuits. 2,648,726, Aug. 11.

Warner, Hiram H., and F. J. Lyons, Worcester, Mass. Sterilized toothbrush container. 2,630,912, Mar. 10.

Warner-Hudnut, Inc., assignee: *See*—
Ercoli, Nicholas, and Van Wessem.
King, John A., and McMillan.
Leonard, Frederick.
Sakal, Emile H.
Steinberg, Eliot.

Warner, I. S., assignee: *See*—
Hess, Jack.

Warner, John W., assignor of one-half to C. L. Warner, Port Huron, Mich. Building jack. 2,625,368, Jan. 13.

Warner, Leonard C., Waterbury, Conn. Fishing leader holder. 2,663,114, Dec. 22.

Warner, Ralph, and H. B. Smalley, Bloomington, Ill. Releasing mechanism for use in paper carton vending apparatus. 2,637,612, May 5.

Warner, Stanley C.: *See*—
Massey, Bernard S., Quinn, Allen, and Warner.

Warner & Swasey Company, The, assignee: *See*—
Belshaw, Walter.
Bogart, Fred H.
Clark, Robert H.
Curtis, Myron S., and Schoepe.
Darash, Nicholas P.
Gillett, Horace W.
Hegedüs, Ede.
Kluter, George L.
Longstreet, James R.
Longstreet, James R., and Jacques.
Tomlinson, Fay M.
Treer, Ross B.

Warner, Thomas R., Gonzales, Calif. Coacting endless chain type onion harvester. 2,645,889, July 21.

Warner, Thomas R., Gonzales, Calif. Vine dividing means. 2,653,436, Sept. 29.

Warner, W. E., assignee: *See*—
Martin, William F.

Warner, Wilbur W., Fort Wayne, Ind., assignor to General Electric Company. Instantly reversible motor. 2,651,747, Sept. 8.

Warner, William D.: *See*—
Meltzer, Rudolph L. and H. E., and Warner.

Warnick, Sam, Toronto, Ontario, Canada. Container for garments. 2,633,979, Apr. 7.

Warnke, Clemens A., Grand Rapids, Mich. Cultivator shield. 2,624,260, Jan. 6.

Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Irrigating system conduit joint. 2,631,869, Mar. 17.

Warren, Alfred, Vancouver, British Columbia, Canada. Pressure cooker. 2,659,805, Nov. 17.

Warren, Charles F., deceased, Milwaukee, Wis.: K. Warren, executrix, assignor to C. F. Warren, Jr. Hydraulic impact tool. 2,624,177, Jan. 6.

Warren, Charles F., Jr., assignee: *See*—
Warren, Charles F.

Warren, Clifford A.: *See*—
Hall, Nathan I., and Warren.

Warren, Eugene R., San Francisco, Calif. Rolling crutch. 2,652,097, Sept. 15.

Warren, Glenn B.: *See*—
Buckland, Bruce O., and Warren.

Warren, Harry, Chicago, Ill. Utility case. 2,634,836, Apr. 14.

Warren, Henry E., assignor to Lombard Governor Corporation, Ashland, Mass. Chain saw. 2,651,336, Sept. 8.

Warren, Henry R.: *See*—
Sawyer, Ogden E., and Warren.

Warren, John A.: *See*—
Jenssen, Leif E., and Warren.

Warren, John C. R.: *See*—
Kulka, Marshall, and Warren.

Warren, John C. R., Elmira, Ontario, and M. Kulka, Guelph, Ontario, Canada, assignors to United States Rubber Company, New York, N. Y. Preparation of 2,4-dichlorophenoxyacetic acid. 2,651,659, Sept. 8.

Warren, Kathleen, executrix: *See*—
Warren, Charles F.

Warren, Kenneth H., Glen Burnie, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Separation of volatile from non-volatile constituents of an aqueous molasses fermentation residue. 2,626,237, Jan. 20.

Warren-Knight Company, assignee: *See*—
Fatkin, Harry W.

Warren, Millard R., Knoxville, Tenn. Building block molding machine. 2,652,613, Sept. 22.

Warren, Otto J., Fort Worth, and V. W. Hair, Dublin, Tex. Bowl adjustment for carry-type scrapers. 2,651,124, Sept. 8.

Warren, Pat, Fort Worth, Tex. Trotline or the like. 2,655,758, Oct. 20.

Warren Petroleum Corporation, assignee: *See*—
Phelps, Rex V.

Warren, Robert E., Marblehead, Mass., assignor to General Electric Company. Electrical circuit breaker. 2,660,642, Nov. 24.

Warren, Robert E., Springfield Gardens, N. Y. Side guard for beds. 2,648,850, Aug. 18.

Warren, S. D., Company, assignee: *See*—
Frost, Frederick H., and Brinnick.
Neugebauer, Wilhelm, Barthenbeier, and Rebenstock.
Reilly, Arthur.
Thomas, Joseph J.
Worthen, Stephen V.

Warren, Walter W. D., Montreal, Quebec, Canada. Riveting process. 2,654,272, Oct. 6.

Warren, William T., Jr., Birmingham, Ala. Decorative ornament and a blank from which it is made. 2,633,657, Apr. 7.

Warrick, Earl L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Polymerizing organosiloxanes with alkoxide and alcohol-hydroxide complexes. 2,634,252, Apr. 7.

Warrick, Frederick P., Birmingham, Mich. Magnetically biased centrifugal speed sensing means. 2,643,871, June 30.

Warrick, Frederick P., Detroit, Mich. Shutterless recording oscillographic camera. 2,629,646, Feb. 24.

Warrick, Leland K., Muskegon Heights, and F. E. La Flame, Spring Lake, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Compressor. 2,644,635, July 7.

Warrick, Thurlow J.: *See*—
Brancke, Carl A., and Warrick.

Warrick, Thurlow J., Erie, Pa., assignor to General Electric Company. Traction motor system with series-parallel switching relay. 2,658,174, Nov. 3.

Warrick, Thurlow J., Erie, and C. A. Brancke, North East, Pa., assignors to General Electric Company. System for shutting down and operating thermal prime movers. 2,663,803, Dec. 22.

Warsack, George L.: *See*—
Watkins, Arthur S., and Warsack.

Warsaw, Arthur J., Minier, Ill. Tractor overdrive assembly. 2,633,759, Apr. 7.

Warschau, Hans: *See*—
Paulsmeier, Fritz, and Warschau.

Warshaw, Howard D., Drexel Hill, Pa., assignor to the United States of America as represented by the Secretary of the Army. Mounting for pressure responsive device. 2,629,801, Feb. 24.

Warsher, Adolph, Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Potentiometer 2,625,633, Jan. 13.

Warsher, Adolph, Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Control circuit. 2,632,872, Mar. 24.

Warstler, Walter H., assignor to The Garrett Corporation, Los Angeles, Calif. Valve. 2,651,985, Sept. 15.

Wartman, George H., Ashland, Wis. Embalming instrument. 2,639,484, May 26.

Warwick, John: *See*—
Heizer, Edward J., and Warwick.

Warwick, Kenneth B., assignor to Geo. W. King Limited, Hitchin, England. Means for lubricating chains. 2,655,222, Oct. 13.

Warwick Mills, assignee: *See*—
Root, Elihu, III.

Wasberg, Axel, assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway house car structure. 2,654,450, Oct. 6.

Wasemann, William A., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus. 2,656,236, Oct. 20.

Washbond, Harry H., assignor to The Baker Manufacturing Company, Springfield, Ill. Cable mounting for scrapers or graders. 2,655,742, Oct. 20.

Washburn, Ernest L., Wilmette, assignor to The Quaker Oats Company, Chicago, Ill. Fractionation of oat oil and use of same. 2,636,888, Apr. 28.

Washburn, George N., assignor to Ozark Fisheries, Inc., Stoutland, Mo. Device for the transportation and storage of live fish. 2,652,807, Sept. 22.

Washburn, Harold W.: *See*—
Robinson, Leland P., Washburn, and Hirschberg.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,632,111, Mar. 17.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Process monitor mass spectrometer minimizing high-voltage history effects. 2,652,495, Sept. 15.

Washburn, Harold W., and C. E. Berry, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,627,034, Jan. 27.

Washburn, Harold W., Pasadena, and C. E. Berry, Altadena, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,632,112, Mar. 17.

Washburn, T. F., Co., assignee: *See*—
Winkler, William B.

Washmobile Corporation, assignee: *See*—
Vani, James, and Malpede.

Wasielewski, Eugene W., South Euclid, Ohio. Heat transfer element supported against external or internal pressures. 2,656,157, Oct. 20.

Wasielewski, Eugene W., South Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Supercharger driving control. 2,660,991, Dec. 1.

Wasko, Bernard, Bronx, assignor to Voland and Sons, Inc., New Rochelle, N. Y. Analytical balance. 2,647,741, Aug. 4.

Wasley, Roy E., assignor of one-third to R. L. Burke and one-third to M. R. Chirgwin, Portland, Oreg. Machine for forming arcuate contours. 2,637,145, May 5.

Wasmansdorff, Carlton, Los Angeles, Calif., assignor, by mesne assignments, to Standard Coil Products Co. Inc. Tunable amplifier and converter unit for radio apparatus. 2,627,579, Feb. 3.

Wasp, Edward J., Brooklyn, and J. S. Wallis, assignors to Petro-Chem Process Company Incorporated, New York, N. Y. Fluid heater. 2,660,996, Dec. 1.

Wass, Ernest: *See*—
Wass, Yvonne and E.

Wass, Yvonne and E., Rochester, N. Y. Upholstery covering. 2,659,421, Nov. 17.

Wassell, Frank L.: *See*—
Scordo, Carmine R., and G. W. and F. L. Wassell.

Wassell, Frank L., assignor to G. P. Wassell, Westport, Conn. Index card and removable index tab. 2,652,059, Sept. 15.

Wassell, George W.: *See*—
Scordo, Carmine R., and G. W. and F. L. Wassell.

Wassell, Georgene P., assignee: *See*—
Scordo, Carmine R., and G. W. and F. L. Wassell.
Wassell, Frank L.

Wasselle, Joseph A., Queens Village, N. Y. Spring lock lamp holder. 2,653,784, Sept. 29.

Wassem, Howard M.: *See*—
Robinson, Joseph J., Jr., and Wassem.

Wasser, Joseph A., Kirkwood, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Temperature responsive actuator. 2,642,309, June 16.

Wasser, Joseph A., Kirkwood, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Electromagnetic valve. 2,650,617, Sept. 1.

Wasserkrug, Bernard K.: *See*—
Spaulding, William D., and Wasserkrug.

Wasserman, Lee S., assignor to The Globe Industries, Inc., Dayton, Ohio. Circuit maker and breaker. 2,661,404, Dec. 1.

Wasserman, Rene D., Stamford, Conn. Welding rod. 2,626,339, Jan. 20.

Wasserman, Rene D., Stamford, Conn. Cast iron filler metal. 2,630,382, Mar. 3.

Wasserman, Rene D., Stamford, Conn. Welding electrode. 2,632,080, Mar. 17.

Wasserman, Rene D., Stamford, Conn. Coated welding electrode. 2,632,835, Mar. 24.

Wasserman, Rene D., Stamford, Conn. Moldable compounds for making jigs. 2,656,281, Oct. 20.

Wasserman, Theodore, San Francisco, and M. E. Lazar, Oakland, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Processing of heat-sensitive fluids. 2,625,488, Jan. 13.

Wasshem, Dore W., Norrkoping, Sweden. Gripping device. 2,652,734, Sept. 22.

Wassick, Andrew A., assignee: *See*—
Coleman, Philip G.

Wassom, Lennis M.: *See*—
Wassom, Roy A. and L. M.

Wassom, Roy A. and L. M., Nardin, Okla. Infant's band. 2,655,151, Oct. 13.

Wasson, Jones, I.: *See*—
Rudel, Harry W., and Wasson.

Wasson, Jones I., Union, N. J., assignor to Standard Development Company. Lubricant for pneumatic and the like. 2,638,446, May 12.

Wasyluka, Paul, assignor to Gaylord Container Corporation, St. Louis, Mo. Carton. 2,630,962, Mar. 10.

Watel, Robert G.: *See*—
Lampe, John H., and Watel.

Waterbury Farrel Foundry & Machine Company, assignee: *See*—
Candee, Zenas P.

Waterbury Farrel Foundry & Machine Company, assignee: *See*—
Jackman, George W.

Waterbury Lock & Specialty Company, The, *See*—
Anderson, Arthur P.
Peterson, John E.

Waterbury, Nelson J.: *See*—
Sierer, Payson, and Waterbury.

Waterhouse, Lewis O., Oxford, assignor to C. Knowles Loom Works, Worcester, Mass. Electrostop motion for narrow ware looms. 2,650,62

Waterloo Foundry Company, assignee: *See*—
Harmon, Cline H.

Waterman, Herbert C.: *See*—
Doremus, John A., and Waterman.

Waterman, Herbert C., Chicago, Ill., assignor to Aviation Corporation, South Bend, In
2,642,077, June 16.

Waterman, Herbert C., Chicago, Ill., and F. V. assignors to Bendix Aviation Corporation, S
Ind. Electrical fuel feeding system. 2,644,3

Waterman, Neil J.: *See*—
Swartzel, Karl D., Beneke, and Waterman.

Waterman, Neil S., Tarrytown, N. Y. Syringe. Feb. 10.

Waterman, Neil S., Scarborough, N. Y. Cont
hinged cover. 2,627,995, Feb. 10.

Waterman, Russell R., Lodi, Calif. Steam
2,632,672, Mar. 24.

Waterman, William, Chicago, Ill., and D. A. loughby, Ohio, said Stark assignor to said
Hydraulic control device. 2,644,429, July 7.

Watermann, William J., Elgin, Ill. Adjust
cot or protector. 2,637,850, May 12.

Waterous Company, assignee: *See*—
Collura, Francesco.
Thomas, David F.
Waterous, Fred A.

Waterous, Fred A., assignor to Waterous Co
Paul, Minn. Priming arrangement for
pumps. 2,660,956, Dec. 1.

Waters, Albert V., Perivale, Greenford, assign
V. Limited, London, England. Signal and
use in dynamo-battery systems. 2,659,855,

Waters, Daniel V.: *See*—
Hicks, William T., and Waters.

Waters, Daniel V., Lebanon, N. J., assignor
Electric Company, Incorporated, New York,
dexing mechanism. 2,660,895, Dec. 1.

Waters, David J., and D. L. Wilson, Coventry
to Courtaulds Limited, London, England.
of polythioureas. 2,647,108, July 28.

Waters, Gordon E., Silver Spring, Md., assig
United States of America as represented by
tary of the Navy. Pressure actuated switch.
June 30.

Waters, James B., Niagara Falls, N. Y. Se
boat for swimmers. 2,645,792, July 21.

Waters, James L., Inc., assignee: *See*—
Waters, James L.

Waters, James L., assignor to James L. W
Framingham, Mass. Analysis of mixtures.
Aug. 11.

Waters, James S.: *See*—
Crookston, Robert R., and Waters.

Waterston, James R. C., assignor to Brow
& Co. Limited, Edinburgh, Scotland.
2,663,385, Dec. 22.

Waterval, William, Brooklyn, N. Y. Socke
means for box-type wrenches. 2,651,230,

Wathen, Robert L., Garden City, assignor to
Corporation, Great Neck, N. Y. Traveling
2,657,329, Oct. 27.

Watkins, Arthur S., and G. L. Warsack, a
Produx Corporation, Port Clinton, Ohio.
for injection molding apparatus. 2,635,288

Watkins, Arthur S., and G. L. Warsack, a
Produx Corporation, Port Clinton, Ohio.
molding apparatus. 2,656,568, Oct. 27.

Watkins, Arthur S., and G. L. Warsack, a
Produx Corporation, Port Clinton, Ohio.
molding apparatus. 2,656,569, Oct. 27.

Watkins, Charles A.: *See*—
Wright, John G., Toney, Watkins, Sudar
well.

Watkins, Charles H.: *See*—
Hartwig, Karl T., and Watkins.

Watkins, David T., Lacon, Ill. Grade meter.
Jan. 13.

Watkins, Franklin M., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Petroleum distillates containing ammonium mahogany sulfonates and oil soluble carboxylic acids to prevent corrosion. 2,632,694, Mar. 24.

Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass structure. 2,659,686, Nov. 17.

Watkins, Lee K., Louisville, Ky., assignor to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Drain valve operating means. 2,637,398, Nov. 3.

Watkins, Lucius D., Milwaukee, Wis., assignor to Outboard, Marine & Manufacturing Company, Waukegan, Ill. Dual jacketed engine provided with duplex cooling systems. 2,644,434, July 7.

Watkins Patents, Inc., assignee: *See*—
Frear, Jenness B.

Watkins, Percy G., Oak View, Calif. Device for heating orchards. 2,655,764, Oct. 20.

Watkins, Thomas B., assignor to The General Electric Company Limited, London, England. Electromagnetic apparatus. 2,624,788, Jan. 6.

Watkins, Thomas E., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating drilling fluids to reduce water losses. 2,660,561, Nov. 24.

Watkins, Thomas I.: *See*—
Short, Wallace F., Peak, and Watkins.

Watkins, Victor L., Santa Monica, Calif. Grab block for fork lift trucks. 2,659,506, Nov. 17.

Watkins, Wilbur J., Long Beach, Calif. Toy gun. 2,642,057, June 16.

Watkins, William C., Los Angeles, Calif. Combined door and window. 2,637,878, May 12.

Watkins, William C., Los Angeles, Calif. Steel window structure. 2,638,189, May 12.

Watkins, William C., Los Angeles, Calif. Combined door and window. 2,638,190, May 12.

Watkins, William C., Los Angeles, Calif. Window structure and glazing seal therefor. 2,646,142, July 21.

Watkins, Harold, assignee: *See*—
Harper, Solomon.

Watman, Irving, Hempstead, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Mechanical shrink strut for aircraft landing gears. 2,643,834, June 30.

Watrous, David G., Janesville, Wis., and J. Doig, Chicago, Ill., assignors to The Parker Pen Company, Janesville, Wis. Display device. 2,631,078, Mar. 10.

Watrous, Gilbert A., Chicago, Ill. Table and the like. 2,657,964, Nov. 3.

Watrous, Ward W., Jr., Chatham, assignor to Chatham Electronics Corporation, Newark, N. J. Anode insulating structure. 2,644,101, June 30.

Watrous, Ward W., Jr., Chatham, assignor to Chatham Electronics Corporation, Newark, N. J. Heat shielded cathode. 2,650,997, Sept. 1.

Watrous, Ward W., Jr., Chatham, assignor to Chatham Electronics Corporation, Newark, N. J. Baffle structure in gaseous discharge devices. 2,650,998, Sept. 1.

Watrous, Ward W., Jr., Chatham, assignor to Chatham Electronics Corporation, Newark, N. J. Gas discharge device. 2,653,261, Sept. 22.

Watry, Louis T.: *See*—
Baker, John G., Tullis, and Watry.

Watson, Albert T., and S. H. Hastings, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of high viscosity index lubricating oils. 2,643,217, June 23.

Watson, Charles W., Minden, La. Dumping trailer and endgate control therefor. 2,635,919, Apr. 21.

Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Regeneration of hydrocarbon synthesis catalysts. 2,635,110, Apr. 14.

Watson, Clyde E.: *See*—
Schrock, Jacob N., and C. E. and H. Watson.

Watson, Coleman H., Birmingham, assignor of 60 per cent to Aaron Sachs, Bessemer, Ala. Portable electric spot welding apparatus. 2,644,067, June 30.

Watson, Coleman H., Birmingham, Ala., assignor to United States Steel Corporation. Apparatus for conveying magnetizable sheets. 2,660,318, Nov. 24.

Watson, Edwin D., South Gate, and J. D. Creek, Lynwood, Calif., assignors to Thompson Products, Inc., Cleveland, Ohio. Valve assembly. 2,624,587, Jan. 6.

Watson Elevator Company, Inc., assignee: *See*—
Fribance, Austin E., and Jarvis.

Watson, Forrest J.: *See*—
Meistrom, Donald S., and Watson.
Talley, Samuel K., and Watson.

Watson, Forrest J., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Hydraulic fluid. 2,636,861, Apr. 28.

Watson, Forrest J., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricant and hydraulic fluid compositions. 2,636,862, Apr. 28.

Watson, Frederick W. H., assignor to The Mirrlees Watson Company Limited, Glasgow, Scotland. Apparatus for producing smoke. 2,646,032, July 21.

Watson, George F., assignor to The Christensen Machine Company, Racine, Wis. Magnetic calipering device. 2,637,115, May 5.

Watson, George F., assignor to The Christensen Machine Company, Racine, Wis. Magnetic caliper for sheet material handling apparatus. 2,637,552, May 5.

Watson, George R., Waukegan, Ill. Rock drill bit. 2,659,577, Nov. 17.

Watson, Harold: *See*—
Schrock, Jacob N., and C. E. and H. Watson.

Watson, Harry G., Sr., Alpine, Tex. Match package. 2,626,703, Jan. 27.

Watson, John Warren, Company, assignee: *See*—
Watson, John Warren and R. A.

Watson, John W., Wayne, Pa. Leaf spring end spacer and cushioning device. 2,663,563, Dec. 22.

Watson, John W., Wayne, and R. A. Watson, Villanova, assignors to John Warren Watson Company, Philadelphia, Pa. Leaf spring spacing structure and anchorage therefor. 2,626,798, Jan. 27.

Watson, Kenneth: *See*—
McLeod, Roderick C., and Watson.

Watson, Kenneth M.: *See*—
Smith, Robert L., and Watson.

Watson, Kenneth M., Madison, Wis. Continuous adsorption process. 2,636,575, Apr. 28.

Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Gravity bed reactor. 2,626,205, Jan. 20.

Watson, Kenneth M., Madison, Wis., R. E. Howe, Sinclair, Wyo., and R. L. Smith, Western Springs, Ill., assignors to Sinclair Refining Company, New York, N. Y. Rejection of inactive material from a fluidized catalyst regenerator. 2,631,981, Mar. 17.

Watson, Ralph L., Denver, Colo. Coupler for model railroads. 2,631,740, Mar. 17.

Watson, Raymond H., Greenfield, Ohio. Stay in gear. 2,660,903, Dec. 1.

Watson, Raymond L., Elkridge, Md. Collapsible chair. 2,650,652, Sept. 1.

Watson, Richard A.: *See*—
Watson, John W. and R. A.

Watson, Robert A., assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Thermostatic switching device. 2,639,352, May 19.

Watson, Robert B., Austin, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Polar chart recorder. 2,647,813, Aug. 4.

Watson, Roger W., Highland, Ind., and C. R. Ditto, Alton, assignors to Standard Oil Company, Chicago, Ill. Preparation of barium salts of phosphorus sulfide-hydrocarbon reaction products. 2,647,889, Aug. 4.

Watson-Stillman Co., The, assignee: *See*—
Farley, Francis S.

Watson, Thomas J., New Canaan, Conn., and S. Brand, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Record punching machine and recording machine control by said punched record. 2,637,898, May 5.

Watson, W., & Sons, Limited, assignee: *See*—
Hopkins, Harold H.

Watson, Wallace B., Clay, and A. D. Wilson, Central Square, N. Y., assignors to General Electric Company. Adjustable gearing device. 2,633,032, Mar. 31.

Watson, William H., assignor to T. M. M. (Research) Limited, Helmshore, Rossendale, England. Roller-type drafting apparatus of textile spinning and analogous machinery. 2,624,074, Jan. 6.

Watson, William H., and R. L. Nelson, assignors to Corinth Machinery Co., Corinth, Miss. Hydraulically actuated auxiliary assembly for sawmills. 2,640,513, June 2.

Watson, William H., Werneth, Oldham, and S. L. Cole, assignors to T. M. M. (Research) Limited, Helmshore, Rossendale, England. Ring spinning machine for spinning fibrous material. 2,647,357, Aug. 4.

Watson, William R., assignor to Bird & Son, inc., East Walpole, Mass. Boxmaking machine. 2,633,780, Apr. 7.

Watt, Alexander B.: *See*—
Ballard, Alfred G., Dent, Broscomb, and Watt.

Watt, Alexander B., Handsworth, Birmingham, assignor to G. K. N. Group Services Limited, Smethwick, England. Heading and like machine. 2,659,906, Nov. 24.

Watt, Bob E., Tulsa, Okla., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar system for moving target indication. 2,639,420, May 19.

Watt, Gordon J.: *See*—
McCartney, Earl, and Watt.

Watt, John R., Austin, Tex. Freezing machine. 2,639,594, May 26.

Watt, Thomas, Berea, Johannesburg, Transvaal, Union of South Africa. Mounting of ball bearing. 2,648,577, Aug. 11.

Watter, Michael: *See*—
Eksergian, Rupen, and Watter.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Room with movable bed for railway sleeping cars or the like. 2,628,366, Feb. 17.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Railway truck and body organization. 2,636,451, Apr. 28.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Sealed seam attachment of corrugated sheet metal. 2,636,968, Apr. 28.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Shock and sound absorbing vehicle wheel and the like. 2,659,622, Nov. 17.

Watter, Michael, and W. S. Eggert, Jr., assignors to The Budd Company, Philadelphia, Pa. Composite door for automobiles. 2,650,857, Sept. 1.

Watterlohn, Roy H., assignor to J. P. Seeburg Corporation, Chicago, Ill. Magnetic recording apparatus. 2,631,789, Mar. 17.

Watterson, Robert S., Jr., Salem, Ohio. Strip stock oiler. 2,633,822, Apr. 7.

Watton, Leonard H. N.: *See*—
Brown, Roland, and Watton.

Wattpar Corporation, assignee: *See*—
Watts, Albert E., Jr., and Parker.

Watts, Alan J.: *See*—
Taylor, Harry B., and Watts.

Watts, Albert E., Jr., Great Neck, and J. R. Parker, Brooklyn, N. Y., assignors to Wattpar Corporation. Gasoline dispensing system for airplanes. 2,642,957, June 23.

Watts, Betty M., Fayetteville, N. Y., and H. V. Moss, Anniston, Ala., assignors to Syracuse University, Syracuse, N. Y. Stabilized aqueous fatty compositions. 2,629,664, Feb. 24.

Watts, Charles A., La Grange, assignor to Swift & Company, Chicago, Ill. Dispensing apparatus. 2,625,283, Jan. 13.

Watts Electric & Mfg. Co., assignee: *See*—
Thomas, George J.

Watts, George, assignor to Henry Simon (Holdings) Limited, Cheadle Heath, Stockport, England. Pneumatic elevator for flour mill stocks. 2,639,862, May 26.

Watts, John J., Kansas City, and M. A. Summerour, Lees Summit, Mo. Lawn mower drive. 2,645,300, July 14.

Watts, John L., Daytona Beach, Fla. Plant identification tag and making and applying same. 2,642,684, June 23.

Watts, John T.: *See*—
Paul, Harry, and Watts.

Watts, Leon A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Device for mechanically sizing the slots of magnetic cores. 2,652,619, Sept. 22.

Watts, (Mrs.) Martha F., assignee: *See*—
Yeomans, Lucien I.

Watts Regulator Company, assignee: *See*—
Dillon, Wendell M.

Watts, Rhea N., and J. P. Bilisoly, Baton Rouge, La., assignors to Standard Oil Development Company. Treating conversion catalysts. 2,651,599, Sept. 8.

Watts, Richard J.: *See*—
Froman, Darol K., Hinch, and Watts.

Watts, Vera M., Plainville, Kans. Lifter for cooking utensils. 2,639,184, May 19.

Watts, William M.: *See*—
Russell, Arthur O., Jones and Watts.

Watts, William S., Roselle, assignor to Aircraft Marine Products, Inc., Elizabeth, N. J. Electrical connector. Re. 23,688, July 21.

Watts, William W., Wynnewood, Pa., assignor to Radio Corporation of America. Tape-reeling system. 2,628,039, Feb. 10.

Waugh, Charles C., Los Angeles, Calif., assignor to North American Aviation, Inc. Pressure gauge. 2,641,131, June 9.

Waugh, Dale L., assignor to The Dayton Rubber Company, Dayton, Ohio. Cord belt. 2,631,463, Mar. 17.

Waugh, David F., Watertown, Mass., assignor to Research Corporation, New York, N. Y. Purifying insulin by seeding with unclumped fibrils of insulin. 2,648,622, Aug. 11.

Waugh Equipment Company, assignee: *See*—
Clark, Leverett M., and Fillion.
Munro, George R.
Roy, Nereus H.
Simonson, Sigvard.

Waugh, George P.: *See*—
Kenyon, William O., Waugh, and Taylor.

Waugh, George P., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of polyvinyl alcohol. 2,642,419, June 16.

Waugh, Stanley P., Westfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Sulfurized tall oil-containing compositions. 2,631,129, Mar. 10.

Waugh, Stanley P., Westfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Stabilized compositions containing sulfurized esters of tall oil. 2,631,131, Mar. 10.

Waukesha Foundry Company, assignee: *See*—
Funk, Gilbert R.

Wave Power Development Limited, assignee: *See*—
Montgomery, Seton J., and Macnab.

Wawzonek, Joseph: *See*—
Green, Isaac H. C., and Wawzonek.
St. Pierre, Eugene, and Wawzonek.

Wax, Dave, Brooklyn, N. Y. Card case. 2,634,778, Apr. 14.

Way, David G.: *See*—
Wanzer, Arthur W., Way, and Kalning.

Way, Glenn W., Delaware, Ohio. Door latching and operating mechanism. 2,643,906, June 30.

Way, Glenn W., Delaware, Ohio. Door latching and operating mechanism. 2,647,003, July 28.

Way, Walter C., Burke, Idaho. Pressure governed time valve. 2,643,644, June 30.

Wayland, Edwin M., Covesville, Va. Fruit grading device. 2,630,222, Mar. 3.

Wayland, Edwin M., Covesville, Va., and C. W. Smith, Bridgeville, Del.; said Smith assignor to said Wayland. Fruit grading device. 2,630,223, Mar. 3.

Wayman, Albert J., East Palestine, Ohio. Service cable entrance cap. 2,648,721, Aug. 11.

Wayman, Albert J., East Palestine, Ohio. Watertight cable connector. 2,651,529, Sept. 8.

Wayne, Peter H., assignor to Micromatic Hone Corporation, Detroit, Mich. Honing grooved elements. 2,634,561, Apr. 14.

Wayne Pump Company, The, assignee: *See*—
Ainsworth, Freedom H.
Waldie, George A., and Conklin.

Wayne, Winston J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining cellular polymeric materials. 2,628,945, Feb. 17.

Wayo, Stephen J., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oils containing an acyloxyacetic acid as a rust inhibitor. 2,659,697, Nov. 17.

Weakland, Walter L., Platte City, Mo., assignor to Rockledge Manufacturing Company. Grass deflector for mowers. 2,627,157, Feb. 3.

Weaklend, Stephen E.: *See*—
Simpson, Lynn L., and Weaklend.

Weaklend, Walter L., Platte City, Mo., assignor to Rockledge Manufacturing Company. Tractor cab. 2,631,057, Mar. 10.

Weaklend, Walter L., Platte City, Mo., assignor to Rockledge Manufacturing Company. Umbrella. 2,633,856, Apr. 7.

Wean Engineering Company, Inc., The, assignee: *See*—
Wean, Raymond J.

Wean Equipment Corporation, assignee: *See*—
Donald, William P.
Stoeckel, Albert L.

Wean, Raymond J., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Electroplating zinc using titanium containing electrolyte. 2,646,397, July 21.

Wear, John M., Jr., Gray Summit, assignor to Ralston Purina Company, St. Louis, Mo. Automatic poultry drinking fountain. 2,659,347, Nov. 17.

Weast, Willie N., Silverton, Tex. Mechanical turn lift. 2,651,983, Sept. 15.

Weatherby, Robert, assignee: *See*—
Alloway, David L.

Weatherford, Theodore, East St. Louis, Ill. Hoist. 2,646,893, July 28.

Weatherhead Company, The, assignee: *See*—
Allin, Frederick R., and Wyss.
Arey, Alton L., and St. Clair.
Baldwin, John D., Jr., and Szitar.
Campbell, John F.
Courtot, Louis B.
Hunziker, Fred, and Courtot.
Johnson, Andrew G., and St. Clair.
King, Lewis O.
Lindgren, George O. R.
Paquin, Joseph N.
Phillips, Robert W.
Rood, Alvin A.
St. Clair, Theodore A.

Weathers, Leland C., assignor to Vickers, Incorporated, Detroit, Mich. Compensated follow-up system. 2,628,334, Feb. 10.

Weathers, Leland C., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,648,045, Aug. 4.

Weaver, Albert J., San Antonio, Tex. Light control and ventilated awning. 2,650,394, Sept. 1.

Weaver, Alexander E., and C. H. Smith, assignors to American-La France-Foamite Corporation, Elmira, N. Y. Fire extinguisher discharge head. 2,649,919, Aug. 25.

Weaver, Allan: *See*—
Dahlbom, Carl A., and Weaver.
Fritschi, Walter W., Soffel, and Weaver.
Locke, George A., and Weaver.

Weaver, Allan, Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex telegraph system. 2,626,994, Jan. 27.

Weaver, Archie B., Lorain, Ohio. Collapsible support for coils. 2,630,980, Mar. 10.

Weaver, Beatrice B., Yuba City, Calif. Film developing table. 2,651,982, Sept. 15.

Weaver, Clay, assignor to E. I. Du Pont de Nemours & Company, Wilmington, Del. Light-sensitive photographic element and process of coating. 2,647,835, Aug. 4.

Weaver, Eastman A., Winchester, Mass., assignor, by mesne assignments, to Stator Company. Injector type refrigerating system. 2,633,007, Mar. 31.

Weaver, Eastman A., Winchester, assignor to Comstock & Wescott, Inc., Cambridge, Mass. Apparatus for measuring the contents of large tanks. 2,651,939, Sept. 15.

Weaver, Elverton W., Cleveland Heights, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,625,285, Jan. 13.

Weaver, Harry B., Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing multiconductor insulated wires. 2,653,296, Sept. 22.

Weaver, Ira A., Springfield, Ill., assignor, by mesne assignments, to Gisholt Machine Company, Madison, Wis. Pickup device for use with balance testing machines. 2,650,961, Sept. 1.

Weaver, Ira A., and C. H. Phelps, Springfield, Ill., assignors, by mesne assignments, to Gisholt Machine Company, Madison, Wis. Means for adjustment of balancing machines. 2,656,710, Oct. 27.

Weaver, Joe C., Jr.: *See*—
Eliot, Theodore Q., and Weaver.
Steitz, Alfred, Jr., Grekel, Eliot, and Weaver.

Weaver, Joe, Jr., Indianapolis, Ind. Concealed cemetery vase. 2,638,717, May 19.

Weaver, John L., assignee: *See*—
Weeks, Henry R.

Weaver, Joseph L.: *See*—
Wright, Orrin H., Weaver, and Fitch.

Weaver, Kenneth R.: *See*—
Spiess, Newton E., Jr., Gropen, and Weaver.

Weaver Manufacturing Company, assignee: *See*—
Squyer, Albert R., and Dirksen.

Weaver, Raymond A., Los Angeles, Calif. Circumferentially adjustable tire removing device. 2,653,053, Sept. 29.

Weaver, Ruth K., Chicago, L. M. Wingblade, Mount Prospect, and L. E. Thatcher, Berwyn, assignors to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin carding machine. 2,662,596, Dec. 15.

Weaver, Ruth K., and P. T. Hahn, assignors to Gaylord Products, Incorporated, Chicago, Ill. Hair curling device. 2,654,373, Oct. 6.

Weaver, William R., El Paso, Tex. Telescope mount. 2,632,251, Mar. 24.

Weaving, John H.: *See*—
Rennie, Basil C., and Weaving.

Weaving, John H., Moseley, Birmingham, K. J. Dangerfield, Selly Oak, Birmingham, and T. K. Garrett, Rubery, near Birmingham, assignors to The Austin Motor Company Limited, Northfield, Birmingham, England. Motor road vehicle torsion resistant chassis. 2,646,991, July 28.

Webb, Cecil E., Norwood, Ohio, assignor to M. S. Bowne, as trustee, Clearfield, Ky. Method and apparatus for finishing the ends of tile sections. 2,630,613, Mar. 10.

Webb, Cecil E., Norwood, Ohio, assignor to M. S. Bowne, Clearfield, Ky., as trustee. Fluid operated control system. 2,646,778, July 28.

Webb, Charles D. H., assignor to The Plessey Company Limited, Ilford, England. Plug and socket having a spring-pressed latch. 2,638,574, May 12.

Webb, Christopher F., assignor to Bell Punch Company Limited, London, England. Numeral wheel locking mechanism. 2,662,690, Dec. 15.

Webb, Christopher F., assignor to Bell Punch Company Limited, London, England. Numeral wheel actuating mechanism. 2,662,691, Dec. 15.

Webb, Christopher F., London, England, assignor to General Register Corporation, Long Island City, N. Y. Ticket storage and issuing equipment. 2,657,750, Nov. 3.

Webb, Christopher F., Uxbridge, assignor to Bell Punch Company Limited, London, England. Interlocking mechanism for calculating machines. 2,646,927, July 28.

Webb, Edward L., Baltimore, and R. C. Fox, Pasadena, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Scintillation counter and composite phosphor therefor. 2,650,309, Aug. 25.

Webb, Ernest C., Bay Village, assignor to Iron Fireman Manufacturing Company, Cleveland, Ohio. Coal conditioning and conveying means. 2,639,681, May 26.

Webb, George L., Logansport, Ind., and E. Loro, Lancaster, Ohio, assignors to Essex Wire Corporation, Logansport, Ind. Fuse clip. 2,659,063, Nov. 10.

Webb, Glenn M.: *See*—
Browning, George V., and Webb.

Webb, Glenn M., Western Springs, assignor to Standard Oil Company, Chicago, Ill. Purifying silica-alumina gel of manganese. 2,634,241, Apr. 7.

Webb, Harry, New York, N. Y. Sanitary pad attachment for telephones. 2,650,269, Aug. 25.

Webb, Herbert C.: *See*—
King, William W., and Webb.

Webb, Herbert J.: *See*—
Thomson, E. Craig, and Webb.

Webb, Horace L., Vienna, Va., assignor to Dictavox Company, Inc., Washington, D. C. Silent dictation mask. 2,625,615, Jan. 13.

Webb, Irving D., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Coupling nonterminal allylic halides. 2,654,787, Oct. 6.

Webb, Irving D., Holly Oak, and G. T. Borcherdt, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reactions of heterocyclic compounds with unsaturated carbonyl compounds. 2,640,057, May 26.

Webb, Jack C., assignee: *See*—
Tarr, Robert G.

Webb, James M., Norfolk, Va. Portable clothes-drying rack. 2,636,616, Apr. 28.

Webb, Jervis B., Company, assignee: *See*—
Boyko, John, and McCaul.
Schenk, Adelbert J.
Webb, Jervis B. and J. C.

Webb, Jervis B., Bloomfield Hills, and J. C. Webb, Birmingham, assignors to Jervis B. Webb Company, Detroit, Mich. Trolley conveyer bracket. 2,644,571, July 7.

Webb, Jervis C.: *See*—
Webb, Jervis B. and J. C.

Webb, Kermit M.: *See*—
Berger, Sidney E., and Webb.

Webb, Mildred G., and G. W. Seat, Nashville, Tenn. Invalid chair for bathtubs. 2,648,849, Aug. 18.

Webb, Richard H.: *See*—
Miller, Theadore, and Webb.

Webb, Robert C., Ashland, Ky. Magnetic screw holding attachment for screw drivers. 2,641,290, June 9.

Webb, Robert R., assignor to Charles R. Hadley Company, Los Angeles, Calif. Folding support for filing devices. 2,633,850, Apr. 7.

Webb, Samuel: *See*—
Kennedy, Truman H., and Webb.

Webb, Samuel, Pittsburgh, Pa., assignor to United States Steel Corporation. Gauging device for determining misalignment of land and threads of drill pipes. 2,630,633, Mar. 10.

Webb, Washington: *See*—
Wagner, John L., Webb, and Eichorn.

Webbeking, Carl, Cleveland, Ohio. Novelty fly swatter. 2,651,878, Sept. 15.

Webber, Carl B., Winston-Salem, N. C. Rotary brush mechanism for washing glasses. 2,631,313, Mar. 17.

Webber, Charles R.: *See*—
Farnsworth, Richard, Erickson, and Webber.

Webber, Charles R., and V. R. Erickson, assignors to Powder Power Tool Corporation, Portland, Oreg. Stud for explosive installations. 2,637,241, May 5.

Webber, Jack C., Dallas, Tex. Well swab. 2,633,808, Apr. 7.

Webber, Jack C., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Packing means for wells. 2,639,773, May 26.

Webber, John J., Newark, Ohio. Interval timer. 2,656,672, Oct. 27.

Webber, Joseph T., Galesburg, Mich. Specific-gravity tester. 2,655,034, Oct. 13.

Webber, Louis Q., assignor to Martin-Decker Corporation, Long Beach, Calif. Traveling line load indicator. 2,656,719, Oct. 27.

Weber, Adolph C., University City, assignor to Laclede Steel Company, St. Louis, Mo. Anchored corrugated decking. 2,639,010, May 19.

Weber, Alfred, Chicago, Ill. Safety razor blade plane. 2,648,363, Aug. 11.

Weber, Carl M., and T. C. Pulvino, assignors to Weber Machine Corporation, Rochester, N. Y. Bowling pin lifting and resetting apparatus. 2,651,519, Sept. 8.

Weber, Donald P., assignor to The H. C. Godman Company, Columbus, Ohio. Shoemaking machine. 2,643,405, June 30.

Weber, Frank R., Jr., Alameda, Calif., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Target for particle accelerators. 2,626,359, Jan. 20.

Weber, Fred L., Miami, Fla. Interlocking roofing tile. 2,644,410, July 7.

Weber, Gay W., Erie, Pa., assignor to General Electric Company. Direct current supply system. 2,651,749, Sept. 8.

Weber, George: *See*—
Capatack, Eugene J., Weber, and Zuccarini.

Weber, Gilbert W., Cleveland, Ohio, assignor to United States Steel Corporation. Wire bundle splitter. 2,654,958, Oct. 13.

Weber, H. G., and Company, Inc., assignee: *See*—
Weber, Herbert H., and Olsen.
Weber, Herbert H., and Sohn.

Weber, Henry C.: *See*—
Tinker, Walter H., and Weber.

Weber, Henry C., St. Louis, Mo., assignor to Fairbanks, Morse & Co., Chicago, Ill. Air volume control for water supply systems. 2,660,954, Dec. 1.

Weber, Herbert H., Sheboygan, and J. O. Olsen, Milwaukee, assignors to H. G. Weber and Company, Inc., Kiel, Wis. Roll stand. 2,635,823, Apr. 21.

Weber, Herbert H., Sheboygan, and A. O. Sohn, Plymouth, assignors to H. G. Weber and Company, Inc., Kiel, Wis. Apparatus for positively feeding paste and other adhesives to moving work. 2,641,220, June 9.

Weber, Ihno F., Dayton, Ohio. Parking system. 2,626,718, Jan. 27.

Weber Insulations, Incorporated, assignee: *See*—
Weber, Louis, Sr.

Weber, Ira, Brooklyn, and K. Bloch, assignors to Interchemical Corporation, New York, N. Y. Fluorescent seam paste. 2,631,243, Mar. 10.

Weber, Isaac E., New Rochelle, and J. Blumenfeld, New York, N. Y., said Weber assignor to said Blumenfeld, assignor to Simone Mercier, New York, N. Y. Pressure accumulator. 2,630,834, Mar. 10.

Weber, Jean, South Orange, N. J. Weighing scale. 2,646,979, July 28.

Weber, John C., Jr., assignor to West Virgina Glass Specialty Company, Weston, W. Va. Device for supporting glassware in burning-off operations. 2,660,833, Dec. 1.

Weber, Joseph A., Prospect Heights, Ill. Solvent applicator for imprinting machines. 2,657,665, Nov. 3.

Weber, Karl A., Brentwood Heights, assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Self-service refrigerated showcase. 2,631,438, Mar. 17.

Weber-Knapp Company, assignee: *See*—
Phelps, Malcolm T.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble heater apparatus and regenerating pebbles therein. 2,630,413, Mar. 3.

Weber, Louis J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pebble feeder. 2,656,941, Oct. 27.

Weber, Louis, Sr., Tacoma, Wash., assignor to Weber Insulations, Incorporated, East Chicago, Ind. Insulating filler compositions. 2,643,193, June 23.

Weber Machine Corporation, assignee: *See*—
Weber, Carl M., and Pulvino.

Weber, Milton N., assignor of one-half to H. W. Link, Detroit, Mich. Scale with a minimum of platform movement. 2,634,968, Apr. 14.

Weber, Milton W., assignor to Knapp-Monarch Company, St. Louis, Mo. Push-button spigot. 2,628,060, Feb. 10.

Weber, Morris M., New York, N. Y. Cardboard box structure. 2,634,046, Apr. 7.

Weber, Nelson H.: *See*—
Hept, Ralph W., and Weber.

Weber, Nelson H., Bronson, Mich., assignor to Kingston Products Corporation, Kokomo, Ind. Combined starter and ignition switch. 2,654,005, Sept. 29.

Weber, Nicholas, Teaneck, assignor to Condenser Service & Engineering Co. Inc., Hoboken, N. J. Leakage control tube mounting for double tube plate heat exchangers. 2,660,411, Nov. 24.

Weber, Otto R., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Reel apparatus for forming coils of cable. 2,662,701, Dec. 15.

Weber, Robert, assignee: *See*—
Jantzen, William L.

Weber, Robert, Muttenz, and W. Frey, Basel, assignors to Saeurefabrik Schweizerhall, Schweizerhalle, Switzerland. Process and apparatus for the production of finely divided metallic oxides useful as pigments. 2,635,946, Apr. 21.

Weber Showcase & Fixture Co., Inc., assignee: *See*—
Weber, Karl A.

Weber, Theodore, Jr.: *See*—
Smith, Stanley J., and Weber.

Weber, Vitészlav, Cardiff, Wales, assignor to Acro Zipp Fasteners Limited, London, England. Slider for slide fasteners. 2,657,445, Nov. 3.

Webley, Reginald S.: *See*—
Lubszynski, Hans G., and Webley.
McGee, James D., White, Lubszynski, Webley, and Huntley.

Webster, Alexander H., London, assignor to R. W. Webster and Company Limited, Waltham Cross, England. Conveyer system. 2,641,371, June 9.

Webster, Alexander H., London, assignor to R. W. Webster and Company Limited, Abbey Ironworks, Waltham Cross, England. Method and apparatus for controlling the liquid seals on steam sterilizers. 2,660,512, Nov. 24.

Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.
Dale, Colin B., Berg, and Wagner.

Webster, Clifford L., assignor to Aluminum Air Seal Manufacturing Company, Youngstown, Ohio. Combination storm window. 2,628,678, Feb. 17.

Webster Electric Company, assignee: *See*—
Campbell, Richard H.
Jensen, Clarence F.
Osborne, Herbert C.

Webster, George L.: *See*—
Ninneman, Eric O., Webster, Hohl, and Bjering.

Webster, Henry G.: *See*—
Grinham, Edward G., and Webster.

Webster, John F.: *See*—
Johnson, Edgar B., and Webster.

Webster, Lawrence J., Rochester, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive photographic element. 2,626,867, Jan. 27.

Webster, R. W., and Company Limited, assignee: *See*—
Webster, Alexander H.

Webster, Raymond C., assignor to W. E. Anderson, Inc., Kansas City, Mo. Flowmeter for oxygen tanks. 2,637,997, May 12.

Webster, Roderick, assignor to The Hydro-Blast Corporation, Chicago, Ill. Apparatus for cleaning granular material. 2,637,330, May 5.

Webster, Roderick S., assignor to The Hydro-Blast Corporation, Chicago, Ill. Cleaning apparatus for castings and the like. 2,628,455, Feb. 17.

Webster, Roderick S., assignor to The Hydro-Blast Corporation, Chicago, Ill. Dewatering device for sand and the like. 2,644,587, July 7.

Webster, Stanley K., assignor to Otarion, Inc., Chicago, Ill. Audio-frequency output control circuit. 2,630,498, Mar. 3.

Webster, Thomas J., assignor to The British Oxygen Company Limited, London, England. Apparatus for determination of the temperature of deposition of electrically nonconducting solids from gases. 2,660,882, Dec. 1.

Webster, Vey V., Newhall, assignor of twenty-five per cent to Bonelli Cattle Company, Saugus, Calif. Sub holder. 2,657,014, Oct. 27.

Webster, Walter L., Los Angeles, Calif. Smoking appliance. 2,646,050, July 21.

Webster, William: *See*—
Gasson, Edward J., Millidge, and Webster.

Wechsler, Herman, Ventura, Calif., assignor, by mesne assignments, to Dearborn Motors Corporation, Highland Park, Mich. Precision seed planter. 2,645,385, July 14.

Wechsler, Hermann, Ventura, Calif., assignor, by mesne assignments, to Dearborn Motors Corporation, Birmingham, Mich. Seed ejector for planters. 2,646,191, July 21.

Wechter, William M., executor: *See*—
Tannenbaum, Morris L.

Weckerling, Frank A., Pine Island, Minn. Fishing apparatus. 2,628,443, Feb. 17.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale indicator. 2,626,142, Jan. 20.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,642,277, June 16.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Spring weighing scales. 2,646,274, July 21.

Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Proportioning scale. 2,656,142, Oct. 20.

Weckesser, Charles L., Norwich, N. Y. Improvement in packaging. 2,634,857, Apr. 14.

Weddell, Joseph K., Longmeadow, Mass. Telephone attachment. 2,634,338, Apr. 7.

Wedel, Charles, Minden, Iowa. Tire carting dolly. 2,640,615, June 2.

Wedel, John J.: *See*—
Christensen, John W., Granger, and Wedel.

Wedge Protectors, Inc., assignee: *See*—
Phillips, Stanley L.

Wedig, Frank L., Jr.: *See*—
Maher, Richard A., Oliver, and Wedig.

Wedler, Frederick C., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and means for unwinding wound packages from the inside. 2,630,280, Mar. 3.

Weeber, Karl W., Minneapolis, Minn. Greenhouse ridge assembly. 2,642,018, June 16.

Weed, Ralph A., Canton, Ill. Paint can brush scraper. 2,626,081, Jan. 20.

Weed, Wayne B.: *See*—
Whitney, Robert B., and Weed.

Weedman, John A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Continuous adsorption-desorption process. 2,643,972, June 30.

Weehuizen, George: *See*—
Jansen, Pieter C., and Weehuizen.

Weeks, Charles M., Takoma Park, Md., and E. F. Saxman, Jr., Gladwyne, Pa. Rolling disk toy. 2,624,157, Jan. 6.

Weeks, Harold J., Dayton, Ohio. Valve timer. 2,629,437, Feb. 24.

Weeks, Henry R., Coronado, assignor of one-half to J. L. Weaver, San Diego, Calif. Scraper with resilient shield and hand rest. 2,624,111, Jan. 6.

Weeks, Norman E., Normandy, assignor to Bemis Bro. Bag Company, St. Louis, Mo. Manufacture of articles, such as valved bags, made of waterproof laminated fabric. 2,652,088, Sept. 15.

Weeks, Robert W., West Chester, Pa., assignor to Wind Turbine Company. Rod joint or coupling. 2,652,274, Sept. 15.

Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Inertia damper for automatic toaster carriages. 2,653,533, Sept. 29.

Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Stand for travel irons. 2,658,293, Nov. 10.

Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Seal for coffee makers. 2,662,464, Dec. 15.

Weeks, William J., Florence, S. C. Fertilizer distributor. 2,648,464, Aug. 11.

Weeks, William L., Shawsville, Va. Map holder. 2,637,128, May 5.

Weeman, Herman C., assignee: *See*—
Davis, Rooney W.

Wee Moderns, Inc., assignee: *See*—
Fischer, Willard H.

Weems, Albert W., Meridian, Miss. Cotton-picking spindle and stripper therefor. 2,645,892, July 21.

Weems, Joe B., Dickson, Tenn. Blade and tool holder. 2,651,108, Sept. 8.

Weesner, William E.: *See*—
Gamrath, Harry R., and Weesner.

Wefco Inc., assignee: *See*—
Winslow, Willis M.

Wefing, Charles A.: *See*—
Luby, Henry N., and Wefing.

Weger, Karl, Vienna, Austria. Mop and wringer. 2,632,903, Mar. 31.

Weggum, Gust, Nashwauk, Minn., assignor to The Jeffrey Manufacturing Company. Conveyer system, including a stacker, trailing conveyer, and belt lifting feed hopper. 2,641,353, June 9.

Wegler, Richard: *See*—
Hansen, Kurt H. E., Drapal, Hintzmann, and Wegler.
Lober, Friedrich, Bögemann, and Wegler.
Weglin, Walter, New York, N. Y. Candle and making. 2,627,174, Feb. 3.
Wegmann, Jacques: *See*—
Menzi, Karl, Riat, and Wegmann.
Wegmann, Jacques, and K. Menzi, assignors to Ciba Limited, Basel, Switzerland. Dyeing cellulose fibers with direct-dyeing cupriferous azo-dyestuffs and dyebaths used therefor. 2,662,807, Dec. 15.
Wegner Machinery Corporation, assignee: *See*—
Weygang, William G., and Swendsen.
Wegner, Robert A., San Diego, Calif. Combination upholstered chair and ottoman. 2,655,203, Oct. 13.
Wegner, Theodore O., London, England. Absorbent wristband. 2,643,389, June 30.
Wehby, Jack P., Nashville, Tenn. Refrigerated compartmentalized vehicle. 2,633,714, Apr. 7.
Wehmanen, Oscar Y., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Sealing element. 2,643,904, June 30.
Wehmiller, Frederick W., Ladue, assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Conveying apparatus. 2,658,608, Nov. 10.
Wehmiller, Frederick W., Ladue, and W. J. Nekola, Normandy, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Device for transferring traveling articles. 2,642,173, June 16.
Wehn, Stanley A., Santa Monica, Calif. Sound producer for fishing apparatus. 2,624,145, Jan. 6.
Wehr, Henry W., and F. B. Nagle, assignors to The Dow Chemical Company, Midland, Mich. Polymers of alkenyl aromatic compounds and acrylonitrile and making the same. 2,646,423, July 21.
Wehr, Henry W., and F. B. Nagle, assignors to The Dow Chemical Company, Midland, Mich. Acrylonitrile compositions and making the same. 2,646,424, July 21.
Wehr, Robert D., Lakeland, Fla. Apparatus for extracting juice from citrus fruits. 2,652,769, Sept. 22.
Wehr, William G., North Madison, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shockproof conductor for electrified material handling apparatus. 2,640,114, May 26.
Wehren, Fredrick L.: *See*—
Palmatier, Clifford C., and Wehren.
Wehrenfennig, Hugo, assignor to Ernst Leitz G. m. b. H., Optische Werke, Wetzlar (Lahn), Germany. Bayonet union for camera objective parts. 2,643,581, June 30.
Wehrenfennig, Hugo, and L. Leitz, assignors to Ernst Leitz G. m. b. H., Wetzlar (Lahn), Germany. Camera winding key. 2,639,100, May 19.
Wehrle, Joseph J., Clarksboro, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil. 2,638,448, May 12.
Wehrli, Alfred, Islikon, Switzerland. Electric cooking device. 2,664,495, Dec. 29.
Wehrli, Walter: *See*—
Ischer, Hans, Iselin, and Wehrli.
Kuppeler, Markus, Steinemann, and Wehrli.
Kehrer, Fritz, and Wehrli.
Ruckstuhl, Hans, and Wehrli.
Wehrli, Walter, assignor to Sandoz Limited, Basel, Switzerland. Copper-contained azo dyestuffs. 2,638,468, May 12.
Wehrwein, John G., Havertown, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Float switch for water coolers. 2,655,574, Oct. 13.
Weibel, Dominique, Nidau-Bienne, assignor to Chim A. G., Basel, Switzerland. Composition for stimulating the growth of plants. 2,654,668, Oct. 6.
Weibel, William A.: *See*—
Kochale, Ernest P., Jr., and Weibel.
Weibel, William A., assignor to Curtis Lighting, Inc., Chicago, Ill. Channel strip with snap on holder. 2,632,477, Mar. 24.
Weichselbaum, Theodore E., Normandy, assignor to A. S. Aloe Company, St. Louis, Mo. Preparing hematin standardized reagent. 2,664,403, Dec. 29.
Weick, Fred E., Calvert Hills, assignor to Engineering & Research Corporation, Riverdale, Md. Gust-alleviating flap system for aircraft. 2,655,326, Oct. 13.
Weidanz, Hermann E.: *See*—
Bozek, John S., and Weidanz.
Weidel, Joseph C., Bonita, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Expansible mandrel. 2,654,413, Oct. 6.
Weideman, Bernard A., Sussex, assignor to Globe-Union Inc., Milwaukee, Wis. Method and apparatus for positioning battery plates for lead-burning. 2,628,992, Feb. 17.
Weidenhammer, James A.: *See*—
Lake, Clair D., Platt, and Weidenhammer.
Weidenheimer, Joseph F.: *See*—
Ritter, Lawrence, and Weidenheimer.
Weidenheimer, Joseph F., Pearl River, and L. Ritter, Valley Cottage, assignors to American Cyanamid Company, New York, N. Y. Biguanide salts of penicillin. 2,631,146, Mar. 10.
Weidenheimer, Joseph F., Pearl River, and L. Ritter, Spring Valley, assignors to American Cyanamid Company, New York, N. Y. Parenteral aureomycin in anhydrous form. 2,644,783, July 7.
Weides, Erich, Langel, near Porz (Rhein), Germany. Electric resistances. 2,647,977, Aug. 4.
Weides, Erich, Langel, near Porz (Rhine), H. C. Riepka, Porz (Rhine), and O. Uebelmann, Langel, near Porz (Rhine), Germany. Electric resistance. 2,658,980, Nov. 10.
Weidman, Cleaon M., Sr.: *See*—
Lehn, John U., and Weidman.
Weidner, Arthur W.: *See*—
Miller, George R., Jr., and Weidner.
Weidner, Edmund, Berlin, Germany. Producing a crystalline mixture of hexamethylenetetramine thiocyanic acid and ammonium sulphate. 2,647,897, Aug. 4.
Weidenheimer, Joseph F., and C. C. Reed, Pearl River, L. Ritter, Spring Valley, and S. D. Upham, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Metal-aureomycin complexes. 2,640,842, June 2.
Weiertz, Axel H., Malmo, and S. H. A. Weiertz, Svedala, Sweden. Combined pneumatic and hydraulic resilient suspension and shock absorbing device for vehicles. 2,644,699, July 7.
Weiertz, Stig H. A.: *See*—
Weiertz, Axel H. and S. H. A.
Weigand, James H., Trenton, N. J. Resilient cover member for bumper guards. 2,624,607, Jan. 6.
Weigand, John L., assignee: *See*—
Rogers, James C.
Weigandt, Carl F., Oakville, Tenn., assignor of 49 per cent to W. E. Turner, Jr., Piggott, Ark. Fishing lure. 2,661,564, Dec. 8.
Weigel, Albert S., Maplewood, N. J., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Distributor apparatus for cinder and the like. 2,632,559, Mar. 24.
Weigele, Albert E.: *See*—
Bassett, Cyrus W., Vander Veer, and Weigele.
Koenig, Christian A., and Weigele.
Weiger Weed & Company, assignee: *See*—
Huebner, Ernest W.
Weigler, John, Mansfield, Ohio. Cigarette case. 2,655,258, Oct. 13.
Weijlard, John: *See*—
Pfister, Karl, III, and Weijlard.
Weijlard, John, and M. Tishler, Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Quaternary ammonium ethyl thiocarbamates. 2,642,428, June 16.
Weijlard, John, and M. Tischler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Thiolurethane quaternary ammonium salts and preparing them. 2,642,450, June 16.
Weijlard, John, Maplewood, and M. Tishler, Westfield, assignors to Merck & Co., Rahway, N. J. Thiolurethanes and preparing. 2,642,451, June 16.
Weikart, John: *See*—
Taff, Wilfred O., and Weikart.
Weikart, John, Cranford, N. J., assignor to Standard Oil Development Company. Production of motor fuels from petroleum oils. 2,641,573, June 9.
Weil, Burt, Cincinnati, Ohio. Display stand. 2,649,972, Aug. 25.
Weil, Jay D., Lexington, and W. L. Nutter, Jr., Georgetown, Ky. Balling gun. 2,650,593, Sept. 1.
Weil, Leonard, Nashville, Tenn. Mop with detergent supply. 2,644,185, July 7.
Weiland, Herbert P., Verona, Wis. Surgical table. 2,661,989, Dec. 8.
Weiland, John N., Cleveland, Ohio. Clutch mechanism. 2,629,470, Feb. 24.
Weiland, John N., Cleveland, Ohio. Fluid pressure and screw operated coupling. 2,629,474, Feb. 24.
Weiland, Richard H., assignor to Boeing Airplane Company, Seattle, Wash. Antifriction screw reversible brake mechanism. 2,653,691, Sept. 29.
Weilbacher, Bernard J., Columbus, Ohio. Shoe. 2,630,635, Mar. 10.
Weill, Bruno R., Statesville, N. C. Resilient seating surface for chairs. 2,644,508, July 7.
Weill, Camille: *See*—
Touraton, Emile, and Weill.
Weimer, Glen L., assignor to Durakool, Inc., Elkhart, Ind. Mercury relay. 2,658,124, Nov. 3.
Weimer, John H., and H. J. Rockey, Sr., assignors to The Hubley Manufacturing Company, Lancaster, Pa. Toy firearm. 2,633,658, Apr. 7.
Weimer, Paul E.: *See*—
Neher, Clarence M., Padgitt, and Weimer.
Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Color television reproducing system. 2,650,264, Aug. 25.
Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Photoelectric apparatus. 2,654,853, Oct. 6.
Weimer, William C., Jackson, Mich. Adjustable buckle for the body of artificial limbs. 2,640,242, June 2.
Weimont, Joseph: *See*—
Marsh, Alonzo K., and Weimont.
Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Fanfolded paper label strip. 2,627,427, Feb. 3.
Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Machine for attaching and wiping labels on conduits or other cylindrical articles. 2,639,830, May 26.

Wein, Joseph, Chicago, Ill. Ball type caster. 2,659,926, Nov. 24.
Weinberg, Edwin A., assignor to The Ludlow Valve Manufacturing Co., Inc., Troy, N. Y. Frangible connection. 2,638,368, May 12.
Weinberg, Elliott L., Long Island City, N. Y., and E. W. Johnson, Westfield, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Organo tin compounds and compositions containing same. 2,648,650, Aug. 11.
Weinberg, Marvin, New York, N. Y. Radiation protective jacket. 2,642,542, June 16.
Weinberg, Maurice J., New York, N. Y. Machine for making pats or chips from plastic bulk material. 2,624,941, Jan. 13.
Weinberg, Maurice J., New York, N. Y. Device for making butter pats. 2,645,852, July 21.
Weinberg, Robert, assignor to Lastik Seam Sales Corporation, New York, N. Y. Tape. 2,652,705, Sept. 22.
Weinberger, Harold, South Orange, N. J. Shrimp deveiner and sheller. 2,647,278, Aug. 4.
Weinberger, Joseph J., Jr.: *See*—
Sauter, Harold F., and Weinberger.
Weinberger, Morris, New York, assignor of one-half to D. M. Klein, Cedarhurst, N. Y. Article holder. 2,638,297, May 12.
Weiner, Louis I., Philadelphia, and B. P. Berman, Upper Darby, Pa. Method and apparatus for determining the volume of articles. 2,662,400, Dec. 15.
Weiner, Robert A.: *See*—
Ross, Richard S., and Weiner.
Weinerman, Harry W., Brooklyn, N. Y. Supronimeter and foot balancing appliance. 2,645,025, July 14.
Weingarden, Herbert B., Detroit, Mich. Record adapter and automatic speed changer. 2,646,284, July 21.
Weingart, Ben, assignee: *See*—
Gannon, Jesse.
Weingart, Ben, Los Angeles, Calif. Means for positioning and holding fasteners in explosively actuated fastener driving tools. 2,660,726, Dec. 1.
Weingart, Richard I. N., New York, N. Y. Ticket stacking machine. 2,653,759, Sept. 29.
Weingart, Richard I. N., New York, N. Y. Ticket stacking receptacle. 2,653,760, Sept. 29.
Weingarten, Joseph, Boston, Mass. Electron tube marking. 2,657,133, Oct. 27.
Weingartner, Gerald A.: *See*—
Bertell, Paul, and Weingartner.
Weingrad, Saul, New York, N. Y. Sectionally composite ceramic kiln. 2,624,930, Jan. 13.
Weinhouse, Sidney: *See*—
Kharasch, Morris S., and Weinhouse.
Weinig, Arthur J., Golden, assignor to Potash Company of America, Denver, Colo. Froth flotation of sylvinite ore. 2,652,150, Sept. 15.
Weinkauff, Oliver J., assignor to Monsanto Chemical Company, St. Louis, Mo. Making 5-formamido-6-amino uracils. 2,655,501, Oct. 13.
Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacture of 1-amino-4-hydroxyanthraquinone. 2,653,954, Sept. 29.
Weinrich, Arthur R.: *See*—
Colbert, William H., Weinrich, and Morgan.
Weinrich, Arthur R., North Wilkesboro, N. C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Producing an intermediate metallic oxide film in a multiple layer article. 2,628,921, Feb. 17.
Weinrich, William W., Wallingford, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Operation procedure for gas lifts. 2,649,340, Aug. 18.
Weinstein, Edith K., assignee: *See*—
Elliston, Mary W.
Weinstein, Harold: *See*—
Pritikin, Nathan, and Weinstein.
Weinstein, Herman E., Schenectady, N. Y. Davit. 2,650,378, Sept. 1.
Weinstock, Adolphe: *See*—
Kamens, Irving, and Weinstock.
Weinthal, Stanley E., Pittsburgh, and S. A. and L. J. Flowers, assignors to Walters Manufacturing Company, Oakmont, Pa. Cabinet door hinge. 2,661,085, Dec. 1.
Weintraub, Irving: *See*—
Stovall, John R., Jr., and Weintraub.
Weintraub, Louis M., Chicago, Ill. Cigarette holder. 2,655,157, Oct. 13.
Weir, Casper J., Jr.: *See*—
Weir, Leander M. and C. J.
Weir, Donald A.: *See*—
Hartley, George C., and Weir.
Wright, Esmond P. G., and Weir.
Weir, G. & J., Limited, assignee: *See*—
Hillier, Harold.
Weir, Horace M., Merion, Pa. Furnace construction. 2,625,140, Jan. 13.
Weir, Leander M., United States Navy, and C. J. Weir, Jr., San Luis Obispo, Calif. Telegraphic code converter. 2,640,876, June 2.
Weir, Robert H.: *See*—
Cavanaugh, Robert M., Flack, and Weir.
Weirich, David J., Williamstown, N. J. Child's convertible vehicle. 2,634,791, Apr. 14.
Weis, William B., Detroit, assignor to Redmond Company, Inc., Owosso, Mich. Electrical coil winding. 2,632,602, Mar. 24.
Weisbeck, Ralph L., Cheektowaga, assignor to Strippit Corporation, North Tonawanda, N. Y. template setup for punch presses. 2,649,157,
Weisberg, Sidney M., Newark, assignor to Allie Products, Inc., Irvington, N. J. Attachm 2,627,537, Feb. 3.
Weisberger, Arthur A., assignor to American St ries, Chicago, Ill. Welded brake beam. July 28.
Weisberger, Arthur A., and R. J. Helton, Hamn assignors to American Steel Foundries, Ch Broaching machine. 2,647,443, Aug. 4.
Weisblat, David I., B. J. Magerlein, and S. T assignors to The Upjohn Company, Kalama N-ketoalkyl-p-aminobenzoates. 2,625,562, Jan
Weisblat, David I., and A. R. Hanze, assigno Upjohn Company, Kalamazoo, Mich. Decolo synthetic folic acid. 2,626,947, Jan. 27.
Weisblat, David I., B. J. Magerlein, D. R. My Rolfson, and A. R. Hanze, assignors to The Up pany, Kalamazoo, Mich. N-oxyalkyl-p-amino 2,629,733, Feb. 24.
Weisblat, David I., A. R. Hanze, B. J. Magerl Myers, and S. T. Rolfson, assignors to The Up pany, Kalamazoo, Mich. N-oxyalkyl-p-am glutamates. 2,629,734, Feb. 24.
Weisblat, David I., and B. J. Magerlein, assign Upjohn Company, Kalamazoo, Mich. Folic ac tion. 2,631,149, Mar. 10.
Weisblat, David I., Galesburg, and B. J. Mag signors to The Upjohn Company, Kalama Hydroxy acetal compounds and their pr 2,631,163, Mar. 10.
Weisblat, David I., Galesburg, and B. J. Mag signors to The Upjohn Company, Kalama Keto acetal compounds and their preparation. Mar. 10.
Weisblat, David I., and B. J. Magerlein, assign Upjohn Company, Kalamazoo, Mich. N- aminobenzoate compounds. 2,636,897, Apr.
Weisblat, David I., and D. A. Lyttle, assign Upjohn Company, Kalamazoo, Mich. Produc tromalonic esters. 2,644,838, July 7.
Weisblat, David I., and B. J. Magerlein, assign Upjohn Company, Kalamazoo, Mich. N-(2 minoalkyl)-p-amino-benzoate compounds. Aug. 4.
Weisblat, David I., and E. I. Fairburn, assign Upjohn Company, Kalamazoo, Mich. Folic mediate preparation. 2,650,241, Aug. 25.
Weisblat, David I., and B. J. Magerlein, assign Upjohn Company, Kalamazoo, Mich. 6-phen pteridines. 2,656,356, Oct. 20.
Weise, Frederick H.: *See*—
Hohl, George I., Weise, Rist, and J. M. Ris
Weisel, Charles A.: *See*—
Matuszak, Alfred H., and Weisel.
Weisel, Charles A., Somerville, N. J., assignor t Oil Development Company. Compounded oil. 2,641,578, June 9.
Weisemann, Gert H., Hobart, Ind., assignor to Oil Company, Chicago, Ill. Sweetening h distillates. 2,646,389, July 21.
Weisenbach, Charles O., assignor to Bendix Av poration, South Bend, Ind. Flow distributor. Nov. 3.
Weisenbach, Charles O., and J. J. O'Bienis, a Bendix Aviation Corporation, South Bend, bine pump or motor. 2,662,479, Dec. 15.
Weiser, Jack, Los Angeles, Calif. Arithmet for writing instruments. 2,646,220, July 21.
Weiser, Morris, Brooklyn, N. Y. Apparatus f ing garments. 2,654,512, Oct. 6.
Weisglass, David M.: *See*—
Katz, Bernard, and Weisglass.
Weisinger, Joseph G., Newark, N. J. 2,650,757, Sept. 1.
Weiskopf, Edwin C., assignor to Scopicon, Inc., N. Y. Removably attachable lamp mounting. Jan. 27.
Weisler, Leonard, assignor, by mesne assig Eastman Kodak Company, Rochester, N. Y. alkyl-substituted tocopherols. 2,640,058, M
Weiss, Abraham, deceased, and J. Weiss, New Y said J. Weiss, administrator of said A. Wei to J. Weiss individually. Means for cont brakes of motor vehicles. 2,630,195, Mar. 3.
Weiss, Abraham, deceased, and J. Weiss, New Y said J. Weiss, administrator of said A. Wei to J. Weiss individually. Means for cont brakes of motor vehicles. 2,630,196, Mar. 3.
Weiss, Alexander C. H., Silver Spring, Md. for treating pulp and resin mixtures. 2,63 12.
Weiss, Arthur J.: *See*—
Rossi, Harry J., and Weiss.
Weiss, Arthur J., West Englewood, N. J., assig ert Gair Company, Inc., New York, N. Y. for setting up folding cartons and the like. Jan. 13.
Weiss, Arthur J., West Englewood, N. J., assig ert Gair Company, Inc., New York, N. Y. tons and carton blanks. 2,643,589, June 30.

Weiss, Benjamin, Flushing, N. Y. Garment hanger with magnetic action and the like. 2,657,844, Nov. 3.
Weiss, Ernest: *See*—
Heberlein, Georges and Georg, Weiss, Risch, and Odinga.
Weiss, Gerhart, Sunnyside, N. Y. Jumping puppet. 2,627,700, Feb. 10.
Weiss, Henry C., Jr., Sturtevant, Wis. Illuminated vanity case. 2,625,942, Jan. 20.
Weiss, Herbert G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Voltage control system. 2,629,840, Feb. 24.
Weiss, Herbert G., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Automatic frequency control in pulse transmission systems. 2,647,994, Aug. 4.
Weiss, Howard G.: *See*—
Aagaard, Fridtjof, and Weiss.
Weiss, Jack R., Pontiac, Mich. Clamp. 2,629,915, Mar. 3.
Weiss, John M., assignor to John M. Weiss and Co., New York, N. Y. Separation and recovery of components of a solution. 2,646,171, July 21.
Weiss, John M., and Co., assignee: *See*—
Weiss, John M.
Weiss, Joseph: *See*—
Weiss, Abraham and J.
Weiss, Maximilian E., Philadelphia, Pa. Carton holder. 2,648,515, Aug. 11.
Weissberger, Arnold: *See*—
Graham, Bruce, Vittum, and Weissberger.
McCrossen, Fred C., Parmerter, and Weissberger.
Weissberger, Arnold, assignor to Eastman Kodak Company, Rochester, N. Y. (Alkysulfonamido) arylhydrazines. 2,663,732, Dec. 22.
Weissberger, Arnold, and J. R. Thirtle, assignors to Eastman Kodak Company, Rochester, N. Y. 4-amino-N,N-dialkyl-3-dialkylaminoanilines as developers for photographic silver halide emulsions. 2,652,331, Sept. 15.
Weissberger, Arnold, J. R. Thirtle, and R. L. Bent, assignors to Eastman Kodak Company, Rochester, N. Y. N - alkyl - N - (β-methylsulfonamidoethyl) - P - aminophenols. 2,652,428, Sept. 15.
Weissenborn, Oscar E.: *See*—
Van Dusen, Charles H., Jr., and Weissenborn.
Weisser, Karl: *See*—
Kahn, David, and Weisser.
Weisser, Karl, Cresskill, and D. Kahn, Englewood, assignors to David Kahn, Inc., North Bergen, N. J. Fountain pen. 2,624,315, Jan. 6.
Weissman, Emil A.: *See*—
Elliot, Rand, and Weissman.
Weissman, Lorant L., Akron, Ohio. Window assembly and sash holder. 2,631,336, Mar. 17.
Weissman, Richard, Chicago, Ill. Counter and memory circuit. 2,636,985, Apr. 28.
Welsz, Paul B., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Oil decolorization method. 2,647,858, Aug. 4.
Weltzel, William F., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling pallet. 2,634,931, Apr. 14.
Weltzenkorn, Lee F., Dundalk, Md., assignor, by mesne assignments, to Armco Steel Corporation. Charging electric furnace. 2,634,009, Apr. 7.
Weltzner, Geza, New York, N. Y. Self-contained envelope opener and contents ejector. 2,644,634, July 7.
Wekerle, Adam, St. Louis, Mo. Tooth powder dispenser. 2,626,084, Jan. 20.
Wekerle, Adam, St. Louis, Mo. Tooth paste dispenser. 2,637,468, May 5.
Welborn, George, Los Angeles, Calif. Stereoscopic viewer. 2,627,781, Feb. 10.
Welch Allyn, Inc., assignee: *See*—
Allyn, William G., and Cook.
Allyn, William G., Scott, and Greppin.
Allyn, William N., Cook, Browne, Scott, and Carroll.
Cook, Charles S., and Becker.
Hart, James B.
Martin, Hayes.
Welch, Claude A., assignor to Welch Electric Company, Incorporated, Cincinnati, Ohio. Remote-control system for direct current welding. 2,658,132, Nov. 3.
Welch, Clifford E., assignee: *See*—
Ferrick, Jay.
Welch, Clinton M., Sault Sainte Marie, Mich. Rotary pump and motor hydraulic transmission. 2,658,344, Nov. 10.
Welch, Edward S., Jr., Framingham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for progressively bonding sheet material. 2,640,908, June 2.
Welch Electric Company, Incorporated, assignee: *See*—
Welch, Claude A.
Welch, Gerald C., Rochester, N. Y. Surface test indicator. 2,647,324, Aug. 4.
Welch Grape Juice Company, Inc., The, assignee: *See*—
Dascomb, Clair E.
Welch, Harry J.: *See*—
Shepherd, Dean, and Welch.
Welch, Jerome B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Safety control for welders. 2,650,977, Sept. 1.
Welch, Lester M., Madison, N. J., assignor to Standard Oil Development Company. Alkylating polystyrene. 2,651,628, Sept. 8.
Welch, Lester M., Madison, and G. E. Serniuk, Roselle, N. J., assignors to Standard Oil Development Company. Preparation of lubricating oil additives. 2,655,549, Oct. 13.
Welch, Nicholas A., West Hartford, assignor to The American Hardware Corporation, New Britain, Conn. Door lock. 2,630,697, Mar. 10.
Welch, Nicholas A., West Hartford, assignor to The American Hardware Corporation, New Britain, Conn. Latch mechanism. 2,650,122, Aug. 25.
Welch, Nicholas A., West Hartford, assignor to The American Hardware Corporation, New Britain, Conn. Latch spindle lock. 2,651,193, Sept. 8.
Welch, Nicholas A., West Hartford, and W. J. Zelgenhein, assignors to The American Hardware Corporation, New Britain, Conn. Lock. 2,661,977, Dec. 8.
Welch, Stanley B., Milford, Conn., and E. G. Olthuis, Trenton, N. J., assignors to General Electric Company. Automatic washing machine electrical control system. 2,654,239, Oct. 6.
Welch, W. M., Manufacturing Company, assignee: *See*—
Johnson, Carl A.
Welcher, Alice D.: *See*—
Young, Richard W., Blodinger, and Welcher.
Weld, Foster E., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Switch. 2,630,499, Mar. 3.
Welden, David P., Iowa Falls, Iowa. Articulated boom. 2,639,826, May 26.
Welden, George R., Baltimore, Md. Folding baby carriage. 2,634,137, Apr. 7.
Welden, William A., Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Relief valve and pressure indicating means for pressure cookers. 2,649,775, Aug. 25.
Welding Research, Inc., assignee: *See*—
Berger, Jacques.
Sciaky, David.
Solomon, Julius L.
Weldon, John J., and B. L. Levitt, Chicago, Ill. Laundry hamper. 2,625,973, Jan. 20.
Weldon, Harry, Plant City, Fla. Flatiron pressing stocking. 2,659,167, Nov. 17.
Weldon, Harry A., Edgewood, Md., assignor to the United States of America as represented by the Secretary of War. Gas protective fabric and preparing the same. 2,659,681, Nov. 17.
Weldon Tool Company, The, assignee: *See*—.
Gase, Carl G.
Ribich, Thomas A.
Welin Maclachlan Davits Limited, assignee: *See*—
Taylor, Humphrey G.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Ledger tray. 2,624,343, Jan. 6.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Ledger tray cabinet. 2,627,446, Feb. 3.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Gang punch. 2,637,397, May 5.
Welker, Heinrich: *See*—
Sueur, René, Welker, Mataré, and Bethge.
Welker, Heinrich, Vaucresson, assignor to Societe Anonyme dite: Compagnie des Freins & Signaux Westinghouse, Paris, France. Multielectrode semiconductor crystal element. 2,655,624, Oct. 13.
Welker, John W.: *See*—
Sheen, Robert T., Saalfrank, and Welker.
Welker, Paul L., New York, N. Y., R. J. Boddington, Cranford, N. J., and S. J. Woodruff, New York, N. Y., assignors to The Glidden Company, Cleveland, Ohio. Coconut product. 2,631,104, Mar. 10.
Well Surveys, Incorporated, assignee: *See*—
Fearon, Robert E.
Youmans, Arthur H., and Monaghan.
Weller, Barton L.: *See*—
Lockery, Harry E., and Weller.
Weller, Carl E., assignor to Weller Manufacturing Company, Easton, Pa. Electrical heating apparatus. Re. 23,619, Feb. 10.
Weller, Dale W.: *See*—
Kiebler, Le Roy A., Aldrich, and Weller.
Weller, Edward F., Jr., Detroit, Mich., and R. G. Doyen, Milwaukee, Wis., assignors to General Motors Corporation, Detroit, Mich. Constant amplitude sweep generator. 2,645,715, July 14.
Weller, Leo G., Catasauqua, Pa., assignor to Fuller Company. Self-unloading bin. 2,657,100, Oct. 27.
Weller Manufacturing Company, assignee: *See*—
Weller, Carl E.
Weller, Royal: *See*—
Park, Robert H., Weller, Russell, and Booth.
Welles, Claude A., Jr.: *See*—
Pfeil, Henry J., and Welles.
Wellford, Walker L., Jr., Memphis, Tenn. Closed system dry cleaning apparatus utilizing volatile solvent. 2,639,599, May 26.

Welliver, Lawrence G., and C. E. Johnson, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic developer containing a pyridinium salt and process of development. 2,648,604, Aug. 11.
Wellman, Albert, Schenectady, N. Y., assignor to General Electric Company. Condition responsive device. 2,643,154, June 23.
Wellman Engineering Company, The, assignee: *See*—
Kincaid, John H.
Wellman, Fred, Indianapolis, Ind. Stop nut. 2,653,641, Sept. 29.
Wellman, Richard H., Yonkers, N. Y., and R. W. McNamee, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Insecticides. 2,639,259, May 19.
Wellman, S. K., Company, The, assignee: *See*—
De Marinis, Frank.
Wellman, Samuel K., and Lowey.
Wellman, Samuel K., Cleveland Heights, and F. J. Lowey, Olmstead Falls, assignors to The S. K. Wellman Company, Cleveland, Ohio. Clutch plate. 2,646,151, July 21.
Wellman, Walter C., assignor to White Products Company, Middleville, Mich. Anodic rod holder. 2,642,391, June 16.
Wells, Bruce A., Schenectady, N. Y., assignor to General Electric Company. Aircraft power plant control apparatus. 2,663,992, Dec. 29.
Wells, Charles L., Torrance, Calif. Window construction. 2,663,532, Dec. 22.
Wells, Chester E.: *See*—
Coles, William T., and Wells.
Wells, David F.: *See*—
Roberts, Elliott J., Foley, and Wells.
Wells, Edmund E., and E. R. West, Tulsa, Okla. Machine for compacting materials. 2,651,980, Sept. 15.
Wells, Frank W., Pasadena, Calif., and J. T. Kulhavy, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis. Power lift. 2,659,308, Nov. 17.
Wells, Franklin B., assignor of one-half to Ellis-Foster Company, Montclair, N. J. Tangential and rotational motion indicating device. 2,640,278, June 2.
Wells, Harold W., Youngstown, Ohio. Air-operated apparatus for removing dust accumulations from regenerative checkerwork. 2,641,791, June 16.
Wells, Herbert J. C., Jackson Heights, N. Y. Steam trap and air vent valve therefor. 2,634,744, Apr. 14.
Wells, Ira E., Chicago, Ill. Folding clothes pole. 2,639,818, May 26.
Wells, Ira M., assignor to Spears Wells Machinery Company, Incorporated, Oakland, Calif. Coupling device for vehicles. 2,650,833, Sept. 1.
Wells, Joseph H.: *See*—
Haddad, George J., and Wells.
Wells, Lawrence V.: *See*—
Moehring, William D., and Wells.
Wells, Leland E., Cleveland Heights, and R. M. Raney, Euclid, assignors to Willard Storage Battery Company, Cleveland, Ohio. Hinged multicell cover. 2,629,760, Feb. 24.
Wells, Lawrence V., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Negative feedback frequency response compensation amplifier system. 2,638,958, Nov. 10.
Wells, Lloyd A., Long Beach, assignor to Brown Citrus Machinery Corporation, Whittier, Calif. Fruit cutting and juice extracting machine. 2,631,625, Mar. 17.
Wells, Lloyd A., Long Beach, assignor to Brown Citrus Machinery Corporation, Whittier, Calif. Rotary fruit feeder. 2,644,568, July 7.
Wells, Louis E., Jr.: *See*—
Darby, Joseph R., and Wells.
Wells, Olga V., Alhambra, R. O. Borst, Pasadena, and C. C. Stapp, Los Angeles, Calif. Vending machine. 2,643,169, June 23.
Wells, Philip H.: *See*—
Bramhall, Fay B., Newell, Wells, and Cramer.
Wells, Philip H., Chatham, N. J., A. A. Steinmetz, Yonkers, N. Y., and W. D. Cannon, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Regulated power supply. 2,663,759, Dec. 22.
Wells, Richard T., assignee: *See*—
Lucas, Joseph E.
Wells, Roger, Plattsburg, assignor to The Diamond Match Company, New York, N. Y. Plate counter and stacker. 2,625,329, Jan. 13.
Wells, Sidney D., Combined Locks, assignor to The Institute of Paper Chemistry, Appleton, Wis. Production of fiber from flax straw. 2,641,541, June 9.
Wells, Sylvanus A., Daytona Beach, Fla. Nursing bottle holder. 2,639,111, May 19.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Uniform muzzle velocity pneumatic gun. 2,635,599, Apr. 21.
Wells, William S., Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air gun. 2,638,884, May 19.
Wells, Willis L., Clayton, Mo. Towel dispensing and laundering apparatus. 2,655,022, Oct. 13.
Wells, Winston, assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Apparatus and method for probing a radiated wave field. 2,633,525, Mar. 31.
Wells, Winston, assignor to Canadian Radium & Uranium Corporation, New York, N. Y. Radioactive detector means in automatic steering systems. 2,662,208, Dec. 8.
Wellstein, Wilhelm, assignor to Ex-Cell-O Corporation, Detroit, Mich. Multiple coin controlled mechanism. 2,638,198, May 12.
Wellwood, Robert C., Pittsburgh, Pa. Car brake slack adjuster. 2,651,389, Sept. 8.
Wellworth, Roger J., assignor of forty per cent to H. N. Vilar, ten per cent to R. N. Janusz, and ten per cent to W. J. Wellworth, Milwaukee, Wis. Snap switch. 2,648,730, Aug. 11.
Wellworth, William J., assignee: *See*—
Wellworth, Roger J.
Welp, Margaret L.: *See*—
Hill, Eugene F., and Welp.
Welsbach Corporation, The, assignee: *See*—
McChesney, Howard H.
Welsh, Charles E., and N. G. Holdstock, Schenectady, N. Y., assignors to General Electric Company. Preparing polysiloxane resins. 2,661,348, Dec. 1.
Welsh, Harvey W., Wyckoff, N. J., assignor to Curtiss-Wright Corporation. Vibration damper. 2,635,483, Apr. 21.
Welsh, Herbert F.: *See*—
Eckert, John P., Jr., Sims, and Welsh.
Eckert, John P., Jr., and Welsh.
Welsh, Jay Y.: *See*—
Reinhardt, Otto K., and Welsh.
Welsh Manufacturing Company, assignee: *See*—
Lindblom, Frank W.
Miner, Frederic I.
Miner, Frederic I., and Lindblom.
Welsh, Matilda D., La Due, Mo. Retainer for children's seats. 2,646,838, July 28.
Welsh, Matilda D., Ladue, Mo. Adjustable foot well for strollers. 2,663,589, Dec. 22.
Welsh, Robert J., Rugby, England. Separator for impurities present in the combustion products of gas turbine plants. 2,659,448, Nov. 17.
Welsh, William B.: *See*—
Litchfield, Anthony F., and Welsh.
Welsh, William H., Detroit, Mich. Paint bucket and brush supporting bracket. 2,634,937, Apr. 14.
Welsh, William H., New York, N. Y. Impeller. 2,623,884, Jan. 20.
Welshenbach, Charles D.: *See*—
Aquino, Salvatore A., and Welshenbach.
Welshenbach, Charles D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Golf club shipping and display receptacle. 2,629,499, Feb. 24.
Welshons, Carlos M., San Francisco, Calif. Locking device for cold storage vault doors. 2,630,004, Mar. 3.
Welstein, Michel, Tirlemont, Belgium. Container making machine. 2,633,064, Mar. 31.
Welte, Benedict, Lake Orion, assignor to Colonial Broach Company, Warren Township, Mich. Broaching machine. 2,631,501, Mar. 17.
Welte, Benedict, Lake Orion, assignor to Colonial Broach Company, Warren Township, Macomb County, Mich. Broach sharpening machine. 2,649,662, Aug. 25.
Welter, Otto, Orselina, Switzerland. Thermal circuit breaker. 2,635,156, Apr. 14.
Weltman, William C., and C. G. Kepple, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermosetting synthetic resin laminate with a predetermined roughened surface and producing the same. 2,663,663, Dec. 22.
Weltronic Company, assignee: *See*—
Elliott, Lauren F.
Welty, Albert B., Jr., Deer Path, Mountainside, N. J., assignor to Standard Oil Development Company. Separation of contaminated catalyst particles in a hydrocarbon conversion process. 2,658,860, Nov. 10.
Welty, Charles H., Kansas City, Mo., and G. L. Hammon, Oakland, Calif., assignors to Puritan Compressed Gas Corporation, Kansas City, Mo. Fluid pressure regulator structure. 2,660,187, Nov. 24.
Welty, Charles V., assignee: *See*—
Phillippi, Matthew H.
Welty, Frank and R., Youngstown, assignors to Carbonic Dispenser, Inc., Canfield, Ohio. Faucet for dispensing carbonated beverages. 2,652,856, Sept. 22.
Welty, Frank and R., Youngstown, assignors to Carbonic Dispenser, Inc., Canfield, Ohio. Dispensing and mixing valve. 2,653,055, Sept. 22.
Welty, Raymond: *See*—
Welty, Frank and R.
Weltz, Henry F., Shawano, Wis. Sash rack. 2,655,260, Oct. 13.
Wemp, Eleanor M., assignee: *See*—
Wemp, Ernest E.
Wemp, Ernest E., deceased, Detroit, Mich., assignor of five per cent to E. M. Wemp, Los Angeles, Calif., five per cent to C. J. Smith, five per cent to L. K. Smith, and twenty per cent to L. A. Wemp, Detroit, Mich.; W. O. Kronne and L. A. Wemp, executors of said E. E. Wemp. Rotary hydrokinetic torque converter. 2,630,682, Mar. 10.
Wemp, Ernest E., deceased, Detroit, Mich., assignor of five per cent to E. M. Wemp, Los Angeles, Calif., five per cent to C. J. Smith, five per cent to L. K. Smith, and twenty per cent to L. A. Wemp, Detroit, Mich.; W. O. Kronne and L. A. Wemp, executors of said E. E. Wemp. Rotary hydrokinetic coupler. 2,630,683, Mar. 10.

Wemp, Ernest E., deceased, Detroit, Mich.; W. O. Kronner and L. A. Wemp, executors. Clutch and clutch control mechanism. 2,635,722, Apr. 21.

Wemp, Lila A., executrix: *See*—
Wemp, Ernest E.

Wendeborn, Helmut, Seulberg, near Frankfurt am Main, assignor to Metallgesellschaft Aktiengesellschaft, Frankfurt am Main, Germany. Treatment of solid substances at higher temperatures under action of gases. 2,657,030, Oct. 27.

Wendel, Lorenz A., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Enclosed clutch-brake motor. 2,650,995, Sept. 1.

Wendell, Douglas C., Jr.: *See*—
Bonn, Theodore H., and Wendell.

Wendler, Norman L.: *See*—
Graber, Robert P., and Wendler.

Wendler, Norman L., Summit, R. P. Graber, Elizabeth, and A. C. Haven, Jr., Linden, assignors to Merck & Co., Inc., Rahway, N. J. $\Delta^{9(11)}$-pregnenes and process. 2,640,838, June 2.

Wendler, Norman L., Summit, and R. P. Graber, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. $\Delta^{9(11)}$-pregnenes and process. 2,640,839, June 2.

Wendt, Baldwin W., Milwaukee, Wis. Door protector and check. 2,657,419, Nov. 3.

Wendt, Delbert O., Bonner Springs, Kans. Apparatus for treating animals. 2,661,865, Dec. 8.

Wendt, Gustav C., and P. C. Wendt, Jr., Boonton, N. J., assignors to Pohatcong Hosiery Mills, Inc. Hosiery marking machine. 2,641,178, June 9.

Wendt, Harry C., Lynnfield, Mass., assignor to General Electric Company. Caging device for gyroscopes. 2,654,254, Oct. 6.

Wendt, Harry C., Nahant, Mass., assignor to General Electric Company. Harmonic error compensator. 2,651,010, Sept. 1.

Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Keyed automatic gain control. 2,637,772, May 5.

Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Keyed automatic gain control with keying pulse limiter. 2,654,799, Oct. 6.

Wendt, Peter C., Jr.: *See*—
Wendt, Gustav C. and P. C. Wendt, Jr.

Wendt, Robert H., assignee: *See*—
Berg, Elaine.
Hester, Harry W.
Pfeifer, Raymond B., and Heyden.

Wendt, Robert H., Evanston, Ill. Device for protecting and reinforcing the projecting ends of paper wrapped crayons. 2,655,131, Oct. 13.

Wendzel, Frank, Haddonfield, N. J., assignor to Radio Corporation of America. Precision deflecting yoke. 2,645,735, July 14.

Wener, David L., Santa Ana, Calif. Rupturable crown cap. 2,652,165, Sept. 15.

Wengel, Arthur M., Blooming Grove, assignor to Ray-O-Vac Company, Madison, Wis. Power supply unit for high-speed flash. 2,659,854, Nov. 17.

Wengel, Raymond W., assignor to Eastman Kodak Company, Rochester, N. Y. Film drive compensatory mechanism. 2,641,961, June 16.

Wengen, Henry R.: *See*—
Becker, Stephen P., Schoonmaker, and Wengen.

Wengen, Henry R., A. C. Miller, and R. B. Schoonmaker, assignors to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Messenger wire clamp. 2,631,346, Mar. 17.

Wengen, Henry R., and R. B. Schoonmaker, assignors to Fargo Mfg. Company, Inc., Poughkeepsie, N. Y. Cable clamp. 2,648,111, Aug. 11.

Wenger, Harvey R., Sabetha, Kans. Fishing lure. 2,659,176, Nov. 17.

Wenger, Joseph W., and L. Wenger, Sabetha, Kans. Pellet mill. 2,633,091, Mar. 31.

Wenger, Lee, Morrill, Kans. Lister. 2,629,351, Feb. 24.

Wenger, Louis: *See*—
Wenger, Joseph W., and L.

Wenkstern, Russell L., Mound, assignor to Moulded Products, Inc., Spring Park, Minn. Nursery chair. 2,662,229, Dec. 15.

Wennberg, Curt E. S., assignee: *See*—
Wennberg, Olov C. G. and C. E. S.

Wennberg, Odd: *See*—
Zinn, Julius A., Jr., Wennberg, and Swendsen.

Wennberg, Olov C. G., Karlstad, assignor to Svenska Flygmotor Aktiebolaget, Trollhattan, Sweden. Control device for hydraulic pressures. 2,636,433, Apr. 28.

Wennberg, Olov C. G. and C. E. S., Karlstad, Sweden. Handle control for electrically driven lift trucks. 2,645,297, July 14.

Wenner, Edward F., Columbus, assignor to H. R. Stallbohm, Lima, Ohio. Ampoule cutter. 2,655,767, Oct. 20.

Wenner, Wilhelm, Upper Montclair, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Amino derivatives of dibenzofuran. 2,648,684, Aug. 11.

Wennerstrom, Carl G.: *See*—
Crichton, Andrew B., Jr., and Wennerstrom.

Wenning, Elmer C.: *See*—
Corbitt, Willard M., and Wenning.

Wenning, Heinrich, Marl in Westphalia, assignor to Chemische Werke Huls Gesellschaft mit beschränkter Haftung, Kreis Recklinghausen, Germany. Production of polyacrylic nitrile. 2,642,418, June 16.

Wenny, Daniel H., Jr.: *See*—
Boothby, Otis L., and Wenny.

Went, Jan J.: *See*—
Snoek, Jacob L., Went, and Haayman.

Wentworth, Chandler, and H. L. Donley, Princeton, N. J. assignors to Radio Corporation of America. Automatic frequency control. 2,640,918, June 2.

Wentworth, John W., Haddonfield, N. J., assignor to Radio Corporation of America. Color television camera. 2,641,843, June 9.

Wentz, Edward A., Jersey City, assignor to Specialties Development Corporation, Belleville, N. J. Apparatus for treating yarn. 2,628,405, Feb. 17.

Wentz, Edward A., Jersey City, assignor to Specialties Development Corporation, Belleville, N. J. Apparatus for drying yarn and the like. 2,641,062, June 9.

Wenzel, Wilhelm: *See*—
Dorschner, Oskar, Wenzel, and Kayser.

Wenzelberger, Elwood P., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Dehydration of pineapple juice. 2,647,059, July 28.

Wenzelberger, Elwood P., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Freezing apparatus. 2,657,549, Nov. 3.

Wenzelberger, Elwood P., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Dehydration by freezing. 2,657,555, Nov. 3.

Werber, Frank X.: *See*—
Jansen, Jacob E., and Werber.

Werberger, Rudolph, assignee: *See*—
Davidson, Vernon F.

Werenfels, Peter H., Lawrenceville, and J. E. Eckert, Princeton, N. J., assignors to Radio Corporation of America. Apparatus for reproducing images in color. 2,646,528, July 21.

Werenfels, Peter H., Lawrenceville, and J. E. Eckert, Princeton, N. J., assignors to Radio Corporation of America. Apparatus for roproducing images in color. 2,646,529, July 21.

Werensky, Matthew: *See*—
Geddes, Walter H., Karlson, and Werensky.

Wergeland, Josephine N., Chevy Chase, Md. Preparing peanuts and the product resulting therefrom. 2,653,875, Sept. 29.

Werkema, Thomas E., assignor to The Dow Chemical Company, Midland, Mich. Making high polymers of alpha-methyl styrene. 2,658,058, Nov. 3.

Werker, William A., Palisades Park, N. J., and J. Steenfeld, New York, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Valve. 2,659,570, Nov. 17.

Werklund, Harald, Simrishamn, assignor to A B Svenska Skolästfabriken, Jarrestad, Sweden. Device for making shoe lasts by profile milling. 2,648,357, Aug. 11.

Werkman, Robert T.: *See*—
Crouch, Willie W., and Werkman.
Crouch, Willie W., Werkman, and Fanning.

Werkspoor N. V., assignee: *See*—
Vähl, László.
von Wolzogen Kühr, Paul F. A.

Werman, Jacques, Antwerp, Belgium. Hygienic packing for dressings and the like. 2,649,119, Aug. 18.

Werne, Carl S. L., Gothenburg, Sweden. Screw-operated vise having wedge clutch. 2,641,947, June 16.

Werner, Arnold J.: *See*—
Wagner, Adolph A., and Werner.
Wagner, Adolph A., Werner, and Ross.
Wagner, Adolph A., Werner, and Tumpak.

Werner, Alfred H., Youngstown, Ohio, assignor to United States Steel Corporation. Reciprocating feeder for sheet material. 2,635,875, Apr. 21.

Werner, Edwin G., Park Ridge, N. J. Coaxial cable connector. 2,640,118, May 26.

Werner, Frank R., assignor to The National Cash Register Company, Dayton, Ohio. Cash drawer mechanism. 2,649,246, Aug. 18.

Werner, Frank R., assignor to The National Cash Register Company, Dayton, Ohio. Adjustable printing hammer. 2,656,788, Oct. 27.

Werner, Frank R., assignor to The National Cash Register Company, Dayton, Ohio. Web feeding mechanism for cash registers and the like. 2,661,061, Dec. 1.

Werner, Glenn C., Warren, Pa. Thrust coupling. 2,639,595, May 26.

Werner, Harold W., Sharonville, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Alpha, alpha diaryl piperidino methanols. 2,624,739, Jan. 6.

Werner, Jesse, Brooklyn, assignor to General Aniline & Film Corporation, New York, N. Y. Reducing nitro compounds. 2,631,167, Mar. 10.

Werner, John E., Columbiana, Ohio. Self-irrigating plant receptacle. 2,651,884, Sept. 15.

Werner, Leo C.: *See*—
McCurdy, William H., Findlay, and Werner.

Werner, Leo C., Cedar Grove, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grid construction. 2,648,797, Aug. 11.

Werner, Raymond E.: *See*—
Opp, Carl J., and Werner.

Werner, Walter A., Fort Wayne, Ind. Portable flashlight with storage battery and rectifier. 2,628,339, Feb. 10.

Werner, Willy W., Detroit, Mich. Door closer. 2,639,459, May 26.

Wernert, Karl, Mulheim an der Ruhr, Germany. Bearing seal for underwater use. 2,647,772, Aug. 4.

Wernheim, Sven O., Lidingo, Sweden. Combustion apparatus. 2,633,120, Mar. 31.

Wernig, James H.: *See*—
Bratton, David H., and Wernig.

Wernig, James H., Bloomfield Village, assignor to General Motors Corporation, Detroit, Mich. Hinged finish molding for vehicle closures. 2,631,887, Mar. 17.

Werntz, James H., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluoroaromatic isocyanates. 2,625,561, Jan. 13.

Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monoquaternary ammonium carbonates and their preparation. 2,635,100, Apr. 14.

Wersching, Jacob A., Chicago, Ill. Universal combination collapsible flatiron rest and cord control. 2,647,713, Aug. 4.

Wertepny, Alexander and R. J., assignors of 60 per cent to S. A. and E. M. Wertepny and B. Luscalzo, Chicago, Ill. Cutting teeth in pinking shears. 2,648,584, June 30.

Wertepny, Edward M., assignee: *See*—
Wertepny, Alexander and R. J.

Wertepny, Rudolph J.: *See*—
Wertepny, Alexander and R. J.

Wertepny, Stanley A., assignee: *See*—
Wertepny, Alexander and R. J.

Werts, Richard A., Long Beach, Calif. Automatic liquid sampler. 2,641,934, June 16.

Wertz, Louis S., Cleveland Heights, Ohio. Composition for and method of solidifying porous masses and structures. 2,655,004, Oct. 13.

Wesbar Stamping Corporation, assignee: *See*—
Nielsen, Chester I.

Wescott, George A., Jr.: *See*—
Geiger, Willard L., and Wescott.

Wesel Manufacturing Company, assignee: *See*—
Green, Daniel C.

Wesenberg, Emil F.: *See*—
Drieschman, Donald F., and Wesenberg.

Weslake, Henry, St. Leonards-on-Sea, England. Supply system for combustible mixture for internal-combustion engines. 2,652,039, Sept. 15.

Wesley, Arthur, Palos Park, assignor to Burton-Dixie Corporation, Chicago, Ill. Combined innerspring and rubber mattress. 2,626,408, Jan. 27.

Wesp, George L.: *See*—
Basdekis, Costas H., and Wesp.
Slocombe, Robert J., and Wesp.

Wesp, George L., and G. E. Ham, Dayton, Ohio, assignors, by mesne assignments, to The Chemstrand Corporation. Dyeing acrylonitrile fibers with acid dyes using zinc chloride. 2,636,802, Apr. 28.

Wesp, George L., Englewood, and R. J. Slocombe, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Stabilized acrylonitrile polymers. 2,661,346, Dec. 1.

Wesp, George L., Englewood, and R. J. Slocombe, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Stabilized acrylonitrile polymers. 2,661,347, Dec. 1.

Wessel, Melvin H., assignor to Cavalier Corporation, Chattanooga, Tenn. Electric air heater. 2,662,963, Dec. 15.

Wessic, Sylvester B., Speedway City, Ind. Hand truck step climbing mechanism. 2,653,672, Sept. 29.

Wesson Company, assignee: *See*—
Bader, William.

West, Albert R.: *See*—
Mueller, William A., and A. R. and R. B. West.

West, Carl J., Jr.: *See*—
Clark, Francis R., and West.

West, Charles D., Orlando, Fla. Fastener. 2,625,722, Jan. 20.

West, Charles D., Orlando, Fla. Universal fender welt. 2,626,164, Jan. 20.

West, Charles D., Orlando, Fla. Trim molding fastening means and method. 2,659,950, Nov. 24.

West, Charles E., Buffalo, N. Y. Auxiliary sight for twilight firing of small arms. 2,628,426, Feb. 17.

West, Charles F., Stoughton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,660,669, Nov. 24.

West, Charles K.: *See*—
Mullins, William D., Jr., West, Slater, and Perkins.

West Company, Inc., The, assignee: *See*—
Müller-Strobel, Josef.

West Disinfecting Company, assignee: *See*—
Gilmore, Burdette B.

West, Edward E., assignor to Chase Bag Company, Richmond, Va. Bag filling, closing, and tying machine. 2,639,069, May 19.

West, Edward E., Richmond, Va. Tubular bag machine. 2,659,328, Nov. 17.

West, Edward E., Richmond, Va., assignor to The Chase Bag Company, New York, N. Y. Bag filling machine with rotatable bag carrier having expandable and contractable bag engaging fingers. 2,661,132, Dec. 1.

West, Edward E., Richmond, Va. Knot tying m
2,661,230, Dec. 1.

West, Edward S., and J. T. Van Bruggen, Portla
assignors to Feed Products Company, Petalu
Producing thyroprotein. 2,642,426, June 16.

West, Ernest: *See*—
West, Frederick J. and E.

West, Ernest C.: *See*—
Whitehead, Robert C., Jr., and West.

West, Everette R.: *See*—
Wells, Edmund E., and West.

West, Fredrick J. and E., assignors to Wests' Gas
ments Company Limited, Manchester, Englan
matically controlled ash removing grate.
June 9.

West, Harold W.: *See*—
Parks, Winifred E., and West.

West, Howard F., and J. H. Veale, assignor
Clay Products Company, Joliet, Ill. Refracto
manufacture. 2,660,533, Nov. 24.

West, Howard F., Joliet, and J. H. Veale, C
assignors to Illinois Clay Products Company,
Blast furnace operation. 2,660,534, Nov. 24.

West, Howard F., and J. H. Veale, assignors
Clay Products Company, Joliet, Ill. Bonde
and their manufacture. 2,660,535, Nov. 24.

West, Howard F., Joliet, and J. H. Veale, C
assignors to Illinois Clay Products Company,
Unfired refractories and their preparation.
Nov. 24.

West, Howard F., and J. H. Veale, assignor
Clay Products Company, Joliet, Ill. Bonde
tory and its manufacture. 2,660,537, Nov. 24.

West, James E., Jr.: *See*—
Lovell, Louis R., and West.

West, James M., Fayetteville, Tenn. Control m
for well pumps. 2,642,507, June 16.

West, John C.: *See*—
Williams, Frederic C., and West.

West, John S.: *See*—
Masaracchia, Joseph P., and West.

West, John W., Allentown, Pa., assignor to Bell
Laboratories, Incorporated, New York, N. Y.
magnetron. 2,657,334, Oct. 27.

West, Joseph, Finchley, London, and J. Brookst
den, England. Harmonica. 2,641,950, June

West, Joseph K.: *See*—
Wheeler, Ralph F., Preston, and West.

West, Lloyd L.: *See*—
Spiller, William R., and West.

West, Maxwell A., assignor to Challenger Scre
Corporation, Portland, Oreg. Screw driver
pivoted self-aligning bit. 2,631,623, Mar. 1

West Robert B.: *See*—
Mueller, William A., and A. R., and R. B. W

West, Theo J.: *See*—
Pye, David J., and West.

West, William H., Jr., Madison, assignor to
Products, Inc., Cleveland, Ohio. Grindin
tools. 2,635,399, Apr. 21.

West, Woodrow W., Rosemont, assignor to Per
Crusher Company, Philadelphia, Pa. Two s
mer mill. 2,644,644, July 7.

Westall, Arthur, Accrington, assignor to T. M
search) Limited, Rossendale, England. Mo
spindles. 2,650,465, Sept. 1.

Westall, Arthur, Accrington, assignor to T. M
search) Limited, Rossendale, England. Spinn
ing for textile spinning or like machines.
Nov. 3.

West Bend Aluminum Co., assignee: *See*—
Heidner, Richard C., and Palmer.
Kircher, Ralph N., Heidner, and Burkett.
Kircher, Ralph N., and Laabs.
Mueller, Frederick W.

Westberg, Harold A., assignor to The Wyatt
turing Co., Inc., Salina, Kans. Grain
means. 2,651,285, Sept. 8.

Westbury, Roy, Oldbury, Bridgnorth, assignor
Hobson Limited, London, England. Collaps
2,633,037, Mar. 31.

Westbury, Roy, Oldbury, Bridgnorth, P. E.
E. W. Packenham, Compton, assignors to Int
ited, Staffordshire, England. Hydrauli
2,643,613, June 30.

Westby, Henry A., Minneapolis, Minn., assignor
Mills, Inc. Pressure cooker valve. 2,656,85

Westby, Lloyd R., Berwyn, Ill. Bobby pin box.
Feb. 24.

Westcamp, Leslie L., Fair Oaks, Calif. Fold
2,639,762, May 26.

Westcamp, Leslie L., Fair Oaks, Calif. Table
combination. 2,644,732, July 7.

Westcott, Carl H.: *See*—
Lees, Roland J., Booker, and Westcott.

Westcott, Frank, Harpenden, England, assigno
eral Motors Corporation, Detroit, Mich.
device for receptacles. 2,663,447, Dec. 22.

Westcott, Laurence C.: *See*—
Kopf, Warren J., and Westcott.

Westcott, William B., Jr., Columbus, Ohio, a
Curtiss-Wright Corporation. Shock strut.
June 16.

West End Chemical Company, assignee: *See*—
Wiseman, James V.
Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Magnetic induction accelerator. 2,660,673, Nov. 24.
Wester, Henry P., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal forming fixture. 2,630,156, Mar. 3.
Wester, Karl G., assignor to A B Svenska Fläktfabriken, Stockholm, Sweden. Device for guiding weblike material. 2,639,483, May 26.
Wester, William C., Springfield, Mo. Four-in-hand tie knot holder. 2,635,248, Apr. 21.
Westerfield, Bedford, Detroit, Mich. Fishing device. 2,642,694, June 23.
Westergaard, Richard H., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Continuous extraction of oil from vegetable materials. 2,653,957, Sept. 29.
Westerhouse, Louis M., Birmingham, Ala. Can opener and household utility. 2,661,527, Dec. 8.
Western Condensing Company, assignee: *See*—
Francis, Leo H., and Rodgers.
Meade, Reginald E.
Peebles, David D., and Girvin.
Peebles, David D., and Turner.
Turner, Donald B.
Western Electric Company, Incorporated, assignee: *See*—
Adams, George P.
Ames, William L., and Hennessey.
Baker, Benjamin P., Frisch, Aspey, and MacNeill.
Balde, John W., Bregar, and Chapman.
Barber, Robert R.
Barothy, Charles F.
Barrett, Claudius S.
Beaulieu, Ezra J., Haagensen, and Scharer.
Bell, James S.
Bennert, Malcolm O., and Cradduck.
Bennett, Richard E.
Berggren, George E.
Bohapoy, Edward J., and Pojman.
Bohne, Frederick P.
Bouget, Yves A., and Magnuson.
Brown, Grant S.
Bulla, James J.
Bunch, Tillman T.
Bunnell, Norman R.
Butterfield, Louis B., and Sulzer.
Campbell, William P., and Dailey.
Clemons, Dale R.
Cox, Thomas K.
Cradduck, Henry E.
Cranford, Jesse A.
Davis, Charles C.
De Bruyne, Anton L.
Ducasse, Vidal.
Duke, Harry, Greenwood, and Thomas.
Dutra, Frank A.
Earle, Norman E., and Leidich.
Eicher, William F., and Schwartz
Elarde, Paul F.
Emery, Charles B
Enzinger, Leonhard, and Padowicz.
Ertner, Edward W.
Evans, Robert L.
Fermanian, Armen, and Jurnak.
Fernald, Russell G.
Fielding, Melvin, and Mundy.
Frankwich, Alexander C.
Franz, Erwin E.
Fuchs, William F., and Lekan.
Geary, Edward S., and Soderman.
Gentry, Allen E., and Theller.
Gliss, George E.
Gray, Alvin N.
Gray, John B., III, and Martin.
Gruen, Ernest J.
Halvorsen, Russell V., Krause, and Polivka.
Hamilton, James O.
Hanson, Estyle D.
Harris, Robert A.
Henning, George E.
Hertenstein, Edgar W., Jr.
Herzog, Carl.
Hicks, William T., and Waters.
Holcomb, Arthur L.
Jespersen, Helgo W.
Jones, David D.
Kivley, Ray C.
Kraay, Robert A.
Krogel, Christopher J.
Kuettler, Arthur, Jr., and Radakovich.
Lamont, John.
Larsen, Einer W., and Marcus.
Lewis, Clay E., and Longfellow.
Linsley, John W., Jr.
Longfellow, Harold R.
Lubbert, Carl B.
Lubbert, Carl B., and Trimble.
Machian, George R., McClary, and Prickett.
MacPheat, Alexander M.
Marshall, Emil B.
Mayo, Louis A.
McCain, Cecil C.
Western Electric Company, Incorporated, assignee: *See*—Continued.
McLean, Vincent.
Meilstrup, Emil E.
Miner, John D., Jr., Austin, and Jesses.
Moeller, Lowell J.
Moss, Earl C.
Myers, Hubert A.
Penn, Julius H., and Powell.
Pike, Harold S.
Powell, Paul R.
Rayburn, Vincent A.
Reichelt, Lester O.
Richards, Harrison H. C., Jr.
Rozanek, Charles.
Russell, Norman C.
Ruth, Charles W.
Schneider, William A.
Sigmon, Ross M., Jr.
Sivo, Walter, and Walendzik.
Smith, Bernard W.
Souter, John C.
Stevens, Clarence C.
Stiegler, August.
Strausser, Harry E.
Tooker, Haward A.
Triteline, Charles F., and Wright.
Waters, Daniel V.
Weaver, Harry B.
Weitzel, William F.
Wester, Henry P.
Western Engineering Trust, assignee: *See*—
Nardulli, Michael J.
"Western Engineering Trust," assignee, as trustee: *See*—
Nardulli, Michael J.
Western Garment Company, assignee: *See*—
Rosenfeld, Milton G.
Western Gear Works, assignee: *See*—
Langdon, Robert S.
Western Inspection Company, Incorporated, assignee: *See*—
Huhn, Fritz.
Western, James A., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Safety down limit switch for cable hoists. 2,661,405, Dec. 1.
Western Oil Tool & Engineering Co. Inc., assignee: *See*—
Moon, James.
Western Pacific Railroad Company, The, assignee: *See*—
Faye, Charles K., and Baldwin.
Western Precipitation Corporation, assignee: *See*—
Hardy, Lance.
Hull, William F.
Schmidt, Walter M.
Western Railway Equipment Company, assignee: *See*—
Pietzsch, Frank H.
Western States Machine Company, The, assignee: *See*—
Hertrich, Joseph.
Western Supplies Company, assignee: *See*—
Altvater, Adolf H.
Western Union Telegraph Company, The, assignee: *See*—
Blanton, William B., Currie, and Janson.
Bramhall, Fay B., Newell, Wells, and Cramer.
Buckingham, William D.
Easterlin, Philip R.
Edgar, William S. W., Jr.
Frost, Albert E.
Hackenberg, John H.
Hallden, Frederick G., and Zabriskie.
Jelinek, Charles, Jr.
Light, George G.
Ridings, Garvice H., Hackenberg, and Worthen.
Taylor, Roland C.
Turner, Frank T.
Wells, Philip H., Steinmetz, and Cannon.
Wilder, Harold F.
Wise, Raleigh J.
Wise, Raleigh J., and Parrott.
Wise, Raleigh J., and Ridings.
Westervelt, Robert A., Ames, Iowa, and R. L. Cummerow, Schenectady, N. Y. Electronic scanning apparatus. 2,645,741, July 14.
Westerville, Lawrence W., assignee: *See*—
Poe, Howard W.
Westfahl, William C., Olin, Iowa. Portable bathtub. 2,659,090, Nov. 17.
Westfalenhütte Dortmund Aktiengesellschaft, assignee: *See*—
Schmidt, Job, and Frielinghaus.
Westfalia Separator, A. G., assignee: *See*—
Wilsmann, Wilhelm.
Westfield Manufacturing Company, The, assignee: *See*—
Adzima, George R.
Westin, Axel, Milwaukee, and S. Westin, Elm Grove, Wis., assignors to The Westin Process Company. Apparatus for and method of tube forming. 2,625,635, Jan. 13.
Westin Process Company, The, assignee: *See*—
Westin, Axel and S.
Westin, Sven: *See*—
Westin, Axel and S.

Westinghouse Air Brake Company, assignee: *See*—
Allison, Leslie R.
Baker, Warwick R., and Rosensteel.
Bent, Arthur J.
Bent, Arthur J., and Williams.
Bone, Herbert L.
Borst, Douglas R.
Bradley, Schuyler L.
Brooks, Ralph C.
Cadman, Ira F., and Fallor.
Claus, William H.
Corteggiano, William L., and Kinn.
Corteggiano, William L., Vore, and Edwards.
Cotter, George L.
Dodd, Arthur E.
Doucette, Adrian R.
Eames, William F.
Edwards, Andrew W., and Wallace.
Eisenberg, Irwin M.
Esselman, Walter H.
Fallor, Charles W., and Shields.
Finlay, Alexander.
Florencourt, Frank B.
Franke, Herman F.
Frink, Russell E., and Fischer.
Gilson, Robert M.
Gorman, Andrew T.
Gracey, William R., Jr.
Grosjean, Wilbur V.
Hill, Gordon M.
Hines, Claude M.
Hufnagel, Andrew.
Hunter, Lloyd P.
Johnson, Paul S., and Spray.
Koch, Gustav H.
Laber, Ernest J.
Lawrence, William J.
Leeds, Winthrop M.
Lingal, Harry J., and Findley.
Ludwig, Leon R., Fockler, Formhals, and Walton.
Marlowe, Elbert W., and Brannen.
Martin, Paul N.
May, Harry C.
May, Harry C., and Hewitt.
McCloy, Graham S.
McCune, Joseph C.
McGowan, Kenneth J. J., and Woods.
McMahon, James E., Jr.
Meier, William F.
Miller, Raymond E.
Muse, Kenneth L.
Muss, Daniel R., and Hunter.
Newhouse, Paul D.
Nystedt, George.
Peterson, Clyde A., and Schaefer.
Poole, William M.
Poore, Wallace F.
Redding, Arnold H.
Rost, Otto W.
Rush, John W., and McClure.
Sexton, Everett P.
Smith, Harry R.
Squires, Rathbun B.
Staples, Crawford E.
Stevens, Roy R.
Thorp, Arthur G., II.
Tizzard, Thomas W., Jr.
Trout, George L.
Van Tassel, Harry C.
Wallace, Herbert A.
Wallace, James M., and Beach.
Wey, George J.
Whaley, Fred S.
Whitney, Ralph T.
Wilhelm, Wilbur F., Jr., and Gilbert.
Yarbrough, Lowell B.
Young, Henry S.
Westinghouse Brake and Signal Company Limited, assignee: *See*—
Baker, Robert M., and O'Donnell.
Barclay, William L., Jr.
Baudry, René A.
Beamer, Paul W., and Young.
Dorfman, Hiller D., and Gelzheiser.
Drake, John E.
Dyche, Howard E., Jr.
Ford, James G.
Frost, Lawrence W.
Hagg, Arthur C., and Wright.
Hansen, Hans E.
Hardigg, James S.
Harris, Walter R., Moore, and Schaelchlin.
Hewitt, George W.
Hibbard, Lloyd J.
Hodges, Charles W., and Koenig.
Jernstedt, George W., and Patrick.
Marbury, Ralph E.
McDonald, John E.
Schaelchlin, Walter.
Singel, John B., Leister, and Heck.
Stevens, Sydney A., and Duckett.
Suozzo, John.
Thorpe, Robert J., and Cummings.
Tubbs, Lester G.
Walker, Alec H. B.
Westinghouse Electric Corporation, assignee: *See*—
Alsing, Carl F.
Altar, William.
Altar, William, and Coltman.
Appleman, Theodore C.
Armstrong, George C.
Austin, Bascum O.
Baade, Henry.
Baker, Benjamin P.
Baker, Benjamin P., and Frisch.
Baker, Benjamin P., and Wilcox.
Baker, Robert M.
Ballard, Robert J.
Barnes, Randal P.
Barnsteiner, Alfons.
Barr, Robert L.
Barr, Robert L., and Hills.
Basnett, Robert T.
Baston, Cyril E.
Baston, Cyril E., and Futral.
Baudry, René A.
Baudry, René A., and Heller.
Baudry, René A., and Peterson.
Beese, Norman C.
Bendz, Waldemar I.
Bennighof, Ralph R.
Berberich, Leo J., and Philofsky.
Berkovitz, Harry.
Bingenheimer, Melvin.
Born, William F., and Langaunet.
Boyd, Bruce.
Boyer, John L.
Boyer, John L., and Albert.
Boyer, John L., and Colalaco.
Boyer, John L., and Kilgore.
Brace, Porter H.
Bradley, Schuyler L.
Brane, Maxwell D., and McLanahan.
Bricker, Samuel R.
Brown, Charles R., and Leedecke.
Buchanan, Lloyd W.
Caplis, George W.
Carter, John C. G.
Cellerini, Albert R.
Charlton, Thomas.
Cheek, Robert C.
Cheek, Robert C., and Newbury.
Clokey, John W., and Laughner.
Collins, Zane L., and Euler.
Corbett, Francis P.
Corteggiano, William L., and Redmond.
Cuttino, William H.
Cuttino, William H., and Tubbs.
Dailey, Hampton J.
Denault, Clinton L.
Dere, Willard A.
Derr, Willard A.
Derr, Willard A., and Reagan.
De Val, Eugene J., and Ackermann.
Dill, Everett C., and Ballard.
Dodd, Arthur E.
Dorfman, Hiller D.
Drobney, Joseph A., and Brown.
Duckett, Edward J., and Klotzbaugh.
Durkin, William J., and Arvidson.
Dyche, Howard E., Jr., and Cardwell.
Dyer, Lloyd W., and Born.
Eames, William F.
Eames, William F., and Esselman.
Edwards, Andrew W.
Egglestone, Robert W.
Eitel, William W., Jr.
Esselman, Walter H.
Fahnoe, Harold H.
Fahnoe, Harold H., and Paxton.
Farr, Kenneth E.
Fields, Arnold C.
Fisher, Martin H.
Florschutz, Fritz E., and Lentjes.
Foster, Newton C.
Freeman, George A., Anderson.
Freese, Gerald J.
Frisch, Erling, and Hunt.
Fulton, Wilbur C., and Tusing.
Gano, Harlan S., and Freese.
Garbuny, Max.
Garrison, John W., and Lovett.
Gelpi, Maurice J.
Gelzheiser, Francis L., and Drobney.
Gelzheiser, Francis L., and Walker.
Good, William E.
Grandmont, Paul E.
Grant, F. Eugene, and Katz.
Graybrook, Herbert W., and Ames.
Green, James H., and Makenny.
Gregory, Edward D., Lilliendahl, and Wro
Hagopian, Richard H.
Hague, Floyd T.
Hanna, Clinton R.
Hanna, Clinton R., and Oplinger.
Hansen, Hans E.
Harder, Edwin L., and Bradley.
Harder, Edwin L., Greenwood, Moore, an
Harding, William R., and Opel.

Westinghouse Electric Corporation, assignee: *See*—Con.
Hartwig, Edward C.
Hartwig, Edward C., and Barrell.
Hartwig, Edward C., and Van Ness.
Helot, Albert R. J.
Hewitt, George W., and Lagarias.
Hibbard, Lloyd J.
Hill, Jerald E.
Hills, Elmer G.
Hines, Claude M.
Hobbs, Maurice H., Dickinson, and Idzkowski.
Hodnette, John K., and Leonard.
Hogenbirk, Cornelius.
Holliday, Ivar M., Douglas, and Hanna.
Holzer, Albert W.
Hughes, Arthur V.
Ingraham, James W., and Barnsteiner.
Isabella, Anthony.
Jackson, Hagan L.
James, Homer B.
Jessee, Ralph D.
Johns, Francis J., and Jokl.
Johnson, Douglas.
Johnson, John L.
Kincaid, Homer F., Graham, Reynolds, and Wharff.
Kinn, Theodore P.
Kirby, Joseph J., and McGowan.
Koch, Gustav H.
Krenke, Vincent G.
Krings, Bernard J.
Kruhmin, Ernest.
Laidig, Alfred H., and Evans.
Large, William E., and Barrell.
Lee, Paul R.
Leeds, Winthrop M.
Leippe, Richard M.
Lenehan, Bernard E.
Lewin, Gerhard, and Goldman.
London, Coleman, and Foy.
Longini, Richard L.
Longini, Richard L., and Hushley.
Losco, Ezekiel F., and Hull.
Lunas, Lawrence J.
Lund, Alvin O.
Lundahl, Walter N.
Lynn, Lawrence B.
Mabry, Forrest S.
MacNeill, John B., and Lingal.
MacNeill, John B., Stuellein, and Horn.
Manecke, Siegfried E.
Mangan, Paul C., and Neal.
Marbury, Ralph E.
Marden, John W.
Marshall, Donald E.
McClellan, Cyril E.
McCurdy, William H., Findlay, and Werner.
McDonald, Jack.
McDonald, John E.
McLane, Fletcher E.
Middleton, Marshall, Jr.
Mierley, George M., and Schlotter.
Miller, Ernest F.
Montgomery, James P., and Hunt, Jr.
Morgan, Donald C.
Mosser, James K.
Mullan, Daniel, and Bauer.
Musk, Henry A., and Hammond.
Nagy, Rudolph.
Nagy, Rudolph, and Wollentin.
Neal, Robert A.
Neal, Robert A., and Mangan.
Nobles, Charles E.
Newhouse, Paul D.
Oman, Carl, and Clark.
Opel, Lawrence G., and Harding.
Pabst, Richard E.
Packer, Lewis C., Cross, and Monchamp.
Parsons, John R.
Pask, Joseph A., and Slack.
Pedersen, Haakon O., and Rydmark.
Penney, Gaylord W., and Thomas.
Petzinger, Ambrose J.
Ponstingl, John C.
Pouchot, Walter D.
Prescott, Herbert L.
Price, Donald J.
Purifoy, George R., and Barclay.
Purifoy, George R., and Jenkins.
Putnam, Charles W.
Rainone, Nicholas J.
Ramage, John H., and Malin.
Rambo, Sheldon I.
Rawlins, Herbert L.
Rawlins, Herbert L., Dickinson, and Frink.
Rawlins, Herbert L., and Wallace.
Redding, Arnold H., Whiteman, and Thompson.
Redmond, John A.
Rexroad, James O.
Reynolds, Delos J.
Rissler, Lennius R.
Rixton, Frederick H.
Sattler, Frank A., Swiss, and Ford.
Sauer, Louis E.
Savage, Conwell.

Westinghouse Electric Corporation, assignee: *See*—Con.
Schwendner, Anthony F.
Scullin, Carl H.
Specht, Theodore R.
Staples, Crawford E.
Stein, Gerhard M.
Sterling, Robert F.
Stockdale, Charles H., and Johnson.
Stoltz, Glenn E.
Stratton, Arthur T.
Strom, Albert P., and Browne.
Sudia, Frank, Jr.
Taylor, John W., Jr., and Parnell.
Taylor, William H., Jr.
Tharp, Nelson B.
Toth, Julius.
Toth, Julius, and Gelzheiser.
Tremblay, Bernard G., and Stuellein.
Trigg, Warren M.
Van Sickle, Roswell C.
Vandenberg, Frank.
Vogeley, Clyde E., Jr., and Stahl.
Vore, Milton P., and Gelpi.
Vore, Milton P., and Kirby.
Wallace, James M., and Edwards.
Wallace, James M., Edwards, and Kraft.
Wallace, James M., and McClung.
Wallace, James M., and Ogg.
Wallace, James M., and Silvius.
Wallace, James M., and Stirling.
Wallace, James M., and Strom.
Wasemann, William A.
Webb, Edward L., and Fox.
Weltman, William C., and Kepple.
Werner, Leo C.
Wexler, Aaron, and Cunningham.
Weyrick, Paul M.
Wharff, Edward M., Jr.
Wheeler, Myron S.
Wiener, Charles.
Willby, Norman H.
Willis, Hilary B., and Dupler.
Wilson, Earl D.
Wilson, William R., and Reynolds.
Wolf, Samuel.
Wollentin, Robert W.
Woodman, Kenneth L.
Woods, Charles A., Jr., and Sterrett.
Wright, Robert L.
Wynne, Richard H., Jr.
Young, Douglass A.
Young, Douglass A., Lunas, and Nycz.
Zaino, Corradino R.

Westlake, Allen T., Jr., assignor to Casco Products Corporation, Bridgeport, Conn. Electric clockwork movement. 2,626,500, Jan. 27.

Westlake, Harry E., Jr.: *See*—
Scalera, Mario, and Westlake.

Westling, Carl J., West Orange, N. J., assignor to H. A. Brassert & Company, New York, N. Y. Concentric gas and air burner. 2,627,307, Feb. 3.

Westling, Carl J., West Orange, N. J., assignor to Vulcan Research Corporation, Pittsburgh, Pa. Forming bolt-retaining rings for flanged pipe coupling assemblies. 2,656,594, Oct. 27.

Westman, Elmer A., Fenton, Mich. Window structure. 2,644,557, July 7.

West Michigan Steel Foundry Co., assignee: *See*—
Dalton, Thomas B.

Weston, Arthur W., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Production of 2-chloro-1-phenylpropane. 2,654,791, Oct. 6.

Weston, Arthur W., Waukegan, and K. E. Hamlin, Jr., Gurnee, assignors to Abbott Laboratories, North Chicago, Ill. N,N'-disubstituted piperazines and preparing same. 2,636,032, Apr. 21.

Weston, Arthur W., and A. H. Sommers, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. N-benzhydryl - N'alkyl - substituted - homopiperazines. 2,655,498, Oct. 13.

Weston, Donald E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute with slotted and perforated barrier plates. 2,652,469, Sept. 15.

Weston Electrical Instrument Corporation, assignee: *See*—
Denton, Charles B., and Terhune.
Eadie, Edward M., Jr.
Gilbert, Roswell W.
Goodwin, William N., Jr.
Kebbon, Earl R.
Lamb, Anthony H.
Lamb, Francis X.
Miller, John H.
Morelock, Oliver J.
Shoemaker, George H.
Umrath, Ernst.
Wohlgemuth, Adolph J.

Weston, Herbert, New York, N. Y. Accounting and filing system. 2,634,729, Apr. 14.

Weston Hydraulics, Limited, assignee: *See*—
Baldwin, Lee E.
Baldwin, Lee E., and Franklin.

Weston, William K.: *See*—
Scott, Thomas R., and Weston.

Weston, William K., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Coaxial electric cable with corrugated seam. 2,653,989, Sept. 29.

Westool Limited, assignee: *See*—
Stewart, Donald A.

Westover, Miles R., Alton, Ill. Attachment nut. 2,649,884, Aug. 25.

Westphal, Leslie C., Wauwatosa, Wis., assignor to The Nu-Way Corporation, Rock Island, Ill. Shield for transformer coils. 2,652,521, Sept. 15.

West Point Manufacturing Company, assignee: *See*—
Beall, Charles R.
McHargue, William L.
Phillips, Joe, and Payne.
Piper, Frank R., and Gardner.
Wilson, Charles C., and Smedley.

Westrate, John M., Pleasant Ridge, Mich. Traction device. 2,625,194, Jan. 13.

Westrate, John M., Pleasant Ridge, Mich. Bottle-breaker. 2,655,320, Oct. 13.

Westronics, Inc., assignee: *See*—
Basham, Raymond B.

West Shore Manufacturing Co., assignee: *See*—
Sternbergh, Solon A., and Knabb.

Wests' Improvement Company Limited, assignee: *See*—
West, Frederick J. and E.

West Virginia Glass Specialty Company, assignee: *See*—
Weber, John C., Jr.

West Virginia Pulp and Paper Company, assignee: *See*—
Hassler, John W., and McMinn.

Westwood, Carridon G., South Bend, Ind., assignor to G. H. Bishop Company, Chicago, Ill. Multiple buck garment pressing machine. 2,624,964, Jan. 13.

Wetherill, Jean C.: *See*—
Mersereau, Emory P., Jr., and Wetherill.

Wetherington, Jesse B., and W. F. Rhem, Craven County, N. C. Portable conveyer. 2,626,039, Jan. 20.

Wetmore, Earnest M., Tonkawa, Okla. Carrier for mounting hammer mills and the like on tractors. 2,659 447, Nov. 17.

Wetsel, Cecil L., Sacramento, Calif. Scale for lift trucks. 2,638,336, May 12.

Wetsel, Cecil L., Sacramento, Calif. Load weight indicator for cranes. 2,646,273, July 21.

Wetsel, Cecil L., Sacramento, Calif. Load weight indicator for fork-lift trucks. 2,659,592, Nov. 17.

Wetterborg, Erland, Halmstad, Sweden. Apparatus for feeding cylindrical workpieces into centerless-grinding machines. 2,655,773, Oct. 20.

Wetterholm, Gustav A., and E. L. Nilsson, assignors to Nitroglycerin Aktiebolaget, Gyttorp, Sweden. Recovery of nitroform from a reaction mixture containing nitric acid and nitroform. 2,658,084, Nov. 3.

Wettstein, Albert: *See*—
Miescher, Karl, Wettstein, and Heer.
Miescher, Karl, Wettstein and Schmidlin.

Wettstein, Albert, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparation of steroid-17-carboxylic acids. 2,637,735, May 5.

Wettstein, Erwin, Zurich, assignor to FKG Fritz Kesselring Geratebau, Aktiengesellschaft, Bachtobel-Weinfelden, Switzerland. Electric contact device. 2,658,971, Nov. 10.

Wetzel, Albert W.: *See*—
Wetzel, Harold F. and A. W.

Wetzel, Harold F. and A. W., Battle Creek, Mich. Receptacle holding and supporting apparatus. 2,641,367, June 9.

Wetzel, Nelson F., Indianapolis, Ind. Antifreezing and nonpolluting water valve. 2,638,114, May 12.

Wetzler, Max E., Flushing, N. Y. Multiple-bar gluing clamp. 2,625,970, Jan. 20.

Wexler, Aaron, Pittsburgh, and G. T. Cunningham, Greensburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Valve assembly. 2,655,936, Oct. 20.

Wey, George J., Jersey City, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mounting for electrical instruments. 2,642,483, June 16.

Weyandt, Carl S., Homer City, Pa. Dual motor material handling device. 2,658,609, Nov. 10.

Weyandt, Carl S., Homer City, Pa. Axial electromagnetic motor with oppositely facing pole faces. 2,662,192, Dec. 8.

Weyandt, Carl S., Indiana, Pa. Double-acting circular reciprocating electromagnetic motor. 2,662, 193, Dec. 8.

Weyant, Romer G., Goshen, Ind. Plywood press. 2,626,642, Jan. 27.

Weyant, Romer G., Goshen, Ind. Press diaphragm. 2,634,773, Apr. 14.

Weydener, Otto, and W. H. St. Thomas, assignors to St. Thomas Inc., Gloversville, N. Y. Pocket case for paper currency. 2,658,545, Nov. 10.

Weyer, Ferdinand M., assignor to Marine Products Company, Detroit, Mich. Rotary pump or motor. 2,649,052,

Weyerhaeuser, Frederick, St. Paul., assignor, by mesne assignments, to Rock Island Millwork Company, Rock Island, Ill. Built-up wood panel. 2,661,511, Dec. 8.

Weyerhaeuser Timber Company, assignee: *See*—
Blickenderfer, Charles, Jr., and Brownfield.
Edwards, Miles L.
Grondal, Bror L., and Dickinson.
Hyman, William A.
Sherman, Charles A.
Van Beckum, William G., and Esterer.

Weygandt, Leslie G.: *See*—
Petterson, Reinhardt, and Weygandt.

Weygang, William G., East Meadow, and J. Swendsen, Lynbrook, assignors to Wegner Machinery Corporation, Long Island City, N. Y. Apparatus for treating chocolate or the like. 2,638,329, May 12.

Weymouth, Lawrence B., Grosse Pointe Farms, assignor to Briggs Manufacturing Company, Detroit, Mich. Visor. 2,625,426, Jan. 13.

Weynand, Paul, San Antonio, Tex. Cutter holder for stone dressers and the like. 2,627,262, Feb. 3.

Weynand, Paul, San Antonio, Tex. Valve seat grinding apparatus. 2,648,938, Aug. 18.

Weyrick, Paul M., Ashland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Range apparatus. 2,664,493, Dec. 29.

Whalen, Arthur J.: *See*—
Hedquist, Milton T., Harroun, Mayhew, Van De Sampel, and Whalen.

Whalen, Edward A., assignor to Wha-Lite Products, Chicago, Ill. Plasterer's darby. 2,626,520, Jan. 27.

Whalen, Edward J., North Providence, R. I. Automatic drain valve for air lines. 2,627,869, Feb. 10.

Whalen, James F., Jr.: *See*—
Kauffmann, Hans O., and Whalen.

Whalen, John P., assignor to The Bagley & Sewall Company, Watertown, N. Y. Cooled disk brake. 2,664,176, Dec. 29.

Whaley, Arthur G., Oak Harbor, Ohio. Extensible rack. 2,655,268, Oct. 13.

Whaley, Fred S., Greensburg, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake control apparatus. 2,642,962, June 23.

Whaley, Randall M.: *See*—
Lark-Horovitz, Karl, and Whaley.

Wha-Lite Products, assignee: *See*—
Whalen, Edward A.

Whallon, Curtis, Richmond Heights, assignor to Meier and Pohlmann Furniture Company, St. Louis, Mo. Extension table stabilizer. 2,629,642, Feb. 24.

Wharff, Edward M.: *See*—
Kincaid, Homer F., Graham, Reynolds, and Wharff.

Wharff, Edward M., Jr., Ellicott City, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for dielectrically heating irregularly shaped objects under pressure. 2,626,344, Jan. 20.

Wharff, Edward M., Jr., Ellicott City, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating work-holding means. 2,632,841, Mar. 24.

Wharff, Edward M., Jr., Ellicott City, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Induction heating equipment. 2,647,199, July 28.

Wharton, John, Coventry, assignor to Courtaulds Limited, London, England. Manufacture and production of artificial threads from viscose. 2,628,885, Feb. 17.

Wharton, John, and R. B. Hall, Coventry, assignors to Courtaulds Limited, London, England. Manufacture and production of artificial threads from viscose. 2,645,555, July 14.

Wharton, Joseph B., Mars, assignor to The National Supply Company, Pittsburgh, Pa. Apparatus for screwing pipe couplings handtight on pipes. 2,627,772, Feb. 10.

Wharton, William, Hadley Wood, near Barnet, England. Cultivating and tilling machine. 2,643,599, June 30.

Whately, Walter R., Lynchburg, Va., assignor to American Cyanamid Company, New York, N. Y. Classification of calcined conditioned titanium dioxide pigment slurries. 2,626,707, Jan. 27.

Wheatland Tube Company, assignee: *See*—
Clarke, Charles C.

Wheatley, Edward W.: *See*—
Fisher, James W., Bates, and Wheatley.
Fisher, James W., Wheatley, and May.

Wheatley, John B., A. W. Gaubatz, and C. C. Anderson, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Turbine or compressor stator ring. 2,640,679, June 2.

Wheatley, William B.: *See*—
Newman, Melvin S., and Wheatley.

Wheatley, William B., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Copper 7-benzyl-8-quinolinate. 2,649,451, Aug. 18.

Wheaton Brass Works, assignee: *See*—
Krone, Howard C., and Meyer.

Wheaton, Jack M., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Dispensing package for liquids. 2,630,944, Mar. 10.

Wheaton, Robert M.: *See*—
McMaster, Elmer L., Wheaton, and Skidmore.

Wheaton, Robert M., and D. F. Harrington, assignors to The Dow Chemical Company, Midland, Mich. Making anion-exchange resins. 2,642,417, June 16.

Wheel Aligning Necessities, Inc., assignee: *See*—
Castiglia, Thomas.

Wheelbarger, Albert S., assignor to Rockwell Register Corporation, Dayton, Ohio. Reduction gear unit. 2,644,346, July 7.

Wheelcraft Corporation, assignee: *See*—
Dodge, Ralph O.

Wheeler, Benjamin F., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency control system for microwave relay terminal stations. 2,653,315, Sept. 22.

Wheeler, Byron E., San Francisco, Calif., assignor to The Pelton Water Wheel Company. Governor head vibration dampener. 2,645,237, July 14.

Wheeler, Chester C., Altadena, Calif. Torpedo with rolling hull. 2,654,334, Oct. 6.

Wheeler, Claude C., Oxford, N. C. Portable traveling scaffold. 2,639,950, May 26.

Wheeler, Delbert, Topeka, Kans. Testing screen. 2,663,423, Dec. 22.

Wheeler, Donald H., Minneapolis, Minn., assignor to General Mills, Inc. Hydrogenated phenolic resin esters. 2,638,458, May 12.

Wheeler, Edwin F., Baltimore, Md. Automatic domestic dishwasher. 2,645,235, July 14.

Wheeler, Ellen R., Fairfield, Conn. Spectacle band. 2,649,020, Aug. 18.

Wheeler, Gerald E., Blytheville, Ark. Implement hitch. 2,640,405, June 2.

Wheeler, Gordon D., and J. H. Reilly, Monte Vista, Colo. Refrigerated carton. 2,648,954, Aug. 18.

Wheeler, Gordon K., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Preparation of ortho-phenanthroline. 2,651,636, Sept. 8.

Wheeler, Harry L., Jr., La Canada, Calif., assignor to the United States of America as represented by the Secretary of the Army. Machining porous metals. 2,663,928, Dec. 29.

Wheeler Insulated Wire Company, Incorporated, The, assignee: *See*—
Muldoon, William J.

Wheeler, Jack A., Elberton, and W. H. Matthews, Athens, Ga. Ciliometer. 2,628,612, Feb. 17.

Wheeler, James H., Kansas City, Mo. Drill jig. 2,659,251, Nov. 17.

Wheeler, John D.: *See*—
Hume, Horace D., and Wheeler.

Wheeler, John N., Hawthorne, assignor to International Business Machines Corporation, New York, N. Y. Checking means for interpreters. 2,624,273, Jan. 6.

Wheeler, Lionel H.: *See*—
Bovay, Harry E., Jr., Lawler, and Wheeler.

Wheeler Lumber Bridge and Supply Co., assignee: *See*—
Jensen, Carl T.

Wheeler, Myron S., Upper Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multivibrator. 2,648,004, Aug. 4.

Wheeler, Ralph F., Springfield, assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Ski pole and grip therefor. 2,627,421, Feb. 3.

Wheeler, Ralph F., Springfield, assignor to A. G. Spalding & Bros., Inc., Chicopee, Mass. Oil retainer for gloves or mitts. 2,662,225, Dec. 15.

Wheeler, Ralph F., and J. K. Preston, Springfield, and J. K. West, West Springfield, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Ski pole. 2,627,420, Feb. 3.

Wheeler, Stanley M.: *See*—
Grupen, James L., and Wheeler.

Wheeler, William H.: *See*—
Meek, George W., and Wheeler.

Wheeler, William O., Indianapolis, Ind. Food container for deep fat frying. 2,658,444, Nov. 10.

Wheeling Stamping Company, assignee: *See*—
Paull, Ambrose D., and Kraatz.

Wheeling Steel Corporation, assignee: *See*—
Cook, Nelson E., and Norteman.

Wheelis, Ben W., Burnet, Tex. Antifriction bearing assembly. 2,659,636, Nov. 17.

Wheelock, Charles E., Syracuse, N. Y. Cigarette holder. 2,644,463, July 7.

Wheel Trueing Tool Company, assignee: *See*—
Bruce, Stanford P.

Wheildon, William M., Jr., Framingham, assignor to Norton Company, Worcester, Mass. Bearing combination. 2,648,573, Aug. 11.

Whelan, James P., Quincy, Mass., assignor, by mesne assignments, to Judson Dunaway Corporation, Dover, N. H. Machine for producing covers and opener lever assemblies. 2,627,104, Feb. 3.

Wheland Company, The, assignee: *See*—
Campbell, George E.

Wheldon, George H., San Francisco, Calif. Web tensioning and driving mechanism. 2,631,790, Mar. 17.

Wheldon, George H., San Francisco, Calif. Web tensioning and driving device. 2,631,791, Mar. 17.

Whetstone, Richard R.: *See*—
Ballard, Seaver A., and Whetstone.
Scott, Lawrence B., Whetstone, Van Overbeck, and Blondeau.

Whetstone, Richard R., Orinda, assignor to Shell Development Company, San Francisco, Calif. Preparation of acrolein acetal. 2,626,283, Jan. 20.

Whetstone, Richard R., Orinda, assignor to Shell Development Company, Emeryville, Calif. Mixed acid anhydrides and production of same. 2,648,696, Aug. 11.

Whetstone, Richard R., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Preparation of diamines. 2,636,051, Apr. 21.

Whetstone, Richard R., and S. A. Ballard, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of 2-hydroxy-1,6-hexanedial. 2,639,297, May 19.

Whetstone, Richard R., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Resinous products from dihydropyran derivatives and producing the same. 2,640,815, June 2.

Whewell, Robert, New Bedford, assignor to Bourne Mills, Fall River, Mass. Drapery. 2,625,689, Jan. 20.

Whidden, Glen S., assignor to The Wilcox-Gay Corporation, Charlotte, Mich. Frequency conversion system. 2,664,501, Dec. 29.

Whigham, George H. and B. E. M. Miller, London, England, assignors to British Celanese Limited. Covering an irregular surface. 2,636,836, Apr. 28.

Whims, Charles C., Columbus, Ohio. Jet pump for jet propulsive apparatus. 2,651,452, Sept. 8.

Whinnery, Lewis A.: *See*—
Martens, Robert E., and Whinnery.

Whipple, George H.: *See*—
Morningstar, Ralph E., and Whipple.

Whipple, Jack V.: *See*—
Taylor, Walter P., Jr., and Whipple.

Whipple, Louis A., Jr., La Canada, assignor to Rocky Mountain Drilling Company, Los Angeles, Calif. Drilling rig base. 2,664,178, Dec. 29.

Whipple, William, Atlanta, Ga. Cylindroid tug. 2,655,890, Oct. 20.

Whirlpool Corporation, assignee: *See*—
Fields, George C.
Geldhof, Peter E.
Geldhof, Peter E., and Morrison.
Geldhof, Peter E., and Ringer.
Johnson, David A.
Morgenstern, Charles E.
Morrison, Harold E.
Morrison, Harold E., Geldhof, and Ringer.
Wooster, Vernon J.

Whisler, Paul A., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Forage harvester. 2,651,162, Sept. 8.

Whisler, Ralph H., Jr.: *See*—
Read, Charles E., and Whisler.

Whisler, Ralph H., Jr., and D. A. Palmer, assignors to Patent Development Company, Monroe, Mich. Shock absorber. 2,653,682, Sept. 29.

Whisler, Thomas C., Alameda, Calif., assignor to American Brake Shoe Company, New York, N. Y. Cable operated drag scraper. 2,626,471, Jan. 27.

Whisler, Thomas C., Alameda, Calif., assignor to American Brake Shoe Company, New York, N. Y. Dredge bucket construction. 2,641,855, June 16.

Whistler, Lawrence V., Jr., assignee: *See*—
Whistler, Lawrence V.

Whistler, Lawrence V., Kenmore, assignor of one-half to L. V. Whistler, Jr., Tonawanda, N. Y. Means for registering noncylindrical punches and dies. 2,655,995, Oct. 20.

Whitaker, Archie L., Altadena, Calif. Combined body and leg brace. 2,654,365, Oct. 6.

Whitaker Cable Corporation, assignee: *See*—
Taylor, John W.

Whitaker, Jesse L., Great Falls, Mont. Bedside traytable support. 2,647,516, Aug. 4.

Whitaker, John, North Wales, assignor to Safeguard Corporation, Lansdale, Pa. Keyboard construction for check writers, etc. 2,639,663, May 26.

Whitaker, John E., Monroe, La. Holder for a telephone and telephone directory. 2,638,398, May 12.

Whitaker, Randall, Sayville, and A. C. Herro, Oakdale, assignors to National Dairy Research Laboratories, Inc., Islip, N. Y. Concentrating milk and product. 2,663,642, Dec. 22.

Whitcomb, Charles D., assignor to Quikut Inc., Fremont, Ohio. Knife blade cutting edge. 2,636,267, Apr. 28

Whitcomb, Henry F., Jr., deceased; M. Whitcomb, executrix, assignor to Globe-Union Inc., Milwaukee, Wis. Roller-skate wheel. 2,628,869, Feb. 17.

Whitcomb, Keith R., and E. E. Finch, assignors to Cee-Bee Chemical Co., Inc., Los Angeles, Calif. Removing sealant from fuel tanks. 2,653,116, Sept. 22.

Whitcomb, Margaret, executrix: *See*—
Whitcomb, Henry F., Jr.

Whitcomb, William H., Portland, Oreg. Subdivided cashbox. 2,642,985, June 23.

White, Alan G.: *See*—
Coppock, Philip D., Mulligan, McCombie, and White.

White, Ambrose, Kentwood, La. Rotary pump or motor. 2,655,112, Oct. 13.

White, Ara L., assignor of one-half to T. A. Glavin, Edgewood, R. I. Stepladder having safety supporting bar. 2,656,088, Oct. 20.

White, Arnold C.: *See*—
Soussloff, Dimitri G., and White.
Soussloff, Dimitri G., White, and Hilbert.

White, Ben E., and J. A. Cushman, Jr., Reedsville, and A. A. Dukert, Upper Darby, Pa., assignors to American Viscose Corporation, Wilmington, Del. Enclosed cake tray. 2,656,041, Oct. 20.

White, Blanche B.: *See*—
Rosen, Leonard J., Kruth, and White.

White, Blanche B., Summit, and P. Blackman, Westfield, N. J., assignors to Celanese Corporation of America, New York, N. Y. Production of organic acid esters of cellulose. 2,627,515, Feb. 3.

White, Blanche B., Summit, and E. Barabash, New Providence, N. J., assignors to Celanese Corporation of America, New York, N. Y. Cellulose esters. 2,651,629, Sept. 8.

White, Calvin J., Brimley, Mich. Adjustable grill. 2,637,313, May 5.

White Cap Company, assignee: *See*—
Pacilio, Joseph C.
Schmied, Joseph M.

White, Charles D.: *See*—
Matthews, Kenneth A., and White.
Reeves, Alec H., and White.

White, Charles H., and W. P. Oehler, assignors to Deere & Company, Moline, Ill. Planter. 2,648,301, Aug. 11.

White, Clarence B., deceased, Montclair, N. J., by C. W. Penn and H. W. Trimble, executors, Upper Montclair, assignors, by mesne assignments, to Federal Leather Company, Belleville, N. J. Making a fire-resistant textile material. 2,634,218, Apr. 7.

White, Clayton F. A., Stelton, and J. R. Hill, Piscataway Township, Middlesex County, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic films having a stripping layer composed of a mixture of ethyl cellulose and cellulose nitrate. 2,638,417, May 12.

White, Clifford L., Salinas, Calif. Tire rack. 2,635,795, Apr. 21.

White, Dan, Cleveland, Ohio. Special boring bar. 2,641,940, June 16.

White, David, Company, assignee: *See*—
Rothweiler, Charles O.

White, Donald H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Urea synthesis. 2,632,771, Mar. 24.

White, Edwin H., assignee: *See*—
Mager, Gustave E.

White, Eric L. C.: *See*—
McGee, James D., White, Lubszynski, Webley, and Huntley.

White, Eric L. C., Richings Way, Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Pulse generating apparatus. 2,647,946, Aug. 4.

White, Eric L. C., Iver, England, assignor to Electric and Musical Industries, Limited. Circuits for modifying potentials. 2,651,719, Sept. 8.

White, Eric L. C., Iver, assignor to Electric & Musical Iadustries, Hayes, England. Negative feed-back amplifier. 2,652,459, Sept. 15.

White, Ezekiel F.: *See*—
White, Ezekiel F., and La Viano.

White, Ezekiel F., deceased, West Hartford, Conn. (M. B. White and Hartford National Bank and Trust Company, executors), and M. J. La Viano, Westwood, N. J. Gun compass. 2,653,390, Sept. 29.

White, Ezekiel F., deceased, West Hartford, Conn.; M. B. White and Hartford National Bank and Trust Company, executors. Choke for gun barrels. 2,663,961, Dec. 29.

White, Frank G., Watertown, and T. F. Callahan, Newtonville, Mass. Releasing device for strip forms in an autographic register. 2,627,428, Feb. 3.

White, Frank J., Seattle, and C. W. Scott, Kirkland, assignors to Tote Engineering, Inc., Seattle, Wash. Shipping container. 2,648,428, Aug. 11.

White, Frank L.: *See*—
Brooker, Leslie G. S., and White.

White, Frank S., Stockbridge, Mass., assignor to The Dorr Company, Stamford, Conn. Calcining lime bearing sludges. 2,650,084, Aug. 25.

White, Fred L., assignor to Crane Packing Company, Chicago, Ill. Apparatus for lapping connecting rod ends, caps and similar articles. 2,653,423, Sept. 29.

White, Frederick: *See*—
Railton, Denis E., and White.

White, George L., San Pablo, Calif. Internal reverse taper expanding bit reamer. 2,638,948, May 19.

White, Gerald: *See*—
Bamford, William P., Jendrisak, and White.

White, Gerald, Rossford, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet edging apparatus. 2,637,951, May 12.

White, Gerald A., Los Angeles, and L. W. Williamson, Wilmar, assignors to C. F. Braun & Co., Alhambra, Calif. Fuel burner. 2,643,916, June 30.

White, Gerald C., Macon, Ill. Safety cutoff switch for tractors. 2,640,898, June 2.

White, Godfrey L., Osceola, Ark. Apparatus for cultivating cotton and controlling noxious weeds. 2,663,973, Dec. 29.

White, Gwendolyn S., Darien, Conn. Nursing bottle holder. 2,644,623, July 7.

White, Halbert C.: *See*—
Vander Weele, John C., Britton, and White.

White, Halbert C., assignor to The Dow Chemical Company, Midland, Mich. Production and purification of amino acids. 2,642,459, June 16.

White, Halbert C., and D. V. Wysong, assignors to The Dow Chemical Company, Midland, Mich. Production of hydantoin and glycine. 2,663,713, Dec. 22.

White, Halbert L., Kansas City, Mo. Picture hanger. 2,657,887, Nov. 3.

White, Harold C., Cranford, N. J. Pump. 2,629,326, Feb. 24.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Cleaning tool for suction cleaners. 2,632,914, Mar. 31.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Convertible suction cleaner with agitator drive disengaging means. 2,637,874, May 12.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Converter for suction cleaners. 2,654,908, Oct. 13.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Nozzle adjustment for suction cleaners. 2,658,227, Nov. 10.

White, Ira U., Hyattsville, and R. G. Bartlett, Jr., Takoma Park, Md. Respiratory quotient and metabolism meter. 2,630,798, Mar. 10.

White, Irby C., Jr., Jackson, Miss. Oil defrosting unit. 2,632,304, Mar. 24.

White, James C., assignee: *See*—
White, William C.

White, John: *See*—
Mansfield, Wilfred P., and White.

White, John C. S.: *See*—
Rigby, Richard, and White.

White, John H., assignee: *See*—
Grosvenor, William M., Jr.

White, John J., assignee: *See*—
Ackerman, Morris.

White, John L., Kalamazoo, Mich., assignor to The Upjohn Company. High-speed continuous extractor. 2,660,518, Nov. 24.

White, Joseph L.: *See*—
McCormack, John C., and White.

White, Jud E., assignor to Martin-Decker Corporation, Long Beach, Calif. Means of measuring the magnitude of torque strain setup in a mass of material. 2,635,465, Apr. 21.

White, Jud E., assignor to Martin-Decker Corporation, Long Beach, Calif. Apparatus for relaying a control function through compressed air. 2,642,075, June 16.

White Laboratories, Incorporated, assignee: *See*—
Sondern, Clarence W., and Breivogel.

White, Leo L., Beverly Hills, assignor to Knickerbocker Plastic Co. Inc., Glendale, Calif. Repeating air pressure gun. 2,630,108, Mar. 3.

White, Le Roy, North Bend, Oreg. Pocket routing machine. 2,643,690, June 30.

White, Luisa R., Seattle, Wash. Dispensing container for paper rolls. 2,647,577, Aug. 4.

White, Madge B., executrix: *See*—
White, Ezekiel F.
White, Ezekiel F., and La Viano.

White Manufacturing Company, assignee: *See*—
White, William M., Jr.

White, Mathias A.: *See*—
Scranton, Norman A., and White.

White, Milton G., Princeton, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control of wave length in wave guides. 2,648,000, Aug. 4.

White, Paul F., Glen Ellyn, assignor to Santay Corporation, Chicago, Ill. Clothes rack. 2,647,669, Aug. 4.

White, Paul H., Jr., Los Angeles, Calif. Magnetic fluid coupling device. 2,643,748, June 30.

White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,654,928, Oct. 13.

White Products Company, assignee: *See*—
Wellman, Walter C.

White, Ralph V.: *See*—
Otto, Ferdinand P., Manley, and White.

White, Ralph V., Pitman, and H. D. Norris, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reaction products of fatty acids, dialkanolamines, and alkenyl succinic acid anhydrides. 2,638,449, May 12.

White, Ralph V., Pitman, and P. S. Landis, Glassboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reaction products of N-alkylated polyalkylene-polyamines and alkenyl succinic acid anhydrides. 2,638,450, May 12.

White, Ray T., Rocky River, assignor to The Hankins Container Company, Cleveland, Ohio. Packaging elongated articles. 2,624,989, Jan. 13.

White, Ray T., Rocky River, assignor to The Hankins Container Company, Cleveland, Ohio. Lamp-bulb merchandising package. 2,654,472, Oct. 6.

White, Richard D., New York, N. Y. Engine oil level indicator. 2,624,790, Jan. 6.

White, Robert A.: *See*—
Loofboro, Vernon L., and White.

White, Robert C.: *See*—
Jones, Harry H., and White.

White, Robert P.: *See*—
Parziale, Joseph, and White.
White, Ross, assignor to Brown and Root, Inc., Houston, Tex. Marine edifice. 2,631,742, Mar. 17.
White, S. S., Dental Manufacturing Company, The, assignee: *See*—
Uhler, Wilmer P.
White Sewing Machine Corporation, assignee: *See*—
Ayres, Waldemar A.
Colegrove, Nathaniel E.
White, Theodore, and J. R. B. Hastings, assignors to The Forestal Land, Timber and Railways Company, Limited, London, England. Manufacture of leather. 2,649,355, Aug. 18.
White, Thomas A.: *See*—
Caldwell, Carlyle G., White, George, and Eberl.
White, Thomas A., Quanah, Tex. Rotary drilling bit. 2,656,153, Oct. 20.
White, Walter R.: *See*—
Morey, Donald R., and White.
Nadeau, Gale F., and White.
White, Walter T.: *See*—
Holschuh, Carl G., Hammond, and White.
White, Warren W.: *See*—
Thias, Edwin P., Fischer, Gossard, and White.
White, Wayne E., assignor to Ozark-Mahoning Company, Tulsa, Okla. Treatment of fluorinated aluminum-bearing mineral products. 2,643,179, June 23.
White, Wayne E., assignor to Ozark-Mahoning Company, Tulsa, Okla. Water fluoridation and impurity coagulation. 2,643,226, June 23.
White, William C., assignor of one-third to N. W. Klopfenstein and one-third to J. C. White, Bellflower, Calif. Automatic stop device for carding machines. 2,639,470, May 26.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,648,810, Aug. 11.
White, William C., Schenectady, N. Y., assignor to General Electric Company. X-ray image intensification and method. 2,650,310, Aug. 25.
White, William C., and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Device for producing reciprocating or lateral motion. 2,660,671, Nov. 24.
White, William E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Joint construction for paving slabs. 2,627,793, Feb. 10.
White, William E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Fence post clip. 2,662,740, Dec. 15.
White, William J., North Miami Beach, Fla. Hinging means. 2,650,388, Sept. 1.
White, William M.: *See*—
Leavitt, Roger P., and White.
White, William M., and R. P. Leavitt, assignors to Eastman Kodak Company, Rochester, N. Y. Film hanger rack. 2,655,849, Oct. 20.
White, William M., Jr., assignor to White Manufacturing Company, Elkhart, Ind. Switch heater controller. 2,644,657, July 7.
Whitecar, Alten E., Westville, N. J., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Article counting machine. 2,651,466, Sept. 8.
Whitehall Metal Studios, Inc., assignee: *See*—
Ernst, Otto J., Jr.
Whitehead, Cyril C., Croydon, England, assignor to Bailey Meter Company, Cleveland, Ohio. Resistance thermometer. 2,654,818, Oct. 6.
Whitehead, Cyril D., Cardiff, Wales, assignor to John Curran Limited, Cardiff, Wales, Great Britain. Engine test bench. 2,657,574, Nov. 3.
Whitehead, Dean, Oak Park, and J. F. Anetsberger, Northbrook, assignors to Anetsberger Brothers, Inc., Northbrook, Ill. Dough sheeting apparatus for bakery machines. 2,655,118, Oct. 13.
Whitehead, Earl B., assignor to Atlantic Carton Corporation, Norwich, Conn. Packaging means. 2,646,165, July 21.
Whitehead & Kales Company, assignee: *See*—
Huebshman, Paul J.
Pressler, Philip J.
Stough, Gerald D.
Whitehead, Lawrence A., Richmond, Ind. Hot-air register. 2,639,655, May 26.
Whitehead, Leigh: *See*—
Gwinn, Myron B., and Whitehead.
Whitehead, Richard K.: *See*—
Meadows, Ernest D., and Whitehead.
Whitehead, Robert C., Jr., and C. E. West, Philadelphia, Pa., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Liquid level gauge. 2,625,820, Jan. 20.
Whitehead, Willard J., and G. E. Parker, assignors to Woodward Governor Company, Rockford, Ill. Fluid actuated governor control. 2,647,493, Aug. 4.
Whitehill, Lynwood N.: *See*—
Coffey, Charles A., Ryan, and Whitehill.
Whitehouse, Irving P., South Euclid, and M. E. Graham, Parma, assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Selectively chloridizing manganese in the treatment of materials containing iron and manganese. 2,658,813, Nov. 10.
Whitehouse, Irving P., South Euclid, and W. W. Krauss, assignors to Republic Steel Corporation, Cleveland, Ohio. Closet and wall construction. 2,660,269, Nov. 24.
Whitehouse, John R.: *See*—
Vaisey, Harold C., and Whitehouse.
Whitehouse, John R., assignor to Hickok Manufacturing Co., Inc., Rochester, N. Y. Belt buckle. 2,634,483, Apr. 14.
Whitehouse, John R., and H. C. Vaisey, assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Buckle. 2,634,479, Apr. 14.
Whitehouse, Karl C.: *See*—
Lecher, Hans Z., and Whitehouse.
Whitehouse Products, Inc., assignee: *See*—
Lawson, William L.
Whitehouse, Zebulon W., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Grinding apparatus. 2,627,704, Feb. 10.
Whitehouse, Zebulon W., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Electrode holding device. 2,632,780, Mar. 24.
Whiteley, Fred H., Kansas City, Kans. Intermittent feed mechanism utilizing control markings on film. 2,653,508, Sept. 29.
Whiteley, Joseph O., Jr., Menlo Park, Calif., and C. S. Fritz, York, Pa., assignors to The Dentists' Supply Company of New York, N. Y. Artificial tooth and forming the same. 2,654,949, Oct. 13.
Whiteley, Kenneth E., assignor to Randall Graphite Products Corporation, Chicago, Ill. Self-lubricating universal bearing. 2,639,952, May 26.
Whiteley, Robert L., Oak Park, and H. B. Hostetler, Maywood, assignors to Randall Graphite Products Corporation, Chicago, Ill. Side mount pillow block bearing. 2,638,389, May 12.
Whiteman, Benton A., Glen Allen, Va. Taper gauge. 2,639,511, May 26.
Whiteman, Fred: *See*—
Cencer, Peter F., and Whiteman.
Whiteman, Irvin R.: *See*—
Redding, Arnold H., Whiteman, and Thompson.
Whiteman, Marvin E., Los Angeles, Calif. Float trowel for cement floor finishers. 2,662,454, Dec. 15.
Whitesel, Harry A., Abington, assignor to Philco Corporation, Philadelphia, Pa. Clothes drying system. 2,660,806, Dec. 1.
Whitesell, Harry, Chicago, Ill. Contact wheel and the like. 2,643,549, June 30.
Whitesell, John C., Narberth, assignor to The Budd Company, Philadelphia, Pa. Transfer device for traveling conveyers. 2,643,755, June 30.
Whiteside, F. G., assignee: *See*—
Beverman, Harry G.
Whiteside, George H., Indianapolis, Ind. Bale case mounting latch mechanism. 2,627,802, Feb. 10.
Whiteside, Glenn H., Excelsior Springs, Mo. Crash controlled safety device for motor vehicles. 2,632,519, Mar. 24.
Whitfield, Edward C., Kitts, Ky. Cable safety fuse. 2,658,125, Nov. 3.
Whitfield, Joseph E., Erie, Pa., assignor to Read Standard Corporation. Blower intake port. 2,642,003, June 16.
Whitfield, Merrick S., assignee: *See*—
Clair, Louis C.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Side slipping weft detector. 2,629,407, Feb. 24.
Whitin Machine Works, assignee: *See*—
Clentimack, George E.
De Santis, Fausto G., and Wilcox.
Dudley, John S., and Brandt.
Elliott, Robert R., Sr.
Kelliher, Francis B.
Spencer, Samuel P.
Whitin, Paul, Manufacturing Co., assignee: *See*—
Gamble, James G.
Whiting Corporation, assignee: *See*—
Bielfeldt, Paul W.
Bock, George E., Roberts, and Hokanson.
Griffiths, Clyde C.
Holmes, Louis D.
Holmes, Louis D., and Hammond.
Ortglies, Raymond C.
Rice, Edgar C., and Rothenberger.
Skinner, Asa W.
Vokac, Charles W.
Vokac, Charles W., Rothenberger, and Morey.
Whiting, David V., Pasadena, and J. S. Runyan, San Clemente, Calif. Producing knitted shoe uppers of shrinkable yarn. 2,641,004, June 9.
Whiting, Floyd E., Woodstock, Ill. Power boat steering and control means. 2,629,356, Feb. 24.
Whiting, Richard L. and R. E., Detroit, Mich., assignors to Whiting Tubular Products, Incorporated. Method and means for producing closed end tubing. 2,663,206, Dec. 22.
Whiting, Robert E.: *See*—
Whiting, Richard L. and R. E.
Whiting Tubular Products, Incorporated, assignee: *See*—
Whiting, Richard L. and R. E.
Whiting, William A., Long Beach, assignor to American Pipe and Construction Co., Los Angeles, Calif. Reinforced concrete pipe. 2,639,731, May 26.

Whiting, William S., Jr., Camden, S. C. Conveyer. 2,627,339, Feb. 3.
Whitlatch, A. H., assignee: *See*—
Taylor, Victor E.
Whitledge, Edgar R., Mantua, assignor to The Aro Equipment Corporation, Bryan, Ohio. Impact wrench. 2,636,583, Apr. 28.
Whitley, Ernest M.: *See*—
Beckman, John C., and Whitley.
Whitley, Eunice G.: *See*—
Whitley, Henry B. and E. G.
Whitley, Henry B. and E. G., Durham, N. C. Head support. 2,663,029, Dec. 22.
Whitley, Maurice G.: *See*—
Carrier, Robert M., Jr., and Whitley.
Whitlock, Allen M., New Canaan, Conn. Educational device. 2,635,357, Apr. 21.
Whitlock, Charles P., Medford, Oreg. Garden hose stake. 2,657,012, Oct. 27.
Whitlock, Edwin L.: *See*—
Kane, Edward, and Whitlock.
Whitlock, Fred W., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Fluid sterilizer. 2,648,774, Aug. 11.
Whitlock, Robert A., Jr., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Lift-turn valve handle structure. 2,633,325, Mar. 31.
Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,625,801, Jan. 20.
Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,625,802, Jan. 20.
Whitman, Elmore F., Maywood, Ill., assignor to American Can Company, New York, N. Y. Tray hanger. 2,658,705, Nov. 10.
Whitman, Gerald M., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cyclohexene. 2,662,102, Dec. 8.
Whitman, Gertrude, Jamaica, N. Y. Brassière. 2,626,395, Jan. 27.
Whitman, Hyman L., East Bridgewater, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Corrective footwear. 2,650,438, Sept. 1.
Whitman, Nelson, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making tetraethyl lead. 2,657,225, Oct. 27.
Whitman Publishing Company, assignee: *See*—
Calverley, George H.
Whitman, Stephen F., & Son, Inc., assignee: *See*—
Flanagan, James R.
Rose, Irvin B.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Base assembly for mechanical refrigerators and the like. 2,626,851, Jan. 27
Whitner, Thomas C., Elizabeth, N. J. Impregnating cellulose fibers and composition therefor. 2,646,872, July 21.
Whitney Blake Company, The, assignee: *See*—
Hohenstein, Walter P.
Judisch, Carl H.
Whitney, David V., Jr.: *See*—
Cook, John S., and Whitney.
Whitney, Edwin J., Manhattan, Kans. Raking and windrow turning machine. 2,636,335, Apr. 28.
Whitney, Frank A., Holt, Mich. Salt spray. 2,641,989, June 16.
Whitney, Fred R.: *See*—
Von Hofen, Earl W., and Whitney.
Whitney, Gilbert C., Jr.: *See*—
Frisch, Martin, and Whitney.
Whitney, John E. S.: *See*—
Evans, Edward M., Bradshaw, and Whitney.
Evans, Edward M., and Whitney.
Whitney, Lois L., Chicago, Ill. Drapery crane. 2,642,192, June 16.
Whitney, Loren L., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Making a brake beam. 2,648,750, Aug. 11.
Whitney, Lyman F., Boston, W. E. Whitney, Belmont, and D. F. Comstock, Lincoln, assignors to Comstock & Wescott, Inc., Cambridge, Mass. Hot-water generator and storage system. 2,660,163, Nov. 24.
Whitney, Paul V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Power control mechanism and winch for cable drawn scoops. 2,631,818, Mar. 17.
Whitney, Paul V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer housing. 2,656,036, Oct. 20.
Whitney, Ralph T., Irwin, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure control apparatus for free piston machines. 2,642,717, June 23.
Whitney, Robert B., Pittsburg, Kans., and W. B. Weed, Kansas City, Mo., said Weed assignor to said Whitney. Vending machine. 2,635,938, Apr. 21.
Whitney, Robert F., Winchester, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Hide and skin working machine employing rotating rolls. 2,639,603, May 26.
Whitney, William B.: *See*—
Axe, William N., and Whitney.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of [illegible] using reaction products of alpha-hydroxy fatty [illegible] 2,628,938, Feb. 17.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of [illegible] tuted aromatic compounds. 2,640,804, June 2.
Whitney, William B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Process and apparatus for vacuum distillation. 2,647,862, Aug. 4.
Whitney, William E.: *See*—
Whitney, Lyman F., Whitney and Comstock.
Whitney, William E., Belmont, Mass., assignor, by mesne assignments, to Stator Company. Safety [illegible] 2,634,948, Apr. 14.
Whitney, William E., Belmont, Mass., assignor, by mesne assignments, to Stator Company. Multilayer [illegible] phragm. 2,646,077, July 21.
Whitsel, James L., Denver, Colo. Sandwich-making machine. 2,626,575, Jan. 27.
Whitson, James D., trustee, assignee: *See*—
Hensley, Alva C.
Whittaker, Charles E.: *See*—
Smith, Edward M., Whittaker, and Goodwin.
Whittaker, Edward G., New Rochelle, N. Y. Roll [illegible] system for textile drafting and spinning [illegible] 2,624,076, Jan. 6.
Whittaker, Henry C., Memphis, Tenn. Safety [illegible] 2,630,611, Mar. 10.
Whittaker, James E., Superior, Wis., assignor to United States Steel Corporation. Billet marker. 2,6[illegible] June 16.
Whittaker, June H.: *See*—
Bowman, John R., Ridenour, and Whittaker.
Whitten, Owen M., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Tractor and trailer brake [illegible] 2,652,904, Sept. 22.
Whittemore, Osgood J., Jr.: *See*—
Milligan, Lowell H., and Whittemore.
Whittey, George J., assignor to Eastern Steel Products Limited, Toronto, Ontario, Canada. Hydraulic [illegible] unit for road equipment. 2,632,262, Mar. 24.
Whittier, Earle O., Washington, D. C., dedicated [illegible] free use of the People of the United States. [illegible] candies, confections, icings, and the like and [illegible] sulting product. 2,651,574, Sept. 8.
Whittler, Ellerton W., Needham, assignor to The [illegible] Company, Foxboro, Mass. Electrical measuring [illegible] ratus. 2,630,559, Mar. 3.
Whittingham, John C., and P. W. Nichols, Colorado Springs, Colo. Adjustable pilot chair. 2,655,98[illegible] 20.
Whittington, James A., assignee: *See*—
Buchel, Jules.
Whittington, Paul E., Arlington, Va. Marker for boards. 2,636,275, Apr. 28.
Whittington, Paul E., Arlington, Va. Electric [illegible] apparatus. 2,640,026, May 26.
Whittington, Paul E., Arlington, Va., assignor to the United States of America as represented by the Secretary of the Army. Washing apparatus. 2,6[illegible] July 28.
Whittum, Warren C.: *See*—
Schnuck, Carl F., and Whittum.
Whitworth, Fairchild, Fairfield, assignor to Sarco Meter Company, Bridgeport, Conn. Meter top [illegible] dex box. 2,647,404, Aug. 4.
Whitworth, Henry C., Scott City, Kans. Cattle [illegible] 2,650,567, Sept. 1.
Whitworth, Sir W. G. Armstrong, Aircraft Limited, assignee: *See*—
Piester, Joseph.
Whitworth, Sir W. G. Armstrong, & Company (Engineers) Limited, assignee: *See*—
Mansfield, Wilfred P.
Whizzer Motor Company, assignee: *See*—
Schuricht, Henry A.
Sherman, Floyd A.
Whyte, Eric J.: *See*—
Givens, John H., Rose, and Whyte.
Rose, Leslie, and Whyte.
Whyte, Fred, assignor of one-half to Waite & [illegible] Limited, Otley, England. Feeding and registration [illegible] sheets to printing machines. 2,631,849, Mar. [illegible]
Whytlaw, Graeme G., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. [illegible] tubular articles. 2,631,509, Mar. 17.
Wiancko, Thomas H., Altadena, Calif. Bridge [illegible] 2,657,353, Oct. 27.
Wianco, Albert P., Florence, Colo. Windshield [illegible] 2,624,904, Jan. 13.
Wiberg, Egon: *See*—
Nitzsche, Siegfried, Wiberg, and Hertwig.
Wiberg, Eric A.: *See*—
Ericsson, Eric A., Wiberg, and Atterling.
Wiberg, Oscar A., Finspong, Sweden. Elastic con[illegible] device for elastic fluid machines. 2,657,084, Oct.
Wick, Edwin F., Princeton, Wis. Tractor drawbar connecting link, grease gun, and oil can carrying [illegible] 2,630,229, Mar. 3.
Wick, George M., Ridgewood, N. J. Portable go[illegible] tester. 2,628,496, Feb. 17.
Wick, John S., Long Beach, Calif. Lawn edger. 2,6[illegible] Jan. 27.

Wick, Robert M., Washington, D. C., and G. R. Kern, Arlington, Va. Hydraulic control for oil burner fuel supply valves. 2,652,848, Sept. 22.

Wickardt, Kurt W., assignor to Hosemaster Machine Company Limited, Liverpool, England. Straight bar knitting machine. 2,649,703, Aug. 25.

Wickardt, Kurt W., assignor to Hosemaster Machine Company Limited, Liverpool, England. Straight bar knitting machine. 2,655,800, Oct. 20.

Wickell, Floyd, and T. Green, Mount Sterling, Ohio. Straw spreader for combines. 2,648,542, Aug. 11.

Wickens, Edward F., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Air line oiler. 2,646,134, July 21.

Wicker, Dan B., Dunbar, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Sulfuric acid recovery process. 2,631,973, Mar. 17.

Wicker, Dan B., Stamford, Conn., assignor to American Viscose Corporation, Wilmington, Del. Cutter for producing staple fiber and flock. 2,631,668, Mar. 17.

Wickerham, Warren E., Penn Township, Allegheny County, and O. K. Doolen, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Magnetic gradiometer. 2,663,843, Dec. 22.

Wickersham, Price D.: *See*—
Goland, Martin, and Wickersham.

Wickes Engineering and Construction Company, assignee: *See*—
Uhlig, Eric J., and Lewis.

Wickesberg, Alfred W., Milwaukee, Wis. Melting and dispensing apparatus. 2,646,189, July 21.

Wickey, Harold A., Mission, Kans. Invalid handling apparatus. 2,629,108, Feb. 24.

Wickham, Parker B.: *See*—
Johnston, Samuel A., and Wickham.

Wickham, Parker B., assignor to The George W. Borg Corporation, Delavan, Wis. Timing apparatus for clocks and watches. 2,624,194, Jan. 6.

Wickland, Algot A., Chicago, Ill. Spark arrester. 2,634,111, Apr. 7.

Wicklatz, John E.: *See*—
Howe, John F., and Wicklatz.
Reynolds, William B., Wicklatz, and Kennedy.

Wickman, A. C., Limited, assignee: *See*—
Adcock, Horace R.

Wickman, George E., Westport, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Stapling machine with guiding element. 2,637,030, May 5.

Wickman, Randolph F., Los Angeles, Calif. Barbecue roaster. 2,649,042, Aug. 18.

Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse storage and regenerating polar duplex impulsing telephone system. 2,629,018, Feb. 17.

Wicks, John, Biloxi, Miss., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Nonnumerical telephone switching arrangement. 2,652,456, Sept. 15.

Wicks, John D., assignor to Wix Accessories Corporation, Gastonia, N. C. Filter cartridge. 2,627,350, Feb. 3.

Wickson, Walter H., Waukegan, Ill., assignor to United States Steel Corporation. Stackable storage container. 2,635,786, Apr. 21.

Wickwire, Arthur M., North Canton, and R. M. Kessel, Massillon, Ohio, assignors to Automatic Steel Products, Inc., Wilmington, Del. Centrifugal clutch. 2,650,685, Sept. 1.

Wico Electric Company, assignee: *See*—
Guernsey, Glen A., and Green.

Widdicomb, John, Company, assignee: *See*—
Reed, Robert G., and Crowley.

Widdop, Mary E.: *See*—
Dimmick, Glenn L., and Widdop.

Widdop, Mary E., Oaklyn, and G. L. Dimmick, Haddon Heights, N. J., assignors to Radio Corporation of America. Selectively reflecting interference mirrors. 2,624,238, Jan. 6.

Widdows, Richard G., Shaker Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electric resistance unit. 2,639,360, May 19.

Widdowson, John H., and H. R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fluidized selective adsorption separation process. 2,636,574, Apr 28.

Wideman, Ewell F., Wetumpka, Ala. Journal box. 2,646,319, July 21.

Wideman, Ewell F., Wetumpka, Ala. Animated jumping toy. 2,656,646, Oct. 27.

Wideröe, Rolf, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Magnetic induction accelerator. 2,663,813, Dec. 22.

Wideröe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Magnetic induction accelerator. 2,631,234, Mar. 10.

Wideröe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Impulse circuit. 2,654,839, Oct. 6.

Widmann, Rudolph R., Beverly Hills, Calif. Composition of matter to decrease the circulation of blood and lymph in vascular and allergic disorders. 2,628,184, Feb. 10.

Widmer, Leo P., assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Mechanical movement in hydraulic motors. 2,642,748, June 23.

Widmer, Willy, Bottmingen, and A. Fasciati, assignors to Ciba Limited, Basel, Switzerland. Triazine monoazo dyestuffs. 2,643,996, June 30.

Widmer, Willy, Bottmingen, and A. Fasciati, assignors to Ciba Limited, Basel, Switzerland. Monoazo dyestuffs of the pyrazolone series. 2,657,203, Oct. 27.

Wiebalck, Klaus, Munich, Germany. Photographic developing apparatus. 2,656,773, Oct. 27.

Wiebe, Albert, Brooklyn, N. Y. Razor blade gauge and method. 2,637,116, May 5.

Wiebe, Albert, Brooklyn, N. Y. Headwear sizing gauge. 2,643,461, June 30.

Wiechers, Sybrandus G.: *See*—
Aten, Adriaan H. W., and Wiechers.

Wieczorek, Joseph, assignor of one-sixth to D. L. Johnson, one-sixth to E. J. Johnson and one-sixth to T. E. Johnson, Rockford, Ill. Drapery hook protective pocket. 2,653,658, Sept. 29.

Wied, Carl A., Stockport, N. Y., assignor of one-fifth to I. Richard Paris, Washington, D. C. Method and apparatus for cleaning fiber treating machines. 2,651,080, Sept. 8.

Wiedemann, Eugen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas-filled electrical generator. 2,650,313, Aug. 25.

Wieden, Erich, assignee: *See*—
Reich, Otto.

Wiegand, Clyde E., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse generator. 2,654,840, Oct. 6.

Wiegand, Edwin L., Company, assignee: *See*—
Boggs, Alben C.
Cunningham, Harry C.
Dzaack, Walter J.
Kolb, Joseph E.
Temple, Sidney J.

Wiegerink, James G., Sr., Ridley Park, Pa. Ironing aid and textile refinishing composition. 2,645,584, July 14.

Wiegers, Irvin E., St. Louis, Mo. Regulating device. 2,636,682, Apr. 28.

Wiegman, Clarence H., D. S. King, A. W. Rickenbach, Williamsport, and F. G. Rohm, Montoursville, Pa., assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Portable engine-generator set. 2,630,537, Mar. 3.

Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Ink drying equipment for web printing machines. 2,642,000, June 16.

Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll renewing. 2,646,938, July 28.

Wieland, Louis A., Pittsburgh, Pa. Rack truck for rugs. 2,664,307, Dec. 29.

Wielicki, Edward A., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Stabilized polyheptamethyleneurea and making the same. 2,653,144, Sept. 22.

Wieman, Ernest, Tomah, Wis. Backing unit for wall openings. 2,638,774, May 19.

Wiemer, Hermann K., Wallington, England. Hollow water cooled roller for roller mills. 2,650,034, Aug. 25.

Wiemer, Kurt F. G., Bad Toelz, Germany. Method of and apparatus for transmitting audio messages. 2,658,948, Nov. 10.

Wiener, Charles, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tipless quartz lamp. 2,664,517, Dec. 29.

Wiener, Jerome: *See*—
Fein, Raymond, and Wiener.

Wiener, Louis J., New York, N. Y. Bed accessory. 2,624,892, Jan. 13.

Wiens, Jacob H., Redwood City, Calif. Color television receiving system. 2,664,520, Dec. 29.

Wiens, John A.: *See*—
Sanders, Elmore J., Wiens, and McClave.

Wiepert, George D.: *See*—
Boden, George L., and Wiepert.

Wiepert, George D., Branford, assignor to The Merriam Manufacturing Company, Durham, Conn. Pivotal handle and handle-brace construction for containers. 2,636,641, Apr. 28.

Wier, Anthony J., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switchboard plug. 2,625,577, Jan. 13.

Wier, Anthony J., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shielded electrical conductor with grounding strand. 2,663,752, Dec. 22.

Wiershing, Roy, Carbon Cliff, Ill. Tractor transport box. 2,646,910, July 28.

Wies, Calmy: *See*—
Glendenning, Everett B., Wies, and Caron.

Wies, Calmy, New York, N. Y., and J. B. R. Caron, North Plainfield, and E. B. Glendenning, Cranford, N. J., assignors to Shell Development Company, San Francisco, Calif. Fuel oil composition. 2,626,207, Jan. 20.

Wiese, Arthur R., Jr.: *See*—
Gilroy, John, and Wiese.

Wiese, Herbert K., Cranford, N. J., assignor to Standard Oil Development Company. Preparing branched primary sulfate esters. 2,660,602, Nov. 24.

Wiese, Jesse C., San Pedro, Calif. Stereoscopic viewer. 2,649,837, Aug. 25.

Wiese, Lee O., Perry, Iowa. Welding jig for repairing plowshares. 2,659,332, Nov. 17.

Wieseman, Theodore R., assignor to The Louis Allis Company, Milwaukee, Wis. Rotor and shaft assembly for vertical electric motors. 2,635,198, Apr. 14.

Wieseman, Theodore R., assignor to The Louis Allis Company, Milwaukee, Wis. Starting circuit for electric motors. 2,640,177, May 26.

Wieseman, Theodore R., assignor to The Louis Allis Company, Milwaukee, Wis. Rotor for dynamoelectric machines. 2,655,613, Oct. 13.

Wiesenfeld, Sidney A., Brooklyn, N. Y. Combination blouse and slip. 2,632,892, Mar. 31.

Wiesman, Frank H., Mount Healthy, Ohio. Device for inducing sleep and rest. 2,659,073, Nov. 10.

Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Flush type outlet fixture. 2,657,250, Oct. 27.

Wiesner, Doris P., Winnipeg, Manitoba, Canada. Dress form. 2,657,843, Nov. 3.

Wiesner, Jerome B.: *See*—
Lee, Yuk Wing, Wiesner, and Cheatham.

Wiesner-Rapp Company, Inc., assignee: *See*—
Baehr, Sylvester C., and Roubloff.

Wiesner, Wayne, and F. Field, Palo Alto, Calif. Convertible vehicle. 2,660,442, Nov. 24.

Wiessner, Robert, Vienna, Austria, assignor to A. Dubsky, Elmhurst, N. Y. Safety lock for lighter lids. 2,637,577, May 5.

Wietzel, Herman L., Dayton, Ohio. Trimming comb. 2,650,421, Sept. 1.

Wigal, Voorhis F., Marietta, Ohio. Magnetic descending toy. 2,624,151, Jan. 6.

Wigg, Raymond E.: *See*—
Feilden, Geoffrey B. R., and Wigg.

Wiggan, Beresford O., Vallejo, Calif. Bundle transporting device. 2,655,323, Oct. 13.

Wiggins, Alpha M., Clay Township, St. Joseph County, assignor to Electro Voice, Incorporated, South Bend, Ind. Unidirectional microphone. 2,627,558, Feb. 3.

Wiggins, Glenn C.: *See*—
Teot, Arthur S., and Wiggins.

Wiggins, Glenn C., assignor to The Dow Chemical Company, Midland, Mich. Hydrogenated 1,1,3-trimethyl-3-phenyl indane. 2,629,751, Feb. 24.

Wiggins, John H., assignee: *See*—
Allen, John W.

Wiggins, John H., Chicago, Ill. Dry seal piston-type gas holder. 2,639,229, May 19.

Wiggins, John H., Chicago, Ill. Floating roof or cover for liquid storage tanks. 2,663,452, Dec. 22.

Wiggins, John H., and J. W. Allen, Chicago, Ill., said Allen assignor to said Wiggins. Floating roof for sewage digesting apparatus. 2,663,453, Dec. 22.

Wiggins-Hunt Engineering Corporation, assignee: *See*—
Hunt, William E.

Wight, Wayne K., assignor to Eastman Kodak Company, Rochester, N. Y. Camera bellows folding machine. 2,625,082, Jan. 13.

Wightman, William W., assignor to Bell & Howell Company, Chicago, Ill. Control for photographic copying apparatus. 2,657,612, Nov. 3.

Wigren, Adolph G., assignee: *See*—
Gersman, Harvey M.

Wigton, Paul L., Denver, Colo. Froth flotation apparatus. 2,648,529, Aug. 11.

Wigton, Walter B., and J. Daugherty, Cincinnati, Ohio, assignors, by mesne assignments, to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Machine tool. 2,631,500, Mar. 17.

Wihtol, Weltis, assignor to The Robert Dollar Company, Redwood City, Calif. Thermionic tube and plate assembly for such tubes. 2,648,793, Aug. 11.

Wiig, Selmer L., Los Angeles, Calif., assignor to B. J. Audette. Automatic gear shifting mechanism. 2,657,779, Nov. 3.

Wiitala, Edwin S., and W. J. Rogers, assignors to Eastman Kodak Company, Rochester, N. Y. Noncaking potassium bromide for photographic developers. 2,639,219, May 19.

Wijchman, Jan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Securing of a member to a support by means of a spring. 2,662,765, Dec. 15.

Wijga, Pieter W. O., Amsterdam, Netherlands, assignor to Shell Develpoment Company, San Francisco, Calif. Concentration of secondary alkyl sulfate salt solutions. 2,640,069, May 26.

Wikle, George F., and C. E. Todd, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Machine for heat-treating tires. 2,641,021, June 9.

Wiklund, Hendrik S.: *See*—
Wilén, Rolf K. E., and Wiklund.

Wikstrom, Oskar W., Newton, assignor to United States Atomatic Box Machinery Co., Inc., Roslindale, Mass. Polygonal box. 2,659,525, Nov. 17.

Wilborn, John C., Shattuck, Okla. Dental crown seating instrument. 2,624,942, Jan. 13.

Wilbro Corporation, assignee: *See*—
Geisler, William.

Wilbur, Everett T., Dayton, Ohio. Panoramic receiver. 2,626,350, Jan. 20.

Wilbur, Lawrence S., assignor to Flexible Metals Corporation, Chicago, Ill. Resilient cushioning device. 2,661,942, Dec. 8.

Wilbur, Lawrence S., assignor to Flexible Metals Corporation, Chicago, Ill. Resilient cushioning device. 2,661,943, Dec. 8.

Wilburn, Frank: *See*—
Cunningham, Jack B., and Wilburn.

Wilbushewich, Eugen, Haifa, Israel. Freezing plant. 2,643,524, June 30.

Wilchek, Andrew J., Cleveland, Ohio. Two wheel hand cart. 2,662,777, Dec. 15.

Wilckens, Eibe A., and C. C. Stoll, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for assembling receptacle closures and seals. 2,641,297, June 9.

Wilcolator Company, The, assignee: *See*—
Evans, Vincent J.
Malone, Homer F.

Wilcock, Donald F.: *See*—
Booser, Earl R., and Wilcock.

Wilcox, Albert C., Chicago, Ill. Automatic water-controlled electric drip coffee maker. 2,641,991, June 16.

Wilcox, Burr C., Dayton, Ohio. Structural rod joint. 2,658,776, Nov. 10.

Wilcox, Chester M., Allentown, Md. Baseboard radiator. 2,656,156, Oct. 20.

Wilcox, Doyle E., Inglewood, Calif., assignor to North American Aviation, Inc. Worm gear lapping apparatus. 2,641,088, June 9.

Wilcox, Ellis H.: *See*—
De Santis, Fausto G., and Wilcox.

Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.
Moehring, William D., and Wells.
Wells, Lawrence V.
Whidden, Glen S.

Wilcox, Henry O., J. C. Raymond, and A. N. Opheim, Denver, Colo. Snelled fishhook holder. 2,624,973, Jan. 13.

Wilcox, Howard M.: *See*—
Baker, Benjamin P., and Wilcox.

Wilcox, Isaac L., Fulton, and N. S. Cole, Baldwinsville, assignors to Oswego Falls Corporation, Fulton, N. Y. Machine for securing end closures to container barrels. 2,651,977, Sept. 15.

Wilcox, John S., assignor to Technical Instrument Laboratory, Inglewood, Calif. Rotary vane pump. 2,631,544, Mar. 17.

Wilcox, Marion J., Harvey, Ill., and E. F. Schade, Highland, Ind., assignors to Sinclair Refining Company, New York, N. Y. Catalyst stripping vessel. 2,628,158, Feb. 10.

Wilcox, Raymond J., Grosse Pointe Farms, and F. G. Vihtelic, Dearborn, Mich., assignors, by mesne assignments, to Ebaloy, Incorporated, Chicago, Ill. Treatment of steel. 2,661,279, Dec. 1.

Wilcox, Roy C., Collingswood, N. J., assignor to Radio Corporation of America. Neutralization of radio-frequency power supplies. 2,658,176, Nov. 3.

Wilcox, William H., assignor to California Cedar Products Company, Stockton, Calif. Lead laying mechanism. 2,632,554, Mar. 24.

Wilcoxon, Kenneth H., Cabin John, Md. Swivel. 2,633,375, Mar. 31.

Wild, Henry, Surveying Instruments Supply Co. Ltd., assignee: *See*—
Bertele, Ludwig.

Wild, Otto, Jr.: *See*—
Bliss, Harvey N., and Wild.

Wild, Rudolf F., Wilmington, Del., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic motor control apparatus. 2,633,558, Mar. 31.

Wild, Rudolf F., Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature measuring apparatus. 2,641,931, June 16.

Wilde, Frederick G., assignor to Paragon Revolute Corporation, Rochester, N. Y. Evaporator for gas developing machines. 2,630,744, Mar. 10.

Wilde, Geoffrey L., Coxbench, and F. J. Allen, Quarndon, assignors to Rolls-Royce Limited, Derby, England. Centrifugal compressor for supercharging internal-combustion engines. 2,648,195, Aug. 11.

Wilde, Raymond A., Everett, Wash. Lumber shake. 2,645,825, July 21.

Wilden, James K., Colton, Calif. Mucking machine. 2,644,596, July 7.

Wilder, Charlton, Cincinnati, Ohio. Dispensing machine for packaged articles. 2,634,185, Apr. 7.

Wilder, Edward A., and F. E. Chapman, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Mar-resistant paint composition. 2,640,038, May 26.

Wilder, Glenn W., Sutherlin, Oreg. Open-end wrench. 2,652,735, Sept. 22.

Wilder, Harold F., Wyckoff, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Means for increasing the telegraph signaling speed of submarine telegraph cables. 2,637,784, May 5.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and apparatus for producing gears. 2,633,775, Apr. 7.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Cutter for producing gears. 2,648,894, Aug. 18.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Positive clutch with helicoidal tooth surfaces of varying lead. 2,634,456, Oct. 6.

Wildhaber, Ernest, Brighton, assignor to The Gleason Works, Rochester, N. Y. Intermittent mechanical motion. 2,656,731, Oct. 27.

Wildhaber, Ernest, Brighton, N. Y. Universal joint. 2,662,381, Dec. 15.

Wildhack, William A., Arlington, Va. Liquid oxygen converter apparatus. 2,657,542, Nov. 3.

Wildish, Myron F., Terre Haute, Ind., assignor to Monsanto Chemical Company, St. Louis, Mo. Adhesive. 2,624,715, Jan. 6.

Wildman, Mfg. Co., assignee: *See*—
Howie, Kenneth.

Wilds, Alfred L., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Preparing 17-carbalkoxy steroids. 2,660,584, Nov. 24.

Wilds, Charles C., assignor of one-half to F. P. Andring, Naselle, Wash. Fuel tank with discharge coupling. 2,628,741, Feb. 17.

Wildt and Company Limited, assignee: *See*—
Barsby, Edward S., and Saunders.
Holmes, Henry H.
Saunders, Alfred P.
Saunders, Alfred P., and Holmes.

Wile, Daniel D., Whittier, assignor to Refrigeration Engineering, Inc., Los Angeles, Calif. Cooler means for placement in a corner. 2,633,718, Apr. 7.

Wilén, Rolf K. E., and H. S. Wiklund, Helsingfors, Finland. Arrangement in a screw press for squeezing out water. 2,658,445, Nov. 10.

Wilentchik, Jerzy, New York, N. Y. Varifunction potentiometer. 2,662,147, Dec. 8.

Wilentchik, Jerzy J., New York, N. Y. Varifunction potentiometer. 2,662,144, Dec. 8.

Wilentchik, Jerzy J., New York, N. Y. Characteristic changer. 2,662,145, Dec. 8.

Wilentchik, Jerzy J., New York, N. Y. Voltage and position control system. 2,662,146, Dec. 8.

Wilentchik, Jerzy J., New York, N. Y. Characteristic changer and linear potentiometer. 2,662,149, Dec. 8.

Wiles, Everett R., G. L. Meyers, and H. H. Coffman, Barnsdall, Okla., assignors, by mesne assignments, to Marathon Corporation, Rothschild, Wis. Breaking a urea complex. 2,663,671, Dec. 22.

Wiles, George M., assignee: *See*—
Szuecs, Joseph.

Wiles, Quentin T.: *See*—
Parry, Harvey L., and Wiles.

Wiley, Allen D., assignor to Armco Steel Corporation, Middletown, Ohio. Control of arc operation. 2,662,201, Dec. 8.

Wiley, Bruce F.: *See*—
McMillan, Fred L., and Wiley.

Wiley, Bruce F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Borehole hydraulic measuring apparatus. 2,660,800, Dec. 1.

Wiley, Clifford J.: *See*—
Canady, Buel H., and Wiley.

Wiley, Darrell R., assignor to Lustur Seal Corporation, Jackson, Mich. Spreader type applicator for liquid containers. 2,624,901, Jan. 13.

Wiley, Esmond F., Oakland, assignor to Universal Window Co., Berkeley, Calif. Control mechanism for awning type windows. 2,639,474, May 26.

Wiley, Esmond F., Oakland, assignor to Universal Window Co., Berkeley, Calif. Operating mechanism for multiple sash windows. 2,639,475, May 26.

Wiley, Francis R., Decatur, Ill. Broom. 2,649,602, Aug. 25.

Wiley, George D., Doylestown, Pa. Rear wheel splash guard for dump trucks. 2,653,846, Sept. 29.

Wiley, Mason B.: *See*—
Barbee, Roy T., and Wiley.

Wiley, Verlis H., Kenmore, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Automobile radio cabinet with cover contact clips. 2,629,764, Feb. 24.

Wilfert, Karl, Stuttgart-Degerloch, assignor to Daimler-Benz Aktiengeselischaft, Stuttgart-Unterturkheim, Germany. Wheel suspension mechanism for road vehicles. 2,641,482, June 9.

Wilfley, A. R., and Sons, Inc., assignee: *See*—
Wilfley, Elmer R.

Wilfley, Elmer R., Denver, Colo., assignor to A. R. Wilfley and Sons, Inc. Centrifugal pump bearing seal. 2,660,487, Nov. 24.

Wilford, Lawrence M., assignor of one-half to A. E. Hulet, St. Paul, Minn. Safety signal reflector for vehicles. 2,645,977, July 21.

Wilhelm Fette Prazisionswerkzeug-Fabrik, assignee: *See*—
Erdélyi, Ferenc.

Wilhelm, Harley A.: *See*—
Walsh, Kenneth A., and Wilhelm.

Wilhelm, Harley A., Ames, Iowa, and K. A. Walsh, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of zirconium tetrafluoride. 2,635,037, Apr. 14.

Wilhelm, Harley A., and P. Chiotti, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of powdered thorium. 2,635,956, Apr. 21.

Wilhelm, Pearl E., administratrix: *See*—
Wilhelm, Walter A., and Pedersen.

Wilhelm, Richard J., administrator: *See*—
Wilhelm, Walter A., and Pedersen.

Wilhelm, Walter A., deceased, and C. A. Pedersen, Salina, Kans., P. E. and R. J. Wilhelm, administrators of said W. A. Wilhelm. Illuminated scoring device. 2,641,857, June 16.

Wilhelm, Walter F., and M. De Haas, Dayton, Ohio, assignors to The Monarch Machine Tool Company. Automatic chuck. 2,657,065, Oct. 27.

Wilhelm, Wilbur F., Jr., Prospect Park, Pa., and E. Gilbert, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubrication apparatus. 2,642,155, June 16.

Wilhelmi, Dudley R., Tacoma, Wash. Offset hinge construction for laminated plywood cupboards and doors. 2,648,870, Aug. 18.

Wilhelmi, Heinz: *See*—
Huvendick, Karl, and Wilhelmi.

Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Valve shop cabinet. 2,646,329, July 21.

Wilholt, Darrel I.: *See*—
Nelson, Jessie A., and Wilholt.

Wilhousky, Vladimir J., New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. Grinding of thermosetting aminoplastic granular molding compositions. 2,624,514, Jan. 6.

Wilke, Milton E.: *See*—
Coleman, Joseph J., and Wilke.

Wilke, Milton E., assignor, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Electric battery with cross-over intercell connectors. 2,627,532, Feb. 3.

Wilke, Milton E., assignor to Burgess Battery Company, Freeport, Ill. Deferred action battery. 2,637,757, May 5.

Wilkelis, Andrew H.: *See*—
Eidman, Albert W., and Wilkelis.

Wilken, Carl E., New Lebanon, assignor to The Lau Blower Company, Dayton, Ohio. Blower. 2,628,419, Feb. 17.

Wilken, Carl E., New Lebanon, assignor to The Lau Blower Company, Dayton, Ohio. Blower. 2,628,769, Feb. 17.

Wilken, Carl E., New Lebanon, assignor to The Lau Blower Company, Dayton, Ohio. Stamped metal pulley and manufacture thereof. 2,641,935, June 16.

Wilken, Carl E., Dayton, Ohio., and L. L. McGladrey, Cloquet, Minn., assignors to The Lau Blower Company, Dayton, Ohio. Apparatus for forming blower wheels. 2,651,830, Sept. 15.

Wilken, Carl E., Dayton, Ohio, and L. L. McGladrey, Cloquet, Minn., assignors to The Lau Blower Company, Dayton, Ohio. Apparatus for forming blower wheels. 2,651,837, Sept. 15.

Wilkening, Frederick W., Penn Valley, H. G. Braendel, Paoli, and C. F. Engelhardt, Yeadon, assignors to Wilkening Manufacturing Company, Philadelphia, Pa. Expander for piston rings or the like. 2,639,205, May 19.

Wilkening Manufacturing Company, assignee: *See*—
Engelhardt, Carl F.
Wilkening, Frederick W., Braendel, and Engelhardt.

Wilkerson Corporation, assignee: *See*—
Wilkerson, Dewey.

Wilkerson, Dewey, assignor to Wilkerson Corporation, Denver, Colo. Air compressor tank drain valve. 2,662,351, Dec. 15.

Wilkerson, Edward D., Orange, N. J. Wheel alignment signaling means. 2,624,123, Jan. 6.

Wilkerson, Edward D., Orange, N. J. Automobile wheel supporting turnplate. 2,648,139, Aug. 11.

Wilkerson, Edward D., Orange, N. J. Scuff board for testing automobile wheel alignment. 2,648,140, Aug. 11.

Wilkerson Sword Company Limited, The, assignee: *See*—
Mathisen, Anders.

Wilkie, Harry, Dayton, Ohio. Blind landing and approach system. 2,634,084, Sept. 29.

Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Blending textile fibers. 2,636,222, Apr. 28.

Wilkie, Stanley A., Muskegon, Mich. Distributor heater. 2,660,656, Nov. 24.

Wilkin, Ellsworth D., assignor to Johnston Lawn Mower Corporation, Ottumwa, Iowa. Mower handle. 2,651,804, Sept. 15.

Wilkin, Robert A., Chino, Calif. Adhesive tape dispenser. 2,625,744, Jan. 20.

Wilkins, Charles H. T., Port Vue, Pa., assignor to National Standard Company. Securing rubber adhesion to metal and composition therefor. 2,643,273, June 23.

Wilkins, Edward W.: *See*—
Mortimer, Edmund W., and Wilkins.

Wilkins, Edward W., Tettenhall, Wolverhampton, assignor to Wilkins & Mitchell Limited, Darlaston, England. Power press. 2,652,770, Sept. 22.

Wilkins, Frederick J.: *See*—
Bewley, Thomas, and Wilkins.

Wilkins, Howard W.: *See*—
Shockey, Newton E., and Wilkins.

Wilkins, John P., Grand Island, Buffalo, N. Y., and E. L. Wittbecker, West Chester, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chelate polymers from tetraketones. 2,659,711, Nov. 17.

Wilkins & Mitchell Limited, assignee: *See*—
Wilkins, Edward W.

Wilkins, Raymond A.: *See*—
Dyer, John W., and Wilkins.

Wilkins, Richard A., and G. C. Mutch, assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Apparatus for smelting zinciferous material comprising an electric furnace. 2,629,756, Feb. 24.

Wilkinson, Clarence M., Akron, Ohio. Chute intake door or hopper. 2,647,605, Aug. 4.

Wilkinson, Edwin P.: *See*—
Bruins, Paul F., Wilkinson, and Rittershausen.

Wilkinson, Orville L.: *See*—
Wright, Otis A., Goddard, and Wilkinson.

Wilkinson, Orville L., Tujunga, and O. A. Wright, Burbank, Calif., assignors, by mesne assignments, to Hydro-Aire, Inc. Solenoid operated pilot valve and main gate valve. 2,650,616, Sept. 1.

Wilkinson, Robert G.: *See*—
Higgins, William F., and Wilkinson.

Wilkinson, Stanley C.: *See*—
Lombard, Adrian A., Morley, Davis, and Wilkinson.

Wilkinson, Wilfred H.: *See*—
Morley, Frederick W. W., and Wilkinson.

Will, Alex, Denver, Colo. Axle aligning device. 2,632,256, Mar. 24.

Will-Burt Company, The, assignee: *See*—
Johnson, Warren H.

Will, Victor R., Sacramento, Calif. Ceiling bed. 2,645,787, July 21.

Willard, Alfred R., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Machine for manufacturing battery plates. 2,652,617, Sept. 22.

Willard, Alfred R., East Cleveland, C. R. Glasener, Cleveland, F. C. Haak, Jr., Euclid, and C. A. Young, Cleveland Heights, assignors to Willard Storage Battery Company, Cleveland, Ohio. Assembling apparatus. 2,652,933, Sept. 22.

Willard, Carl L., assignor to Willard Concrete Machinery Co., Ltd., Lynwood, Calif. Single motor transit concrete mixer. 2,661,935, Dec. 8.

Willard Concrete Machinery Co., Ltd., assignee: *See*—
Willard, Carl L.

Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Focusing ultrasonic radiator. 2,645,727, July 14.

Willard Storage Battery Company, assignee: *See*—
Pucher, Leo E., and Cunningham.
Wells, Leland E., and Raney.
Willard, Alfred R.
Willard, Alfred R., Glasener, Haak, and Young.

Willby, Norman H., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Traction-motor control. 2,663,835, Dec. 22.

Willcox, Frederick P., Bethesda, Md., assignor to General Aniline & Film Corporation, New York, N. Y. Press focusing device for photographic diaphragms. 2,652,756, Sept. 22.

Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Gentillo, Achille J.

Willcox, Thomas N., Nutley, N. J., M. E. Gale, and K. R. Stadthaus, Pittsfield, Mass., assignors to General Electric Company. Molding apparatus. 2,629,132, Feb. 24.

Wille, Alexander T.: *See*—
Glazebrook, James R., and Wille.

Willett, George H., Jr., Birmingham, and W. R. Vroman, assignors to Incinerator Products Company, Detroit, Mich. Chimney wall mounted incinerator. 2,652,010, Sept. 15.

Willett, Leon E.: *See*—
Smith, Frank R., and Willett.

Willett, Leon E., and F. R. E. Smith, assignors to Chamberlin Company of America, Detroit, Mich. Emergency releasable locking mechanism for detention screens. 2,633,192, Mar. 31.

Willett, Warren P., Westmoreland Hills, Md. Flow dividing valve. 2,643,664, June 30.

Willetts, Elwood H., Douglaston, N. Y. Irrigation apparatus. 2,652,282, Sept. 15.

Willetts, John R., Milwaukee, Wis., assignor to Artcraft Manufacturing Co., Cambridge, Mass. Combined seat and cover. 2,637,373, May 5.

Willey, Chester L.: *See*—
Kalikow, Irving, Wiley, and Poole.

Willgoos, Andrew V. D., assignor to United Aircraft Corporation, East Hartford, Conn. Fuel control for turbine power plants. 2,632,298, Mar. 24.

Willgoos, Andrew V. D., deceased, West Hartford, Conn., by Hartford National Bank and Trust Company, Hartford, Conn., executor, assignor to United Aircraft Corporation, East Hartford, Conn. Turbojet engine having tail pipe ejector to induce flow of cooling air. 2,639,579, May 26.

Willgoos, Andrew V. D., West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn. Starting device for compressor-turbine units. 2,652,685, Sept. 22.

Willi, Richard B., Norristown, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Dewatering device for adjustable blade rotary hydraulic machines. 2,636,714, Apr. 28.

William Cotton Limited, assignee: *See*—
Lynam, John E.

Williams, Abraham S., Shrewsbury, Mass. Self-storing combination storm window. 2,634,466, Apr. 14.

Williams, Alan F.: *See*—
Kaufman, Morris, and Williams.

Williams, Albert E., Strand, London, England. Manufacture of refractory articles. 2,636,244, Apr. 28.

Williams, Albert J., Jr.: *See*—
Cherry, Robert H., Williams, and Tarpley.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Pulse amplifier system for spectrographic analysis. 2,638,811, May 19.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. High-speed standardization of potentiometers. 2,657,349, Oct. 27.

Williams, Allen L., Park Ridge, Ill. Wrench provided with a cotter pin hole locator. 2,628,523, Feb. 17.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Winding control device. 2,625,337, Jan. 13.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Electroacoustic device. 2,632,634, Mar. 24.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic transducing apparatus. 2,643,071, June 23.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Polarizing ceramic transducers. 2,646,610, July 28.

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Bolster bumper. 2,631,030, Mar. 10.

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Rail car truck. 2,638,058, May 12.

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Bolster support means for rail car trucks. 2,645,188, July 14.

Williams, Alfred V., assignor to Molins Machine Company, Incorporated, Richmond, Va. Apparatus for feeding tobacco. 2,634,171, Apr. 7.

Williams, Alton C., San Angelo, Tex. Hand anvil. 2,638,803, May 19.

Williams, Andrew B., Boaz, Ala. Longitudinally seamed pipe. 2,634,760, Apr. 14.

Williams, Audley O., and W. G. McBurney, Niagara Falls, Ontario, Canada, assignors to American Cyanamid Company, New York, N. Y. Hood for electric furnace. 2,648,714, Aug. 11.

Williams, Arthur L.: *See*—
Coates, Clyde E., and Williams.

Williams, Arthur L., and E. A. Craig, assignors to Federal Machine & Welder Company, Warren, Ohio. Weld wheel construction for seam welders. 2,643,318, June 23.

Williams, Brevard, assignee: *See*—
Krogh, Jens I.

Williams Brothers Company, assignee: *See*—
Lewis, Jesse M.

Williams, C. K., & Co., assignee: *See*—
Ayers, Joseph W.
Stephens, Robert A.

Williams, Carl B., Jr.: *See*—
Boicey, James H., and Williams.

Williams, Charles E., Stanmore, England, assignor to General Electric Company. Dimming circuit and apparatus for fluorescent lamps. 2,650,326, Aug. 25.

Williams, Charles P.: *See*—
Schmitt, Robert A., Swed, and Williams.

Williams, Charles R., Hawthorne, and G. E. Hagen, Lawndale, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Stabilizing means for cold cathode tube flip-flop circuits. 2,638,564, May 12.

Williams, Charles R., Hawthorne, and C. S. Andersen, Bell, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Poly-anode flip-flop tube. 2,647,221, July 28.

Williams, Charlie D., Pasadena, Calif. Nozzle. 2,655,408, Oct. 13.

Williams, Chelsea S., Metropolis, Ill. Plumb bob line spool. 2,640,276, June 2.

Williams, Chester I., Grand Rapids, Mich. Steel waler and clamping means. 2,631,352, Mar. 17.

Williams, Chester I., Grand Rapids, Mich. Waler support. 2,644,219, July 7.

Williams, Chester I., Grand Rapids, Mich. Clamp bracket. 2,659,125, Nov. 17.

Williams, Clarence R., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Food chopper construction and knife therefor. 2,636,530, Apr. 28.

Williams, David C., Needham Heights, Mass., assignor to D. Biddison, New York, N. Y. Toggle actuated vise. 2,645,144, July 14.

Williams, David J., Olyphant, Pa. Check and script protector. 2,628,849, Feb. 17.

Williams, Dewayne K., assignor to Williams Manufacturing Co., Inc., Anaheim, Calif. Garment hanger. 2,624,496, Jan. 6.

Williams, Dolores H., executrix: *See*—
Steffan, Joseph J.

Williams, Earl O., assignor to **Easy Washing Machine** Corporation, Syracuse, N. Y. Time control switch. 2,647,963, Aug. 4.

Williams, Earl C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Washing machine with direct motor drive. 2,660,044, Nov. 24.

Williams, Earl C., Syracuse, N. Y. Mechanism for changing rotary motion to oscillating motion. 2,660,065, Nov. 24.

Williams, Edred B.: *See*—
Wagner, Harold H., and Williams.

Williams, Edward N., Rutherford, N. J. Trolley conveyer. 2,624,449, Jan. 6.

Williams, Edward S., New Philadelphia, Ohio. Plumb bob carrier. 2,637,913, May 12.

Williams, Elizabeth G., assignee: *See*—
Williams, Robert O. and O. E.

Williams, Elmer R., Springfield, Mo. Apparatus for siphoning water from oil treating structure. 2,624,462, Jan. 6.

Williams, Elmer R., Springfield, Mo., assignor to Shropshire-O'Neill Tank Company, Great Bend, Kans. Oil treating apparatus having settling tank heating means. 2,658,025, Nov. 3.

Williams, Elmer R., Springfield, Mo. Structure for removing free water from products having oil and free water therein. 2,659,488, Nov. 17.

Williams, Emery L., assignee: *See*—
Friday, James D., and Stillwell.

Williams, Eugenia K.: *See*—
Brenner, Abner, Couch, and Williams.

Williams, Evan C., Wilton, Conn., assignor to General Aniline & Film Corporation, New York, N. Y. Apparatus for extinguishing fires. 2,645,292, July 14.

Williams, Everard M., Pittsburgh, assignor to The Method X Company, Lansdale, Pa. Condenser-charging system for spark-cutting devices. 2,628,330, Feb. 10.

Williams, Everard M., State College, Pa. Object location relay system. 2,655,649, Oct. 13.

Williams, Everard M., and E. V. Cousy, Dayton, Ohio. Radio jamming device. 2,653,222, Sept. 22.

Williams, Ferd E., Schenectady, N. Y., assignor to General Electric Company. Image intensification apparatus. 2,645,721, July 14.

Williams, Francis J., Port Washington, and J. G. Hendricks, Brooklyn, assignors to National Lead Company, New York, N. Y. Vinyl compositions stabilized against changes in color. 2,625,533, Jan. 13.

Williams, Frank B., assignee: *See*—
Hood, Eugene J.
Williams, Harold E.

Williams, Frederic C., Great Malvern, assignor to Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Radio receiving circuit arrangement. 2,657,306, Oct. 27.

Williams, Frederic C., Timperley, assignor to National Research Development Corporation, London, England. Electronic information storage device. 2,642,550, June 16.

Williams, Frederic C., Timperley, and N. F. Moody, Cuffley, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Electronic signal tracking circuits. 2,639,419, May 19.

Williams, Frederic C., Timperley, A. A. Robinson, Scunthorpe, and T. Kilburn, Davyhulme, Manchester, assignors to National Research Development Corporation, London, England. Circuit for adding binary numbers. 2,643,820, June 30.

Williams, Frederic C., Timperley, and J. C. West, Hindley, assignors to National Research Development Corporation, London, England. Magnetic storage system for electronic binary digital computers. 2,652,554, Sept. 15.

Williams, Frederick D. M.: *See*—
Keast, Francis H., and Williams.

Williams, Frederick D. M., Weston, Ontario, assignor to A. V. Roe Canada Limited, Malton, Ontario, Canada. Combination injector and stabilizer for gas turbine afterburners. 2,651,178, Sept. 8.

Williams, Frederick R., Brightlingsea, England. Atomizer head. 2,629,631, Feb. 24.

Williams, George M., New Haven, Ind., assignor to United States Rubber Company, New York, N. Y. Protected wood structure and making same. 2,658,015, Nov. 3.

Williams, Gethin, Oxford, and A. P. Fowler, assignors to Carrier Engineering Company Limited, London, England. Treating vehicle bodies and chassis. 2,658,008, Nov. 3.

Williams, Gilbert M., administrator: *See*—
Hoen, Kenneth H., and Archer.

Williams, Glenn J., Morristown, Tenn. Pulley assembly. 2,632,334, Mar. 24.

Williams, Harold E., assignee: *See*—
Hood, Eugene J.

Williams, Harold E., assignor to F. B. and H. E. Williams, Carthage, Mo. Padding support. 2,649,899, Aug. 25.

Williams, Harrison L., Cleveland, Ohio, assignor to Thermoflux Products Inc. Soldering flux and manufacture. 2,631,952, Mar. 17.

Williams, Harry E., Chicago, Ill. Score registering device. 2,651,464, Sept. 8.

Williams, Harry L., assignor to Polymer Corporation Limited, Sarnia, Ontario, Canada. Arsenite catalyst activator. 2,655,495, Oct. 13.

Williams, Harry L., and J. M. Mitchell, assignors to Polymer Corporation Limited, Sarnia, Ontario, Canada. Catalyst activator for diolefin polymerization. 2,631,142, Mar. 10.

Williams, Harry M., Oakwood, and J. E. Johnson, assignors to The National Cash Register Company, Dayton, Ohio. Printing hammer rebound preventing means. 2,625,100, Jan. 13.

Williams, Herbert D., Monroe, Conn., assignor to General Electric Company. Switch. 2,644,062, June 30.

Williams, Hubert P., Fort Worth, Tex. Agricultural tool bracket. 2,632,372, Mar. 24.

Williams, Ira, Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Process and apparatus for making carbon black. 2,625,466, Jan. 13.

Williams, Ira, Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Treating channel black. 2,643,182, June 23.

Williams, Ivan A., Portland, Oreg. Cleft fastener for uniting materials and forming the same. 2,626,687, Jan. 27.

Williams, Ivor H., Birmingham, and R. K. Super, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Actuator for speed changing mechanism. 2,657,585, Nov. 3.

Williams, J. H., & Co., assignee: *See*—
Johnson, Walter J., and Ertell.

Williams, Jack, and A. Diamond, Bronx, N. Y. Article and method of making fabric covered rods. 2,644,776, July 7.

Williams, James B., Long Grove, Okla. Window and door valance. 2,636,557, Apr. 28.

Williams, James N., Los Angeles, Calif. Ladder hoisting attachment. 2,628,071, Feb. 10.

Williams, James V., Jr.: *See*—
Palmer, Ralph L., Fernekees, Haddad, Phelps, and Williams.

Williams, Jennings B., Tulsa, Okla. Machine for bonding and debonding brake shoe linings. 2,662,960, Dec. 15.

Williams, Jesse D., Jr., Shively, assignor to Henry Vogt Machine Company, Louisville, Ky. Ice-making machine. 2,653,453, Sept. 29.

Williams, John, St. Petersburg, Fla. Display container. 2,636,631, Apr. 28.

Williams, John C., Cambridge, Mass. Apparatus for frequency division. 2,660,668, Nov. 24.

Williams, John C., assignor to Hawley Products Company, St. Charles, Ill. Resins capable of producing viscous aqueous solutions and the manufacture thereof. 2,640,039, May 26.

Williams, John E., Linwood, N. J. Electronic voltage regulator. 2,629,854, Feb. 24.

Williams, John H., Barrington, and E. J. Mastney, Berwyn, Ill., assignors to Oak Mfg. Co. Electric switch. 2,628,293, Feb. 10.

Williams, John H., Opelousas, La. Automatic paraffin cutter. 2,636,565, Apr. 28.

Williams, John L., Jackson, Tenn. Rigid implement frame for four-wheeled tractors. 2,626,548, Jan. 27.

Williams, John M., Madison, N. J., and T. L. May, Long Island City, N. Y., said May assignor to said Williams. Leaf grinder. 2,647,694, Aug. 4.

Williams, John N., New York, N. Y. Stereoscopic viewing device. 2,643,577, June 30.

Williams, John N., New York, N. Y. Stereoscopic viewing device. 2,643,578, June 30.

Williams, Jonathan W., Hyattsville, Md. Antivesicant compounds and clothing impregnated therewith. 2,649,389, Aug. 18.

Williams, Joseph C., Independence, Mo. Jet propulsion engine with regulation of air distribution. 2,644,299, July 7.

Williams, Joseph C., Santa Monica, Calif. Multiple service window bay. 2,626,432, Jan. 27.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Rigidly mounted spring counterforce. 2,631,838, Mar. 17.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Automatic weighing scale. 2,633,349, Mar. 31.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale pendulum. 2,633,350, Mar. 31.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale check link. 2,634,966, Apr. 14.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic scale platform supporting means. 2,646,236, July 21.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Ball and socket strut. 2,646,271, July 21.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Strut platform support. 2,652,241, Sept. 15.

Williams, Leo C., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet controlling mechanism. 2,634,126, Apr. 7.

Williams, Leo C., assignor to Dexter Folder Company, Pearl River, N. Y. Sheet or signature feeding mechanism. 2,643,113, June 23.

Williams, Leo C., assignor to Dexter Folder Company, Pearl River, N. Y. Pile elevator. 2,654,601, Oct. 6.

Williams, Leo C., Pearl River, and N. H. Runge, Orangeburg, assignors to Dexter Folder Company, Pearl River, N. Y. Pile elevator. 2,654,603, Oct. 6.

Williams, Leon, Washington, D. C. Turntable counter unit. 2,631,909, Mar. 17.

Williams, Leonard M.: *See*—
Rees, Kenneth A., Innes, and L. M. and R. W. Williams.

Williams, Leonard W., Birchrunville, assignor to Lukens Steel Company, Coatesville, Pa. Corrosion inhibiting vessel construction. 2,638,338, May 12.

Williams, Leslie A.: *See*—
Knott, Edward B., and Williams.

Williams, Lloyd F., Anaheim, Calif. Feeder for fruit processing machines. 2,629,480, Feb. 24.

Williams, Lloyd F., Anaheim, Calif. Fruit juice extracting machine. 2,630,849, Mar. 10.

Williams, Lynn B., Berkeley, and J. C. Calkins, Bolinas, Calif., said Calkins assignor to said Williams. Pitting structure. 2,660,208, Nov. 24.

Williams Manufacturing Co., Inc., assignee: *See*—
Williams, Dewayne K.

Williams, Marguerite Renée, assignor to La Trique Brassières, New York, N. Y. Bust-supporting garment. 2,636,174, Apr. 28.

Williams, Marjorie R.: *See*—
Chiddix, Max E., and Williams.

Williams, Marshall R., Salt Lake City, Utah. Selective dispenser for merchandise. 2,636,795, Apr. 28.

Williams, Michael P., assignor to Cadillac Products, Inc., Ferndale, Mich. Protecting wrapper for automobile doors. 2,643,050, June 23.

Williams, Mildred D.: *See*—
Williams, Walter P. and M. D.

Williams, Moses M., Maimi, Fla., assignor of one-third to C. Killens. Automobile collision guard. 2,639,183, May 19.

Williams, Norman C., and R. W. Fishwood, assignors to Power Brake Equipment Co., Portland, Oreg. Push-pull control valve. 2,638,108, May 12.

Williams, Norman C., assignor to Power Brake Equipment Co., Portland, Oreg. Pressure fluid motor with movement limit valve therefor. 2,624,320, Jan. 6.

Williams, Norman H., assignor to Humphreys & Glasgow Limited, Westminster, England. Apparatus for carbureted water gas. 2,639,228, May 19.

Williams, Ollin W.: *See*—
Brown, Luther E., and Williams.

Williams, Owen E.: *See*—
Williams, Robert O. and O. E.

Williams Patent Corporation, assignee: *See*—
Collins, Edward J.

Williams, Paul A., Snyder, assignor to The W. & F. Manufacturing Co., Inc., Buffalo, N. Y. Molding method and apparatus. 2,652,592, Sept. 22.

Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Filament for electron tubes. 2,625,666, Jan. 13.

Williams, Paul D., Palo Alto, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Electron emitter for electron tubes. 2,647,067, July 28.

Williams, Paul E., assignor to Keasbey and Mattison Company, Ambler, Pa. Shingle. 2,642,823, June 23.

Williams, Paul H.: *See*—
Christian, Raymond A., Johnson, and Williams.
Christian, Raymond A., Strachan, and Williams.
Christian, Raymond A., Williams, Ganger, Colley, Strachan, Paden, Crawford, Johnson, Geiger, and Mitchell.
Sommer, Harry J., Albin, and Williams.

Williams, Peter R., San Antonio, Tex. Rack attachment for bathtubs. 2,659,491, Nov. 17.

Williams, Philip H., San Jose, Calif. Automatic boiler feed. 2,639,675, May 26.

Williams, Richard H., Amsterdam, Ohio, assignor to National Steel Corporation. Signal for lifting apparatus. 2,663,865, Dec. 22.

Williams, Robert F.: *See*—
Hiatt, Gordon D., and Williams.

Williams, Robert M., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Turbine rotor construction. 2,625,366, Jan. 13.

Williams, Robert M., Toledo, Ohio, assignor to Packard Motor Car Company, Detroit, Mich. Turbine rotor for turbojet engines. 2,657,902, Nov. 3.

Williams, Robert M., and C. N. Lawter, Toledo, Ohio, assignors to Packard Motor Car Company, Detroit, Mich. Gas turbine power plant with diverse combustion and diluent air paths. 2,625,794, Jan. 20.

Williams, Robert M., Toledo, Ohio, and G. F. Wislicenus, Baltimore, Md., assignors to Packard Motor Car Company, Detroit, Mich. Circumferentially arranged combustion chamber with arcuate walls defining an air flow path between chambers. 2,627,720, Feb. 10.

Williams, Robert O. and O. E.: said O. E. Williams assignor to E. G. Williams, Jackson Heights, N. Y. Bias safety razor blade. 2,637,905, May 12.

Williams, Robert W.: *See*—
Rees, Kenneth A., Innes, and L. M. and R. W. Williams.

Williams, Ronald: *See*—
Willis, Cecil H., and Williams.

Williams, Roland, San Francisco, Calif. Steam ing system for vehicles. 2,656,822, Oct. 27.

Williams, Rollo G., Great Neck, N. Y., assignor, b assignments, to Duro-Test Corporation, North N. J. Lighting control apparatus. 2,642,553,

Williams, Rollo G., Great Neck, N. Y., assignor b assignments, to Duro-Test Corporation, North N. J. Color lighting control system. 2,644,912

Williams, Rollo G., Great Neck, N. Y., assignor, b assignments, to Duro-Test Corporation, North N. J. Lighting control system. 2,651,743,

Williams, Rollo G., Great Neck, N. Y., assignor, b assignments, to Duro-Test Corporation, North N. J. Lighting control system. 2,657,338, O

Williams, Roy W., Waverly, Iowa. Ball bearin 2,636,211, Apr. 28.

Williams, Russell J.: *See*—
Belcher, Daniel, Williams, and Helmos.
Brady, Charles V., and Williams.

Williams, Samuel B.: *See*—
Staley, Allen C., and Williams.

Williams, Samuel B., Birmingham, assignor to Corporation, Highland Park, Mich. Turbine bl cooling means and carrier therefor. 2,641,440

Williams, Samuel B., Chevy Chase, Md., assigno National Cash Register Company, Dayton, Ohi device for electronic calculators. 2,626,752. J

Williams, Samuel B., Chevy Chase, Md., assigno National Cash Register Company, Dayton, Ohi tronic counting device. 2,647,997, Aug. 4.

Williams, Samuel B., Detroit, assignor to Chry poration, Highland Park, Mich. Cooled turbine pressor blade. 2,641,439, June 9.

Williams, Samuel L.: *See*—
Bent, Arthur J., and Williams.

Williams, Samuel, & Sons Limited, assignee: *See*
Durston, David S.
Gamble, Frederick D. M.

Williams, Sharp F., Indianapolis, Ind. Multiple hin. 2,627,982, Feb. 10.

Williams, Sylvester V., Titusville, Pa. High-pres tainer having laminated walls. 2,652,943, Sept

Williams, Victor G., assignor, by mesne assignm Delamere & Williams Company, Limited, Toro tario, Canada. Rotary side heat sealer for 2,627,893, Feb. 10.

Williams, W. E., assignee: *See*—
Roland, Frank E.

Williams-Wallace Company, assignee: *See*—
Kinkead, Alan.

Williams, Walter P. and M. D., Minneapolis, Min exerciser. 2,655,198, Oct. 13.

Williams, Warren J., Richmond Hill, N. Y. Fold and seating unit. 2,660,733, Dec. 1.

Williams, Warren J., Richmond Hill, N. Y., a Anderson, Cranford, N. J. Sheet metal d struction. 2,664,182, Dec. 29.

Williams, Welton J., Brownfield, Tex. Well drill ratus. 2,638,988, May 19.

Williams, William A., assignor to The America Company, Philadelphia, Pa. Adjustable diamet 2,651,209, Sept. 8.

Williams, William A., Sarnia, Lambton, Ontario assignor to Standard Oil Development Company liquid contacting apparatus. 2,652,316, Sept.

Williams, William A., assignor to The America Company, Philadelphia, Pa. Pulley. 2,657,58

Williams, William D.: *See*—
Cordier, David E., and Williams.

Williams, William D., and H. L. Binley, Toledo, signors, by mesne assignments, to Multi-Meter tion. Mixing attachment for water faucets. Jan. 13.

Williams, William F., Jr.: *See*—
Spice, Stuart M., Williams, and Moehring.

Williams, William J., Odessa, Tex., and J. W. assignors to Ventura Tool Company, Ventu Protective collar for drill pipes. 2,657,101,

Williams, William J., and J. W. E. Hanes, ass Ventura Tool Company, Ventura, Calif. collar for drill pipes. 2,628,134, Feb. 10.

Williams, William J., and J. W. E. Hanes, ass Ventura Tool Company, Ventura, Calif. Core 2,637,071, May 5.

Williams, William J., and J. W. E. Hanes, ass Ventura Tool Company, Ventura, Calif. Sp mounting tool. 2,641,054, June 9.

Williams, William K., Irving, and M. E. Krogh Tex., assignors to The Atlantic Refining Compa delphia, Pa. Cementing casings in oil wells. Aug. 18.

Williams, William W.: *See*—
Wallace, William E., and Williams.

Williams, William W., Easton, Pa., and A. F Phillipsburgh, N. J., assignors to General Film Corporation, New York, N. Y. Preparin dyes. 2,649,471, Aug. 18.

Williams, William W., Easton, Pa., and W. E. Rensselaer, assignors to General Aniline & Fi ration, New York, N. Y. Triazine fluorescer 2,660,578, Nov. 24.

Williams, Willie V., Dalton, Ga., assignor to Russell-Lacey Manufacturing Company. Loop-forming attachment for tufting machines. 2,625,125, Jan. 13.

Williams, Willis E., Shelbyville, Ind., assignor to Chambers Corporation. Top burner grate. 2,632,436, Mar. 24.

Williams, Willis E., assignor to Chambers Corporation, Shelbyville, Ind. Gas oven ventilation. 2,634,718, Apr. 14.

Williamson, Andrew M., Atlanta, Ga. Safety device. 2,635,712, Apr. 21.

Williamson, Charles D., Fort Worth, Tex. Reinforced patch pocket. 2,635,250, Apr. 21.

Williamson, Cecil M.: *See*—
Johnson, J. Leonard, and Williamson.

Williamson, Clifford N., Cleveland, Ohio, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Weatherproof vibrator assembly. 2,664,455, Dec. 29.

Williamson, George T.: *See*—
Williamson, Thomas G. and G. T.

Williamson, Herschel M.: *See*—
Bridwell, John W., Coker, and Williamson.

Williamson, Hilding V., assignor to Cardox Corporation, Chicago, Ill. Method for producing inert gases. 2,624,711, Jan. 6.

Williamson, Howard H., assignor to Associated Lighting Service, San Francisco, Calif. Mounting device for lighting fixture lens. 2,636,978, Apr. 28.

Williamson, Joe, Jr., Daytona Beach, Fla. Pneumatic pumping equipment. 2,656,794, Oct. 27.

Williamson, John W., assignee: *See*—
Dunn, Charles W.

Williamson, Lewis W.: *See*—
White, Gerald A., and Williamson.

Williamson, Louis W., Minneapolis, and H. Runsberg, assignors to Minneapolis-Moline Company, Hopkins, Minn. Horn gate mechanism. 2,651,088, Sept. 8.

Williamson, Loyal A., Jr., Los Angeles, and G. H. Schwab, Jr., Hermosa Beach, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Aircraft jet engine cooling system. 2,631,796, Mar. 17.

Williamson, Norman B., Portland, Oreg. Folding baby cart. 2,659,612, Nov. 17.

Williamson, Ollie L.: *See*—
Newton, Russell B., and Williamson.

Williamson, Oscar H., Riverside, Ill., assignor to International Paper Company, New York, N. Y. Box assembling machine. 2,643,378, June 30.

Williamson, Oscar H., Riverside, Ill., assignor to International Paper Company, New York, N. Y. Box holding clamp. 2,655,962, Oct. 20.

Williamson, Robert V., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Making lignocellulose pressure molded article. 2,645,587, July 14.

Williamson, Thomas G. and G. T., Athens, Ga. Vehicle loader. 2,634,003, Apr. 7.

Williamson, Thurmond A., Dallas, Tex., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 5-nitro-2-thiophenecarboxamides. 2,647,120, July 28.

Williamson, Warren, Santa Rosa, Calif. Smoking pipe. 2,655,158, Oct. 13.

Williamson, Wiley M.: *See*—
Lloyd, Jack M., and Williamson.

Williamson, William R., Independence, Mo. Glue dispensing assembly for envelope handling machines. 2,659,280, Nov. 17.

Williamson, William R., and J. P. Tyskewicz, assignors to The Maxim Silencer Company, Hartford, Conn. Evaporator. 2,649,408, Aug. 18.

Willihnganz, Eugene: *See*—
Rupp, John L., Dickover, Willihnganz, and Snyder.

Willim, Raymond, Detroit, Mich. Vacuum controlling device for an engine carburetor. 2,627,850, Feb. 10.

Willing, Joseph E., Rochester, and G. O. Ferm, Gates, assignors to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 2,654,831, Oct. 6.

Willis, Cecil H., and Ronald Williams, Hamilton, Ontario, Canada, assignors to Kalamazoo Vegetable Parchment Co., Parchment, Mich. Dispensing carton. 2,636,599, Apr. 28.

Willis, Charles L.: *See*—
Bennett, Edgar G., and Willis.

Willis, Delbert E., New Brunswick, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y. Dual transmission control. 2,640,374, June 2.

Willis, Hilary Bryan and P. E. Dupler, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Permanently plastic insulating composition. 2,647,063, July 28.

Willis, John S., assignor to Leslie Rankin Company, Cincinnati, Ohio. Sewing machine for making French bindings. 2,628,580, Feb. 17.

Willis, Kirk P., Wagoner, Okla. Recumbent shower bath. 2,659,899, Nov. 24.

Willis Oil Tool Company, assignee: *See*—
Paterson, John L.

Willis, Ralph F., McKeesport, Pa., assignor to United States Steel Corporation. Refractory lining. 2,631,836, Mar. 17.

Willis, Stanley L.: *See*—
Ofenstein, Robert C., and Willis.

Willis, Sumner C., White Plains, and D. Cardozo, Jr., New York, N. Y., assignors to American Seating Company, Grand Rapids, Mich. Chair-desk structure. 2,632,496, Mar. 24.

Willis, Sumner C., and L. W. Brulin, New York, N. Y., assignors to American Seating Company, Grand Rapids, Mich. Side frame for chair-desks. 2,643,703, June 30.

Willis, William L., Pruden, Tenn. Sight string. 2,637,109, May 5.

Willison, Donald: *See*—
Spence, Hubert L., and Willison.

Willison, Donald, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Cushioning mechanism for railway vehicles. 2,640,602, June 2.

Willison, Donald, Maple Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Railway draft gear cushioning mechanism. 2,635,766, Apr. 21.

Willison, Donald, Maple Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Cushioning device. 2,656,182, Oct. 20.

Willison, Donald, Cleveland, and H. L. Spence, East Cleveland, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Cushioning mechanism for railway vehicles. 2,640,603, June 2.

Willits, Glenn D., Leo, Ind., assignor to General Electric Company. Dual voltage reversible motor circuit utilizing a three-stud terminal board. 2,632,876, Mar. 24.

Willitts, Henry E., assignor to H. B. Smith Machine Co., Smithville, N. J. Shaft vibrator. 2,646,685, July 28.

Willkie, Herman F.: *See*—
Unger, Earl D., Smith, and Willkie.

Willman, Philip E., Maple Park, assignor to McGraw Electric Company, Elgin, Ill. Coffee maker. 2,641,681, June 9.

Willmore, Charles B., Newark, Ohio, assignor to William F. Jobbins, Incorporated, Aurora, Ill. Aluminum-magnesium casting alloys. 2,628,899, Feb. 17.

Willms, Fritz N., Tonasket, Wash. Pipe handle adapter. 2,655,300, Oct. 13.

Willock, Harry E., Vancouver, British Columbia, Canada. Rear-end suspension for motor trucks. 2,659,446, Nov. 17.

Willoughby, John T.: *See*—
Demarest, Charles W., and Willoughby.
Schwartz, Albert M., and Willoughby.

Wills, John H., Chester, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of tetrasilicates. 2,640,756, June 2.

Wills, John H., Chester, and J. F. Hazel, Havertown, assignors to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of silica filled materials. 2,649,388, Aug. 18.

Wills, Richard F., assignor to Color Research, Inc., Miami, Okla. Strip feeding mechanism for photographic copying apparatus. 2,633,355, Mar. 31.

Wills, Walter P., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Annular thermocouple. 2,639,305, May 19.

Willson, Abner R., and D. W. Nelson, Seattle, Wash., assignors to The MB Manufacturing Company, Inc., New Haven, Conn. Electrical vibratory apparatus. 2,645,728, July 14.

Willson, Corwin D., Flint, Mich. Demountable shelter. 2,627,949, Feb. 10.

Willson, Corwin D., Flint, Mich. Sedan having versatile structure. 2,638,374, May 12.

Willson Products, Inc., assignee: *See*—
Boyer, Charles J.
Matheson, James N.
Pfiher, George J.

Williston, Harry S.: *See*—
Winslow, Charles H., Jr., and Williston.

Willys-Overland Motors, Inc., assignee: *See*—
Derror, Fred L., and Gramly.
Kibiger, Arthur H.
Newlin, George M.
Roos, Delmar G., and Benning.

Willys Motors, Inc., assignee: *See*—
Roos, Delmar G.

Wilm, Carl C., assignor to Magnex, Inc., Denver, Colo. Pot holder. 2,641,793, June 16.

Wilmer, Emory M., Chillum, and W. P. Hunter, Silver Spring, Md. Clamp used in clamping plastic blocks together in plank construction. 2,644,497, July 7.

Wilmer, Rudolph H., assignor to The General Fireproofing Company, Youngstown, Ohio. Friction drawer retainer. 2,661,997, Dec. 8.

Wilmes, William L., assignor to Binks Manufacturing Company, Chicago, Ill. Centrifugal liquid nozzle. 2,659,631, Nov. 17.

Wilmington, Edna T., Chicago, Ill. Horological educational device. 2,655,739, Oct. 20.

Wilmot, Charles M., and J. N. Mansour, Totton, England. Reaction-propelled model airplane, vehicle or boat and motor therefor. 2,637,162, May 5.

Wilmotte, Raymond M.: *See*—
Young, Larry L., and Wilmotte.

Wilmotte, Raymond M., assignor to Padevco, Inc., Washington, D. C. FM system. 2,654,806, Oct. 6.

Wilmotte, Raymond M., assignor to Padevco, Inc., Washington, D. C. Multiplex frequency modulation communication system. 2,654,885, Oct. 6.

Wilmsen, Joseph L., Rushland, Pa. Decorative plaque. 2,636,301, Apr. 28.

Wilner, John T., Elizabeth, N. J., assignor to the United States of America as represented by the Secretary of War. Electrical tuning device. 2,644,095, June 30.

Wilsher, Everett A., and E. C. Roh, Grand Rapids, Mich. Wrapper for articles of merchandise. 2,647,334, Aug. 4.

Wilske, Julius E., J. P. Benoit and F. A. McCormick, Alton, Ill., assignors to Owens-Illinois Glass Company. Apparatus for transferring and grouping partition strips. 2,625,083, Jan. 13.

Wilske, Julius E., F. A. McCormick, and V. G. Politsch, Alton, Ill., assignors to Owens-Illinois Glass Company. Apparatus for conveying and stacking box blanks. 2,660,432, Nov. 24.

Wilsmann, Wilhelm, Oelde, Westphalia, assignor to Westfalia Separator, A. G., Oelde, Germany. Continuous buttermaking process and apparatus. 2,649,377, Aug. 18.

Wilson, Albert A., Chicago, Ill. Combined flashlight and mirror support. 2,652,479, Sept. 15.

Wilson-Albrecht Co. Inc., assignee: *See*—
Albrecht, Henry P., Wilson, and Clark.

Wilson, Allen B., Galena Park, Tex. Pressure operated valve. 2,626,633, Jan. 27.

Wilson, Allen B., Galena Park, Tex. Pipe puller. 2,626,831, Jan. 27.

Wilson, Albert E., South Bend, Ind., and H. D. Hukill, Cleveland, Ohio, assignors to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,657,588, Nov. 3.

Wilson, Albert K.: *See*—
Ellis, Howard, and Wilson.

Wilson, Arthur D.: *See*—
Watson, Wallace B., and Wilson.

Wilson, Arthur R., Kansas City, Mo. Gun carrier. 2,632,619, Mar. 24.

Wilson Athletic Goods Mfg. Co., Inc., assignee: *See*—
Turner, Archibald J., and Havey.

Wilson, Ben W.: *See*—
Hunter, Hubert T., and Wilson.

Wilson, Bert A., assignor, by mesne assignments, to Blaw-Knox Company, Pittsburgh, Pa. Hydraulic roll grinder. 2,646,651, July 28.

Wilson, Blaine W., assignee: *See*—
Hodson, Layne O., and G., and Ross.

Wilson, Broadus, Raleigh, N. C., and H. M. Hincz, Miami, Fla., assignors to Southern Air Conditioning Corporation. Apparatus for precooling transportation vehicles. 2,634,589, Apr. 14.

Wilson, Burton J., Champaign, Ill., assignor to the United States of America as represented by the Secretary of the Army. Fluid pressure responsive differential bellows switch device. 2,635,153, Apr. 14.

Wilson, Carl H., assignee: *See*—
Young, Joseph T.

Wilson, Charles C., Lanett, and H. L. Smedley, Shawmut, Ala., assignors to West Point Manufacturing Company, West Point, Ga. Apparatus for testing thickness of textile lap. 2,642,664, June 23.

Wilson, Charles K.: *See*—
Ingham, Herbert S., and Wilson.

Wilson, Charles K., East Williston, assignor to Metallizing Engineering Co. Inc., Long Island City, N. Y. Gun construction for gas blast spraying heat-fusible materials. 2,659,623, Nov. 17.

Wilson, Charles W., Norton Township, Muskegon County, Mich. Fishing reel. 2,630,279, Mar. 3.

Wilson, Christopher L., assignee: *See*—
Hammon, Henry G.

Wilson, Christopher L., Columbus, Ohio. Plasticized sponge material and making same. 2,664,366, Dec. 29.

Wilson, Christopher L., Columbus, Ohio. Plasticized sponge material and making same. 2,664,367, Dec. 29.

Wilson, Christopher L., Columbus, Ohio, and G. H. Schilling, Benton Harbor, Mich., said Schilling assignor, by mesne assignments, to said Wilson. Making an abrasive sponge material and the product resulting therefrom. 2,636,013, Apr. 21.

Wilson & Co., Inc., assignee: *See*—
Edgar, Albert C.
Garapolo, Orlando.

Wilson, David E., Arlington, Va. Retaining device for slide fasteners. 2,656,579, Oct. 27.

Wilson, Donald L.: *See*—
Waters, David J., and Wilson.

Wilson, Earl D., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cooling of rectifier stack by thermal conduction. 2,657,343, Oct. 27.

Wilson, Edgar B., Jr., Cambridge, and R. H. Hughes, Brookline, Mass. Microwave spectrography. 2,636,926, Apr. 28.

Wilson, Edward, Dubois, Idaho. Log shaping machine. 2,645,253, July 14.

Wilson, Edward M., assignor to Henry Hope & Sons Limited, Birmingham, England. Conveying means for articles to be treated in a galvanizing bath. 2,661,717, Dec. 8.

Wilson, Eura, assignee: *See*—
Lloyd, Jack M., and Williamson.

Wilson, Forrest E., Los Angeles, Calif., and S. E. Verona, N. J., assignors of one-half to Solotone ration, Los Angeles, Calif., and one-half to C Fire Equipment Company, Newark, N. J. Col ated entertainment system. 2,628,280, Feb. 10.

Wilson, Frank C., Arcade, assignor to The Manufa and Traders Trust Company; J. A. Ahern, and Nash, Buffalo, N. Y., as executors of the estat R. Wilson, deceased. Broaching machine. 2,6 Jan. 13.

Wilson, Frank C., and G. F. Silliman, Arcade, assignors to The Manufacturers and Traders Company, J. A. Ahern and D. D. Nash, Buffalo, as executors of the estate of K. R. Wilson. features of motor stands. 2,654,147, Oct. 6.

Wilson, Frank R., Lexington, Ky. Antifreeze s tester. 2,628,494, Feb. 17.

Wilson, Frederick D.: *See*—
Lock, Douglas S., and Wilson.

Wilson George, E., and J. K. Vaughan, El Pas Wheel lug locking ring. 2,626,837, Jan. 27.

Wilson, Glenn C., Oak Park, Ill. Paper form 2,649,208, Aug. 18.

Wilson, Grady W., Thomasville, assignor to Ha Covington Hosiery Mills, High Point, N. C. 2,625,028, Jan. 13.

Wilson, H. A., Company, The, assignee: *See*—
Guinee, Edward J.
Mooradian, Victor G.

Wilson, Harley, assignee: *See*—
Hayes, Clyde B.

Wilson, Harold G. C., assignee: *See*—
Stainton, Dudley E.

Wilson, Harry C., Sherman Oaks, assignor to R. H Los Angeles, Calif. Device for removing the cans. 2,662,279, Dec. 15.

Wilson, Harry R., Waterloo, Iowa. Wheeled go 2,629,609, Feb. 24.

Wilson, Harry S., Andrews, Tex. Mobile suction for removing insects from plants. 2,643,482, J

Wilson, Harry W.: *See*—
Burton, Drury R., and Wilson.
Wilson, Jack C., and H. W.

Wilson, Harvey G., Taft, Calif. Pick for tubula 2,655,808, Oct. 20.

Wilson, Herbert W., assignor to The Hoover Co North Canton, Ohio. Retractable support for irons. 2,624,136, Jan. 6.

Wilson, Herbert W., assignor to The Hoover Co North Canton, Ohio. Support for electric 2,658,292, Nov. 10.

Wilson, Herbert W., assignor to The Hoover Co North Canton, Ohio. Rest for electric irons. 2, Dec. 1.

Wilson, Howe E., Washington, Ind. Building blo spaced walls. 2,647,392, Aug. 4.

Wilson, Isidore J., Trenton, N. J., assignor to Opt cessories Corp. Rim stretching cone for eyegla 2,634,636, Apr. 14.

Wilson, Ivan V., Wakefield, Mass., assignor to M Chemical Company, St. Louis, Mo. Paper co with slip resistant coating. 2,643,048, June 2

Wilson, Jack, Chicago, Ill., assignor to Universal Devices Co. Geared hand brake. 2,651,213,

Wilson, Jack, Chicago, Ill., assignor to Univers way Devices Co. Making gears. 2,654,944,

Wilson, Jack C., Garden City, and H. W. Wilson stead, N. Y. Magnetic wand actuated toy. 2, Aug. 11.

Wilson, Jack P., Penn Wynne, and W. H. Scott, assignors to Proctor & Schwartz, Inc., Philadelp Rug feeding apparatus. 2,657,045, Oct. 27.

Wilson, James A.: *See*—
Jonach, Fredrick L., Wilson, and Heigl.

Wilson, James H., Summit, N. J., assignor to Inter Standard Electric Corporation, New York, N. Y. and method for testing terminal banks. 2, June 16.

Wilson, James S., Brookline, Mass. Apparatus fo mining consistency of materials. 2,638,779, May

Wilson, James W., III, and G. E. Ullyot, assig Smith, Kline & French Laboratories, Philadelp Isoquinolyl heterocyclic ethers. 2,640,829, Jun

Wilson, Jean J., Bournemouth, England. Appar forming shaped objects from plastic 2,655,877, Oct. 20.

Wilson, John C., assignor to The Thompson Grind pany, Springfield, Ohio. Machine tool. 2,636,3 28.

Wilson, John H., Wichita Falls, Tex. Turre 2,650,417, Sept. 1.

Wilson, John H., Wichita Falls, Tex. Multiple coupling. 2,651,947, Sept. 15.

Wilson, John H., Wichita Falls, Tex. Fluid tigh coupling. 2,653,041, Sept. 22.

Wilson, John H., Wichita Falls, Tex. Rotary wo ing table. 2,660,074, Nov. 24.

Wilson, John H., Wichita Falls, Tex. Level win vice. 2,660,382, Nov. 24.

Wilson, John M., assignor to Minneapolis-Honeyw lator Company, Minneapolis, Minn. Burner co paratus with component checking means. 2 Jan. 27.

Wilson, John N.: *See*—
Moore, Robert J., and Wilson.
Wilson, John N. B., Detroit, Mich. Bookmark. 2,633,372, Mar. 31.
Wilson, John S., Vancouver, British Columbia, Canada. Movable skyline terminal. 2,649,209, Aug. 18.
Wilson, John T.: *See*—
Wilson, Winfred E., and J. T.
Wilson Jones Company, assignee: *See*—
Bunch, Peter, Mittomme, and Jennings.
Marano, Herbert W.
Segal, Samuel.
Stearns, Wesley O.
Wilson, Joseph F.: *See*—
Hillyer, John C., and Wilson.
Wilson, Julian: *See*—
Van Pelt, Dale M., Sanner, and Wilson.
Wilson, Karl T.: *See*—
Stevens, William A., and Wilson.
Wilson, Kermit H.: *See*—
Albrecht, Henry P., and Wilson.
Albrecht, Henry P., Wilson, and Clark.
Wilson, Kirke R.: *See*—
Wilson, Frank C.
Wilson, Frank C., and Silliman.
Wilson, Lawrence A.: *See*—
Lake, Clair D., Wilson, Piatt, and Durfee.
Wilson, Lawrence A., Garden City, and B. M. Durfee, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Accumulator entry control means for record controlled machines. 2,651,460, Sept. 8.
Wilson, Le Roy S., assignor to Roller Riddle Corp., Port Huron, Mich. Riddling device. 2,636,605, Apr. 28.
Wilson, Loyal V., Albany, Oreg. Vehicle collision indicator. 2,646,016, July 21.
Wilson, Marvin J., Chicago, Ill. Portable brushing machine for washing vehicles. 2,636,198, Apr. 28.
Wilson, Matthew W., Cuyahoga Falls, Ohio, assigner to The B. F. Goodrich Company, New York, N. Y. Adhesion of rubber to fiber. 2,652,353, Sept. 15.
Wilson, Michael T.: *See*—
Bray, Frederick H., Wilson, Ormrod, and Johnstone.
Wilson, Oran C., Sandusky, Ohio, assignor, by mesne assignments, to Thoreson-McCosh, Inc., Detroit, Mich. Apparatus for drying granular material. 2,641,848, June 16.
Wilson, Palmer C., Uniontown, Pa. Brake safety mechanism. 2,642,960, June 23.
Wilson, Paul E.: *See*—
Adams, James S., and Wilson.
Wilson, Price, Lexington, assignor of one-half to Linwood Manufacturing Co., Linwood, N. C. Bark-removing cutter reciprocable over step-by-step rotatable log. 2,640,516, June 2.
Wilson, Raymond W., Ferndale, assignor to Dearborn Motors Corporation, Birmingham, Mich. Implement hitch for tractors. 2,653,823, Sept. 29.
Wilson, Raymond W., Ferndale, assignor to Dearborn Motors Corporation, Birmingham, Mich. Hitch for heavy implements. 2,654,304, Oct. 6.
Wilson, Richard C., Minneapolis, assignor to Northern Pump Company, Fridley, Minn. Pivotal construction. 2,661,228, Dec. 1.
Wilson, Robert C., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for solid transfer. 2,626,235, Jan. 20.
Wilson, Robert H.: *See*—
Adams, Dennis A. W., Davies, and Wilson.
Wilson, Robert J., assignor to Soss Manufacturing Company, Detroit, Mich. Multiple leaf concealed hinge. 2,648,093, Aug. 11.
Wilson, Robert L., Chicago, Ill. Trailer wheel assembly. 2,662,782, Dec. 15.
Wilson, Robert O., Rockford, Ill. Cuff link. 2,658,249, Nov. 10.
Wilson, Ronald H., Leeds, assignor, by mesne assignments, to Kirkstall Forge Engineering Limited, Kirkstall, Leeds, England. Driving gear for the driven axles of vehicles. 2,648,236, Aug. 11.
Wilson, Rosser L., Mahwah, N. J., assignor to American Brake Shoe Company, New York, N. Y. Control apparatus. 2,661,403, Dec. 1.
Wilson, Rufus W.: *See*—
Horn, John C., and Wilson.
Wilson, Samuel A., assignor to Maloney-Crawford Tank & Manufacturing Company, Tulsa, Okla. Siphon box. 2,625,175, Jan. 13.
Wilson, Samuel A., assignor to Maloney-Crawford Tank & Manufacturing Company, Tulsa, Okla. Emulsion treater. 2,656,006, Oct. 20.
Wilson, Samuel W., Baton Rouge, La., assignor to Standard Oil Development Company. Improving alcohol quality. 2,663,745, Dec. 22.
Wilson, Samuel W., and E. T. Delaune, Baton Rouge, La., assignors to Standard Oil Development Company. Improving alcohol quality. 2,663,426, Dec. 22.
Wilson Supply Company, assignee: *See*—
Nixon, Jeddy D.
Wilson, Theodore J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic switch. 2,642,508, June 16.
Wilson, Thomas H., and R. H. Richardson, Coalville, England, assignors to F. N. Bard, Chicago, Ill. Percussive tool. 2,628,599, Feb. 17.
Wilson, Thomas Y.: *See*—
Easton, Rufus, and Wilson.
Wilson, Tom, and L. J. Hess, Baltimore, Md., assignors to Bethlehem Steel Company. Flying hot saw. 2,632,232, Mar. 24.
Wilson, Van, Lebanon, Ind. Egg candling and grading apparatus. 2,648,430, Aug. 11.
Wilson, Victor A., Toronto, Ontario, Canada. Instruction apparatus for vehicle operation. 2,627,674, Feb. 10.
Wilson, Volney C., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cathode-ray tube sweep circuit. 2,646,565, July 21.
Wilson, Volney C., Schenectady, N. Y., assignor to General Electric Company. Binary magnetic system. 2,652,501, Sept. 15.
Wilson, Volney C., Santa Fe, N. Mex., and J. A. Simpson, Jr., Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electrical apparatus and method. 2,633,540, Mar. 31.
Wilson, Walter G., Martyr Worthy, near Winchester, England. Fluid operated multiple disk clutch. 2,638,196, May 12.
Wilson, Walter G., Martyr Worthy, near Winchester, England. Change-speed gearing. 2,654,269, Oct. 6.
Wilson, Walter H., Mansfield, Ohio. Multiplex fuse plug. 2,650,968, Sept. 1.
Wilson, Walter H., Long Beach, Calif. Thermojet engine. 2,663,142, Dec. 22.
Wilson, Wilfred K.: *See*—
Crozier, Robert N., and Wilson.
Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Copolymers and copolymer emulsions of salts of monoalkyl esters of maleic acid. 2,643,245, June 23.
Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Water-soluble copolymers of salts of monalkyl esters of maleic acid. 2,643,246, June 23.
Wilson, William B.: *See*—
Simpson, Warren C., and Wilson.
Wilson, William F., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Clutch installation for motor vehicles. 2,632,543, Mar. 24.
Wilson, William G., assignee: *See*—
Levy, Benjamin.
Wilson, William H.: *See*—
Flight, Theodore N., and Wilson.
Flight, Theodore N., Wilson, and Chinn.
Wilson, William O.: *See*—
Quick, William G., and Wilson.
Wilson, William P., Carlsbad, N. Mex., assignor to United States Potash Company, New York, N. Y. Screw dewatering classifiers. 2,662,642, Dec. 15.
Wilson, William R., Ellicott City, Md., and J. B. Reynolds, Princeton, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Instantaneous frequency monitor. 2,640,106, May 26.
Wilson, William S., Brookline, and A. H. [illegible]mp, Brewster, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Sizing agents. 2,628,918, Feb. 17.
Wilson, Winfred E., Tacoma, Wash. Manufacturing composite board. 2,639,994, May 26.
Wilson, Winfred E., Los Angeles, and J. T. Wilson, San Marino, Calif. Means for measuring tension in bolts. 2,648,833, Aug. 11.
Wilt, Frank E., San Diego, Calif. Compressible fluid control means for toilet flush tanks. 2,640,995, June 9.
Wilt, Homer E., Akron, Ohio, assignor to the B. F. Goodrich Company, New York, N. Y. Tool for upsetting internally threaded rivets. 2,643,019, June 23.
Wilt, Homer E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hand-powered tool for upsetting hollow rivets. 2,641,378, June 9.
Wilt, Melvin C., Hinsdale, assignor to Curtis Lighting, Inc., Chicago, Ill. Canopy holder. 2,661,924, Dec. 8.
Wilton, Thomas O., deceased, Worthing, England; W. L. Wilton and L. V. Russell, executors, assignors to Chemical Engineering, Wiltons Limited, Horsham, England. Distillation of tars and like liquid hydrocarbons. 2,640,013, May 26.
Wilton, Winifred L., executrix: *See*—
Wilton, Thomas O.
Wilts United Dairies, Limited, assignee: *See*—
Taunton, Gerald.
Wiltse, Tracy R., Des Moines, Iowa. Shoe scraper. 2,648,864, Aug. 18.
Wily, James H., Bethlehem, Pa. Cigar or cigarette refuse receiver. 2,631,752, Mar. 17.
Wimberly, Joseph J., College Park, Ga., assignor to The New Jersey Zinc Company, New York, N. Y. Producing carbon disulfide. 2,633,409, Mar. 31.
Wimmer, Ernest L.: *See*—
Liggett, Robert W., and Wimmer.
Wimmer, John N., administrator: *See*—
Wimmer, Joseph M.
Wimmer, Joseph M., deceased, late of Memphis, Tenn., by J. M. Wimmer, administrator, Memphis, Tenn. Sheet assembling and pasting machine. 2,635,871, Apr. 21.

Wimmer, Ludwig: *See*—
Holstebroe, Kay E., Ardell, and Wimmer.
Win, Bernhard, Forest Hills, and E. Lipiner, Brooklyn, N. Y. Foldable hanger. 2,654,484, Oct. 6.
Winalot Bloodstock Equipment Company, assignee: *See*—
Griffiths, Peter G. J.
Winans, John M., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,624,597, Jan. 6.
Winberg, Hilmer E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making N-aryl-4-amino butanols. 2,628,978, Feb. 17.
Winberg, Ragner W., Floral Park, N. Y. Process and machine for forming belt assemblies. 2,635,670, Apr. 21.
Winborne, William H.: *See*—
Henderson, Glenn A., and Winborne.
Winburn, Harriet M., assignee: *See*—
Heller, David.
Wince, Vearl S., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire of the wall mounted type. 2,642,523, June 16.
Winch, Ronald, assignor of one-third to W. Sivak, and one-third to R. Wunsch, Winnipeg, Manitoba, Canada. Taximeter. 2,637,492, May 5.
Winchester, Dora, Miami, Fla., and E. K. Lotthammer, Jamaica, N. Y., said Lotthammer assignor to said Winchester. Combination comb, brush, and hair receiver. 2,663,303, Dec. 22.
Winchester Electronics, Incorporated, assignee: *See*—
De Tar, Donald R.
Winchester Electronics, Inc., assignee: *See*—
Gilbert, Leon.
Winchester, Robert H., Trenton, N. J. Apparatus for detecting flaws in metals. 2,659,858, Nov. 17.
Winckler, Gunnar A. F., Milford, assignor to Olin Industries, Inc., New Haven, Conn. Air cell vent. 2,632,032, Mar. 17.
Winckler, Gunnar A. F., Milford, and O. K. Reinhardt, West Haven, Conn., assignors to Olin Industries, Inc. Primary battery cell. 2,641,623, June 9.
Winckler, Gunnar A. F., Milford, and O. K. Reinhardt, West Haven, Conn., assignors to Olin Industries, Inc. Cell. 2,641,624, June 9.
Winckler, Gunnar A. F., Milford, W. H. Rose, Hamden, and O. K. Reinhardt, West Haven, assignors to Olin Industries, Inc., New Haven, Conn. Battery. 2,650,946, Sept. 1.
Wind Turbine Company, assignee: *See*—
Weeks, Robert W.
Windahl, Everett R., Lansing, Mich. Shovel control. 2,648,231, Aug. 11.
Windalume Corporation, assignee: *See*—
Klein, Robert L., Maffei, and Kirschstein.
Windemuth, Erwin: *See*—
Gensel, Herbert, and Windemuth.
Windemuth, Erwin, Leverkusen-Bayerwerk, assignor to Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany. Adhesive composition comprising a diisocyanate modified polyester. 2,650,212, Aug. 25.
Winder, Samuel E., West Medway, Mass., assignor of one-half to H. C. Daubenspeck, Massillon, Ohio. Glassware blowhead arrangement. 2,640,298, June 2.
Winders, Rex R.: *See*—
Geist, Alex M., and Winders.
Winders, William D., Columbus, Ohio. Register apparatus for producing manifolded business records. 2,656,198, Oct. 20.
Winders, William D., Columbus, Ohio. Register apparatus for producing manifolded business records. 2,656,199, Oct. 20.
Windiate, Alice R., Santa Ana, Calif. Illuminated flower arrangement. 2,631,409, Mar. 17.
Winding, Charles C.: *See*—
Hawes, Russell J., and Winding.
Windsor, R. H., Limited, assignee: *See*—
Baigent, Keith H.
Windsor, Walter E., Essex, and A. J. Koll, assignors to Bendix Aviation Corporation, Baltimore, Md. Humidity responsive device. 2,651,941, Sept. 15.
Wine, William E., Parker, Va. Brake rigging. 2,657,766, Nov. 3.
Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Loose-leaf calendar hanger. 2,626,816, Jan. 27.
Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Loose-leaf sheet calendar hanger. 2,626,817, Jan. 27.
Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Binder hanger for loose-leaf sheet calendars. 2,626,818, Jan. 27.
Winford, Orion P., assignor to Brown & Bigelow, St. Paul, Minn. Loose-leaf display calendar. 2,626,819, Jan. 27.
Winfree, Robert N., Lynchburg, Va. Manual and automatic valve. 2,658,716, Nov. 10.
Wing, Forrest E., Jr., Tacoma, Wash. Buffing machine. 2,635,394, Apr. 21.
Wing, William A., assignor to Milsco Manufacturing Company, Milwaukee, Wis. Seat back rest support. 2,660,226, Nov. 24.
Wing, Willis G., Roslyn Heights, N. Y., assignor to The Sperry Corporation. Computer. 2,624,505, Jan. 6.
Wing, Willis G., Hempstead, N. Y., assignor to The Sperry Corporation. Stable reference apparatus. 2,631,455, Mar. 17.
Wingblade, Loren M.: *See*—
Weaver, Ruth K., Wingblade, and Thatcher.
Winger, Stover C., Los Angeles, assignor of 15 pe[illegible] to John Flam, Beverly Hills, Calif. Float mech[illegible] for controlling flush tank valves. 2,642,081, Ju[illegible]
Winger, Stover C., Los Angeles, assignor of fifteen pe[illegible] to J. Flam, Beverly Hills, Calif. Selective o[illegible] drive. 2,649,176, Aug. 18.
Wingenroth, Roy L., Pittsburgh, Pa., assignor to [illegible] States Steel Corporation. Lifting boom for ladle [illegible] 2,643,004, June 23.
Wingerter, Robert B.: *See*—
Drapeau, Harold B., and Wingerter.
Winget, James L., White Plains, N. Y., assignor to F[illegible] Optical Co., Inc. Electromagnetic coupling. 2,63[illegible] Apr. 21.
Winget, William A., Lima, Ohio. Tree uprooting [illegible] ment for bulldozers. 2,663,952, Dec. 29.
Wingfoot Corporation, assignee: *See*—
Appleby, Paul E.
Borders, Alvin M.
Brown, Gardner L., and Johnson.
Brown, Gardner L., Johnson, and Kulil.
Burton, Drury R., and Wilson.
Carson, Clarence M.
Chamberlain, Richard K.
Emberson, Keith L.
Fauser, Ernest E.
Field, James E., and Gehman.
Ford, Charles J.
Gates, George H.
Garland, Philip E., Hawley, and Rice.
Gehman, Samuel D.
Gleim, Clyde E.
Goulding, Albert, Jr., and Jukich.
Habeck, Bruce W.
Juve, Robert D.
Karg, Charles A.
Lammertse, Meindert.
Lilley, William F., Snyder, and Stalter.
Mastin, Thomas G., and Seeger.
Merrill, James A.
Miller, Ralph L.
Palko, Andrew J., and Shively.
Phane, Walter J.
Rogers, Thomas H., Jr., and Heineman.
Seeger, Nelson V.
Snyder, James E.
Snyder, James E., and Burton.
Solliday, Raymond E., and Steere.
Sturtevant, Mark J.
Swain, Joseph G.
Swartz, Ruby J., and Snyder.
Taylor, Charles W.
Thompson, Joseph B.
Vaughan, Paul J.
Woodward, Alva W.
Zarth, Charles E.
Wingo, James, Jr., Cambridge, assignor of one-half [illegible] Roche, Brighton, Mass. Power filing [illegible] 2,632,940, Mar. 31.
Wingquist, Sven G., Gothenburg, Sweden. Universa[illegible] 2,640,335, June 2.
Winikoff, Abraham, New York, N. Y. Folding b[illegible] seat combination. 2,656,547, Oct. 27.
Winikoff, Abraham, New York, N. Y. Combined s[illegible] folding bed. 2,663,028, Dec. 22.
Winkel, Herbert C., Watervliet, Mich. Battery gri[illegible] ming machine. 2,638,982, May 19.
Winkel, Victor J., assignor to Laminated Lumber Pr[illegible] Inc., Portland, Oreg. Glue applying apparatus f[illegible] ber gluing machine. 2,642,835, June 23.
Winkelman, Harvey E., and R. E. Hinger, Cl[illegible] Heights, Ohio, assignors to National Cylinder Ga[illegible] pany, Chicago, Ill. Post-mix, multiple outl[illegible] burner. 2,638,159, May 12.
Winkelmann, Erwin, assignee: *See*—
Rohden, Rudolf H.
Winkelmeyer, Robert D., Cincinnati, Ohio, and V. [illegible] terick, assignors to Wade Electric Products Co[illegible] Sturgis, Mich. Apertured panel socket [illegible] 2,638,575, May 12.
Winkler, Albert H., assignor to Bendix Aviation C[illegible] tion, South Bend, Ind. Multiple cylinder intern[illegible] bustion engine. 2,652,038, Sept. 15.
Winkler, Albert H., Elmira, N. Y., assignor to [illegible] Aviation Corporation, South Bend, Ind. Carb[illegible] 2,655,359, Oct. 13.
Winkler, Alvin L., assignor to Acme Steel Compan[illegible] cago, Ill. Coil holder. 2,654,550, Oct. 6.
Winkler, De Loss E.: *See*—
Harman, Denham, and Winkler.
McMillan, Frank M., and Winkler.
Morris, Rupert C., Van Winkle, and Winkler.
Winkler, De Loss E., Orinda, and H. de V. Finch, El [illegible] assignors to Shell Development Company, San Fra[illegible] Calif. Production of phenols. 2,628,985, Feb. 17
Winkler, Marion R., Phoenix, Ariz., assignor to Mo[illegible] Inc., Chicago, Ill. Selective signaling system. 2,6[illegible] Jan. 20.
Winkler, Marion R., La Grange Park, assignor to Mo[illegible] Inc., Chicago, Ill. Indicating switch. 2,6[illegible] Dec. 15.

Winkler, Max, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio. True negative overdraft mechanism for plural totalizers. 2,657,855, Nov. 3.

Winkler, Richard, Rengsdorf, Germany, and M. Dünnebier, deceased, by K. Dünnebier, administrator, Neuwied, Germany, assignors to Baltimore Paper Company, Kansas City, Mo. Device for laterally adjusting webs. 2,640,660, June 2.

Winkler, Robert, assignee: *See*—
Sierer, Payson, and Waterbury.

Winkler, William B., assignor to T. F. Washburn Co., Chicago, Ill. Ester modified polyamide resins. 2,663,649, Dec. 22.

Winkler, William R., Pittsburgh, Pa. Door for darkrooms. 2,662,253, Dec. 15.

Winn, Lewis E., Leaksville, N. C. Flour sifter. 2,642,992, June 23.

Winn, Robert G., Oak Park, assignor to American Decalcomania Company, Inc., Chicago, Ill. Stamping machine. 2,648,453, Aug. 11.

Winn, Welton B., Muleshoe, assignor of one-half to R. L. House, San Antonio, Tex. Electrical service connector. 2,640,667, June 2.

Winneberger, William A., Philadelphia, Pa. Capsule computer and delivery device. 2,664,224, Dec. 29.

Winners, Leonhard H.: *See*—
Müller, Franz, and Winners.

Winning, Amy, assignee: *See*—
Wallace, Leta.

Winona Tool Manufacturing Company, assignee: *See*—
Fugile, Elmer A.

Winquist, Carl V.: *See*—
Sundbom, Carl S., and Winquist.

Winslow, Albert E., Greenville, S. C., assignor to J. P. Stevens & Co., Inc. Drafting frame. 2,624,077, Jan. 6.

Winslow, Albert E., Greenville, S. C., assignor to J. P. Stevens & Co., Inc. Automatic tail winder for yarn packages. 2,638,279, May 12.

Winslow, Arthur E., Andover, Va. Foot and/or footwear protector. 2,657,477, Nov. 3.

Winslow, Charles H., Jr., Florence, and H. S. Williston, Williamsburg, Mass., assignors to The Lambert Company. Making brushes. 2,664,316, Dec. 29.

Winslow, Field H., Springdale, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Silyl aromatic compounds. 2,642,415, June 16.

Winslow, John C., and C. R. Boothby, Toledo, Ohio. Centrifugal governor. 2,639,134, May 19.

Winslow, Raymond M., assignor to Winston and Newell Company, Minneapolis, Minn. Lifting and handling truck for banana bunches. 2,644,598, July 7.

Winslow, Raymond M., assignor to Winston and Newell Company, Minneapolis, Minn. Conveyer for banana bunches. 2,658,610, Nov. 10.

Winslow, Willis M., Wheatridge, assignor to Wefco Inc., Denver, Colo. Field controlled hydraulic device. 2,661,596, Dec. 8.

Winslow, Willis M., Wheatridge, assignor to Wefco Inc., Denver, Colo. High fidelity slip control. 2,661,825, Dec. 8.

Winslow, Willis M., Wheatridge, assignor to Wefco Inc., Denver, Colo. Electric motor with a field responsive fluid clutch. 2,663,809, Dec. 22.

Winsten, Walter A., Forest Hills, assignor to Food Research Laboratories, Inc., Long Island City, N. Y. Derivatives of streptomycin and making them. 2,626,256, Jan. 20.

Winsten, Walter A., Forest Hills, and M. Katz, New York, N. Y., assignors to Schenley Industries, Inc. Antibiotic derivatives of streptomycin. 2,634,264, Apr. 7.

Winsten, Walter A., Forest Hills, N. Y. Stable vitamin B_{12}-containing composition. 2,662,048, Dec. 8.

Winsten, Walter A., Forest Hills, assignor to Food Research Laboratories, Inc., Long Island City, N. Y. N-substituted streptomycylamines. 2,664,417, Dec. 29.

Winsten, Walter A., Forest Hills, assignor to Food Research Laboratories, Inc., Long Island City, N. Y. Production of streptomycylamines. 2,664,418, Dec. 29.

Winston, John M., Washington, Ind. Storm window construction. 2,639,768, May 26.

Winston and Newell Company, assignee: *See*—
Winslow, Raymond M.

Win-Sum Window Corporation, assignee: *See*—
Price, Lester F.

Wintemberg, Adelbert C., Drexel Hill, and G. E. Jones, Lansdowne, Pa., assignors to General Steel Castings Corporation, Granite City, Ill. Railway pilot structure. 2,632,403, Mar. 24.

Winter, David F., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ultrahigh-frequency pulsing system. 2,633,536, Mar. 31.

Winter, David F., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Balanced sweep circuit. 2,646,503, July 21.

Winter, Ernest A., College Park, Ga., assignor to Tennessee Corporation, New York, N. Y. Acidulation of phosphate rock. 2,636,806, Apr. 28.

Winter, John R., Jr., assignor to J. R. Winter, Sr., Detroit, Mich. Rocker arm. 2,631,471, Mar. 17.

Winter, John R., Sr., assignee: *See*—
Winter, John R., Jr.

Winter, Mahlon A., and S. S. Snyder, assignors to Sanitary Tampon Corporation, Chambersburg, Pa. Machine for compressing and assembling tampons. 2,624,078, Jan. 6.

Winter, Mahlon A., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Variable contour cam. 2,633,036, Mar. 31.

Winterbottom, William: *See*—
Dreyfuss, Henry, Winterbottom, and Maier.

Winterburn, George A., Putnam, Conn. Apparatus for maintaining looms out of vibration-reinforcing phase. 2,646,823, July 28.

Wintercorn, Albert, Columbus, Ohio. Roller skate. 2,632,652, Mar. 24.

Wintercorn, Andrew F., Rockford, Ill. Fire safety appliance for application to the outside of windows. 2,647,293, Aug. 4.

Winterfeldt, Arthur F., Montgomery County, Md. Calculating instrument. 2,637,499, May 5.

Winterhalter, James S., Plymouth, Mich., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon fuel oil of lowered pour point. 2,664,388, Dec. 29.

Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Gas cleaning apparatus. 2,634,818, Apr. 14.

Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,654,438, Oct. 6.

Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Liquid washed electrical precipitator. 2,658,582, Nov. 10.

Winterringer, John H., Yakima, Wash. Lubricating system for the periphery of tires on landing gears for airplanes. 2,664,256, Dec. 29.

Winters & Crampton Corporation, assignee: *See*—
Mark, Vennice E., and Anderson.
Nyquist, Arthur.

Winters, Floyd, Monterey, Calif. Apparatus for stacking flat cans. 2,645,328, July 14.

Winters, Frederick W., Beaver, Wis. Tractor front wheel spring suspension assembly. 2,639,165, May 19.

Winters, James C., Glenside, Pa., and R. Kunin, Trenton, N. J., assignors to Rohm & Haas Company, Philadelphia, Pa. Treating sugar solutions with ion-exchange resins. 2,649,390, Aug. 18.

Winters, Marvin J.: *See*—
Stewart, Leonard E., and Winters.

Winters, Russell H., assignor to The Larsen Company, Green Bay, Wis. Filling containers. 2,662,017, Dec. 8.

Wintersteen, Ralph L., Syracuse, assignor to Ivel Construction Corporation, Corona, N. Y. Combined folding display booth and transporting chest. 2,631,915, Mar. 17.

Winther, Anthony: *See*—
Winther, Martin P. and A., and Gill.

Winther, Anthony, Kenosha, Wis., and M. P. Winther, Gates Mills, assignors, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Transmission control system. 2,638,793, May 19.

Winther, Anthony, Kenosha, Wis., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Electromagnetic vibrating contact device and control. 2,651,732, Sept. 8.

Winther, Jerrold B., Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., as trustee. Electronic torque control. 2,625,037, Jan. 13.

Winther, Martin P.: *See*—
Winther, Anthony, and M. P.
Winther, Jerrold B.

Winther, Martin P., Waukegan, Ill., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Electric clutch and brake controlled press. 2,630,467, Mar. 3.

Winther, Martin P., Gates Mills, assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Magnetic fluid clutch with nonconductive surface coating. 2,631,705, Mar. 17.

Winther, Martin P., Gates Mills, assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Band brake. 2,637,415, May 5.

Winther, Martin P., Gates Mills, assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Eddy current mechanism. 2,640,941, June 2.

Winther, Martin P., Gates Mills, Ohio, A. Winther, Kenosha, Wis., and A. S. Gill, Jr., Maple Heights, assignors to Eaton Manufacturing Company, Cleveland, Ohio. Transmission control system. 2,660,071, Nov. 24.

Winthrop-Stearns Inc., assignee: *See*—
Kwartler, Charles E.
Kwartler, Charles E., and Lucas.
Ruddy, Arlo W., and Becker.

Wintle, Thomas D. G.: *See*—
Besag, Ernest, and Wintle.

Winton, James L., Cherry Grove, Oreg. Adjustable telescopic sight mount base. 2,653,386, Sept. 29.

Wintringham, William T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Color television system. 2,657,254, Oct. 27.

Wintringham, William T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Color television system. 2,657,255, Oct. 27.

Wintringham, William T., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Color television system. 2,657,256, Oct. 27.

Winzen, Otto C.: *See*—
Johnson, Kermit F., La Mere, and Winzen.
La Mere, Frank J., Johnson, and Winzen.

Winzer, Godfrey K., Evanston, Ill. Garment hanger. 2,655,296, Oct. 13.

Wiremold Company, The, assignee: *See*—
Rutherford, Charles E.

Wire-O Corporation, assignee: *See*—
Cruzan, Charles C.

Wirkus, Allen J., Fond du Lac, Wis. Toilet tank. 2,648,848, Aug. 18.

Wirth, Armin, Zurich, Switzerland. Weighing machine. 2,656,176, Oct. 20.

Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel feed and power control device for gas turbines. 2,658,566, Nov. 10.

Wirth, Max M.: *See*—
Oldham, Wilfred J., and Wirth.

Wirtz Company, assignee: *See*—
Wirtz, Robert W.

Wirtz, Francis E., and J. M. Klover, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Coil binding machine. 2,635,530, Apr. 21.

Wirtz, Robert W., assignor to Wirtz Company, Peoria, Ill. Photocomposing apparatus. 2,646,731, July 28.

Wirtz, Robert W., assignor to Wirtz Company, Peoria, Ill. Photocomposing mechanism. 2,649,036, Aug. 18.

Wirz A. H., Inc., assignee: *See*—
Lay, John L.

Wisbrun, Walter, Cleveland Heights, Ohio. Prosthesis construction. 2,640,200, June 2.

Wisbrun, Walter, Cleveland Heights, Ohio. Foot-arch support structure. 2,640,282, June 2.

Wisco, Inc., assignee: *See*—
Wisok, Robert S.

Wisconsin Alumni Research Foundation, assignee: *See*—
Daniels, Farrington.
Gaithe, Leon D.
Gold, William.
Heine, Richard W.
Johnson, William S., and Banerjee.
Johnson, William S., and Christiansen.
Johnson, William S., and Turner.
Keitt, George W., Leben, and Strong.
Seidman, Martin, and Link.
Skoog, Folke.
Wilds, Alfred L.
Wurster, Dale E.

Wise, Arthur G.: *See*—
Noodleman, Samuel, and Wise.

Wise, Earl V., Sr., assignor to Wise Potato Chip Company, Berwick, Pa. Apparatus for treating potato chips during cooking. 2,633,793, Apr. 7.

Wise, Edward N.: *See*—
Waikup, Lewis E., and Wise.

Wise, Elmer L., Farmington, Conn., assignor to Underwood Corporation, New York, N. Y. Adjustable crossfooter pickup. 2,626,748, Jan. 27.

Wise, Gary E., assignor to Holdenline Company, Cleveland, Ohio. Fish lure. 2,641,080, June 9.

Wise Potato Chip Co., assignee: *See*—
Makar, John T.
Wise, Earl V., Sr.

Wise, Raleigh J., Arlington, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Phasing and synchronizing device for facsimile machines. 2,630,495, Mar. 3.

Wise, Raleigh J., Arlington, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile apparatus. 2,646,335, July 21.

Wise, Raleigh J., Arlington, and G. H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Optical scanning device. 2,658,940, Nov. 10.

Wise, Ralph H., Wayne, assignor to Ford Motor Company, Dearborn, Mich. Vehicle door lock. 2,624,604, Jan. 6.

Wise, Ralph H., Wayne, assignor to Ford Motor Company, Dearborn, Mich. Door lock. 2,634,149, Apr. 7.

Wise, William M., Detroit, Mich. Load weighing system for lift trucks and the like. 2,643,781, June 30.

Wise, William M., Royal Oak, Mich. Hydraulic lift scale. 2,643,872, June 30.

Wise, William M., Royal Oak, Mich. Hydraulic weighing scale and charging and conditioning the same. 2,643,873, June 30.

Wiseley, Francis M., Los Angeles, Calif. Roller skate. 2,633,364, Mar. 31.

Wiselogle, Frederick Y.: *See*—
Bernstein, Jack, Lott, and Wiselogle.

Wiseman, Adolph D., San Francisco, Calif. Dental brush in elastic base for handpiece. 2,656,559, Oct. 27.

Wiseman, Albert C., Crooksville, Ohio. Bracket with trotline ring. 2,660,972, Dec. 1.

Wiseman, Harlow P., Hermosa Beach, Calif. Device for testing meat tenderness. 2,652,718, Sept. 22.

Wiseman, James V., Westend, Calif., assignor to West End Chemical Company. Evaporating apparatus. 2,640,761, June 2.

Wiseman, James V., Westend, Calif., assignor to West End Chemical Company. Evaporating sodium sulfate solutions and recovering sodium sulfate therefrom. 2,640,762, June 2.

Wiseman, Park A., Muncie, Ind., assignor to The [illegible] Tire & Rubber Company, Akron, Ohio. 1,2,2,3,-chlorobutane. 2,626,965, Jan. 27.

Wiseman, Park A., Muncie, Ind., assignor to T[illegible] stone Tire & Rubber Company, Akron, Oh[illegible] difluorobutadiene preparation and polymers 2,647,110, July 28.

Wiser, Arthur B., Los Angeles, Calif. Tran[illegible] 2,639,629, May 26.

Wiser, Douglas R.: *See*—
Bartlam, Thomas C., Burke, Wiser, and Eng[illegible]

Wiser, Douglas R., T. C. Bartlam, and B. R. Bu[illegible] Angeles, Calif. Pin ball-controlled racin[illegible] 2,624,581, Jan. 6.

Wishart, Frank A., Oakland, Calif. Container 2,624,489, Jan. 6.

Wishart, Herbert W., University City, Mo., as[illegible] Curtiss-Wright Corporation. Hydraulic shut[illegible] 2,642,079, June 16.

Wisherd, Thomas G., assignor, by mesne assign[illegible] Sinclair Oil and Gas Company, Tulsa, Okla. soap-thickened petroleum gels. 2,652,370, Se[illegible]

Wishnefsky, Nathan: *See*—
Othmer, Donald F., Jacobs, and Wishnefsky.

Wishnia, Irving, New York, N. Y. Lady's 2,656,870, Oct. 27.

Wisler, Allen E.: *See*—
Scott, Floyd L., Wisler, and Woods.

Wislicenus, George F.: *See*—
Williams, Robert M., and Wislicenus.

Wislicenus, George F., Baltimore, Md., assignor to Motor Car Company, Detroit, Mich. Cooling o[illegible] bines. 2,640,319, June 2.

Wislicenus, George F., Toledo, Ohio, and P. C. Z[illegible] Upper Montclair, N. J., assignors to Worthing[illegible] poration. Vane generating machine. 2,637,24[illegible]

Wisman, Franklin O., and R. J. Reek, assignors t[illegible] Aviation Corporation, South Bend, Ind. Bru[illegible] for electrical machinery. 2,651,735, Sept. 8.

Wisner, Charles E., assignee: *See*—
Kent, Edward.

Wisner, Joseph K., Jr., San Francisco, Calif. [illegible] playpen. 2,645,789, July 21.

Wisner, William L., assignor of fifty per cent [illegible] MacCready, Albuquerque, N. Mex. Valve spr[illegible] pressor. 2,627,653, Feb. 10.

Wisok, Robert S., assignor to Wisco, Inc., Detro[illegible] Door corner. 2,661,822, Dec. 8.

Wissel, Francis A., assignor to Avco Manufactu[illegible] poration, Cincinnati, Ohio. Plural time con[illegible] cuits for noise immunity. 2,651,675, Sept. 8

Wissel, Francis A., and N. W. Parker, assignors Manufacturing Corporation, Cincinnati, Ohio automatic gain control. 2,636,939, Apr. 28.

Wissmiller, Vernon D., assignor to Minneapol[illegible] well Regulator Company, Minneapolis, Minn. apparatus for steam heating systems. 2,661,90[illegible]

Wistedt, Axel G., Borlange, Sweden. Pin faste[illegible] hinged end. 2,645,833, July 21.

Wister, Harry H. and J. W., and C. B. Davis, Wi[illegible] Calif. Faucet bibb repair handle. 2,654,621

Wister, John W.: *See*—
Wister, Harry H. and J. W., and Davis.

Withall, William E., Hinsdale, assignor to W. [illegible] Inc., Chicago, Ill. Friction shock absorber fo[illegible] car trucks. 2,630,317, Mar. 3.

Withall, William E., Hinsdale, assignor to W. [illegible] Inc., Chicago, Ill. Friction shock absorber fo[illegible] car trucks. 2,641,462, June 9.

Withall, William E., Hinsdale, assignor to W. [illegible] Inc., Chicago, Ill. Friction shock absorbing m[illegible] for railway draft riggings. 2,649,212, Aug.

Withall, William E., Hinsdale, assignor to W. [illegible] Inc., Chicago, Ill. Friction shock absorbing m[illegible] for railway draft riggings. 2,649,213, Aug. 1

Witherell, Robert R., assignor to Eureka Willia[illegible] ration, Bloomington, Ill. Oil burner. 2,658,56[illegible]

Withers, Gilbert W., Atlanta, Ga. Pallet. Apr. 14.

Witherspoon, John F.: *See*—
Arenson, Herbert, and Witherspoon.

Witkowski, Raymond J., Syracuse, N. Y., as[illegible] General Electric Company. Tuning system. Aug. 4.

Witt, Frank, San Francisco, Calif. Ignition cigarettes. 2,644,461, July 7.

Witt, Joseph B., Fairfield, Ill. Fuel pulsation and pressure regulator. 2,633,146, Mar. 31.

Witt, Joshua C., Chicago, Ill. Method of and for clinkering cement raw materials and 2,634,116, Apr. 7.

Witt, Ralph K., W. G. Carson, and B. L. Ras[illegible] more, Md. Producing a bonded structure. Aug. 18.

Witt, Robert M., North Riverside, Ill. Tackle port. 2,631,807, Mar. 17.

Wittall M. J., Associates, Inc., assignee: *Se*[illegible]
Ryan, Walter M.

Wittbecker, Emerson L.: *See*—
Wilkins, John P., and Wittbecker.

Witte, Walter R., Chicago, Ill. Fish scali[illegible] 2,655,689, Oct. 20.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Shutter-governor assembly for motion-picture apparatus. 2,651,965, Sept. 15.

Wittemann Company, Incorporated, The, assignee: *See*—
Craig, Francis A.

Wittenberg, Arthur E., Los Angeles, Calif. Window ventilator. 2,657,624, Nov. 3.

Wittenberg, Edward H., assignor to National Pressure Cooker Company, Eau Claire, Wis. Safety lock for pressure cookers. 2,627,997, Feb. 10.

Wittenberg, Edward H., assignor to National Pressure Cooker Company, Eau Claire, Wis. Filler and cap construction. 2,634,882, Apr. 14.

Wittenberg, Edward H., and A. F. Allen, assignors to National Pressure Cooker Company, Eau Claire, Wis. Pressure indicating and relief valve. 2,633,867, Apr. 7.

Wittenmyer, Carlos, Lebanon, Ohio. Automatic typewriter. 2,633,222, Mar. 31.

Wittenmyer, Carlos, Lebanon, Ohio. Selective circuit maker. 2,633,506, Mar. 31.

Wittenmyer, Carlos, Lebanon, Ohio. Automatic printing apparatus for calculating machines. 2,637,493, May 5.

Witters, Robert F., assignor to Collins Radio Company, Cedar Rapids, Iowa. Electric motor control for shaft positioning systems. 2,662,998, Dec. 15.

Witthoft, Herbert C., Marion, Ind., assignor to Anaconda Wire and Cable Company. Cable vulcanizing support. 2,627,083, Feb. 3.

Wittichen Chemical Company, assignee: *See*—
Mullins, William O.

Wittkuhns, Bruno A., and H. G. D. Nutting, Summit, and G. F. Hill, Madison, N. J., assignors to National Paper Bottle Co. Inc., New York, N. Y. Machine for making paper containers. 2,642,784, June 23.

Wittkuhns, Bruno A., and H. G. D. Nutting, Summit, and G. F. Hill, Madison, N. J., assignors to National Paper Bottle Co. Inc., New York, N. Y. Machine for making paper containers. 2,642,785, June 23.

Wittle, Eugene L.: *See*—
Snell, Esmond E., Wittle, and Moore.

Wittlin, Albert, Chicago, Ill. Liquid flow indicator. 2,624,308, Jan. 6.

Wittmann, Robert A., Chicago, Ill. Magnetic pilot valve. 2,649,114, Aug. 18.

Wittner, Edward E., San Francisco, and R. M. Sherman, Palo Alto, assignors to W. R. Ames Company, San Francisco, Calif. Automatic drain valve for portable irrigation pipes. 2,646,059, July 21.

Wittrien, Herbert P., Glendale, N. Y. Heat protector roof construction for vehicles. 2,629,347, Feb. 24.

Wittry, David B., Green Bay, Wis. Walking submersible toy. 2,656,644, Oct. 27.

Wittstock, Alfred G., Irvington, assignor of fifteen per cent to R. Burdick, Irvington, and twenty-five per cent to H. C. Kern, Newark, N. J. Separable fastener. 2,643,429, June 30.

Wittwer, George G., Chappaqua, assignor to W-B Chemical Company, Inc., Mount Vernon, N. Y. Cleaning composition. 2,625,515, Jan. 13.

Wittwer, Robert: *See*—
Zickendraht, Christian, and Wittwer.

Witty, James C., assignor to The Troy Sunshade Company, Troy, Ohio. Umbrella. 2,651,315, Sept. 8.

Witz, Phillip, Denison, Tex. Loose-leaf binder. 2,637,326, May 5.

Witzel, Ernst, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Single point ignition. 2,645,280, July 14.

Witzel, Frank: *See*—
Merz, Paul L., Witzel, and Burhans.

Witzel, Homer D., assignor to Harris Manufacturing Company, Stockton, Calif. Header mount for sidehill harvesters. 2,656,668, Oct. 27.

Witzky, Julius E., Royal Oak, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,654,357, Oct. 6.

Wix Accessories Corporation, assignee: *See*—
Clabaugh, Milford L.
Wicks, John D.

Wm. Bros Boiler & Manufacturing Co., assignee: *See*—
Butts, Robert L.

Wobbe, Delbert E.: *See*—
Martin, William McK., Pilinik, and Wobbe.

Wobbe, Delbert E., Maywood, Ill., assignor to American Can Company, New York, N. Y. Producing cushion in seams of containers. 2,643,627, June 30.

Wockenfuss, William: *See*—
Leatherman, Clifford C., and Wockenfuss.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Card punch and verifier. 2,625,225, Jan. 13.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Card controlled wire printing and feeding means. 2,648,277, Aug. 11.

Wockenfuss, William, Union, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company. Wire character forming printing machine. 2,653,534, Sept. 29.

Wockenfuss, William, Union, N. J., and H. A. Speh, Roosevelt, N. Y., assignors, by mesne assignments, to Burroughs Adding Machine Company. Statistical card feeding mechanism. 2,632,644, Mar. 24.

Wodarsky, John J., Chicago, Ill., assignor to Superior Sleeprite Corporation. Combination sofa and bed. 2,634,427, Apr. 14.

Wodetzky, Elmer, Lynbrook, assignor to D. J. Silversteln, New York, N. Y. Winding machine. 2,640,653, June 2.

Wodzanowski, Helen, Jersey City, N. J. Reel for clothesline covers. 2,643,074, June 23.

Woebcke, Herman N.: *See*—
Benedict, Manson, Faatz, and Woebcke.

Woelfer, Frank C., assignor to Balcrank, Inc., Cincinnati, Ohio. Lubricant pump. 2,636,441, Apr. 28.

Woelfer, Robert O., Rahway, N. J. Carton opening, filling, and closing mechanism. 2,643,497, June 30.

Woerner, Joseph, assignee: *See*—
Horsley, Margaret T.

Woerner, Rudolph C.: *See*—
Beckberger, La Vern H., and Woerner.
Clouse, Easten R., and Woerner.

Woerner, Rudolph C., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Solvent extraction of asphaltic residues. 2,650,897, Sept. 1.

Woerner, William, Greenbrook, N. J., assignor to Massari Bros. Machine Company, a partnership, trading under the firm name of Wadell Equipment Co., Garwood, N. J. Boring machine spindle construction. 2,642,759, June 23.

Woessner, Carl: *See*—
Gottlieb, Joseph, Woessner, and Eickemeyer.

Woessner, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,641,333, June 9.

Wofford, Custer A., assignor to Engineering Laboratories, Inc., Tulsa, Okla. Subsurface sampler. 2,625,226, Jan. 13.

Wögerbauer, Alfred, Zipf, Oberosterreich, Austria. Electrical butt seam welding or cutting process and apparatus for carrying out said process. 2,647,981, Aug. 4.

Wohler, Leonard A., Bath Township, Summit County, and E. Schmidt, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Amines as gel-shrinkage reducing agents in synthetic-rubber sponge. Re. 23,656, May 12.

Wohler, Stanley A., North Wales, and W. B. Pearce, Ambler, Pa.; said Wohler assignor to said Pearce. Collapsible or folding high chair with a novel seat arrangement for locking. 2,627,300, Feb. 3.

Wohlgemuth, Adolph J., Westfield, N. J. Electric typewriter. 2,643,753, June 30.

Wohlgemuth, Adolph J., Westfield, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Reference-junction compensator for thermocouple pyrometers. 2,662,406, Dec. 15.

Wohlman, Beatrice, New York, N. Y. Maternity girdle. 2,651,778, Sept. 15.

Woina, Benjamin A., Salem, and A. W. Richards, Chagrin Falls, Ohio, assignors to American Fixture and Manufacturing Co., St. Louis, Mo. Ball bearing slide structure for table furniture. 2,649,346, Aug. 18.

Woina, Benjamin A., Salem, and A. W. Richards, Chagrin Falls, Ohio, assignors to American Fixture and Manufacturing Co., St. Louis, Mo. Lock mechanism for extension slide tables. 2,661,257, Dec. 1.

Woistmann, Edwin N.: *See*—
Bitzer, Jack A., and Woistmann.

Woiwode, Karl: *See*—
Loeffler, Fritz, and Woiwode.

Wojcik, Bernard F., Chicago, Ill. Comparator. 2,663,946, Dec. 29.

Wojcik, Walter A., and M. Yetsko, Detroit, Mich. Alarm-initiating device for automobiles. 2,649,516, Aug. 18.

Wojtowicz, Wesley J.: *See*—
Montgomery, Harley A., and Wojtowicz.

Wolbarst, John, New York, N. Y. Double alarm mechanism. 2,652,682, Sept. 22.

Wolcott, Glenn W., assignor to Penn Aircraft Products, Inc., Dayton, Ohio. Flaring tool. 2,662,575, Dec. 15.

Wolcott, Harold, Burlingame, Calif. Vented fluid dispensing container. 2,637,470, May 5.

Wold, Clarence H., Boise, Idaho. Towel and similar article hanger. 2,656,043, Oct. 20.

Wold, Russell L., Lihue, Kauai, Hawaii. Irrigation flume outlet. 2,656,682, Oct. 27.

Woleslagle, Arnold, Geneseo, N. Y. Chain saw guard. 2,638,944, May 19.

Wolf, Alfred, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Method and apparatus for recording dip of geological strata. 2,661,464, Dec. 1.

Wolf, Andrew, assignor to M. I. Wolf, Cleveland, Ohio. Nursing appliance. 2,655,279, Oct. 13.

Wolf, Anthony S., Pittsburgh, and C. J. Zigan, Etna, assignors to Blaw-Knox Company, Pittsburgh, Pa. Flexible form for integral concrete curbs and gutters. 2,626,444, Jan. 27.

Wolf Brothers, Inc., assignee: *See*—
Blizard, Walter S.

Wolf, Calvin N.: *See*—
Ligett, Waldo B., Closson, and Wolf.
Ligett, Waldo B., Wolf, and Closson.

Wolf, Cecil R., Rock Falls, assignor to Frantz Manufacturing Co., Sterling, Ill. Overhead door structure. 2,643,714, June 30.

Wolf, Cecil R., Rock Falls, assignor to Frantz Manufacturing Co., Sterling, Ill. Overhead door structure. 2,661,799, Dec. 8.

Wolf, Edward, Cuyahoga Falls, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Friction taxi lock for airplane cross-wind main landing wheels. 2,629,571, Feb. 24.

Wolf, Edward, Cuyahoga Falls, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Multiposition caster lock for airplane cross-wind main landing wheels. 2,656,995, Oct. 27.

Wolf Electric Tools Limited, assignee: *See*—
Gubbins, Charles H.

Wolf, Eugene H.: *See*—
Spurlino, Pascal, Kibler, Moser, and Wolf.

Wolf, Frederick W., Chicago, Ill. Traction wheel drive for automobiles. 2,656,001, Oct. 20.

Wolf, George S.: *See*—
Fahey, Edward W., and Wolf.

Wolf, Hanley W., Detroit, Mich. Method of and apparatus for billing and inventoring stock. 2,627,224, Feb. 3.

Wolf, Jacob J., Jr., New Orleans, La. Reflex camera with a picture strip moving transversely across the camera box. 2,647,449, Aug. 4.

Wolf, Jacques, & Co., assignee: *See*—
Dawson, William O., and Sellet.

Wolf, James M., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Broad band coupler. 2,624,802, Jan. 6.

Wolf, Joseph, Los Angeles, Calif. Mounting for campaign ribbons and medals. 2,625,757, Jan. 20.

Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Rotary hydraulic coupling. 2,625,014, Jan. 13.

Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Power transmission. 2,627,763, Feb. 10.

Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Cam operated clutch with spring loading. 2,639,015, May 19.

Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Winding mechanism. 2,658,692, Nov. 10.

Wolf, Lloyd J., assignor to Twin Disc Clutch Company, Racine, Wis. Winding mechanism. 2,658,693, Nov. 10.

Wolf, Louis L.: *See*—
Grinde, George H., and Wolf.

Wolf, Mary I., assignee: *See*—
Wolf, Andrew.

Wolf, Michael J., and A. F. Fitton, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Apparatus for conducting histochemical reactions. 2,637,632, May 5.

Wolf, Milton: *See*—
Frisch, Kurt C., and Wolf.

Wolf, Paul A.: *See*—
Moyle, Clarence L., and Wolf.

Wolf, Robert J., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inherently processable interpolymer of vinyl chloride, vinyl acetate, and 2-ethylhexyl acrylate. 2,636,024, Apr. 21.

Wolf, Robert W., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Latch and interlock. 2,659,782, Nov. 17.

Wolf, Ruth, New York, N. Y. Cushioned eyeglass case. 2,650,700, Sept. 1.

Wolf, Ruth, New York, N. Y. Nonslip garment hanger. 2,652,957, Sept. 22.

Wolf, Samuel, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,660,640, Nov. 24.

Wolf, Wallace P., New York, N. Y. Sediment stirrer. 2,631,826, Mar. 17.

Wolf, Walter A., assignor to Switches, Inc., Logansport, Ind. Automatic starter for internal-combustion engines. 2,663,804, Dec. 22.

Wolf, Walter M.: *See*—
Reicheneder, William J., Miller, and Wolf.

Wolfard, Merl R., Cambridge, Mass. Flexible strut. 2,634,122, Apr. 7.

Wolfard, Merl R., Cambridge, Mass. Stabilized beam construction. 2,637,421, May 5.

Wolfe, Albert E., Jr., Compton, Calif., assignor, by mesne assignments, to Computer Research Corporation of California. Synchronizing generator. 2,644,887, July 7.

Wolfe, Bernard J.: *See*—
Mayo, Clyde R., and Wolfe.

Wolfe, Charles M., Glendora, and J. E. Miller, Altadena, Calif., assignors, by mesne assignments, to Aerojet-General Corporation, Cincinnati, Ohio. Pressure pickup. 2,641,742, June 9.

Wolfe, Charles M., Glendora, Q. M. Shultise, Pasadena, and C. W. Grow, Sierra Madre, Calif., assignors, by mesne assignments, to Aerojet-General Corporation, Cincinnati, Ohio. Pressure measuring device. 2,655,043, Oct. 13.

Wolfe, Charles V., Indianapolis, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Saw with planer tooth. 2,657,720, Nov. 3.

Wolfe, Ethel F., Chicago, Ill. Cigarette or cigar rest. 2,652,838, Sept. 22.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Hose support for dispensing pumps. 2,624,616, Jan. 6.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Mounting means for liquid dispensing device auxiliaries. 2,631,754, Mar. 17.

Wolfe, H. Hix, and E. W. Haas, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio. Pump. 2,631,539, Mar. 17.

Wolfe, H. Hix, and E. W. Haas, assignors to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Pressure switch. 2,657,289, Oct. 27.

Wolfe, Harold D.: *See*—
Albrecht, Fritz, and Wolfe.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Draft attachment. 2,638,233, May 12.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler yoke and draft gear assembly. 2,645,361, July 14.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Coupler. 2,646,176, July 21.

Wolfe, Howard, Harrington Park, assignor to Voices, Inc., Bayonne, N. J. Sound producing doll. 2,653,412, Sept. 29.

Wolfe, John K., Bethesda, Md., and K. L. Temple, Washington, D. C. Preparation of amine nitrites. 2,635,116, Apr. 14.

Wolfe, John W., assignee: *See*—
Armstrong, David T.

Wolfe, Kenneth B., Willoughby, Ohio. Artificial breathing machine. 2,629,227, Feb. 24.

Wolfe, Ralph A., Wichita, Kans. Action for upright pianos. 2,657,608, Nov. 3.

Wolfe, Robert W., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,635,478, Apr. 21.

Wolfe, Thomas, Pasadena, Calif. Steering wheel mounted holder. 2,661,222, Dec. 1.

Wolfe, William E., Anderson, Ind. Door latch. 2,627,433, Feb. 3.

Wolff, Ernst, Bochum-Linden, Germany. Coke oven door frame. 2,658,865, Nov. 10.

Wolff, Heinz S., Oxford, and M. G. Story, and D. J. Behrens, Strand, London, assignors to The National Research Development Corporation, London, England. Apparatus for counting microscopic particles. 2,661,902, Dec. 8.

Wolff, Ivan A.: *See*—
Davis, Howard A., Wolff, and Cluskey.

Wolff, Marie, Tulsa, Okla. Brassière. 2,657,386, Nov. 3.

Wolff, Otto E.: *See*—
Bachelder, Albert J., and Wolff.

Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Sealed photographic film roll. 2,630,385, Mar. 3.

Wolff, Otto E., Cambridge, and M. N. Fairbank, Belmont, assignors to Polaroid Corporation, Cambridge, Mass. Photographic product for carrying out a one-step photographic process. 2,644,755, July 7.

Wolff, Paul A.: *See*—
Hayward, John T., and Wolff.

Wolff, Paul H. W.: *See*—
Brownhill, Frank D., and Wolff.
Hughes, John O. P., and Wolff.

Wolff, William F., Park Forest, Ill., and C. E. Johnson, Griffith, Ind., assignors to Standard Oil Company, Chicago, Ill. Extraction of sulfur compounds with thioisulfonic esters. 2,664,385, Dec. 29.

Wolford, Charles E., Seattle, Wash., assignor of 50 per cent to E. Faulkner, Farmington, Mo. Blind drape and curtain rod holder. 2,661,922, Dec. 8.

Wolford, William O., assignor to Kelite Products, Inc., Los Angeles, Calif. Fuel safety shutoff. 2,624,350, Jan. 6.

Wolfram, William S.: *See*—
Kelley, Oliver K., and Wolfram.

Wolfrom, Thomas E., assignee: *See*—
Cochrane, Robert J.

Wolfskill, John M., Erie, Pa. Piezoelectric crystal lapping apparatus. 2,634,558, Apr. 14.

Wolfskill, John M., Erie, Pa. Piezoelectric crystal apparatus. 2,635,199, Apr. 14.

Wolfson, Henry: *See*—
Jacobsen, Bent B., Daly, Thomas, Wolfson, Shepard, and Green.

Wolgamott, Charles G.: *See*—
Overman, Horace W., and Wolgamott.

Wolk, Bernard: *See*—
Jacobs, Harold, Hees, and Wolk.

Wolk, Joseph, Trumbull, Conn. Glare shield for rear vision automobile mirrors. 2,637,246, May 5.

Wolke, Berndt S., Oskarshamn, assignor to Aktiebolaget Wicanders Korkfabriker, Linkoping, Sweden. Method and apparatus for mixing beverages. 2,657,023, Oct. 27.

Woll, Edward, Wenham, Mass., assignor to General Electric Company. Cooling means for variable area nozzles. 2,630,673, Mar. 10.

Wollard, Joseph C., Miami, and A. H. Sexton, North Miami Beach, Fla. Expansible mold for casting concrete fence posts. 2,662,262, Dec. 15.

Wollensak Optical Company, assignee: *See*—
Pirwitz, Friedrich A. and G. P., Sutton, and Schlueter
Pirwitz, Gustave P.

Wollentin, Robert W.: *See*—
Nagy, Rudolph, and Wollentin.

Wollentin, Robert W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Zinc borate phosphor and making same. 2,631,133, Mar. 10.

Woller, Charles F.: *See*—
Glass, John, Jr., Heath, and Woller.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Sofa berth suspension and locking mechanism. 2,634,433, Apr. 14.

Woller, Edward E., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Retractable panel for sofa berths. 2,637,856, May 12.

Woller, Edward E., assignor to Simons Company, Kenosha, Wis. Chair bed. 2,656,877, Oct. 27.

Wollin, Morey E., Harrisburg, Pa. Rotary bearing construction. 2,652,295, Sept. 15.

Wollmer, Roger E.: *See*—
Loock, Gerald H., and Wollmer.

Wolman, Abel, and W. A. Hazlett, Baltimore, Md. Sanitary waste treatment and disposal for vehicles. 2,658,202, Nov. 10.

Wolnak, Bernard: *See*—
Miner, Carl S., Jr., and Wolnak.

Wolofski, Nicholas, assignor to The Murray Corporation of America, Detroit, Mich. Preformed zigzag spring. 2,631,029, Mar. 10.

Wolowitz, William H., Washington, D. C. Record card with selective conductive marks. 2,634,911, Apr. 14.

Wolsey Limited, assignee: *See*—
Lomax, William, and Smith.

Wolter, Ernst J., Chicago, Ill. Combined candelabra and flower holder. 2,635,178, Apr. 14.

Wolter, Frederick J.: *See*—
Iler, Ralph K., and Wolter.
Iller, Ralph K., and Wolter.

Wolter, S. H., assignee: *See*—
Reilly, John F.

Wolverine Shoe & Tanning Corporation, assignee: *See*—
Runnells, David L., Jr., and Burch.

Wolverton, Marcine P.: *See*—
Durant, Lyndon A., and Wolverton.

Womack, Bryan W., Fort Worth, Tex. Removing spines from cacti. 2,630,123, Mar. 3.

Womack, Sherman E.: *See*—
Hobbs, John W., Woodcock, and Womack.

Wong, George L., Oakland, Calif. Fisherman's lounging seat. 2,645,275, July 14.

Wons, Herman A., Albert Lea, Minn., assignor to Universal Milking Machine Division, Waukesha, Wis. Liquid weighing and dispensing vessel. 2,639,840, May 26.

Woo, Sally E., Stockton, Calif. Display cabinet. 2,628,877, Feb. 17.

Woock, Herbert J., Alhambra, Calif. Means and method of feeding to impact crushers. 2,657,864, Nov. 3.

Woock, Herbert J., Arcadia, Calif. Tapping machine. 2,637,052, May 5.

Woock, Walter R. J., assignor to Plastaket Manufacturing Company, Lodi, Calif. Shipping basket and cover therefor. 2,649,991, Aug. 25.

Wood, Alfred G., Ramsey, C. J. Laval, Tenafly, John Callaghan, Laurelton, N. J., E. A. Wahl, Garden City, N. Y., M. A. Greulich, Bellville, and Wilhelm Boehl, Union, assignors to P. Ballantine & Sons, Newark, N. J. Crown marking apparatus. 2,636,434, Apr. 28.

Wood, Allen E., Otis, Colo. Brooder structure. 2,628,590, Feb. 17.

Wood, Arthur F.: *See*—
Fetter, William G., Wood, and Holt.

Wood Bros. Inc., assignee: *See*—
Beasley, Donald L.

Wood, Bryan S.: *See*—
Moore, John D., and Wood.

Wood, C. Stanley, executor: *See*—
Jensen, Joseph M.

Wood, Carlos C.: *See*—
Croshere, Austin B., Jr., Kleinhans, and Wood.

Wood, Charles J., Evergreen Park, assignor to Superior Rubber Mfg. Co., Chicago, Ill. Mat. 2,635,307, Apr. 21.

Wood, Clinton W.: *See*—
Berford, Robert F. W., and Wood.

Wood, Clyde W., Pasadena, Calif. Dump wagon. 2,663,231, Dec. 22.

Wood Conversion Company, assignee: *See*—
Crewson, Allen M.
Duvall, Thure C.

Wood, Daniel W., Akron, Ohio. Toy drill. 2,627,698, Feb. 10.

Wood, David H., B. Green, and H. J. Roe, Knowle, England. Closure device for feed chambers for finely divided materials. 2,654,924, Oct. 13.

Wood, Davis M., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Lubricating means. 2,649,929, Aug. 25.

Wood, Delos R., St. Paul, Minn. Vacuum floor tool. 2,659,925, Nov. 24.

Wood, Ernest A., assignor to Hogg & Mitchell Limited, Manchester, England. Curving cellulose collar blanks by differential shrinking with chemical shrinking agents. 2,647,036, July 28.

Wood, Frank J., New Rochelle, assignor to E. Loewy, New York, N. Y. Rolling mill control. 2,629,272, Feb. 24.

Wood, Frank J., New Rochelle, assignor to E. Loewy, New York, N. Y. Rolling mill. 2,634,635, Apr. 14.

Wood, Frank M., Jr., Fort Worth, Tex. Color television receiving system. 2,660,612, Nov. 24.

Wood, Frank T., Barbados, British West Indies, Dough rolling apparatus. 2,650,552, Sept. 1.

Wood, Fred O., St. Louis, Mo. Bulldozer. 2,649,794, Aug. 25.

Wood, Gar, Industries, Inc., assignee: *See*—
Bennett, Robert N.
Dale, Elmer O.

Wood, George, assignor to Vickers-Armstrongs Limited, London, England. Reversible propeller. 2,642,946, June 23.

Wood, George B., Jr., assignor to American Bosch Corporation, Springfield, Mass. Fuel injection device. 2,639,193, May 19.

Wood, Glenn D., assignor to Posture Research Institute, Inc., Elkhart, Ind. Seat post construction for chairs. 2,652,272, Sept. 15.

Wood, Glenn D., assignor to Posture Research Institute, Inc., Elkhart, Ind. Auxiliary seat for automobiles and the like. 2,663,359, Dec. 22.

Wood, Harold R., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Safety device for record feeding controls. 2,627,964, Feb. 10.

Wood, Harvey W., Ossining, assignor to Cambridge Instrument Company, Inc., New York, N. Y. Electrocardiograph. 2,655,425, Oct. 13.

Wood, Homer J., Sherman Oaks, assignor to The Garrett Corporation, Los Angeles, Calif. Pneumatic engine starter device. 2,625,047, Jan. 13.

Wood, Homer J., Sherman Oaks, assignor to The Garrett Corporation, Los Angeles, Calif. Variable ratio friction drive. 2,642,749, June 23.

Wood, Homer J., Sherman Oaks, assignor to The Garrett Corporation, Los Angeles, Calif. Gas turbine auxiliary power plant. 2,648,491, Aug. 11.

Wood, Homer J., Sherman Oaks, assignor to The Garrett Corporation, Los Angeles, Calif. Compressor and drive. 2,659,247, Nov. 17.

Wood, James E., assignor to Santay Corporation, Chicago, Ill. Plug type lighter. 2,637,799, May 5.

Wood, James R., assignor to Harris-Seybold Company, Cleveland, Ohio. Reversing drive mechanism. 2,659,237, Nov. 17.

Wood, James R., Cleveland, and H. J. Seel, Beachwood, assignors to Harris-Seybold Company, Cleveland, Ohio. Sheet delivery mechanism. 2,631,038, Mar. 10.

Wood, Joseph D., Strafford Village, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Air operated circuit breaker. 2,660,635, Nov. 24.

Wood, Joseph D., Strafford Village, Teddyffrin Township, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Cascaded breaker system. 2,648,803, Aug. 11.

Wood, Joseph D., Upper Darby, assignor to I T E Circuit Breaker Company, Philadelphia, Pa. High-voltage circuit breaker. 2,625,628, Jan. 13.

Wood, Joseph D., Upper Darby, and A. S. Caswell, assignors to I. T. E. Circuit Breaker Company, Philadelphia, Pa. High-voltage circuit breaker. 2,646,481, July 21.

Wood, Joseph D., Upper Darby, and A. S. Caswell, assignors to I. T. E. Circuit Breaker Company, Philadelphia, Pa. High-voltage circuit breaker. 2,646,482, July 21.

Wood, Joseph D., Upper Darby, and A. S. Caswell, assignors to I. T. E. Circuit Breaker Company, Philadelphia, Pa. High-voltage circuit breaker. 2,647,972, Aug. 4.

Wood, Joseph E., Toronto, Ontario, Canada. Folding ironing board. 2,651,861, Sept. 15.

Wood, Joseph K., assignor to General Spring Corporation, New York, N. Y. Spring device. 2,643,109, June 23.

Wood, John B., Birmingham, Ala. Leaf rake. 2,632,902, Mar. 31.

Wood, John G., Birmingham, and A. V. Jackson, assignors to General Motors Corporation, Detroit, Mich. Valve. 2,627,259, Feb. 3.

Wood, Kermit P., Berkeley, Calif. Combination basket strainer and stopper. 2,643,394, June 30.

Wood, Louvan E., Glenarm, assignor to Bendix Aviation Corporation, Baltimore, Md. Outdoor instrument shelter. 2,652,722, Sept. 22.

Wood, Louvan E., Glen Arm, and V. D. Hauck, Towson, assignors to Bendix Aviation Corporation, Baltimore, Md. Apparatus for measuring and recording the direction and velocity of wind. 2,648,980, Aug. 18.

Wood, Manson E.: *See*—
Casey, Francis B., Woodcock, and Wood.

Wood, Marion L., Highland, assignor to International Business Machines Corporation, New York, N. Y. Counter circuits. 2,628,310, Feb. 10.

Wood, Marion L., Highland, assignor to International Business Machines Corporation, New York, N. Y. Semiconductor trigger circuit. 2,651,728, Sept. 8.

Wood Newspaper Machinery Corporation, assignee: *See*—
Ricards, Charles L., Tornberg, and Tollison.
Tollison, Paul L.

Wood, Phil, Industries Limited, assignee: *See*—
Berford, Robert F. W., and Wood.

Wood, R. C., assignee: *See*—
Ewing, Albert L.

Wood, Robert E.: *See*—
Arey, William F., Jr., and Wood.

Wood, Robert S., Elizabeth, N. J., assignor to Standard Oil Development Company. Liquid-liquid extraction tower. 2,645,565, July 14.

Wood, Robert W.: *See*—
Nels, Harry B., and Wood.

Wood, Russell A., South Milwaukee, assignor to McGraw Electric Company, Milwaukee, Wis. Electrical discharge device. 2,650,323, Aug. 25.

Wood, Russell J., South Sudbury, Mass. Paper-holding attachment for drafting boards. 2,627,696, Feb. 10.

Wood, Stuart G., assignor to Rockford Wire Stripper Co., Rockford, Ill. Wire stripper. 2,659,254, Nov. 17.

Wood, Vollmer V., Los Angeles, and E. B. Bigué, Beverly Hills, assignors to Pioneer Development Co., Los Angeles, Calif. Folding and stacking machine. 2,645,476, July 14.

Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Gear pump. 2,659,314, Nov. 17.

Wood, Walter A., Oak Park, Ill. Dual pump. 2,635,545, Apr. 21.

Wood, Wayne A., assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for closing cartons while the cartons are being translated. 2,625,778, Jan. 20.

Wood, Wayne A., assignor to Sutherland Paper Company, Kalamazoo, Mich. Machine for printing erected cartons. 2,631,528, Mar. 17.

Wood, Weldon A., Nampa, Idaho. Open end ratchet wrench. 2,636,411, Apr. 28.

Wood, Wilbur W., Middlebury, Ind., assignor to Penn Controls, Inc. Water regulator valve. 2,625,171, Jan. 13.

Wood, William H., Mantua, assignor to Harris-Seybold Company, Cleveland, Ohio. Lithograph-plate preparation. 2,645,578, July 14.

Wood, William H., Mantua, and D. N. Adams, Lakewood, assignors to Harris-Seybold Company, Cleveland, Ohio. Printing plate preparation. 2,663,639, Dec. 22.

Wood, William H., Jr., Seymour, Conn. Magnetic drilling and tapping alignment jig. 2,661,641, Dec. 8.

Wood, William M., Jonesville, Va. Bucket. 2,628,121, Feb. 10.

Wood, William W., Jr., Fenton, N. Y., assignor to the United States of America as represented by the Secretary of the Air Force. Scoring system. 2,646,119, July 21.

Wood, William W., Jr., Fenton, and L. E. Lundquist, Jr., Binghamton, N. Y., assignors to the United States of America as represented by the Secretary of the Air Force. System for measuring and recording the forces acting on airplane controls and the like. 2,663,187, Dec. 22.

Woodall, Carl, South Gate, Calif. Artificial limb. 2,629,105, Feb. 24.

Woodall Industries, Inc., assignee: *See*—
Burns, Earl A.
Greig, James W.

Woodard, Walter A., Cottage Grove, Oreg. Conveyer for moving trucks over tracks. 2,636,446, Apr. 28.

Woodberry, Norman T.: *See*—
Dixon, James K., and Woodberry.

Woodburn, Joseph J., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Foldable backguard for electric ranges. 2,649,531, Aug. 18.

Woodbury, Glen P., Reading, Mass. Frame for photographs and pictures. 2,663,105, Dec. 22.

Woodbury, Robert L.: *See*—
Miller, Cornell M., and Woodbury.

Woodbury, Roger B., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Circuit for neutralization of frequency divider chains. 2,638,549, May 12.

Woodcock, Charles A.: *See*—
Hobbs, John W., Woodcock, and Womack.

Woodcock, Robert R.: *See*—
Casey, Francis B., Woodcock, and Wood.

Woodfield, Thomas H.: *See*—
Morton, Cecil J., Riddle, and Woodfield.

Woodford Hydrant Company, assignee: *See*—
Noland, Wayne B.

Woodhams, Walter J., assignor to Woodlin Metal Products Company, Marshall, Mich. Window construction. 2,633,612, Apr. 7.

Woodhams, Walter J., assignor to Woodlin Metal Products Company, Marshall, Mich. Latching assembly for windows, and the like. 2,663,587, Dec. 22.

Woodhead, Frank, Collingdale, Pa. Safety fishhook holder. 2,629,200, Feb. 24.

Woodhull, Elliot H.: *See*—
Caldwell, William I., and Woodhull.

Woodhull, Elliot H., assignor to Taylor Instrument Companies, Rochester, N. Y. Pneumatically-operated control instrument with follow-up. 2,638,874, May 19.

Woodhull, Elliot H., assignor to Taylor Instrument Companies, Rochester, N. Y. Pneumatically operated control system. 2,638,920, May 19.

Woodin, Walter F., Laurens, Iowa. Tractor seat mount. 2,638,965, May 19.

Wooding, William M., Springdale, and T. J. Suen, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Water-repellent nonfibrous cellulosic material and preparing same. 2,646,368, July 21.

Woodington, John N.: *See*—
Bronstien, Edward L., and Woodington.

Woodley, Fred E.: *See*—
Brubaker, Damon P., and Woodley.

Woodley, Ruby G., Paducah, Tex. Folding table and seat combination. 2,631,653, Mar. 17.

Woodlin Metal Products Company, assignee: *See*—
Woodhams, Walter J.

Woodling, George V., Cleveland, Ohio. Tube coupling. 2,644,700, July 7.

Woodling, George V., Cleveland, Ohio. Flareless sleeve connector having forward contractible ring end portion and rearward spring fingers. 2,657,077, Oct. 27.

Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for applying pressure to shoe bottoms. 2,651,064, Sept. 8.

Woodman, Charles K., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad box. 2,656,553, Oct. 27.

Woodman, Frank W., Maplewood, La., assignor to Columbia-Southern Chemical Corporation. Package. 2,637,441, May 5.

Woodman, John F., Feasterville, assignor to Rohm & Haas Company, Philadelphia, Pa. Polymerization by glow-discharge electrolysis. 2,632,729, Mar. 24.

Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water heater apparatus. 2,649,532, Aug. 18.

Woodring, William B., Hamden, Conn., assignor to Olin Industries, Inc. Dry cell. 2,632,781, Mar. 24.

Woodruff, Ben H., Chicago, Ill. Control of electrical supply for dental apparatus. 2,650,990, Sept. 1.

Woodruff, Eugene H., assignor to The Upjohn Company, Kalamazoo, Mich. 1-pyrrolidyl esters. 2,655,511, Oct. 13.

Woodruff, George M., and H. Heitlage, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Container opening and positioning machine. 2,651,896, Sept. 15.

Woodruff, Harold B.: *See*—
McDaniel, Lloyd E., and Woodruff.

Woodruff, Henry P.: *See*—
Misener, Richard E., Abbott, Clarke, and Woodruff.

Woodruff, John H.: *See*—
O'Brien, Richard S., and Woodruff.

Woodruff, Lee B., Los Angeles, J. D. Alcorn, South Pasadena, and H. B. Hammerstrom, Los Angeles, Calif. Aspirator. 2,642,813, June 23.

Woodruff, Stewart J.: *See*—
Welker, Paul L., Boddington, and Woodruff.

Woodruff, Thomas D.: *See*—
McElhinney, Thomas R., and Woodruff.

Woodruff, Thomas E., Redondo Beach, Calif., assignor to General Electric Company. Linear sawtooth generator. 2,661,420, Dec. 1.

Woods, Charles A., Jr., and C. C. Sterrett, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current transformer. 2,640,103, May 26.

Woods, Ernest C., Omaha, Nebr. Muffler with a hemispherical outer wall having a plurality of apertures of various sizes and shapes. 2,654,437, Oct. 6.

Woods, Frank S.: *See*—
MacQuarrie, Fred L., and Woods.

Woods, Fred D., Glencoe, assignor to Autopoint Company, Chicago, Ill. Fountain pen with cartridge barrel. 2,638,873, May 19.

Woods, Harold A., and J. A. Edgar, Martinez, assignors to Shell Development Company, San Francisco, Calif. Grease composition. 2,629,694, Feb. 24.

Woods, Harold A., and L. C. Bollinger, Martinez, assignors to Shell Development Company, Emeryville, Calif. Grease compositions. 2,652,361, Sept. 15.

Woods, Harold A., Martinez, and R. C. Jones, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Grease composition. 2,652,362, Sept. 15.

Woods, Harold A., and L. C. Bollinger, Martinez, assignors to Shell Development Company, Emeryville, Calif. Grease compositions. 2,652,363, Sept. 15.

Woods, Harold A., and L. C. Bollinger, Martinez, assignors to Shell Development Company, Emeryville, Calif. High-temperature grease compositions. 2,652,364, Sept. 15.

Woods, Henry B.: *See*—
Scott, Floyd L., Wisler, and Woods.

Woods, Henry B., assignor to Hughes Tool Company, Houston, Tex. Roller cutter bit with fluid flushed bearing. 2,661,932, Dec. 8.

Woods, Holland O., Ann Arbor, Mich. Distributor breaker plate. 2,632,818, Mar. 24.

Woods, John B.: *See*—
Dempsey, Oscar E., and Woods.

Woods, John E., Cohasset, assignor to Standard-Thomson Corporation, Boston, Mass. Refrigerating apparatus. 2,636,357, Apr. 28.

Woods, John E., Cohasset, assignor to Standard-Thomson Corporation, Boston, Mass. System for controlling flow of circulating liquid. 2,656,114, Oct. 20.

Woods, John E., Cohasset, and J. J. McMahon, Lowell, assignors, by mesne assignments, to Standard-Thomson Corporation, Boston, Mass. Making perforated plate. 2,633,630, Apr. 7.

Woods, John P., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Apparatus for electrically logging boreholes. 2,626,979, Jan. 27.

Woods, John P., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Apparatus for underwater seismic operations. 2,627,930, Feb. 10.

Woods, John P., Dallas, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Shot hole array for eliminating horizontally traveling waves. 2,642,146, June 16.

Woods, John P., Dallas, Tex., assignor to the United States of America as represented by the Secretary of War. Mechanical tuning device. 2,658,393, Nov. 10.

Woods, Lowell C., Greenfield, Ohio. Fence guide for mowers. 2,643,504, June 30.

Woods, Robert A.: *See*—
McGowan, Kenneth J. J., and Woods.

Woods, Robert M., Skokie, Ill. Cake baking and tenderizing process. 2,649,379, Aug. 18.

Woods, Stephen E., Bristol, and B. G. Perry, Westbury-on-Trym, Bristol, assignors to The National Smelting Company Limited, London, England. Production of zinc. 2,644,312, July 7.

Woodside, Albert L.: *See*—
Woodside, Charles E., Smith, Woodside, and Armstrong.

Woodside, Charles E., Spokane, and W. R. Smith, Colfax, Wash., A. L. Woodside, Butte, Mont., and Z. A. Armstrong, Spokane, Wash. Electric outlet socket. 2,637,790, May 5.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Combination water inlet and soap dispenser for washing machines. 2,643,537, June 30.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Drive mechanism for washing machines and the like. 2,657,783, Nov. 3.

Woodstock, Willard H., Crete, Ill., assignor to Victor Chemical Works. Manganous ferrous phosphate composition. 2,657,992, Nov. 3.

Woodstock, Willard H., Crete, and T. M. Beck, Homewood, Ill., assignors to Victor Chemical Works. Reaction products of an octyl acid pyrophosphate and soyamine and lubricants containing the same. 2,664,400, Dec. 29.

Woodsworth, Leland A., Roxbury, Mass. Safety seat for vehicles. 2,660,222, Nov. 24.

Woodward, Alva W., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Wheel, rim, and combination. 2,633,388, Mar. 31.

Woodward, Ann F., New York, N. Y. Curtain bracket. 2,653,718, Sept. 29.

Woodward, Clarence M., Washington, D. C. Door latch. 2,627,434, Feb. 3.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Housing for electric switches and the like. 2,627,359, Feb. 3.

Woodward, Clement A., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Housing for electrical devices and the like. 2,648,549, Aug. 11.

Woodward Governor Company, assignee: *See*—
Parker, George E.
Sorensen, George E.
Whitehead, Willard J., and Parker.

Woodward Iron Company, assignee: *See*—
Casey, J. B., and Smitherman.

Woodward, J. Guy, Princeton, N. J., assignor to Radio Corporation of America. Dynastat volume control. 2,631,202, Mar. 10.

Woodward, James M., assignor to Eureka Rubber Co. (North) Limited, Johannesburg, Transvaal, Union of South Africa. Limb protector or guard. 2,640,989, June 9.

Woodward, James S., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Hydraulic control apparatus for internal-combustion engines and variable pitch propellers. 2,638,993, May 19.

Woodward, Joseph H., Miami, Fla. Air circulator. 2,650,755, Sept. 1.

Woodward Lumber Company, Inc., assignee: *See*—
Woodward, Sherrill W.

Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Transmission line measuring apparatus. 2,630,473, Mar. 3.

Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Means for measuring impedance at radio frequencies. 2,630,475, Mar. 3.

Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Diplexer arrangement. 2,632,108, Mar. 17.

Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Dipole antenna. 2,648,768, Aug. 11.

Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Transmission line termination. 2,655,635, Oct. 13.

Woodward, Oakley M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Broad-band directive antenna. 2,656,463, Oct. 20.

Woodward, Robert B., Cambridge, Mass. Copolymer of L-leucine and DL-phenylalanine. 2,657,972, Nov. 3.

Woodward, Robert W., Rockland, Mass. Liquid dispensing device. 2,631,755, Mar. 17.

Woodward, Stanley, assignor to Baker Perkins Limited, Peterborough, England. Feeding of sheets to multiroll laundry ironing machines. 2,654,969, Oct. 13.

Woodward, Sherrill W., assignor to Woodward Lumber Company, Inc., Brattleboro, Vt. Pallet. 2,651,486, Sept. 8.

Woodward, Sterling C., Havertown, Pa. Tank plug. 2,636,514, Apr. 28.

Woodward, Teynham, Los Altos, Calif., assignor to Food Machinery and Chemical Corporation, New York, N. Y. Producing active magnesium oxide. 2,658,814, Nov. 10.

Woodworth, Charles B., Binghamton, N. Y. Metal strap tire chain. 2,637,364, May 5.

Woodworth, Charles H., assignor to Timber Structures, Inc., Portland, Oreg. Knee for rigid frames. 2,653,360, Sept. 29.

Woodworth, N. A., Company, assignee: *See*—
Hohwart, George and E. F.

Woodworth, Willard A.: *See*—
Farr, Richard S., and Woodworth.

Woody, Guy V., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Car shaker. 2,626,720, Jan. 27.

Woodyard, John R.: *See*—
Varian, Russell H., Hansen, and Woodyard.

Woodyard, John R., Berkeley, Calif., assignor to The Sperry Corporation. High-frequency apparatus. 2,653,271, Sept. 22.

Woodyard, John R., Berkeley, and W. W. Hansen, Stanford University, Calif., assignors to The Sperry Corporation. Velocity modulation tube. 2,630,546, Mar. 3.

Wooffendale, Charles H., Frankfort, Ind. Fire resistant pad. 2,632,187, Mar. 24.

Woog, Ernest, assignee: *See*—
Beauvais, Max, and Bey.

Wool, Frank A., San Jose, Calif. Method of and apparatus for slicing drupe halves. 2,628,649, Feb. 17.

Woolard, Simon B., Schenectady, N. Y., assignor to General Electric Company. Binary numbers comparator. 2,641,696, June 9.

Woolcock, James W., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Treatment of gaseous mixtures. 2,642,154, June 16.

Wooldridge, Homer, Jr., Metuchen, N. J. Curing composition for porcelain and pottery. 2,635,058, Apr. 14.

Wooldridge Manufacturing Company, assignee: *See*—
Quartullo, Orpheus F.

Wooldridge, Marion J., Burbank, and G. P. Carver, Northridge, assignors to Garlinghouse Brothers, Los Angeles, Calif. Monowheel tractor. 2,649,162, Aug. 18.

Woolery Machine Company, assignee: *See*—
Woolery, Wilber F.

Woolery Machine Company, assignee: *See*—
Woolery, Wilbur F.

Woolery, Wilber F., St. Paul, assignor to Woolery Machine Company, Minneapolis, Minn. Self-propelled railway maintenance car. 2,632,404, Mar. 24.

Woolery, Wilbur F., St. Paul, assignor to Woolery Machine Company, Minneapolis, Minn. Flange-type safety wheel. 2,650,854, Sept. 1.

Wooley, Edward L., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Winding machine traverse mechanism. 2,647,698, Aug. 4.

Wooley, Merwyn C.: *See*—
Boardman, Edward M., and Wooley.

Woolf, Cyril: *See*—
Gilbert, Everett E., and Woolf.

Woolf, Cyril, Long Island City, and E. E. Gilbert, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of polychloroacetones. 2,635,117, Apr. 14.

Woolf, James W., Franklin, Pa., assignor to Joy Manufacturing Company. Reel driving and control mechanism. 2,639,336, May 19.

Woolf, James W., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Reel controlling apparatus for cable reels of mine cars. 2,655,567, Oct. 13.

Woolf, James W., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Switch. 2,660,627, Nov. 24.

Woolfolk, Anderson L., Pendletons, Va. Detachable light. 2,658,135, Nov. 3.

Woolford, Custis S., South Orange, N. J., and J. E. Socke, Pelham Manor, assignors to American Can Company, New York, N. Y. Magnetic can body supporting structure. 2,660,969, Dec. 1.

Wooling, John L., assignor to Fairmount Glass Works, Inc., Indianapolis, Ind. Take-out device for glass blowing machines. 2,634,552, Apr. 14.

Woollens, Albert T., Baldwin, and W. Buchal, Bel Air, assignors to The Glenn L. Martin Company, Middle River, Md. Rotary bomb bay door with bomb releasing means. 2,634,656, Apr. 14.

Woolley, Charles H., Cranford, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Vapor generator and superheater. 2,633,109, Mar. 31.

Woolley, William J., Chicago, Ill., assignor to Maid-O'-Mist, Inc. Air relief device. 2,633,142, Mar. 31.

Woolley, William J., Chicago, Ill., assignor to Maid-O-Mist, Inc. Automatic hygroscopic air vent valve with capillary drain tube. 2,642,078, June 16.

Woolley, Harold O., Jr., assignee: *See*—
Kester, Clair E.

Woolling, John L., Indianapolis, Ind. Conveyer chain. 2,655,250, Oct. 13.

Woolman, Ronald: *See*
Hall, Alan M., and Woolman.

Woolsey, Phyllis A., Indianola, Iowa. Cake plate and decorating device. 2,658,297, Nov. 10.

Woolsey, Sterling W., Houston, Tex. Combination reservoir energy and pumping equipment control. 2,652,000, Sept. 15.

Woolsey, Theodore A., Inglewood, Calif. Coupling clamp with constant spring loading. 2,659,953, Nov. 24.

Woolsey, Theodore A., Inglewood, Calif. Coupling clamp with constant spring loading 2,659,954, Nov. 24.

Woolslayer, Homer J., and C. D. Iddings, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Truck ramp. 2,647,606, Aug. 4.

Woolslayer, Homer J., C. D. Iddings, and J. S. Eaton, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Portable oil well derrick. 2,656,023, Oct. 20.

Woolven, John L., St. Vital, Manitoba, Canada. Decorations for Christmas trees. 2,644,260, July 7.

Woolven, John L., St. Vital, Manitoba, Canada. Decoration for Christmas trees. 2,650,874, Sept. 1.

Woolwine, George W., Selma, Calif. Lawn edger. 2,634,667, Apr. 14.

Wooster, Vernon J., St. Joseph, Mich., assignor to Whirlpool Corporation. Washing machine and control therefor. 2,625,030, Jan. 13.

Wooten, Leland A.: *See*—
Thurber, Elmer A., and Wooten.

Woppman, Joseph G., assignor to The Davison Chemical Corporation, Baltimore, Md. Humidifier package with stitched-in suspension means and making same. 2,649,923, Aug. 25.

Worcester Film Corporation, assignee: *See*—
Ramsdell, Floyd A.

Worcester Moulded Plastics Company, assignee: *See*—
Santo, Dominick C.

Worden, Donald P.: *See*—
Jorgensen, Clarence H., Nickel, Dietrich, and Worden.

Worden, Elmer J., Kalamazoo, Mich. Web coating machine. 2,653,566, Sept. 29.

Worden, Floyd O., assignor to W. E. Worden, Alliance, Nebr. Liquid applicator for animals. 2,653,575, Sept. 29.

Worden, Floyd O., assignor to W. E. Worden, Alliance, Nebr. Large hayrake. 2,662,363, Dec. 16.

Worden, Van C., Detroit, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Antisurge carburetor. 2,628,826, Feb. 17.

Worden, Willis E., assignee: *See*—
Worden, Floyd O.

Worel, Glen J., Robbinsdale, assignor to Thexton Manufacturing Company, Minneapolis, Minn. Signaling system for indicating inefficient vacuum conditions in automotive engines. 2,661,713, Dec. 8.

Worgan, Arthur, Manchester, Conn. Chair leg extension. 2,633,898, Apr. 7.

Work, Erich W., Hartford, assignor to The Beaton & Cadwell Manufacturing Co., New Britain, Conn. Pressure reducing valve. 2,631,412, Mar. 17.

Work, Worth H., Portland, Oreg. Air vent cap for oil drums. 2,644,610, July 7.

Workman, Ernest R., Chicago, Ill. Clip and applying it. 2,653,362, Sept. 29.

Workman, L. F., assignee: *See*—
Cline, Roscoe A., and Doci.

Works, William R., Washougal, Wash., and F. A. M. Buck, Concord, Calif. Vortex ring process for liquid-liquid extraction. 2,659,664, Nov. 17.

World-O-Matic Company, assignee: *See*—
Thompson, Alfred L., Nystrom, McQuiddy, and Stanley.

Worley, Milton S., Seattle, Wash. Cross-country navigational instrument. 2,641,844, June 16.

Worley, Will E., assignee: *See*—
Clair, Louis C.

Worlidge, Ronald F., Bognor Regis, assignor to Flight Refueling Limited, London, England. Apparatus for installation in aircraft for receiving fuel and other liquids in flight and control means therefor. 2,634,926, Apr. 14.

Worm, Hugo F., assignor to Aktiebolaget Teximpex, Uddevalla, Sweden. Web feeding mechanism for screen printing machines. 2,625,393, Jan. 13.

Worm, Hugo F., assignor to Aktiebolaget Teximpex, Uddevalla, Sweden. Guiding device for webs. 2,635,873, Apr. 21.

Wormalds & Walker Limited, assignee: *See*—
Auty, Albert.

Wormell, Robert L.: *See*—
Happey, Frank, and Wormell.

Wormelle, Frederick W., Jr., Falmouth, Mass. Combined can opener and handle. 2,639,502, May 26.

Wormser, Hans H.: *See*—
Goodhue, William V., and Wormser.

Worn, George A., Greenwich, Conn., assignor to The Lummus Company, New York, N. Y. Deaerating and evaporating unit. 2,663,286, Dec. 22.

Worn, George A., Greenwich, Conn., and F. L. Rubin, Brooklyn, assignors to The Lummus Company, New York, N. Y. Method and apparatus employing sonic waves in heat exchange. 2,664,274, Dec. 29.

Wornall, Francis, Kansas City, Mo., assignor to K. C. Fire Nozzle & Equipment Co. Hose nozzle. 2,627,439, Feb. 3.

Woroncow, Alexander.: *See*—
Parker, Eric, Wallis, and Woroncow.

Worrell, Robert L., La Porte, H. J. Lehker, and F. H. Vogelsang, La Porte, Ind., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Remote control for power units. 2,660,277, Nov. 24.

Worsham, James A., Maplewood, Mo. Furnishing solid fuels such as bituminous coal and thereof. 2,654,330, Oct. 6.

Worst, Joseph C., Trenton, N. J., assignor to Electric Company. Water drain for spin washing machines. 2,644,326, July 7.

Worth, Charles J., New York, N. Y. Drawing 2,638,674, May 19.

Worth, Francis C., Brooklyn, N. Y. Label printing machine. 2,627,809, Feb. 10.

Worthen, Eugene P., Braintree, and C. S. West Newton, Mass., assignors to Bet Company. Oil separator. 2,651,415, Sep

Worthen, George B.: *See*—
Ridings, Garvice H., Hackenberg, and

Worthen, Richard P., Modesto, Calif. Con horse and work support. 2,652,079, Sept.

Worthen, Stephen V., Westbrook, Maine, assi Warren Company, Boston, Mass. Paper printing plate with stabilized hydroph 2,635,537, Apr. 21.

Worthing, Nicolas, assignor to Harland Engi pany Limited, London, England. Speed-tion-responsive valve. 2,630,815, Mar. 10

Worthington, Carl R., assignor of one-half to & Tractor Co. Inc., Tulare, Calif. Combi fixture and gauge. 2,635,669, Apr. 21.

Worthington, Carl R., Tulare, assignor of Corcoran Implement Company, Inc., Co Reconditioning apparatus for doffer 2,663,123, Dec. 22.

Worthington Corporation, assignee: *See*—
Carter, Franklin E.
Cronk, George W.
Grace, John F.
Haeberlein, Max.
Henderson, Robert M.
MacDonald, Karl.
Metzger, Martin C.
Rockwood, Arthur G.
Sebald, Joseph F.
Slack, Alfred W., and Snyder.
Spining, Warren P.
Stewart, Warren A.
Wisilicenus, George F., and Zumbusch.

Worthington Mower Company, assignee: *See*—
Imbt, Herbert.

Worzel, John L., Sparta, N. J., assignor to States of America as represented by the the Navy. Frangible detonating element bomb arming devices. 2,635,542, Apr. 21.

Wosika, Leon R., assignor to Solar Aircraft C Diego, Calif. Collector structure for axia gas compressors. 2,628,767, Feb. 17.

Wotring, Gaylord H., Fairfield, Conn., assigno Electric Company. Soil strainer attachm washers. 2,638,104, May 12.

Wotring, Gaylord H., Fairfield, Conn., assigno Electric Company. Undercounter washi 2,654,386, Oct. 6.

Wouters, Louis F., Oakland, Calif., assignor t States of America as represented by the U Atomic Energy Commission. Coincider 2,625,653, Jan. 13.

Woychik, Raymond O., Middleton, Wis. Al ing gear. 2,650,048, Aug. 25.

Woydt, Eduard W., Stuttgart, Germany. H and motor hydraulic transmission. 2,662,

Woznack, George, Detroit, Mich. Rotatable 2,633,316, Mar. 31.

Wrap-King Corporation, assignee: *See*—
Ouellette, Clarence.

Wray, Alfred W., and M. S. Baldwin, De Holder for gummed paper. 2,651,420, Se

Wreathall, William M., assignor to Taylo Hobson Limited, Leicester, England. Thre component optical objective. 2,638,034, M

Wreathall, William M., assignor to Taylor, Ta son Limited, Leicester, England. Reflectin jective. 2,640,393, June 2.

Wreathall, William M., assignor to Taylor, Ta son Limited, Leicester, England. Two me objective. 2,660,094, Nov. 24.

Wray, Carl E., Englewood, Colo. Therapeuti foot treatment apparatus. 2,633,846, Apr.

Wren, Gloria B.: *See*—
Updegraff, David M., and Wren.

Wren, Harvey A., Naval Base, S. C. Rail 2,635,816, Apr. 21.

Wright, Ben L.: *See*—
Triteline, Charles F., and Wright.

Wright, Charles C., Buena Park, and P. Di Angles, assignors to Detro Manufacturing Inc., Culver City, Calif. Tack rag. 2,633,

Wright, Clayton B., Malden, Mass. Supportin 2,658,706, Nov. 10.

Wright, Clifford B.: *See*—
Haines, John F., and Wright.

Wright, Dallas E.: *See*—
Cordrey, Richard N., and Wright.

Wright, David P., Oakland, and R. H. Fish, Morgan Hill, assignors to Air-O Fan Products Corporation, Gelroy, Calif. Duplex spray machine. 2,641,503, June 9.

Wright, David P., Oakland, and R. H. Fish, Morgan Hill, assignors to Air-O-Fan Products Corporation, Gilroy, Calif. Side delivery spray machine. 2,643,155, June 23.

Wright, Dexter V. *See*—
Hagg, Arthur C., and Wright.

Wright, Donald A., Harrow, England, assignor to General Electric Company. Thermionic cathode for electric discharge devices. 2,654,045, Sept. 29.

Wright, Donald C., St. Petersburg, Fla. Pocket marking pen. 2,637,466, May 5.

Wright, Donald D.: *See*—
Hussey, Harold A., and Wright.

Wright, Donald W., Rosemeade, Calif. Hose nozzle. 2,629,633, Feb. 24.

Wright, Elvin S., Shrewsbury, Mass. Storage file for program tapes. 2,660,506, Nov. 24.

Wright, Ernest C., Trenton, N. J., assignor to Union Bag & Paper Corporation, New York, N. Y. Tray. 2,631,724, Mar. 17.

Wright, Esmond P. G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication switching system. 2,633,499, Mar. 31.

Wright, Esmond P. G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Cordless switchboard telecommunication exchange. 2,633,500, Mar. 31.

Wright, Esmond P. G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Long distance telephone exchange system. 2,633,501, Mar. 31.

Wright, Esmond P. G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric telegraph system. 2,653,996, Sept. 29.

Wright, Esmond P. G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Echo suppressor insertion. 2,653,999, Sept. 29.

Wright, Esmond P. G., W. F. Gould, T. F. S. Hargreaves, and W. J. Reynolds, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Carrier telephone system and supervisory signaling arrangement therefor. 2,624,806, Jan. 6.

Wright, Esmond P. G., and D. A. Weir, assignors to Standard Telephone and Cables Limited, London, England. Electrical decoding circuits. 2,648,725, Aug. 11.

Wright, Felix H., Jr.: *See*—
Hubbard, Findley E., and Wright.

Wright, Felix H., Jr., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Production of stabilized sodium acid pyrophosphate. 2,630,372, Mar. 3.

Wright, Frank C., K. G. Hodgson, and A. H. Roche, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Control of carrier transmission systems by pilot frequencies. 2,626,993, Jan. 27.

Wright, Frank L., Mayfield, Ky. Boat trailer assembly. 2,641,373, June 9.

Wright, Frank O., Memphis, Tenn. Walking heel. 2,634,723, Apr. 14.

Wright, Fred D., assignor to Fred D. Wright Co., Inc., Nashville, Tenn. Oil can display rack and cabinet. 2,654,508, Oct. 6.

Wright, Fred D., Co., Inc., assignee: *See*—
Wright, Fred D.

Wright, Fred J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer roll assembly. 2,632,560, Mar. 24.

Wright, Fred J., Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Motorized trench roller. 2,639,652, May 26.

Wright, Frederick J.: *See*—
Roper, Walter F., and Wright.

Wright, George J., Berkeley, and R. J. Wright, Albany, assignors, by mesne assignments, to Fritter-Chef Corporation, Berkeley, Calif. Machine for coating frankfurters. 2,663,281, Dec. 22.

Wright, George L., Underhill, Vt. Teat cot. 2,636,492. Apr 28.

Wright, George W.: *See*—
Shilling, William C., and Wright.

Wright, Gilbert F., Renton, assignor to Boeing Airplane Company, Seattle, Wash. Antechamber type spark plug mechanism. 2,642,054, June 16.

Wright, H. E., Company, assignee: *See*—
Colburn, George C., and Turner.

Wright, Harry, assignor to Accurate Tool and Engineering Company, San Diego, Calif. Combination vacuum and solenoid operated valve. 2,652,855, Sept. 22.

Wright, Henry H., and C. L. Harder, Fredericksburg, Va., assignors to American Viscose Corporation, Wilmington, Del. Sausage stuffing machine. 2,653,432, Sept. 29.

Wright, Howard L., Leaside, assignor to Curtis Lighting of Canada Limited, Toronto, Ontario, Canada. Suspension for lighting fixtures. 2,641,433, June 9.

Wright, Ira E., Elizabeth City, N. C., assignor of one-half to C. L., Jr., and M. G. Harrell, Norfolk, Va. Flour sifter. 2,648,436, Aug. 11.

Wright, Jay W.: *See*—
Klein, Norman E., and Wright.

Wright, James A., Webster Groves, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Burner orifice spud. 2,631,659, Mar. 17.

Wright, James B., Philadelphia, Pa. Eyeglass hinge construction. 2,628,531, Feb. 17.

Wright, James F., Palo Alto, Calif. Portable urinal. 2,628,617, Feb. 17.

Wright, John B., and E. H. Lincoln, assignors to The Upjohn Company, Kalamazoo, Mich. Aminoketones. 2,655,542, Oct. 13.

Wright, John G., C. D. Toney, C. A. Watkins, and Eugene Sudan, Atlanta, and W. A. Maxwell, Duluth, Ga., assignors to The Auto-Soler Company. Fastener forming and inserting machine. 2,636,168, Apr. 28.

Wright, John G., C. D. Toney, C. A. Watkins, and E. Sudan, Atlanta, and W. A. Maxwell, Duluth, Ga., assignors to The Auto-Soler Company. Wire reel mounting. 2,647,702, Aug. 4.

Wright, John H.: *See*—
Van Horn, John C., Ohlmann, Klinger, and Wright.

Wright, John H., Clearwater, Fla., and A. W. Lewing, Monson, Mass., assignors to Tampax, Incorporated, New York, N. Y. Douche composition. 2,649,398, Aug. 18.

Wright, Kenneth A., Los Angeles, Calif. Centering and well cleaning tool. 2,628,682, Feb. 17.

Wright, Kenneth A., Los Angeles, Calif. Multiple wire scratcher for wells. 2,634,813, Apr. 14.

Wright Machinery Company, assignee: *See*—
Aldridge, Luther W.
Gunter, Coley W., and Howe.
Petrea, James C.
Tracy, Glen M., and Petrea.

Wright, Merrill C.: *See*—
Griffin, Harold F., and Wright.

Wright, Mildred A., and D. E. Gates, Bevier, Mo. Restoration surgical breast. 2,651,783, Sept. 15.

Wright, Orell, Spindale, N. C., assignor to C. Rosenstein, Paterson, N. J. Control mechanism. 2,642,097, June 16.

Wright, Orrin H., and J. L. Weaver, Brewster, Fla., and E. B. Fitch, Westport, Conn., said Wright and said Weaver assignors, by mesne assignments, to Naamloze Vennootschap Maatschappij voor Kolenberwerking Stamicarbon, Heerlen, Netherlands, and said Fitch assignor to the Dorr Company, Stamford, Conn. Process and apparatus for controlling the density of the apex discharge of a cyclone. 2,648,433, Aug. 11.

Wright, Otis A.: *See*—
Wilkinson, Orville L., and Wright.

Wright, Otis A., and E. H. Goddard, Burbank, and R. H. Cole, Pasadena, assignors, by mesne assignments, to Air Valve, Inc., Burbank, Calif. Fuel filter. 2,630,228, Mar. 3.

Wright, Otis A., and E. H. Goddard, Burbank, and O. L. Wilkinson, Tujunga, assignors, by mesne assignments, to Air Valve, Inc., Burbank, Calif. Latching solenoid. 2,632,821, Mar. 24.

Wright, Ralph J.: *See*—
Wright, George J., and R. J.

Wright, Richard C., Bay Village, assignor to Iron Fireman Manufacturing Company, Cleveland, Ohio. Fuel and air control for industrial stoker drives. 2,627,238, Feb. 3.

Wright, Richard H., Bratenahl, assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Tape support for Venetian blinds. 2,652,114, Sept. 15.

Wright, Richard H., Bratenahl, and A. Zay, assignors to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Bottom rail tape clip construction for Venetian blinds. 2,626,659, Jan. 27.

Wright, Richard H., Bratenahl, and A. Zay, assignors to Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Combination Venetian blind tape fastener, cord anchor, pulley support, and cover therefor. 2,660,238, Nov. 24.

Wright, Richard O.: *See*—
Harding, Clarke T., Mayer, and Wright.

Wright, Robert L., North Linthicum Heights, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compensator for X-ray systems. 2,626,360, Jan. 20.

Wright, Roland H., Brockton, Mass. Screw driver. 2,631,624, Mar. 17.

Wright, Stephen W., and P. P. Love, Alperton, Wembley, England, assignors to Johnson Bronze Company, New Castle, Pa. Journal bearing. 2,661,254, Dec. 1.

Wright, Thomas E.: *See*—
Merkel, Charles M., Bennett, and Wright.

Wright, Thomas H., Miami, Fla. Compressor clip for hydraulic valve tappets. 2,643,447, June 30.

Wright, Thomas L., Granite Falls, N. C. Yarn cone and tube winder. 2,664,249, Dec. 29.

Wright, Walter B.: *See*—
Sullivan, Cecil J., and Wright.

Wright, Ward J., Kanawha, Iowa. Chick counting device. 2,645,424, July 24.

Wright, William E., West Palm Beach, Fla., assignor to Sea Island Mills, Inc., New York, N. Y. Decorticator. 2,654,915, Oct. 13.

Wright, William E., West Palm Beach, and O. H. Bond, Moore Haven, Fla., assignors to Sea Island Mills, Inc., New York, N. Y. Combined harvester and decorticator. 2,654,916, Oct. 13.

Wright, William T., Norwalk, Ohio. Device for exercising hand and finger muscles. 2,633,358, Mar. 31.

Wrightam, Roy D., assignee: *See*—
Potter, George H.

Wright's Biscuits Limited, assignee: *See*—
Page, Alfred C.

Wrightson, John M.: *See*—
Dittman, Albert L., and Wrightson.

Wrigley, Walter: *See*—
Braddon, Frederick D., and Wrigley.
Slater, John M., and Wrigley.

Wrigley, Walter, Wollaston, Mass., assignor to The Sperry Corporation. Inclined gyro-vertical. 2,630,015, Mar. 3.

Wrigley, Wm., Jr., Company, assignee: *See*—
Bonebrake, Gay M.

Wrobel, Carl H., Detroit, Mich. Reducing and enlarging machine for draftsman and designers. 2,645,016, July 14.

Wroughton, Donald M.: *See*—
Gregory, Edward D., Lilliendahl, and Wroughton.

Wu, William I., Shanghai, China, assignor to the United States of American as represented by the Secretary of the Navy. Tuner. 2,640,150, May 26.

Wu, William I. L., New York, and V. V. Vacquier, Garden City, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Conversion system. 2,634,393, Apr. 7.

Wuhbe, Leo J., Detroit, Mich. Tractor drive with tire directly driven. 2,626,002, Jan. 20.

Wubben, Gerrit J. H. E., and A. A. Steiner, assignors to Nederlandse Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Soilless culture. 2,639,549, May 26.

Wuerfel, Donald F., assignor to E. E. Hans, Detroit, Mich. Fan wheel. 2,662,686, Dec. 15.

Wuertz, Paul P., Melrose, assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Bale tensioning mechanism. Re. 23,631, Mar. 10.

Wuest, William D.: *See*—
Harder, George W., and Wuest.

Wulff, Cal W., Chicago, Ill., assignor to Holland Company. Truck damping device. 2,660,129, Nov. 24.

Wulff, Cal W., and F. G. Newman, Chicago, Ill., assignors to Holland Company. Volute spring. 2,649,298, Aug. 18.

Wullschleger, August, Olten, Switzerland. Parking device for vehicles. 2,660,320, Nov. 24.

Wunderlich, Friedrich, Valley Stream, assignor of one-half to E. T. Barrett, New York, N. Y. Boring and facing head. 2,630,027, Mar. 3.

Wunderlich, Henry E., Seattle, Wash. Air pickup and suction device. 2,663,243, Dec. 22.

Wunsch, Joseph W., Brooklyn, N. Y. Automotive crane with road and rail wheels. 2,630,766, Mar. 10.

Wunsch, Richard, assignee: *See*—
Winch, Ronald.

Wunsch, Rudolf, Milan, Italy. Apparatus for the concentrating of minerals by means of froth flotation. 2,652,924, Sept. 22.

Wunschel, Kenneth R.: *See*—
Makant, Joseph E., Smithson, and Wunschel.

Wurdinger, Lawrence J., Mount Angel, Oreg. Vine holder. 2,650,454, Sept. 1.

Wurlitzer, Rudolph, Company, assignee: *See*—
Ebert, Edward A.
Osborne, Fred H.
Schmidt, Francis M.
Von Stoeser, Walter.

Wurm, Max, Detroit, Mich. Combination extension table with folding top. 2,651,555, Sept. 8.

Wurmser, Alphons V.: *See*—
Edwards, Paul G., and Wurmser.
Robertson, Donald D., and Wurmser.

Wurmser, Franklin T., Sherman Oaks, Calif. Quick coupling. 2,631,872, Mar. 17.

Wurster, Dale E., assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Applying coatings to edible tablets or the like. 2,648,609, Aug. 11.

Wurth, Walter A.: *See*—
Clendenin, Edward H., and Wurth.

Wurton Machine Company, assignee: *See*—
Palmer, Arthur E.

Wurzburg, Otto B.: *See*—
Caldwell, Carlyle G., and Wurzburg.

Wurzel, Hugo, Bronx, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Separable fastener. 2,632,221, Mar. 24.

Wüsteney, Herbert, Kladow, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Teleprinter transmitter for perforated tape records. 2,639,323, May 19.

Wyandotte Chemicals Corporation, assignee: *See*—
Ash, Arthur B., and Earing.
Ash, Arthur B., and Jackson.
Cenker, Moses, and Langdon.
Langdon, William K., and Soop.

Wyatt, De Witt H., Columbus, Ohio. Gas burner internal baffle for gas distribution. 2,626,656,

Wyatt, Frederick W., assignee: *See*—
Reynolds, Frank L.

Wyatt, James L.: *See*—
Stoddard, Carl K., and Wyatt.

Wyatt, James R., Havertown, assignor to The Company, Philadelphia, Pa. Phosphorizing 2,634,027, Apr. 7.

Wyatt, James R., Havertown, assignor to The Company, Philadelphia, Pa. Phosphorizi 2,663,590, Dec. 22.

Wyatt Manufacturing Co., Inc., The, assigne
Westberg, Harold A.

Wyatt, William K., Jr., Souderton, assignor Dohme, Incorporated, Philadelphia, Pa. nism. 2,634,022, Apr. 7.

Wyckoff, Kenneth K.: *See*—
Hisserich, Charles A., Henderson, and Wyc

Wyczalek, Floyd A., Flint, assignor to Gene Corporation, Detroit, Mich. Device for borderline detonation. 2,660,883, Dec. 1.

Wydler, Erhard: *See*—
Peter, Albin, and Wydler.

Wyeth Incorporated, assignee: *See*—
Szabo, Joseph L., and Bruce.

Wygand, William, Jr.: *See*—
Meunier, Paul L., and Wygand.

Wykoff, Richard T., Clearwarter, Fla. Combin box and easel. 2,638,397, May 12.

Wyland, Ray O., Jr., Somerville, N. J., assigno assignments, to Union Carbide and Carbon C Rock piercing blowpipe. 2,628,817, Feb. 17.

Wylie, Andrew R., assignor to Redmond Com Owosso, Mich. Dynamoelectric machine. Aug. 11.

Wylie, Arthur R.: *See*—
Nobles, Warren H., and Wylie.

Wylie, Howard W., Seattle, Wash. Conve 2,649,812, Aug. 25.

Wyman, Howard A., Jr., Wesleyville, Pa., General Electric Company. Water cooling a for refrigerators. 2,644,316, July 7.

Wyman, William F., Spokane, Wash. Air system for buildings. 2,649,726, Aug. 25.

Wymbs, Roy P., Fredericksburg, Va., assignor t Viscose Corporation, Wilmington, Del. Sizi and film sized therewith. 2,658,835, Nov. 10.

Wync, Robert S., Kansas City, Mo. Dental stand. 2,638,670, May 19.

Wyner, Justin L., and R. R. Scharf, Brooklin to The Vanta Company Inc., Newton, Mas breasted undergarment for infants' wear. June 30.

Wynn, Arthur H. A.: *See*—
Fleming-Williams, Brian C., and Wynn.

Wynn, Robert W., and S. A. Glickman, East signors to General Aniline & Film Corpor York, N. Y. Substituted benzofuranes. Apr. 28.

Wynn, Ted R., Birmingham, Ala. Wallpap apparatus. 2,662,658, Dec. 15.

Wynn, Ted R., Helena, Ala. Wallpaper han ratus. 2,662,657, Dec. 15.

Wynne, Richard H., Jr., Pittsburgh, assignor house Electric Corporation, East Pittsburgh, ing solution and process. 2,653,085, Sept. 2

Wynne, Robert J., Oakland, Calif. Inter 2,631,378, Mar. 17.

Wyott Manufacturing Co., Inc., assignee: *See*
Titus, Thomas L.

Wysong, Don V.: *See*—
White, Halbert C., and Wysong.

Wysor, William J.: *See*—
Walter, William F., Jr., and Wysor.

Wyss, Frederic D.: *See*—
Allin, Frederick R., and Wyss.

Wyssen, Jakob, Reichenbach, Kandertal, S Overhead log carrier. 2,652,157, Sept. 15.

Wystrach, Vernon P., Springdale, Conn., American Cyanamid Company, New York, cyanates and products prepared therefrom the same. 2,647,884, Aug. 4.

Wystrach, Vernon P., Springdale, and J. T. Riverside, Conn., assignors to American Cya pany, New York, N. Y. Preparing acylox cyanates. 2,626,278, Jan. 20.

Wyza, John, assignor, by mesne assignments Leonard, New Castle, Pa. Forming press feed. 2,650,822, Sept. 1.

Xenakis, James, Long Branch, N. J. Conv 2,661,080, Dec. 1.

Yacyshyn, Walter, Cleveland, Ohio. Lantern a holder having pivotally adjustable suppo 2,656,454, Oct. 20.

Yaczola, Anna, Pittsburgh, Pa. Hospital ma struction. 2,654,899, Oct. 13.

Yadoff, Oleg, assignor to Electronatom Corpo York, N. Y. Method and apparatus for tr medium. 2,637,408, May 5.

Yaeger, Harry C., West Hartford, Conn., assig derwood Corporation, New York, N. Y. Co trol at tabulation rebounding. 2,647,611,

Yaeger, Luther L.: *See*—
Bjorksten, Johan, Fiedler, and Yaeger.

Yaeger, Luther L., Hammond, Ind., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Article comprising coated polystyrene. 2,628,923, Feb. 17.

Yaeger, Luther L., Hammond, Ind., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Solution of cellulose acetate butyrate. 2,632,339, Sept. 15.

Yaffe, David W., Philadelphia, Pa. Deodorizing device. 2,629,149, Feb. 24.

Yakopatz, Michael A., assignor, by mesne assignments, to C. L. Mathis, Seattle, Wash. Wire-rope greaser. 2,654,442, Oct. 6.

Yale, Gordon A., Marblehead, Mass. Comparator for assisting in the identification of unknown stains, colors, or the like. 2,647,433, Aug. 4.

Yale, Marion W., Salida, Colo. Self-loading semiautomatic pistol. 2,659,994, Nov. 24.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Bennett, Maurice D., and Zizzi.
Diesel, Richard H.
Framhein, Herbert J.
Heyer, Frederic K.
Lock, Frank.
Quayle, George F.
Schroeder, Charles S.
Spain, Roy C.
Ulinski, Bronislaus I.

Yalick, John: *See*—
Yalick, Stephen and J.

Yalick, Stephen and J., Dallas, Pa. Portable and adjustable packing table. 2,661,887, Dec. 8.

Yancey, Charles R., assignor of forty-five per cent to K. K. Yancey and ten per cent to E. H. Ackley, Dallas, Tex. Attachable closure for containers. 2,628,761, Feb. 17.

Yancey, Katherine K., assignee: *See*—
Yancey, Charles R.

Yanovsky, Elias: *See*—
Talley, Eugene A., and Yanovsky.

Yant, Chester W.: *See*—
Cantalupo, Francis J., De Craene, Schmidt, Yant, and Setka.

Yant, William P., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Sealed air-purifying canister. 2,626,678, Jan. 27.

Yarber, Gordon W., near Seattle, assignor to Boeing Airplane Company, Seattle, Wash. Brake control mechanism. 2,631,696, Mar. 17.

Yarber, Gordon W., near Seattle, assignor to Boeing Airplane Company, Seattle, Wash. Airplane landing wheel brake control apparatus. 2,663,521, Dec. 22.

Yarber, Gordon W., near Seattle, H. H. Howell and R. F. Chase, assignors to Boeing Airplane Company, Seattle, Wash. Airplane landing wheel brake control apparatus. 2,636,700, Apr. 28.

Yarbrough, Lowell B., Decatur, Ill., assignor to Westinghouse Air Brake Company. Crossover protection apparatus. 2,631,227, Mar. 10.

Yard, Edward M., Trenton, N. J. Drying capsule. 2,638,179, May 12.

Yard-Man, Inc., assignee: *See*—
Flansburgh, John C.

Yardney International Corp., assignee: *See*—
Brill, Otto H., and Solomon.
Garine, Paul.
Yardney, Michel N., and Kagan.

Yardney, Michel N., New York, and M. E. Kagan, Bronx, assignors to Yardney International Corp., New York, N. Y. Interelectrode separator for rechargeable batteries. 2,635,127, Apr. 14.

Yarmak, Julius, Wakefield, England. Kerf-boring machine for mining coal and like minerals. 2,637,542, May 5.

Yarmak, Julius, Wakefield, Yorkshire, England. Combined shearing and loading machine. 2,648,530, Aug. 11.

Yarnall, Chandler P., Merchantville, N. J. Closure plug. 2,663,451, Dec. 22.

Yarrow, Joseph S., Litchfield County, Conn. Oscillatory motor. 2,649,551, Aug. 18.

Yarrow, Joseph S., Litchfield County, Conn. Lamp socket. 2,659,875, Nov. 17.

Yates, Albert A., Redondo Beach, Calif. Can orienting device. 2,627,345, Feb. 3.

Yates, Alexander, Hollandale, Miss. Air washer and cooler. 2,631,019, Mar. 10.

Yates, Arthur T., West Seneca, assignor to Buffalo Forge Company, Buffalo, N. Y. Power stop device for power presses. 2,640,541, June 2.

Yates, Charles G., Jr.: *See*—
Gaynor, Frank A., and Yates.

Yates, Cyril J., Henderson, Ky., assignor to Tri-State Plastic Molding Co. Container having a hinged cover. 2,637,460, May 5.

Yates, Edward C., Beckley, W. Va. Bail for facilitating the application of tire chains. 2,663,208, Dec. 22.

Yates, Henry G.: *See*—
Brown, Thomas W. F., and Yates.

Yates, Henry G., Riding Mill, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Rotary hydraulic coupling for forward and reverse drive. 2,651,917, Sept. 15.

Yates, James L.: *See*—
McIlvaine, Robert L., and Yates.

Yates, Maurice M., Greeneville, Tenn. Adjustable counter for strap sandals. 2,642,677, June 23.

Yates, Richard C., assignor to Binghamton Metal Forms, Inc., Binghamton, N. Y. Form for concrete and the like. 2,661,516, Dec. 8.

Yates, Richard C., assignor to Binghamton Metal Forms, Inc., Binghamton, N. Y. Construction form. 2,663,925, Dec. 29.

Yavner, Sylvan, Norfolk, Va. Ratchet wrench. 2,646,711, July 28.

Yawman and Erbe Manufacturing Company, assignee: *See*—
Turner, James H.

Yeager, Arthur E., Brownfield, Tex. Cotton-separator machine. 2,635,296, Apr. 21.

Yeager, John F.: *See*—
Morse, Ted B., and Yeager.

Yeater, Max L., Boulder, Colo., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Heat retaining means for hydrogen thyratron. 2,648,024, Aug. 4.

Yeater, Max L., Boulder, Colo., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Testing a metallic sample. 2,656,256, Oct. 20.

Yeats, Robert S., San Diego, Calif. Film reel for motion-picture projectors. 2,661,210, Dec. 1.

Yeck, John D.: *See*—
Roush, Alan D., Stolz, and Yeck.

Yeck, John D. and W. S., assignors to The Huffman Manufacturing Company, Dayton, Ohio. Lawn mower handle extension for electric cord. 2,633,688, Apr. 7.

Yeck, William S.: *See*—
Yeck, John D. and W. S.

Yehling, George C., Jr., St. Louis, Mo., assignor to American Viscose Corporation, Wilmington, Del. Attritor for fibrous material. 2,640,226, June 2.

Yehling, George C., Jr., St. Louis, Mo., assignor to American Viscose Corporation, Wilmington, Del. Process and composition for producing improved viscose. 2,663,704, Dec. 22.

Yeiser, Andrew S.: *See*—
Lundgren, Harold P., Fong, and Yeiser.

Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Table stand for hot casserole dishes. 2,663,172, Dec. 22.

Yellin, Louis, Philadelphia, Pa. Intermittent cervical traction apparatus. 2,633,124, Mar. 31.

Yellin, Louis, Philadelphia, Pa. Intermittent cervical traction apparatus (controlled). 2,633,125, Mar. 31.

Yellott, John I., Baltimore, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Method and apparatus for the separation of particulate material from entraining gaseous fluids. 2,650,675, Sept. 1.

Yellott, John I., Baltimore, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Coal fired gas turbine power plant. 2,651,176, Sept. 8.

Yellott, John I., Baltimore, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Gas turbine power plant solid fuel feeding means. 2,652,687, Sept. 22.

Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Coal pulverization and combustion apparatus for gas turbine power plants. 2,625,791, Jan. 20.

Yellott, John I., Cockeysville, Md., assignor to Bituminous Coal Research, Inc., Washington, D. C. Ash handling system for high-pressure combustion of pulverized solid fuels. 2,654,218, Oct. 6.

Yellott, John I., Cockeysville, Md., assignor to Institute of Gas Technology, Chicago, Ill. Manufacture of calorific gas. 2,656,264, Oct. 20.

Yellott, John I., New York, N. Y., assignor to Bituminous Coal Research, Inc., Washington, D. C. Pressurized combustion and ash removal system for coal-fired gas turbine power plants. 2,652,792, Sept. 22.

Yelverton, Elum L., Laurel, Miss. Waste grab preventer and lubricating device. 2,649,343, Aug. 18.

Yenne, Allen W. Wooster, Ohio. Paintbrush container having cleaning fluid therein. 2,646,808, July 28.

Yenni, Donald M., Williamsville, and T. F. Hart, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Process of and apparatus for forming stylus-like articles from corundum or spinel. 2,659,181, Nov. 17.

Yeomans Brothers Company, assignee: *See*—
Yeomans, Charles.

Yeomans, Charles, Hubbard Woods, assignor to Yeomans Brothers Company, Chicago, Ill. Unloading system for compressors. 2,637,485, May 5.

Yeomans, Charles, Hubbard Woods, assignor to Yeomans Brothers Company, Chicago, Ill. Control system. 2,644,405, July 7.

Yeomans, Lucien I., assignor to (Mrs.) M. F. Watts, Chicago, Ill. Can opener. 2,628,422, Feb. 17.

Yeomans, Lucien I., Chicago, Ill., assignor to Midwest Tool and Cutlery Company, Sturgis, Mich. Grass shears with vertical handle action. 2,662,285, Dec. 15.

Yeomans, Lucien I., Chicago, Ill., assignor to Midwest Tool and Cutlery Company, Sturgis, Mich. Grass shears with lateral handle action. 2,662,286, Dec. 15.

Yergens, Chester M., Milwaukee, Wis. Flexible and overload releasable drive mechanism between drawbar connected vehicles. 2,626,000, Jan. 20.

Yerges Manufacturing Company, The, assignee: *See*—
Thompson, Frederick H.

Yerian, Harold W., Cumberland, Ohio. Trailer for hauling farm implements. 2,625,372, Jan. 13.

Yerkes, John A., New York, N. Y. Staple remover. 2,662,727, Dec. 15.

Yerkovich, Simon, Los Angeles, Calif., assignor to Dictaphone Corporation, Bridgeport, Conn. Drive construction for phonographs or the like. 2,664,293, Dec. 29.

Yess, Thomas R., Schenectady, N. Y. Ratchet clutch handle. 2,641,201, June 9.

Yetsko, Metro: *See*—
Wojcik, Walter A., and Yetsko.

Yetter, Edward W., assignor to Sun Oil Company, Philadelphia, Pa. Vacuum tube voltmeter. 2,624,770, Jan. 6.

Yetter, Harry G., Colchester, Ill. Combination arbor and support for power-driven rotary tools. 2,660,205, Nov. 24.

Yingling, Charles R., Baltimore, Md. Receptacle for threaded needles. 2,642,211, June 16.

Yingling, Frank B., deceased, Hamilton, Ohio. The First National Bank and Trust Company of Hamilton, Hamilton, Ohio, executor of said F. B. Yingling. Railroad locomotive. 2,638,798, May 19.

Yingst, Cyrus S., assignor to The Heald Machine Company, Worcester, Mass. Control apparatus for hydraulic systems. 2,632,459, Mar. 24.

Yingst, Paul V., Norwood, assignor to The Post-Glover Electric Company, Cincinnati, Ohio. Magnetic blowout construction and shield. 2,629,035, Feb. 17.

Yingst, Paul V., Norwood, assignor to The Post-Glover Electric Company, Cincinnati, Ohio. Contactor. 2,632,822, Mar. 24.

Yingst, Paul V., Norwood, assignor to The Post-Glover Electric Company, Cincinnati, Ohio. Electrical contactor. 2,650,966, Sept. 1.

Yoder Co., The, assignee: *See*—
Dellinger, Robert W.

Yoder, Howard D., Detroit, Mich., assignor, by mesne assignments, to Buffalo-Eclipse Corporation. Liquid level gauge. 2,653,479, Sept. 29.

Yohpe, Reinhard A., assignor to Union Steam Pump Company, Battle Creek, Mich. Reciprocating pump for food materials. 2,655,870, Oct. 20.

Yokel, William R.: *See*—
Nystrom, Karl F., and Yokel.

Yolles, Jack, Dayton, Ohio. Spoon. 2,647,810, Aug. 4.

Yonamine, Ernest T., Honolulu, Hawaii. Automatic blade holding razor. 2,663,080, Dec. 22.

Yonkers, Edward H., Glencoe, assignor to Joslyn Mfg. & Supply Co., Chicago, Ill. Transformer protective apparatus. 2,639,346, May 19.

Yonkers, Edward H., Jr., assignee: *See*—
Shellman, Norman C.

Yonkers, Edward H., Jr., Glencoe, assignor to Joslyn Mfg. & Supply Co., Chicago, Ill. Lightning arrester. 2,628,322, Feb. 10.

Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner. 2,651,383, Sept. 8.

Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner. 2,656,897, Oct. 27.

Yonkers, Edward H., Jr., Glencoe, assignor to Joslyn Mfg. & Supply Co., Chicago, Ill. Street lighting control unit. 2,659,840, Nov. 17.

Yorgiadis, Alexander, Liverpool, N. Y. Reciprocating machine. 2,635,472, Apr. 21.

York Corporation, assignee: *See*—
Andrews, John M.
Gerhart, Carlton M., Jr.
Raver, Francis M.
Stair, William S.

York, Ernest E., Falmouth Corner, Maine, assignor to American Coin Changer Corp., Boston, Mass. Control assembly for coin or token operated vending machines. 2,639,016, May 19.

York, Ernest E., Portland, Maine, assignor to American Coin Changer Corp., Boston, Mass. Control apparatus for vending machines. 2,660,284, Nov. 24.

York Industries, a division of York Manufacturing Company, assignee: *See*—
Frey, Joseph.

York, La Faun E., Wichita, Kans. Device for holding embroidery floss and textile weaving and sewing material. 2,646,196, July 21.

York Nut Sheller Co., Inc., assignee: *See*—
Harless, Charles L.

York-Shipley, Inc., assignee: *See*—
Mohn, Henry L.

Yorkshire Dyeware and Chemical Company Limited, assignee: *See*—
Stead, Ernest, Murray, and Burtonshaw.

Yost, Clyde E., Evansville, Ind. Spray nozzle. 2,641,509, June 9.

Yost, Leonard W., Atwater, Calif. Convertible high-low baby chair. 2,653,650, Sept. 29.

Yost Manufacturing Company, assignee: *See*—
Partiss, Arnold B.

Yost, Merrill, Sacramento, Calif. Hole boring rig. 2,645,458, July 14.

Youhouse, Joseph, Fairfield, assignor to Ca... Corporation, Bridgeport, Conn. Cyclon... 2,633,696, Apr. 7.

Youhouse, Joseph, Fairfield, assignor to Ca... Corporation, Bridgeport, Conn. Stea... 2,652,645, Sept. 22.

Youker, Norval R., Chicago, Ill. Fishing ... 2,629,963, Mar. 3.

Youmans, Arthur H., and R. Monaghan, assig... Surveys, Incorporated, Tulsa, Okla. Metho... ratus for compensation for the effects of ... and voltage fluctuations on scintillatio... 2,659,011, Nov. 10.

Youmans, John B., trustee: *See*—
Shull, Harrison J.

Young, Allan M., Meriden, Conn., assignor ... Electric Company. Surface unit tilt... 2,624,827, Jan. 6.

Young, Andrew P., Roseland, and W. E. Brig... nack Lake, N. J., assignors to Curtiss-Wri... tion. Burner for liquid fuel. 2,661,199, ...

Young, Arthur M., Paoli, Pa., assignor to ... Corporation, Wheatfield, N. Y. Helicopter ... trol. 2,633,924, Apr. 7.

Young, Arthur M., assignor to Bell Aircraft ... Buffalo, N. Y. Automatic helicopter rotc... 2,646,848, July 28.

Young, Arthur M., assignor to Bell Aircraft ... Buffalo, N. Y. Pivotally mounted rotati... aircraft. 2,650,667, Sept. 1.

Young, Arthur R., Springfield, Mass., and ... Hanover, N. H. Football training sled. ... Sept. 29.

Young, Austin E.: *See*—
Cook, Curtiss L., Young, and Edman.

Young, Austin E., Syracuse, N. Y., assignor, ... signments, to Deere & Company, Moline, Il... mechanism for potato diggers. 2,648,437, ...

Young, Austin E., Syracuse, N. Y., assignor, ... signments, to Deere & Company, Moline ... clutch. 2,657,557, Nov. 3.

Young, Austin E., Onondaga, N. Y., assigno... assignments, to Deere & Company, Moline, ... digger having means for separating vines ... from potatoes. 2,657,798, Nov. 3.

Young Brothers Company, assignee: *See*—
Best, William L., and Lisch.
Shorek, Leonard J., and Best.

Young, Charles A.: *See*—
Willard, Alfred R., Glasener, Haak, and ...

Young, Charles A., Gloucester, and H. E. Bal... assignors to Sylvania Electric Products ... Mass. Lead-in wire orienting apparatus ... Sept. 1.

Young, Charles J., Princeton, N. J., assignor t... poration of America. Facsimile scanner. ... May 19.

Young, Charles M., Schenectady, N. Y., assi... eral Electric Company. Autopilot con... 2,664,530, Dec. 29.

Young, Charles M., Jr.: *See*—
Musschoot, Albert, and Young.
Musschoot, Albert, Bergmann, and Young

Young, Clarence P., Bellflower, Calif. ... 2,635,914, Apr. 21.

Young, Clayton E., St. Joseph, Mich. Porta... vice. 2,638,714, May 19.

Young, Clinton J. T., Oak Ridge, Tenn. Nonl... amplifier. 2,635,193, Apr. 14.

Young, Cyril C., Kansas City, Mo. Horizonta... oil burner. 2,636,554, Apr. 28.

Young, Cyril C., Kansas City, Mo. Interlo... structure for electrically operated valves. ... May 19.

Young, D'Arcy A., Jr., and R. A. Fox, assig... man Kodak Company, Rochester, N. Y. ... projector. 2,625,073, Jan. 13.

Young, David C., assignor to The Dow Chemi... Midland, Mich. Stabilizing and purifying ... aldehyde. 2,649,462, Aug. 18.

Young, David W.: *See*—
Banes, Fred W., Young, and Hund.
Cottle, Delmer L., and Young.
Fischer, Wilbur F., and Young.
Kraus, Charles A., and Young.
Morway, Arnold J., and Young.
Morway, Arnold J., Young, and Cottle.
Smith, Paul V., Jr., and Young.
Smith, Paul V., Jr., Young, and Newberg...
Sparks, William J., and Young.
Sparks, William J., Morway, and Young.
Spark, William J., Young, and Garber.

Young, David W., Roselle, N. J., assignor to ... Development Company. Stabilized synth... compositions containing 2,2-bis(2-hydrox... methyl-phenyl)-propane. 2,628,212, Feb. 1...

Young, David W., Roselle, and P. V. Smith ... field, N. J., assignors to Standard Oil Devel... pany. Stabilized wax composition. 2,625,...

Young, David W., Roselle, D. L. Cottle, Hi... and W. F. Fischer, Roselle Park, N. J., ... Standard Oil Development Company. Ke... sation products of bisphenyl type compound... Jan. 13.

Young, David W., Roselle, W. H. Smyers, Westfield, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Sulfonated high molecular weight styrene-olefin copolymers. 2,638,445, May 12.

Young, David W., Roselle, and B. M. Vanderbilt, Westfield, N. J., assignors to Standard Oil Development Company. Preparation of acyl P-amino-phenols. 2,653,158, Sept. 22.

Young, David W., Roselle, and D. L. Cottle, Highland Park, N. J., assignors to Standard Oil Development Company. Stabilized solid organic compositions containing acyl-p-aminophenols. 2,654,722, Oct. 6.

Young, David W., Roselle, and P. E. Hardy, Elizabeth, N. J., assignors to Standard Oil Development Company. Polyethylene compositions containing styreneisobutylene copolymers. 2,655,492, Oct. 13.

Young, David W., Roselle, and R. G. Newberg, Cranford, N. J., assignors to Standard Oil Development Company. Blends of elastomers with modified phenolic resins. 2,657,185, Oct. 27.

Young, Don H., and G. A. Houseman, Phoenix, Ariz. Luminous sign. 2,658,295, Nov. 10.

Young, Don W., and J. B. Trenholm, Jr., Dayton, Ohio. Graph plotting machine. 2,651,400, Sept. 8.

Young, Donald P., Sanderstead, England, assignor to The Distillers Company Limited, Edinburg, Scotland, Manufacture of glycols. 2,650,940, Sept. 1.

Young, Douglas, Inc., assignee: *See*—
Young, Lewis D.

Young, Douglass A., East Orange, L. J. Lunas, Cedar Grove, and J. C. Nycz, Towaco, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Recording instrument pen mechanism. 2,626,201, Jan. 20.

Young, Douglass A., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Moving-coil electrical instrument. 2,637,761, May 5

Young, Earle A.: *See*—
Bennett, Harold F., Young, and Hoag.

Young, Edwin H. P.: *See*—
Curd, Francis H. S., and Young.

Young, Elnar T.: *See*—
Butterworth, Gilbert J., and Young.

Young, Elnar T., Ridley Park, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,633,645, Apr. 7.

Young, Evan J.: *See*—
Bland, Marshall R., and Young.
Dvornikoff, Michael N., and Young.

Young, Evan J., Valley Park, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of 4-(acylsulfamyl) derivatives of anilic acids. 2,648,690, Aug. 11.

Young, Forrest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Consolidated rig. 2,650,065, Aug. 25.

Young, Forrest J., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Power plant for drilling rigs. 2,655,003, Oct. 13.

Young, Frank A.: *See*—
Hadley, Raymond F., Daugherty, and Young.

Young, Frank R., Houston, assignor of fifty percent to G. E. Little, Pasadena, Tex. Semiportable pipe storage rack. 2,633,247, Mar. 31.

Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Radiator header hose fitting. 2,625,412, Jan. 13.

Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Automobile radiator. 2,639,899, May 26.

Young, Harland H., Western Springs, and F. L. De Reukelaer, Chicago, assignors to Swift & Company, Chicago, Ill. Liquid glue composition. 2,658,001, Nov. 3.

Young, Harry M., Webster Groves, Mo. Wire-forming machine. 2,640,510, June 2.

Young, Harry M., Jr., Webster Groves, Mo. Hod stand. 2,646,239, July 21.

Young, Henry S., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Centralized traffic control system of the normally deenergized reversible coded track circuit type. 2,638,535, May 12.

Young, Herbert: *See*—
Quigley, Herbert, and Young.

Young, Herbert, assignor to National Brass Company, Grand Rapids, Mich. Push button construction. 2,639,932, May 26.

Young, Herbert, assignor to National Brass Company, Grand Rapids, Mich. Reinforced escutcheon plate. 2,642,302, June 16.

Young, Herbert, assignor to National Brass Company, Grand Rapids, Mich. Lost motion cartridge for keys in knob locks. 2,657,567, Nov. 3.

Young, Homer C., Milwaukee, Wis. Roofing retainer. 2,641,204, June 9.

Young, James F., Bridgeport, Conn., assignor to General Electric Company. Vibration dampener. 2,647,591, Aug. 4.

Young, James F., Bridgeport, Conn., assignor to General Electric Company. Operating mechanism for domestic ironing machines and the like. 2,654,166, Oct. 6.

Young, James F., Bridgeport, Conn., assignor to General Electric Company. Washing machine and vibration damping means therefor. 2,661,620, Dec. 8.

Young, James F., Erie, Pa., assignor to General Electric Company. Drive unit for domestic ironing machines and the like. 2,654,222, Oct. 6.

Young, James F., Erie, Pa., assignor to General Electric Company. Evaporator. 2,663,160, Dec. 22.

Young, Jay C., Angier, N. C. Magnetic toy trapeze. 2,648,158, Aug. 11.

Young, John B., Atlanta, Ga. Folding infant's chair. 2,634,794, Apr. 14.

Young, John F., Salem, assignor to Tracerlab, Inc., Boston, Mass. Shielding container for radioactive sources. 2,642,541, June 16.

Young, Joseph T., assignor of one-half to C. H. Wilson, Moline, Ill. Pneumatic cushion. 2,634,799, Apr. 14.

Young, Joseph W., Sutton, assignor to The Felters Company, Boston, Mass. Apparatus for feeding sheet materials. 2,637,551, May 5.

Young, L. A., Spring & Wire Corporation, assignee: *See*—
Carvelo, William, and Morgan.
Etchen, Fred L.
Heilman, Bernard.

Young, Larry L., Pasadena, Calif., and R. M. Wilmotte, assignors to Padevco, Inc., Washington, D. C. Multiple-decade differential counter. 2,646,926, July 28.

Young, Lawrence R., Seattle, Wash. Resilient clip or clamp. 2,649,641, Aug. 25.

Young, Le Roy F., Barrington, R. I. Vernier controlled indicator rod clamp. 2,627,118, Feb. 3.

Young, Lester C., Cleveland, Ohio, assignor to Spo, Inc. Jolt and draw foundry machine. 2,652,607, Sept. 22.

Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Cardboard box spring hinge. 2,648,485, Aug. 11.

Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Cardboard box. 2,648,486, Aug. 11.

Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Display box. 2,660,294, Nov. 24.

Young, Luther O., assignor to The Davison Chemical Corporation, Baltimore, Md. Silica flatting agent and manufacturing it. 2,625,492, Jan. 13.

Young, Marshall B., Dallas, Tex., assignor to The Ruberoid Co., New York, N. Y. Printing ink for Portland cement bases. 2,643,191, June 23.

Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation. Method and means for transmitting intelligence. 2,645,677, July 14.

Young, Norman H., Jr., Nutley, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Simultaneous control system for a plurality of picture signal characteristics. 2,660,613, Nov. 24.

Young, Orel E.: *See*—
Barker, Lyle M., and Young.

Young Radiator Company, assignee: *See*—
Stahn, James A., and Shaw.
Young, Fred M.
Zummach, John G.

Young, Reuben L., Philadelphia, Pa. Winding key for dispensing tubes. 2,633,270, Mar. 31.

Young, Richard W., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Mixed anhydrides of phosphite esters and preparing the same. 2,659,747, Nov. 17.

Young, Richard W., and R. Kinnicutt, Jr., assignors to Morgan Construction Company, Worcester, Mass. Handling of rod bundles or similar annuli. 2,643,756, June 30.

Young, Richard W., and J. Blodinger, Stamford, and A. D. Welcher, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of tetraalkylpyrophosphites. 2,660,603, Nov. 24.

Young, Sherwood L., assignor to C. F. Church Manufacturing Company, Monson, Mass. Hinge construction. 2,629,881, Mar. 3.

Young, Thomas, assignor to Durex Products, Incorporated, New York, N. Y. Laterally collapsible pessary. 2,625,154, Jan. 13.

Young, Vernon V., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Penicillin salts of N-methyl-(2-hydroxy-1,2-diphenylethyl)-amine. 2,645,638, July 14.

Young, Vernon V., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Penicillin salts of methylpentylamine. 2,647,893, Aug. 4.

Young, Vernon V., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Penicillin salts of n-methyl-(1,2-di-p-methoxyphenyl-2-hydroxyethyl) amine. 2,649,443, Aug. 18.

Young, Victor J.: *See*—
Browder, Jay E., and Young.

Young, Waldemar V.: *See*—
Higgins, Fred H., and Young.

Young, Walter H.: *See*—
Eldridge, Tausias I., Jr., Young, and MacRae.
Lloyd, Raymond G., and Young.

Young, Wilbur A., Wakefield, and J. C. Zaborski, West Warwick, R. I., assignors to Sun Chemical Corporation, Long Island City, N. Y. Aluminum soaps. 2,626,897, Jan. 27.

Young, William R.: *See*—
Bower, Bowman M., and Young.
Wickman, George E., and Young.

Young, William R., Fairfield, Conn. Receptacle support. 2,637,518, May 5.

Young, William R., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiotelephone receiving system employing a plurality of receivers. 2,636,982, Apr. 28.

Young, William R., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Noise detection circuit. 2,648,765, Aug. 11.

Young, Wilson G., Jr.: *See*—
Beamer, Paul W., and Young.

Youngberg, Charles H.: *See*—
Ochler, William P., and Youngberg.

Youngblood, Knowles, Atlanta, Ga. Shirt board. 2,648,469, Aug. 11.

Younger, Alexander R., London, England. Electric motor for sewing machines. 2,624,856, Jan. 6.

Younglove, David, Ilion, N. Y. Rearview mirror for automobiles. 2,663,224, Dec. 22.

Youngquist, Orrin G., M. A. Smook, and R. E. Brooks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Curing agents for chlorosulfonated polyethylene. 2,659,707, Nov. 17.

Youngren, Harold T., Birmingham, Mich., and S. V. Hettinger, Jr., Westchester, assignors to Borg-Warner Corporation, Chicago, Ill. Double countershaft transmission. 2,644,340, July 7.

Youngren, Harold T., Birmingham, Mich., and S. V. Hettinger, Jr., Westchester, assignors to Borg-Warner Corporation, Chicago, Ill. Double countershaft transmission. 2,654,261, Oct. 6.

Youngs, Alfred B., Yakima, Wash., assignor, by mesne assignments, to Deere & Company, Moline, Ill. Gauge wheel attachment for tool carriers. 2,648,271, Aug. 11.

Youngstown Sheet & Tube Company, The, assignee: *See*—
Aubrey, Richard, Jr., and V. J.

Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.
Jones, Clarence R.
Lute, Carl.
Madland, Gabriel.
Madland, Thorvald.
Madland, Thorvald, and Beauchamp.
Tipton, Alvin E.

Younkin, Charles R., Jackson, Mich. Magnetic screw driver. 2,653,636, Sept. 29.

Youtz, Philip N., assignee: *See*—
Moore, David P.

Youtz, Philip N., Yorktown Heights, N. Y. Form for casting elongated concrete building units T shape in cross section. 2,648,889, Aug. 18.

Youtz, Philip N., Yorktown Heights, N. Y. Tobacco pipe. 2,652,836, Sept. 22.

Yowell, Howard L.: *See*—
Lippincott, Samuel B., Baumgartner, and Yowell.

Ytterburg, Carl F., Yonkers, assignor to Kalman Floor Company, Incorporated, New York, N. Y. Concrete surfacing machine. 2,641,169, June 9.

Ytterberg, Carl F., Yonkers, assignor to Kalman Floor Company, Incorporated, New York, N. Y. Concrete surfacing machine. 2,654,298, Oct. 6.

Yuan, John C. C., Washington, D. C. Automatic cosmetic dispenser. 2,634,026, Apr. 7.

Yuba Manufacturing Company, assignee: *See*—
Harris, Robert L., and Lothrop.

Yuhas, Alexander, Buffalo, N. Y. Making artificial eyes. 2,635,290, Apr. 21.

Yujulco, Pedro S., Hagerstown, Md., and C. F. U. Stoner, Waynesboro, Pa., assignors to Fairchild Engine and Airplane Corporation. Aircraft cockpit canopy. 2,652,996, Sept. 22.

Yurgen, William J., Fort Wayne, Ind., assignor to United States Rubber Company, New York, N. Y. Treatment of rubber stock. 2,642,626, June 23.

Yusko, Stanley, Danville, Va. Oscillating toothbrush. 2,660,745, Dec. 1.

Yutzy, Henry C.: *See*—
Damschroder, Rudolph E., and Yutzy.

Yuza, Joseph J., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Sirup pump. 2,639,063, May 19.

Yzer, Jacobus A. L.: *See*—
Geeven, Gomarus M. A. C., and Yzer.

Z & W Machine Products, Inc., assignee: *See*—
Ziberi, Frank.

Zaba, Joseph, assignor to McEvoy Company, Houston, Tex. Gas lift system and apparatus therefor. 2,633,086, Mar. 31.

Zaba, Tadeusz, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Metal combustion chamber. 2,654,219, Oct. 6.

Zabel, Arnold E., Bremerton, Wash. Hinged automobile fender. 2,634,138, Apr. 7.

Zabel, Jacob, Newark, N. J. Feeding attachment for fur cutting machines. 2,624,917, Jan. 13.

Zabel, Lowell W., and R. W. Schmidt, Neenah, and R. H. Caston, Appleton, assignors to Paper Patents Company, Neenah, Wis. Indicating and recording equipment. 2,659,048, Nov. 10.

Zabel, William P., Cleveland Heights, Ohio, assignor to General Electric Company. Method and apparatus for applying electron emission material. 2,664,361, Dec. 29.

Zaber, Adolph J., assignor to Gray-Mills Corporation, Evanston, Ill. Parts washer with safety hose. 2,653,617, Sept. 29.

Zaborski, John C.: *See*—
Young, Wilbur A., and Zaborski.

Zabriskie, Arthur E., Jersey City, N. J., and M
New York, N. Y., assignors, by mesne assi
Steel and Alloy Tank Company, Newark, N.
thread cutter. 2,633,157, Mar. 31.

Zabriskie, Charles L., assignor to Essex Pro
New York, N. Y. Fire extinguisher structure.
Nov. 17.

Zabriskie, Douglas M.: *See*—
Halliden, Frederick G., and Zabriskie.

Zablocki, Charles J.: *See*—
Hayward, Frank W., and Zablocki.

Zaccard, Raymond T., Chicago, Ill. Canning
with can top gripping jaws. 2,654,521, Oct.

Zaccardo, Pascal C., and D. Iannone, Rose
Phonograph record cabinet with record sele
anism. 2,651,556, Sept. 8.

Zachariassen, Stig H. B., assignor to Aktieb
rator, Stockholm, Sweden. Device for sta
homogenizing liquid mixtures. 2,634,109, A

Zachary, Alexis, New York, N. Y. Hair curler.
June 2.

Zachary, Alexis, New York, N. Y. Magnetic
for lifting hairpins. 2,656,211, Oct. 20.

Zachary, Alexis, New York, N. Y. Hair trea
2,661,008, Dec. 1.

Zachary, James H., Arlington, Calif. Produc
substitute. 2,639,236, May 19.

Zachary, James H., Arlington, Calif. Apparatu
facturing artificial mushrooms. 2,652,008,

Zack, Bonnie J.: *See*—
Parker, Leon, and Zack.

Zademach, Erich R., Hillside, and W. W. Clar
assignors to Metalwash Machinery Company
N. J. Washing machine with endless wor
2,655,162, Oct. 13.

Zadnick, Otto: *See*—
Bowden, Andrew T., Muller, Kolb, Hry
Zadnick.

Zaenkert, Frederick A.: *See*—
Schmidt, Carl O., Jr., and Zaenkert.

Zaenkert, Frederick A., Greenhills, assignor to
nati Butchers' Supply Company, Cincin
Stuffer valve. 2,660,755, Dec. 1.

Zaffarano, Frank P., assignor to General Ra
Company, Rochester, N. Y. Pulse stretch
tion circuit. 2,638,511, May 12.

Zaffaroni, Alejandro, Rochester, N. Y., assign
S. A., Mexico City, Mexico. Production of
corticosterone by tissue oxidation of 17 a
gesterone. 2,643,970, June 30.

Zagray, Harold F., assignor, by mesne ass
Precision Building System, Inc., Canton,
locked building blocks. 2,634,602, Apr. 14.

Zagray, Harold F., assignor, by mesne ass
Precision Building System, Inc., Canton,
ing brick. 2,655,032, Oct. 13.

Zagray, Harold F., Canton, and F. W. Wach
assignors to Precision Building System,
Ohio. Grouting machine. 2,633,340, Mar.

Zahn, Elmer, Falfurrias, Tex. Mixing machin
May 12.

Zähner, Hans, Landquart, Switzerland. W
2,645,962, July 21.

Zaichick, Abraham R., Middletown, Conn.
game. 2,631,041, Mar. 10.

Zaiger, Louis, Swampscott, and R. I. Lappin,
Mass. Control system for windshield wiper
Aug. 18.

Zaiger, Max, assignee: *See*—
Nesson, Israel.

Zaikowsky, Nina D., assignee: *See*—
Zaikowsky, Wladimir M.

Zaikowsky, Wladimir M., Pasadena, Calif.,
N. D. Zaikowsky. Gas analyzer and use
May 26.

Zaino, Corradino R., Hyde Park, Mass., assig
inghouse Electric Corporation, East Pit
Fan. 2,628,017, Feb. 10.

Zajdel, Casimir M., Chicago, Ill. Length m
for work in lathes and screw machines
Aug. 18.

Zak, Alphonse J., Milwaukee, Wis. Fluid
transmission. 2,633,216, Mar. 31.

Zakarian, Arsham D., Del Mar, assignor to
Company, San Diego, Calif. Turbine st
anism. 2,651,910, Sept. 15.

Zakheim, Murray, assignor to The Pennsylva
ufacturing Company, Philadelphia, Pa.
zene hexachloride and a carrier. 2,627,48

Zakos, Evangelos, Brooklyn, N. Y. Shoul
support for telephone transmitter-receiver
June 30.

Zalduondo, John, Hato Rey, P. R. Electri
wall socket. 2,637,765, May 5.

Zaleski, John F., Queens Village, N. Y., ass
eral Precision Laboratory Incorporated.
detector. 2,649,544, Aug. 18.

Zaleski, John F., Valhalla, N. Y., assigno
Precision Laboratory Incorporated. A
rotating microwave energy. 2,628,278, F

Zaleski, John F., Valhalla, N. Y., assignor to
cision Laboratory Incorporated. Microw
vider. 2,634,332, Apr. 7.

Zaleski, John F., Valhalla, N. Y., assignor to General Precision Laboratory Incorporated. Microwave phase shifter. 2,647,950, Aug. 4.

Zaleski, John F., Valhalla, N. Y., assignor to General Precision Laboratory Incorporated. Microwave power divider and switch. 2,647,951, Aug. 4.

Zaleski, John F., Valhalla, N. Y., assignor to General Precision Laboratory Incorporated. Microwave hollow guide power divider. 2,649,575, Aug. 18.

Zaleski, John F., Valhalla, N. Y., assignor to General Precision Laboratory Incorporated. Microwave rotatable joint. 2,654,868, Oct. 6.

Zalkind, Albert M., Arlington, Va. Toy clock. 2,631,386, Mar. 17.

Zalkind, Albert M., Arlington, Va. Folding table. 2,655,417, Oct. 13.

Zalkind, Albert M., Arlington, Va. Infant's marble toy or rattle. 2,662,336, Dec. 15.

Zalkind, Joseph, New York, N. Y. Machine for sorting and selecting sheets or printed forms. 2,640,485, June 2.

Zalkind, Philip, New York, N. Y. Reinforced folder. 2,631,589, Mar. 17.

Zalkind, Philip, New York, N. Y. Index tab device. 2,649,796, Aug. 25.

Zallea, James P., Wilmington, Del. Making expansion joints. 2,631,640, Mar. 17.

Zalman, Alexander: *See*—
Secofsky, Abraham, Meisel, and Zalman.

Zaloudek, Theodore V.: *See*—
Gruen, Wolf J., and Zaloudek.

Zambito, Alphonse L.: *See*—
McClelland, Arthur J., Zambito, and Minneci.

Zamboni, Frank J., Hynes, Calif. Ice rink resurfacing machine. 2,642,679, June 23.

Zandelin, Johan S., Stockholm, assignor to Industriaktiebolaget Luxor, Motala, Sweden. Record changing phonograph. 2,641,474, June 9.

Zander, Nils A., Stow, Mass. Label applying machine. 2,641,377, June 9.

Zander, Rolf A.: *See*—
Vigren, Sten D., Claesson, and Zander.

Zander, Waldo H., Brookville, Ohio, assignor to McGraw Electric Company, Elgin, Ill. Electric heating element. 2,659,800, Nov. 17.

Zandlo, Stephen, assignee: *See*—
Nordstrom, Harry E.

Zanelli, Albert P., Wyckoff, N. J. Nail holding attachment for hammers. 2,652,082, Sept. 15.

Zanichkowsky, Martin: *See*—
Zaslavsky, Sam, and Zanichkowsky.

Zankl, Robert H., North Miami, Fla. Weathering operator for jalousie windows. 2,635,306, Apr. 21.

Zappia, Joseph P., Maple Heights, Ohio. Warning device for vehicles. 2,657,379, Oct. 27.

Zaremba Company, assignee: *See*—
Hughes, Burton S.
Schilt, Earl A.

Zarky, Bert, assignor to Motorola, Inc., Chicago, Ill. Transmit-receive switch. 2,654,834, Oct. 6.

Zarlengo, Dominic A., Denver, Colo. Corsage support. 2,660,771, Dec. 1.

Zarn, Adolphe, assignor to Societe Jaruza, A. G. Chur, Zurich, Switzerland. Flotation apparatus. 2,648,432, Aug. 11.

Zarobsky, Charles A., and J. F. Seybold, assignors to The Radiart Corporation, Cleveland, Ohio. Support for rotatable antenna structures. 2,650,051, Aug. 25.

Zaroff, William J., Philadelphia, Pa., and Ladislav Boor, Bethesda, Md., assignors to the United States of America as represented by the Secretary of the Army. Apparatus for measuring feet. 2,650,518, Sept. 1.

Zarski, Myron A., Brooklyn, N. Y. Accelerator controlled switch. 2,638,517, May 12.

Zarth, Charles E., assignor to Wingfoot Corporation, Akron, Ohio. Tire bead lock clip. 2,663,061, Dec. 22.

Zarth, William A.: *See*—
Doolittle, Howard D., Zarth, and Rheaume.

Zartman, John D.: *See*—
Talmadge, Palmer C., Zartman, and Prouty.

Zarur, Jorge S., Monterrey, Mexico. Fountain pen. 2,646,777, July 28.

Zaslavsky, Sam, Jackson Heights, and M. Zanichkowsky, Brooklyn, assignors to The Sperry Corporation, Great Neck, N. Y. Mode suppressing coupling for cavity wavemeters. 2,642,494, June 16.

Zastrow, Thomas S.: *See*—
Polivka, John N., and Zastrow.

Zatsky, Norman C.: *See*—
Dewey, Chalmers B., and Zatsky.

Zaugg, Harold E., H. Glenn, and M. Freifelder, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. 2,5-diketopiperazines. 2,650,223, Aug. 25.

Zaugg, Samuel, Solothurn, assignor to La Societe des Accumulateurs Elbric. S. A., Lausanne, Switzerland. Sealed storage cell and battery and manufacturing the same. 2,654,794, Oct. 6.

Zauner, Otto, Vineland, N. J. Egg washing machine. 2,640,210, June 2.

Zavoico, Stephen V., Lake Forest, Ill., assignor to The Eagle Lock Company, Terryville, Conn. Split head locking screw. 2,640,521, June 2.

Zavoico, Stephen V., West Hartford, assignor to The Eagle Lock Company, Terryville, Conn. Laminated lock body with name plate. 2,662,385, Dec. 15.

Zay, Anthony: *See*—
Wright, Richard H., and Zay.

Zazdrzyk, Edward, Brooklyn, N. Y. Toggle clamp. 2,630,035, Mar. 3.

Zbock, Frank: *See*—
Zbock, Peter W., and F.

Zbock, Peter W., and F., Bellaire, Ohio. Parachute, including a regulated air passage. 2,644,656, July 7.

Zbrojovka Brno, narodni podnik, Brno Arms Factory National Corporation, assignee: *See*—
Holek, Frantisek.

Zeamer, Aaron C., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Key touch regulating mechanism for typewriting machines. 2,624,439, Jan. 6.

Zeamer, Aaron C., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Silent key mechanism for typewriters. 2,633,223, Mar. 31.

Zearfoss, Elmer W., Jr., assignor to Philco Corporation, Philadelphia, Pa. Defrostable refrigeration system. 2,627,730, Feb. 10.

Zearfoss, Elmer W., Jr., assignor to Philco Corporation, Philadelphia, Pa. Method of and apparatus for refrigeration. 2,628,478, Feb. 17.

Zearfoss, Elmer W., Jr., assignor to Philco Corporation, Philadelphia, Pa. Two-temperature refrigerator with automatic defrosting. 2,647,375, Aug. 4.

Zebarth, Ralph S., Hickman Mills, assignor to Gordon Johnson Company, Kansas City, Mo. Rigid type shackle for hanging poultry. 2,639,463, May 26.

Zebree, David T., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Electric initiator. 2,624,280, Jan. 6.

Zebroski, Edwin L.: *See*—
Coplan, Burton V., and Zebroski.

Zecher, Ernest, Middletown, Ohio. Compensating mechanism connecting reciprocating member to a rotating member. 2,653,484, Sept. 29.

Zeder, Henry H., Pleasant Ridge, J. B. Dickson, Highland Park, and E. G. Zeeb, Grosse Pointe Woods, assignors to Chrysler Corporation, Highland Park, Mich. Visor apparatus. 2,648,566, Aug. 11.

Zediker, Ralph E., Buffalo, N. Y. Trouble light. 2,662,970, Dec. 15.

Zeeb, Elmer G.: *See*—
Zeder, Henry H., Dickson, and Zeeb.

Zeehuisen, Jacob J., Rijswijk, Netherlands. Production of textile fibers from blast fiber material by alkaline digestion. 2,639,988, May 26.

Zega, Frank, Bridgeport, Conn. Mechanical golf instruction aid. 2,653,025, Sept. 22.

Zegers, Willem F. H., assignee: *See*—
Vonders, Karel.

Zeh, Henry P.: *See*—
Kemp, Jacob D., and Zeh.

Zehnder, Herman F., Bay City, Mich. Garbage can cover lock. 2,661,974, Dec. 8.

Zehrbaugh, Frank H.: *See*—
Hawkins, Charles A., and Zehrbaugh.

Zehren, Arthur, Lomira, Wis. Stone gatherer. 2,652,678, Sept. 22.

Zeidler, Howard M.: *See*—
Hewlett, William R., and Zeidler.
Moore, Thomas E., Spangenberg, and Zeidler.

Zeidler, Kurt E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Floor protecting plate. 2,645,167, July 14.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Sprag type clutch. 2,633,952, Apr. 7.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Method and apparatus for adjusting clutch release levers. 2,657,732, Nov. 3.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch and lever assembly. 2,657,781, Nov. 3.

Zeidler, Reinhold C., and W. A. Barnes, Detroit, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Rotary turbine-type hydraulic torque converter. 2,663,149, Dec. 22.

Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser lifting mechanism for sewing machines. 2,625,895, Jan. 20.

Zeig, Leo J., Hearne, Tex. Universal traveling unloader sucker for cotton gins. 2,643,160, June 23.

Zeigenhein, William J.: *See*—
Welch, Nicholas A., and Zeigenhein.

Zeigler, James W., Oakland, Calif. Excess weight reducing mat. 2,652,049, Sept. 15.

Zeigler, Philip B.: *See*—
Lincoln, Clovis W., Zeigler, and Malone.
Lincoln, Clovis W., Zeigler, Verbrugge, and Sloan

Zeller, Karl, and K. Lenz, assignors to Anton Steinecker Maschinenfabrik A. G., Freising, Germany. Mixing kettle for cheese curd. 2,650,079, Aug. 25.

Zellman, Roy H., Elyria, assignor to The Thew Shovel Company, Lorain, Ohio. Manual control device with power booster. 2,635,582, Apr. 21.

Zelser, James F., Lafayette, Ind. Fence post driver and digger. 2,660,035, Nov. 24.

Zeiss-Opton Optische Werke Oberkochen G. m. b. H., assignee: *See*—
Bauersfeld, Walther.
Bauersfeld, Walther, and Bernhardt.
Hansen, Gerhard.
Vieweg, Alwin.

Zeitler, Arnold J., Toledo, Ohio. Baseboard radiator construction. 2,631,825, Mar. 17.

Zeitouni, Caesar D., assignee: *See*—
Brami, Joseph.

Zelenay, Ludwig, Culver City, Calif. Fabric covered button. 2,649,634, Aug. 25.

Zelenko, Gustave, Long Island City, N. Y. Window protector. 2,624,403, Jan. 6.

Zelik, Joseph F., F. A. Jennings, and F. A. High, assignors to The Vulcan Tool Company, Dayton, Ohio. Pneumatic grinder. 2,648,939, Aug. 18.

Zellbeck, Gustav: *See*—
Kohlmann, Hans, and Zellbeck.

Zeller, Lawrence, and E. Hayden, Windsor, Ontario, Canada. Wall structure of spaced blocks. 2,630,701, Mar. 10.

Zeller, Paul: *See*—
Isler, Otto, Hindley, and Zeller.

Zeller, Theodore J., Allentown, Pa., and S. H. Bingham, New York, N. Y. Folding stretcher. 2,650,373, Sept. 1.

Zelley, Walter G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brightening nickel. 2,638,410, May 12.

Zelley, Walter G., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Procedure and bath for plating on aluminum. 2,650,886, Sept. 1.

Zellner, Floyd L., Seattle, Wash. Low voltage switch. 2,632,072, Mar. 17.

Zellweger, Erwin, Zurich, Switzerland. Collapsible container. 2,630,234, Mar. 3.

Zelov, Victor I., Rosemont, Pa. Scientific instrument. 2,630,476, Mar. 3.

Zelov, Victor I., Rosemont, Pa. Housing for radio receivers. 2,630,526, Mar. 3.

Zemany, Paul D., Schenectady, N. Y., assignor to General Electric Company. Electrical vapor detector. 2,652,532, Sept. 15.

Zemba, John W., assignor to The Dow Chemical Company, Midland, Mich. Production of 6-chloro-O-cresol. 2,659,759, Nov. 17.

Zenda, Fred S., Cuyahoga Heights, Ohio. Collapsible and invertible lamp shade. 2,625,648, Jan. 13.

Zenftman, Henryk, Saltcoats, and R. McGillivray, Old Kilpatrick, Scotland, assignors to Imperial Chemical Industries Limited. Reaction of a phosphonic acid dichloride and a dihydroxy compound and resinous product. 2,636,020, Apr. 21.

Zenftman, Henryk, Saltcoats, and Andrew McLean, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Preparation of resinous aromatic polyphosphates. 2,636,876, Apr. 28.

Zeni, Adolph J., Brooklyn, N. Y. Adjustable packing case and the like. 2,628,737, Feb. 17.

Zenith Plastics Co., assignee: *See*—
Brucker, Milton.

Zenith Radio Corporation, assignee: *See*—
Adler, Robert.
Aram, Nathan W.
Bell, John F.
Bell, John F., and Nordby.
Bridges, Jack E.
Carnahsn, Chalon W.
Chelgren, Arvid E.
Cherry, Walter L., Jr.
Cotsworth, Albert, III.
Cotsworth, Albert, III, Gray, and Reeves.
Cottsworth, Albert.
Druz, Walter S.
Ellett, Alexander.
Gaudio, James C.
Gray, Richard O., and Roschke.
Herrick, Roswell H., and Roschke.
Howland, John R.
Kafka, Nicholas.
Knowles, Hugh S.
Morris, George V., and Miller.
Mullaney, Ralph A.
Price, Vernard L.
Reeves, Pierce E.
Roschke, Erwin M.
Roschke, Erwin M., and Druz.
Roschke, Erwin M., and Gray.
Spindler, Joseph C.
Stroh, Walter J.
Stroh, Walter J., and Druz.
Wagenknecht, Otto E.
Wandrey, Clarence W.

Zenk, Marwin G., Lewisville, Minn. Coat hanger. 2,653,739, Sept. 29.

Zenner, Walter J., Des Plaines, Ill. Multipurpose sectional top table. 2,633,395, Mar. 31.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Positive engaging clutch. 2,659,467, Nov. 17.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Tape controlled telegraph transmitter. 2,659,767, Nov. 17.

Zeno, Manuel, Santurce, P. R. Wall alignment [illegible] 2,641,846, June 16.

Zenor, Hughes M., Houston, Tex., assignor, by signments, to Standard Oil Development Comp beth, N. J. Underwater measuring device. May 12.

Zentgraf, John A., Ardmore, Pa., assignor to Rand Inc., New York, N. Y. Universal decod nism. 2,633,491, Mar. 31.

Zentmire, Virgil R., Seward, Territory of Alas attachment for furniture. 2,635,680, Apr. 2

Zentmyer, David T.: *See*—
Breuer, Frederick W., and Zentmyer.

Zentner, Margaret R., West Orange, assignor to La Roche Inc., Nutley, N. J. Aqueous en lipoid-soluble vitamins. 2,628,930, Feb. 17.

Zeprun, Jack M., Roxbury, Mass. Baigle cuttin 2,633,813, Apr. 7.

Zerbe, Frederick K., Houston, Tex., assignor to Corporation, Milwaukee, Wis. Pressure ves seal. 2,627,361, Feb. 3.

Zerbe, Richard O., Nitro, W. Va., assignor to Chemical Company, St. Louis, Mo. Vulcani and product thereof. 2,651,625, Sept. 8.

Zerbe, Richard O., Nitro, W. Va., assignor to Chemical Company, St. Louis, Mo. Tri-est droxy alkyl thio succinic acids. 2,654,773,

Zerbe, Richard O., Nitro, W. Va., assignor to Chemical Company, St. Louis, Mo. Sulfid diarylamines. 2,659,724, Nov. 17.

Zerner, Ernst, and M. W. Pollock, New York to Sun Chemical Corporation, Long Island Copolymers of acrylonitrile with N-acroyl methylene diamides. 2,627,512, Feb. 3.

Zerner, Ernst, and M. W. Pollock, New York to Sun Chemical Corporation, Long Island Ethylene imine-acrylyl triazine reaction 2,651,631, Sept. 8.

Zero Hour Bomb Company, assignee: *See*—
Schillinger, Willy A.

Zero Manufacturing Company, assignee: *See*—
Duncan, George R.

Zerweck, Werner and M. Schubert, assignors Farbwerke Mainkur Aktiengesellschaft, Fra Main Fechenheim, Germany. Alkali met a cobalt complex of ethylene-bisimino-dia 2,645,653, July 14.

Zesbaugh, Lawrence G., assignor to Minnesota Paper Company, Minneapolis, Minn. For 2,662,451, Dec. 15.

Zesch, Eugene M., Shillington, assignor to Ros ting Company, Laureldale, and Karl Lieberk Reading, Pa. Knitting machine. 2,625,024.

Zesch, Eugene M., Shillington, assignor to K knecht, Inc., Reading, Pa. Fabric take-up 2,625,025, Jan. 13.

Zettlemoyer, Albert C., Bethlehem, Pa., and stein, Brooklyn, N. Y., assignors to Nation Ink Research Institute, Bethlehem, Pa. Ink proved drying properties. 2,640,783, June 2

Zettlemoyer, Albert C., W. C. Walker, and W Bethlehem, Pa., assignors to Food Machinery ical Corporation. Catalytic esterificatio 2,644,839, July 7.

Zick, Carl S., Ripon, Wis. Bobbin device. Jan. 27.

Zickendraht, Christian, Binningen, assignor to ited, Basel, Switzerland. Manufacture of hydroxybenzene-sulfonic acid amides. Aug. 18.

Zickendraht, Christian, Binningen, and R. W signors to Ciba Limited, Basel, Switzerla liferous monoazo dyestuffs. 2,653,926, Sept

Zide, Ralph, assignor to Perc-Tone Aluminum Inc., Brooklyn, N. Y. Percolator with sig 2,630,111, Mar. 3.

Zide, Ralph, assignor to Perc-Tone Aluminum Inc., Brooklyn, N. Y. Signal means for perc similar appliances. 2,630,112, Mar. 3.

Zide, Ralph, assignor to Perc-Tone Aluminum Inc., Brooklyn, N. Y. Percolator cover w signal means. 2,630,113, Mar. 3.

Ziebell, Harvey R., Oshkosh, Wis. Foldin 2,657,491, Nov. 3.

Ziebolz, Herbert: *See*—
Greenwood, Ivan A., Jr., Ziebolz, and Cha
MacLea, Robert K., Jr., Greenwood, and

Ziebolz, Herbert, assignor to Askania Regulato Chicago, Ill. Butterfly valve. 2,624,541, Ja

Ziebolz, Herbert, assignor to Askania Regulato Chicago, Ill. Jet pipe assembly. 2,633,385,

Ziebolz, Herbert, assignor to Askania Regu pany, Chicago, Ill. System for proportioni to control signal magnitude. 2,655,902, O

Ziegelhoefer, Edward G.: *See*—
Uhl, William H., and Ziegelhoefer.

Ziegenfuss, Truman S., Los Angeles, Calif. bed lounge. 2,630,581, Mar. 10.

Ziegelman, Wesley K., Los Angeles, Calif. Ap regenerating water softeners. 2,628,192, F

Ziegler, Arthur W., Short Hills, N. J., assig Telephone Laboratories, Incorporated, New Piezoelectric crystal unit. 2,657,320, Oct

Ziegler, Tobias F., Chicago, Ill. Multipart retractable structure. 2,661,082, Dec. 1.

Zielaskowski, Orville W., Corvallis, Oreg. Device for taking inseam measurement of trousers. 2,645,015, July 14.

Ziemianin, John J., Jr., Chicago, Ill. Switchboard plug. 2,657,369, Oct. 27.

Zientowski, Edward L., Toledo, Ohio. Fishing reel. 2,633,308, Mar. 31.

Zienty, Ferdinand B.: *See*—
De Garmo, Oliver, and Zienty.
Kyrides, Lucas P., and Zienty.

Zienty, Ferdinand B., Brentwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of p'(benzoylsulfamyl) phthalanilic acid. 2,648,689, Aug. 11.

Ziese, Carl H., Oklahoma City, Okla. Tool for changing fluorescent lamp tubes. 2,658,786, Nov. 10.

Ziese, Carl H., Oklahoma City, Okla. Tool for changing fluorescent lamp tubes. 2,658,787, Nov. 10.

Ziffer, Garret F., Cambridge, Mass., assignor to General Electric Company. High-frequency communication system. 2,647,993, Aug. 4.

Zigan, Carl J.: *See*—
Wolf, Anthony S., and Zigan.

Zig Zag Spring Co., assignee: *See*—
Norman, Harry H.

Ziherl, Frank, Euclid, Ohio, assignor to Z & W Machine Products, Inc. Manufacturing pipe fittings and the like. 2,647,303, Aug. 4.

Ziherl, Frank, Euclid, Ohio, assignor to Z & W Machine Products, Inc. Spraying device with swivel nozzle. 2,647,796, Aug. 4.

Ziherl, Frank, Euclid, Ohio, assignor to Z & W Machine Products, Inc. Electrical spraying device. 2,648,017, Aug. 4.

Zijp, Pieter: *See*—
Boelens, Willem W., and Zijp.

Zikmund, Edward J., and S. E. Hatchett, Syracuse, N. Y., assignors to General Electric Company. Switch wafer mounting clip. 2,644,063, June 30.

Zila Manufacturing Corporation, assignee: *See*—
Drake, Edward P.

Ziler, Verne M., Crescent City, Calif. Sun-stop visor attachment. 2,629,626, Feb. 24.

Zileri, Alberto L. J., and M. Freudenstein, Buenos Aires, Argentina. Steered trundle toy. 2,647,343, Aug. 4.

Zim Manufacturing Company, assignee: *See*—
Berkman, Herbert A.

Zimarik, John, Akron, Ohio. Apparatus for pressing sheets. 2,645,044, July 14.

Zimic, Michael, Lake Success, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Knitting machine. 2,644,323, July 7.

Zimic, Michael, New York, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Knitting machine. 2,653,460, Sept. 29.

Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latching mechanism for hopper doors. 2,630,770, Mar. 10.

Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Latching device for hopper cars. 2,638,062, May 12.

Zimmer, Albert E., Chicago, Ill., and G. B. Dorey, Westmount, Quebec, Canada, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Latching mechanism for doors for hopper type railway cars. 2,641,198, June 9.

Zimmer, Clyde R., assignor to E. J. Brach & Sons, Chicago, Ill. Device for depositing centers in candy pieces. 2,642,010, June 16.

Zimmer, Josef W., Glendale, Mo. Steerable toy truck. 2,642,700, June 23.

Zimmer, Josef W., Glendale, Mo. Driving skill test game apparatus. 2,650,094, Aug. 25.

Zimmer, Theodor, and E. Fenner, Erlangen, Germany. Electrical high-vacuum discharge tube. 2,664,516, Dec. 29.

Zimmerman, Adam, St. Clair Shores, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Apparatus for polishing. 2,648,176, Aug. 11.

Zimmerman, Carl W., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Calibration of logging systems. 2,633,484, Mar. 31.

Zimmerman, Carl W., Dallas, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Temperature compensated susceptibility logging system. 2,640,869, June 2.

Zimmerman, Clarence C.: *See*—
Kent, John B., and Zimmerman.

Zimmerman, George D., Pelham Manor, N. Y. Remote indicator driving attachment for gas metering devices. 2,630,714, Mar. 10.

Zimmerman, Harry, New York, N. Y. Musical toy. 2,625,069, Jan. 13.

Zimmerman, Harry, New York, N. Y. Magnetic dart-projecting toy. 2,627,260, Feb. 3.

Zimmerman, Harry, Toronto, Ontario, Canada. Polishing and buffing wheel. 2,643,493, June 30.

Zimmerman, Haven M.: *See*—
Robb, Clarence C., and Zimmerman.

Zimmerman, Herman M., Cleveland, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Forming a wet cathode portion. 2,642,628, June 23.

Zimmerman, Jerome G., West Milton, assignor to The Standard Register Company, Dayton, Ohio. Manifolding transfer and making. 2,653,110, Sept. 22.

Zimmerman, Jerome G., West Milton, assignor to The Standard Register Company, Dayton, Ohio. Manifolding transfer and making. 2,663,579, Dec. 22.

Zimmerman, Jerome G., West Milton, assignor to The Standard Register Company, Dayton, Ohio. Manifold sheet and making same. 2,663,653, Dec. 22.

Zimmerman, Joseph J., assignor to The Electronic Secretary, Inc., Milwaukee, Wis. Combination timing and telephone circuit controlling system. 2,653,195, Sept. 22.

Zimmerman, Louis, Newcastle-on-Tyne, England, assignor to Clearing Machine Corporation, Chicago, Ill. Hydraulic press. 2,642,023, June 16.

Zimmerman, Max, New York, N. Y. Toothbrush. 2,651,070, Sept. 8.

Zimmerman, Percy W., and A. E. Hitchcock, assignors to Boyce Thompson Institute for Plant Research, Inc., Yonkers, N. Y. Killing plants. 2,626,862, Jan. 27.

Zimmerman, Philip B.: *See*—
Baker, Reuben C., and Zimmerman.

Zimmerman, Robert F., and J. H. Hoge, assignors to Hoge, Warren, Zimmerman Co., Cincinnati, Ohio. Continuously preparing a gypsum slurry. 2,625,381, Jan. 13.

Zimmerman, Robert N., Tucson, Ariz. Engine low oil indicator. 2,650,969, Sept. 1.

Zimmerman, Walter J., Punxsutawney, Pa. Mop and squeegee combined. 2,640,214, June 2.

Zimmerman, Willy E., assignor to Standard Packaging Corporation, Chicago, Ill. Machine for dating and applying closures to bottles. 2,639,850, May 26.

Zimmermann, Joseph J., assignor to The Electronic Secretary, Inc., Milwaukee, Wis. Telephone answering and message recording device. 2,658,107, Nov. 3.

Zimmermann, William F.: *See*—
Oliner, Albert, and Zimmermann.

Zimov, Erwin D., Cincinnati, Ohio. Infant's bath. 2,661,482, Dec. 8.

Zindler, Roger R., Benton Harbor, assignor, by mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich. Combined service and auxiliary disk brake. 2,633,941, Apr. 7.

Zingg, Emil F., Berneck, assignor to Societe de la Viscose Suisse, Emmenbrucke, Switzerland. Axially expandable stand for the liquid after treatment of yarn packages. 2,656,703, Oct. 27.

Zink, Alvin J., Jr.: *See*—
Boothroyd, Harold W., and Zink.

Zink, Donald G.: *See*—
Burgison, Raymond M., Forman, and Zink.

Zink, William L., Plano, assignor to Sears, Roebuck and Co., Chicago, Ill. Earth scraper apparatus. 2,634,517, Apr. 14.

Zinken, Louis N., St. Cloud, Minn. Mason's trig line holder. 2,629,177, Feb. 24.

Zinken, Louis N., St. Paul, Minn. Guideline holder. 2,629,178, Feb. 24.

Zinn, Clarence A., and H. G. Perkins, assignors to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Rotary turret for multiple spindle polishing and buffing machines. 2,649,668, Aug. 25.

Zinn, Julius A., Jr., Chicago, Ill. Conveyer and adhesive applicator for carton blanks. 2,651,283, Sept. 8.

Zinn, Julius A., Jr., Chicago, Ill. Carton. 2,652,186, Sept. 15.

Zinn, Julius A., Jr., Chicago, Ill. Apparatus for applying hot melt adhesive to carton blanks. 2,659,340, Nov. 17.

Zinn, Julius A., Jr., Chicago, Ill. Laminated carton. 2,661,141, Dec. 1.

Zinn, Julius A., Jr., Chicago, Ill., O. Wennberg, Manhasset, and J. Swendsen, Lynbrook, N. Y.; said Wennberg and said Swendsen assignors to said Zinn. Wax coating apparatus. 2,651,284, Sept. 8.

Zinsco Electrical Products, assignee: *See*—
Locher, Ross E.

Zinszer, William K., Pasadena, assignor to Gladding, McBean & Co., Los Angeles, Calif. Chemically bonded carbon refractory. 2,626,871, Jan. 27.

Zint, George, Wapakoneta, Ohio. Tobacco feeding device. 2,642,878, June 23.

Zinty, Marcel J., New York, N. Y., assignor to Magnus Chemical Company, Inc., Garwood, N. J. Chip removing method and apparatus. 2,628,460, Feb. 17.

Ziomek, Frank, Brooklyn, N. Y. Safety lock for automobile doors. 2,660,874, Dec. 1.

Zion, Forest L.: *See*—
Nichols, Charles A., Clevenger, Zion, and Fletcher.

Zipper, Walter J., Santa Monica, Calif. Powder box. 2,633,265, Mar. 31.

Zippler, Arthur G., Philadelphia, Pa. Electrical interlock. 2,639,007, May 19.

Zippo Manufacturing Company, assignee: *See*—
Avis Walter R.

Zirzow, Elmer C.: *See*—
Dietert, Harry W., Adair, and Zirzow.

Ziska, Adam, Wauwatosa, assignor to Badger Vending Machines Co., Milwaukee, Wis. Dispensing device. 2,635,025, Apr. 14.

Ziska, Adam, Wauwatosa, assignor to S. M. Kaufman, Milwaukee, Wis. Vending machine. 2,639,207, May 19.

Ziskal, Joseph F., Cicero, Ill., assignor to International Harvester Company. Pilot operated quick opening control valve. 2,625,177, Jan. 13.

Ziskal, Joseph F., Brookfield, Ill., assignor to International Harvester Company. Hydraulic control circuit and valve for hydraulic rams. 2,654,349, Oct. 6.

Zisman, William A., Washington, D. C., and H. R. Baker, Mount Rainier, Md. Water displacing rust preventive compositions and coating a base therewith. 2,647,839, Aug. 4.

Zitner, Berthold R., Milwaukee, Wis. Machine-tool table work clamp. 2,627,787, Feb. 10.

Zitomer, Abe, Milwaukee, Wis. Window structure. 2,630,891, Mar. 10.

Zitzewitz, Barbara O., assignee: *See*—
Vischer, Alfred, Jr.

Zitzewitz, Elmer K., assignee: *See*—
Vischer, Alfred, Jr.

Zitzewitz, Gertrude J., assignee: *See*—
Vischer, Alfred, Jr.

Zitzewitz, Walter W., assignee: *See*—
Vischer, Alfred, Jr.

Zizzi, Frank T.: *See*—
Bennett, Maurice D., and Zizzi.

Zmuda, Andrew W., and T. H. Mitzelfeld, assignors to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,660,990, Dec. 1.

Zmuda, Andrew W., assignor to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,664,075, Dec. 29.

Zobel, Theodor W.: *See*—
Eckert, Ernst R. G., and Zobel.

Zobel, Theodor W., Braunschweig, Germany. Interferometer and Schlieren apparatus with unusually large measuring field. 2,636,345, Apr. 28.

Zobel, Theodor W., Braunschweig, Germany, assignor to the United States of America as represented by the Secretary of the United States Air Force. Schlieren apparatus of improved optical quality. 2,642,770, June 23.

Zobel, Theodor W., Braunschweig, Germany. Interferometer apparatus with measuring grid. 2,648,250, Aug. 11.

Zobel, Theodor W., Braunschweig, Germany. Interference-Schlieren apparatus. 2,660,915, Dec. 1.

Zobel, Theodor W., Dayton, Ohio. Interference Schlieren apparatus of unusually large dimensions, having means for improving the interference quality by selective one point deformation of the reflecting elements of the device. 2,629,283, Feb. 24.

Zobel, Theodor W., Braunschweig, and F. Mirus, Weiner, Germany. Method and test equipment for measuring the quality of glass surfaces of unusually large dimensions under different supporting and loading conditions. 2,641,958, June 16.

Zobel, Theodor W., Braunschweig, and F. Mirus, Weiner, Germany. Interferometer using liquid mirrors. 2,647,434, Aug. 4.

Zobel, Theodor W., Braunschweig, and F. Mirus, Weiner, Germany. Test equipment for measuring the flatness and plane parallelism of glass surfaces of any desired size and thickness by light wave interference. 2,660,916, Dec. 1.

ZoBell, Claude E., La Jolla, Calif., assignor to Texaco Development Corporation, New York, N. Y. Removing sulfur from petroleum hydrocarbon and apparatus. 2,641,564, June 9.

ZoBell, Claude E., La Jolla, Calif., assignor to Texaco Development Corporation, New York, N. Y. Recovery of hydrocarbons. 2,641,566, June 9.

Zoblan, James G., Roslyn, N. Y. Stand lamp having an illuminated base. 2,638,533, May 12.

Zoebelein, Hugo: *See*—
Gruber, Wolfgang, Heckmaier, and Zoebelein.

Zoerb, Howard M., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Gyratory crusher and liner and mantle therefor. 2,635,818, Apr. 21.

Zoll, Carl M., assignor to Hydro Power, Inc., New Orleans, La. Rotary fluid motor or pump having axially sliding vanes. 2,646,753, July 28.

Zoll, Carl M., assignor to Hydro Power, Inc., New Orleans, La. Duplicating milling machine. 2,661,661, Dec. 8.

Zollars, Richard U., and J. D. Lawson, Ottumwa, Iowa, and J. H. Berry, Rock Island, Ill., assignors to Deere Manufacturing Co., Dubuque, Iowa. Material-handling machine. 2,639,949, May 26.

Zoller, Ronald E., London, England, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Gas turbine combustor having helically directed openings to admit steam and secondary air. 2,636,345, Apr. 28.

Zöllner, Hans: *See*—
Leuchs, Friedrich, and Zöllner.

Zonner, William A., Watertown, assignor to St. Regis Paper Company, New York, N. Y. Paper coating machine. 2,645,199, July 14.

Zons, Frederick W., Brooklyn, N. Y. Method of and apparatus for sealing ampoules. 2,639,554, May 26.

Zore, Edward F., Milwaukee, Wis., assignor to Handee Products, Inc. Pattern tool. 2,659,983, Nov. 24.

Zotos, George, Lausanne, Switzerland. Process of and means for the continuous running of industrial furnaces. 2,637,544, May 5.

Zowaski, Frank W., Wawayanda, N. Y. Ditch wheel-type ditch diggers. 2,652,641, Sept. 2

Zozulin, Igor V.: *See*—
Okulitch, George J., and Zozulin.

Zozulin, Igor V., G. J. Okulitch, G. M. V. Okulitch, and A. S. J. Ellett, Vancouver, Br bia, Canada. Drive coupling of the perma type. 2,640,166, May 26.

Zschau, Raymond M.: *See*—
Rowe, Edgar A., and Zschau.

Zubaty, Joseph, assignor to Gelling Industr Welland, Ontario, Canada. Speed regulato motors. 2,628,295, Feb. 10.

Zuber, Otto, Oberuzwil, assignor to Gebru Uzwil, Switzerland. Feeder for granular bu 2,632,584, Mar. 24.

Zuber, Walter J., Abbotsford, Wis. Sash lock Apr. 21.

Zublin, John A., Los Angeles, Calif. Diamond rotary well drilling. Re. 23,632, Mar. 10.

Zublin, John A., Los Angeles, Calif. Apparat ing curved bores deviating from existing bores. 2,631,820, Mar. 17.

Zublin, John A., Los Angeles, Calif. Apparat ing curved lateral bores deviating from an bore. 2,634,097, Apr. 7.

Zublin, John A., Los Angeles, Calif. Appara tiating and drilling deviating curved bores ing vertical well bores. 2,642,267, June 16.

Zublin, John A., Los Angeles, Calif. Stabil tus for drilling curved bores deviating fr vertical well bores. 2,651,499, Sept. 8.

Zublin, John A., Los Angeles, Calif. Appara trolling the course of a lateral bore dev a vertical well bore. 2,664,270, Dec. 29.

Zuccarini, Avio: *See*—
Capstack, Eugene J., Weber, and Zuccari

Zuchowski, Edward S.: *See*—
Eberle, George A., Zuchowski, and Maltbie

Zucker, Morris A., Bronx, N. Y. Embroid ment for zigzag sewing machines. 2,645,1

Zuckerman, Adolph M., assignor to R. Hoe New York, N. Y. Printing, folding, and c to make books. 2,631,845, Mar. 17.

Zuckerman, Milton, Brooklyn, N. Y. Electri tus for switching on and off a number of accordance with a prescribed cycle. 2,635,1

Zuckerman, Milton, Brooklyn, N. Y. De 2,658,975, Nov. 10.

Zuckerman, Sidney, Freehold, N. J., assignor to A. C. Nolte. Identification clip. 2,624,08

Zuehlke, Arthur A., assignor to Taylor Instr panies, Rochester, N. Y. Vane type 2,632,329, Mar. 24.

Zuhn, Arthur A., East Peoria, assignor to Tractor Co., Peoria, Ill. Resilient suppor 2,631,810, Mar. 17.

Zuhn, Bernard M.: *See*—
Lind, Alvin C., and Zuhn.

Zukoski, Charles F., Webster Groves, Mo. indicating device. 2,648,336, Aug. 11.

Zullo, Vincent J., Chicago, Ill. Automobile frame. 2,651,540, Sept. 8.

Zumbach Motor Repair Company, assignee: *See* Stone, James T.

Zum Bruennen, Frederick R., Monroe, Wis. 2,646,735, July 28.

Zumbusch, Peter C.: *See*—
Wisiicenus, George F., and Zumbusch.

Zummach, John G., Brownsville, Tex., assigne Radiator Company, Racine, Wis. W 2,641,823, June 16.

Zummach, Karl G., assignor to Briggs Manufa Detroit, Mich. Automobile body front en 2,654,634, Oct. 6.

Zumwalt, Lloyd R.: *See*—
Kohl, Jerome, Reid, and Zumwalt.

Zumwalt, Robert F., Kenmore, assignor to W Corporation, North Tonawanda, N. Y. M with liquid spring actuated ram. 2,660,984

Zupancic, Tony R., Cleveland, Ohio. Fisherm 2,643,151, June 23.

Zurlo, Carl J., Marysville, Wash. Antipick 2,639,691, May 26.

Zurn, J. A., Manufacturing Company, assigne Heindlhofer, Kalman.

Zurzolo, William, East Elmhurst, N. Y. Bla ing retainer device for baby cribs. 2,637,04

Zuschlag, Theodore: *See*—
Lundberg, Hans T. F., and Zuschlag.

Zuss, Sidney, Brooklyn, N. Y. Display cabine and the like. 2,634,186, Apr. 7.

Zutter, Hans: *See*—
Suter, Hans, Stocker, and Zutter.

Zuzelo, Edward A., Bywood, assignor to Victo ing Corporation, Philadelphia, Pa. Ma 2,624,984, Jan. 13.

Zvanut, Carl M., Alton, assignor to Olin Indu East Alton, Ill. Melting furnace with th reception means. 2,655,550, Oct. 13.

Zwaard, Henricus C. A., Rijswijk, assignor t fabriek Reineveld, N. V., Delft, Netherland apparatus for laundry work. 2,645,035, Ju

Zwaard, Henricus C. A., Rijswijk, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Laundry ironing machine. 2,637,483, Nov. 3.
Zwack, Raymond T.: *See*—
Knapp, George P., Burns, Robbins, and Zwack.
Zweidler, Reinhard: *See*—
Hausermann, Heinrich, and Zweidler.
Zweifel, Hans-Heini, and F. Ackermann, Binningen, assignors to Ciba Limited, Basel, Switzerland. Brightening foodstuffs containing carbohydrates. 2,646,355, July 21.
Zweigbaum, Edward D., New York, N. Y. Bag. 2,662,619, Dec. 15.
Zwick, Kurt, Munich, assignor to Hans Decktel, Munich-Solln, and F. W. Deckel, Post Tutzing, Germany. Hold-down clamp. 2,650,523, Sept. 1.
Zwickey, Clifford J., North St. Paul, Minn. Arrowhead with resilient arms. 2,628,837, Feb. 17.
Zwicky, John F.: *See*—
Simpson, Arthur J., and Zwicky.
Zwight, Daniel H.: *See*—
Stemm, Irwin G., and Zwight.
Zwikker, Cornelis, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for transmitting and receiving light signals. 2,662,169, Dec. 8.
Zwirek, Paul P., assignor of one-half to New Orleans Furniture Manufacturing Company, New Orleans, La. Sander attachment for shaping machines. 2,627,706, Feb. 10.
Zwobada, René: *See*—
Touraton, Emile, and Zwobada.

1953
LIST OF DESIGN PATENTEES

Aasland, Byron T., and M. W. Bloom, Kankakee, and W. L. Zink, Plano, assignors to Sears, Roebuck and Co., Chicago, Ill. Three-wheeled tractor. 171,178, Dec. 29.
Aberman, Sheldon J., Miami Beach, Fla. Handbag. 170,490, Sept. 29.
Aberman, Sheldon J., Miami, Beach, Fla. Handbag. 170,491, Sept. 29.
Aberman, Sheldon J., Miami Beach, Fla. Handbag. 170,958, Dec. 1.
Aberman, Sheldon J., Miami Beach, Fla. Handbag. 170,959, Dec. 1.
Aberman, Sheldon J., Miami Beach, Fla. Handbag. 171,019, Dec. 8.
Aberman, Sheldon J., Miami Beach, Fla. Handbag. 171,072, Dec. 15.
Abrahams, Howard, Arverne, and I. Ruina, New York, N. Y. Gift wrapping display package. 170,617, Oct. 20.
Abrams, Nicholas, Los Angeles, assignor to Lee Products, Inc., Pasadena, Calif. Combined whisk broom and window wiper. 169,571, May 19.
Achison, Victor: *See*—
Danziger, William, and Achison.
Ackerman, Jackie, assignor to Guild Radio and Television Company, Los Angeles, Calif. Radio cabinet or similar article. 170,439, Sept. 22.
Acme Steel Company, assignee: *See*—
Wilson, Allen B.
Adams, Marguerite, Manteca, Calif. Powder dispensing doll. 168,876, Feb. 24.
Adkinson, Joseph E., York, Pa., assignor to Thonet Industries, Inc., New York, N. Y. Chair. 171,116, Dec. 22.
Adler, Samuel E., Chicago, Ill. Television cabinet. 168,643, Jan. 20.
Adler, Samuel E., Chicago, Ill. Combined clock and radio cabinet. 168,723, Feb. 3.
Adler, Samuel E., Chicago, Ill. Television cabinet. 170,140, Aug. 11.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination radio-television cabinet control panel. 170,347, Sept. 8.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Television cabinet control panel. 170,394, Sept. 15.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Radio cabinet. 170,618, Oct. 20.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Radio cabinet. 170,619, Oct. 20.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination clock and radio cabinet. 170,620, Oct. 20.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination radio clock and pen set. 170,738, Nov. 3.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Radio-phonograph cabinet panel. 170,789, Nov. 10.
Admiral Corporation, assignee: *See*—
Adler, Samuel E.
Wilson, Lawrence H.
Afco-Lite Corporation, assignee: *See*—
Rusnak, William, and Stoll.
Agee, Charles W., assignor to Samuel Stamping & Enameling Company, Chattanooga, Tenn. Stove grid. 169,719, June 2.
Aidlin, Samuel S.: *See*—
Mitchell, Charles W., and Aidlin.
Ainsworth, George, New Hyde Park, N. Y. Fluorescent tube lighting fixture. 169,999, July 14.
Air-Maze Corporation, assignee: *See*—
Sobeck, Harold R.
Ajax Engineering Corporation, assignee: *See*—
Tama, Mario.
Alfa Romeo Società per Azioni, assignee: *See*—
Colombo, Gioacchino.
All American Engineering Company, assignee: *See*—
Green, Howard S.
Allen, Grosvenor N., Oneida, N. Y., and M. P. Fleming, Newark, N. J., assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 168,877, Feb. 24.
Allen, Harold D., East Hampton, Conn. Wheeled toy. 170,106, Aug. 4.
Alsup, Winfield W., assignor to The J. B. Beaird Company, Inc., Shreveport, La. Portable fluid dispensing unit. 170,440, Sept. 22.
Altemiller, Arthur D., Affton, Mo., assignor to Hercules Steel Products Corporation, Galion, Ohio. Combination hot dog steamer and bun warmer. 168,817, Feb. 17.
Altemiller, Arthur D., Affton, Mo., assignor to Hercules Steel Products Corporation, Galion, Ohio. Combination popcorn warming and display cabinet. 170,040, July 21.
Alumasc Limited, assignee: *See*—
Raylor, Walter.
Aluminum Company of America, assignee: *See*—
Guild, Lurelle.
Painter, David L.
Amana Refrigeration, Inc., assignee: *See*—
Budlong, Robert D.
Ament, Herman, New York, N. Y. Combination sear
and thread picker. 169,572, May 19.
American Cabinet Hardware Corporation, assignee
Borchers, Earl M.
American Fabrics Company, The, assignee: *See*—
Poor, Nathan H.
American Floor Surfacing Machine Company, T
signee: *See*—
Latimer, Charles A., and Freund.
American Furniture Company, assignee: *See*—
Gershun, Merton L.
American Greetings Corporation, assignee: *See*—
Zel, Joe, and Latimer.
American Hospital Supply Corporation, assignee:
Borin, Harlan F.
American Optical Company, assignee: *See*—
Armbruster, John T.
Bauer, Ralph J. T.
Bauer, Ralph J. T., and De Angelis.
Carmichael, Walter C.
American-Olean Tile Company, assignee: *See*—
Fisher, Lester L.
American Radiator & Standard Sanitary Corporat
signee: *See*—
Trout, Harry R., and Hill.
American Seating Company, assignee: *See*—
Brulin, Laurence W., and Covey.
American Steel Foundries, assignee: *See*—
Sedwick, Robert K.
Amwell Full Fashioned Hosiery Company, Inc., a
See—
Rickert, Melvin A.
Anaconda Wire and Cable Company, assignee: *See*
Polglase, Thomas R.
Anderson, Alvin S., Chicago, Ill. Combined birdb
solarium for growing plants. 171,020, Dec. 8.
Anderson, Clifford L.: *See*—
Armstrong, Norman D., and Anderson.
Anderson, Curtis A., Larchmont, N. Y. Flyi
168,724, Feb. 3.
Anderson, Kador G., Chicago, Ill. Air and rain d
169,469, May 5.
Anderson, Verner C., Auburn, Mass. Bootjack.
Apr. 28.
Anderson, Willis B., assignee: *See*—
Berini, Clarence J.
Angell, Robert C., Prince Bay, N. Y., assignor to T
White Dental Manufacturing Company. Denta
ing unit. 170,739, Nov. 3.
Angelus Engineering Corporation, assignee: *See*—
Mazzola, Ambrose.
Angelus, William N., Alma, Mich. Combination
and toaster. 169,528, May 12.
Anthony, Allan, Maywood, Ill. Outdoor lighting st
169,408, Apr. 28.
Anthony, Allan, Maywood, Ill. Lamp fixture.
June 9.
Antritter, Max, Leicester, assignor to Van Brode
Co., Inc., Clinton, Mass. Container unit for d
ants, deodorants, insecticides, and the like.
Apr. 21.
Apar, George J., Long Island City, N. Y., assignor
half to Bambach & Roth Hosiery Mills, Philadelp
and one-half to Colleen Hosiery Co., New York
Lady's stocking. 168,818, Feb. 17.
Apex Accessories Co., Inc., assignee: *See*—
Pinson, Alfred.
Apostolescu, Stefan, New York, N. Y. Hel
169,720, June 2.
Arant, Narvelle, Larkspur, assignor to Arant Plasti
San Francisco, Calif. Helmet or the like.
Jan. 6.
Arant Plastics, Inc., assignee: *See*—
Arant, Narvelle.
Arch, Anna, New York, N. Y. Table lamp.
Aug. 18.
Arch, Anna, New York, N. Y. Table lamp.
Dec. 8.
Arden, George, New York, N. Y. Handbag with re
cover. 169,025, Mar. 17.
Arditti, Leon A., New York, N. Y. Base for table
168,667, Jan. 27.
Arena, Joseph, East Haven, Conn. Combined toot
dispenser and toothbrush holder. 170,000, Jul

Arliss, Charles, New York, N. Y. Toy water pistol. 168,878, Feb. 24.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Headrest. 168,725, Feb. 3.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Cabinet. 169,573, May 19.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Vision testing device. 170,296, Sept. 1.
Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Desk. 170,740, Nov. 3.
Armstrong, Norman D., Burbank, and C. L. Anderson, Los Angeles, Calif. Exhaust pipe jettison. 171,022, Dec. 8.
Armstrong Rubber Company, The, assignee: *See*—
Roberts, Eugene A.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Du Bois, Arthur E.
Du Bois, Arthur E., and Will.
Jones, Thomas H.
Mack, William.
Murty, Otis G.
Paden, Frederick T., and Weiss.
Arnold, Ben E., Port Orchard, Wash. Leg ornament. 168,982, Mar. 10.
Aronov, Hilliard, assignor to Fabric's Inc., Montgomery, Ala. Pillow doll. 170,348, Sept. 8.
Art Metal Company, The, assignee: *See*—
Glatthar, George E., and Matteson.
Artistic Foundations, Inc., assignee: *See*—
Kahn, Mack.
Arvin Industries, Inc., assignee: *See*—
Farr, Edward A.
Wagner, Franz.
Aschenbrenner, William, Denver, Colo. Trailer. 170,297, Sept. 1.
Askew, Phyllis B., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 169,885, June 23.
Associated Plastic Companies, Inc., assignee: *See*—
Zabel, William C. P., and Young.
Athens, Harry L., and O. W. Risto, Valparaiso, Ind. Comb. 171,073, Dec. 15.
Atkinson, William A., Greggton, Tex. Warming bag or the like. 169,650, May 26.
Atlantic Service Company, Inc., assignee: *See*—
Williams, Clarence R.
Auer, Betty, Chicago, Ill. Caster cup or similar article. 169,409, Apr. 28.
Auer, Betty, Chicago, Ill. Caster cup or similar article. 169,410, Apr. 28.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 169,651, May 26.
Aunspaugh, Aaron F., Houston, Tex. Signaling mitt 168,726, Feb. 3.
Austin Company, The, assignee: *See*—
Gannett, Joseph K., and Strasmyer.
Autograf Brush & Plastics Co., Incorporated, assignee: *See*—
Mayer, Joseph W.
Autopoint Company, assignee: *See*—
Beckstrom, Garfield L.
Autoyre Company, The, assignee: *See*—
Eaton, Wilfred A.
Simpson, Paul F.
Avco Manufacturing Corporation, assignee: *See*—
Boldt, Melvin H.
Fox, William F.
Gustafson, Folke M.
Averill, Eugene F., assignor to Titus Incorporated, Waterloo, Iowa. Air register. 169,350, Apr. 21.
Awnair Corporation of America, assignee: *See*—
Macy, Donald.
Axel, Edwin: *See*—
Spilman, Raymond, Morrow, and Axel.
Axelrod, Marion, East Gloucester, Mass. Lamp base. 171,179, Dec. 29.
B & M Mills, Inc., assignee: *See*—
MacIntyre, John A.
Babbitt, John F., assignor to J. V. Pilcher Mfg. Company, Incorporated, Louisville, Ky. Combined ash tray and coaster. 169,117, Mar. 31.
Bach, Walter H., Los Angeles, and R. L. George, Torrance, assignors to Berndt-Bach, Incorporated, Los Angeles, Calif. Motion-picture camera. 168,610, Jan. 13.
Bachelier, "D" Flavius, Glendale, Calif. Atomizer or similar article. 171,023, Dec. 8.
Back, Frank G., New York, N. Y. Testing device for optical lenses and the like. 168,528, Jan. 6.
Back, Laurel M., San Lorenzo, Calif. Dent-removing tool. 170,741, Nov. 3.
Backus, Anton R., Santa Barbara, Calif. Cup or similar article. 169,235, Apr. 7.
Badillo, Emilio R., Detroit, Mich. Watch chain ornament. 169,925, June 30.
Baird Machine Company, The, assignee: *See*—
Lewis, Arthur J.
Baker, George A., Walnut Park, Calif., assignor to M. Weil. Plate or similar article. 169,886, June 23.
Baker, Melvin R., and D. K. Williams, assignors to Williams Manufacturing Co. Inc., Anaheim, Calif. Tie rack. 168,529, Jan. 6.
Bakke, Hans A., Swampscott, Mass., assignor to General Electric Company. Photographic light meter. 169,721, June 2.
Balboni, Antonio, Ferrara, Borgo Uccelli, Italy, assignor to Calcenter Trading Corp., Fresno, Calif. Coffee maker. 171,074, Dec. 15.
Baldwin Company, The, assignee: *See*—
Millington, William, and Day.
Ball, Herbert G., Media, Pa. Concealed dial for a combination lock. 171,117, Dec. 22.
Ball, Percy B., North Attleboro, Mass., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 170,041, July 21.
Ball, Percy B., North Attleboro, Mass., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 170,441, Sept. 22.
Balter, Leslie M., Rutherford, N. J. Volt-ohm meter. 168,922, Mar. 3.
Bambach & Roth Hosiery Mills, assignee: *See*—
Apar, George J.
Bankers Box Company, assignee: *See*—
Fellowes, John E.
Bannister, Harry T., Huntington Woods, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens housing. 170,674, Oct. 27.
Banowetz, Michael W., Sr., assignor to The Master Troll Company, Kenner, La. Fish and game cleaning knife. 168,644, Jan. 20.
Bantam-Lite, Inc., assignee: *See*—
Schwartz, Sidney.
Barbee, Stanley N., Los Angeles, Calif. Bottle. 170,298, Sept. 1.
Barcley, Gaylord A., St. Petersburg, Fla. Girdle. 170,141, Aug. 11.
Barcley, Gaylord A., St. Petersburg, Fla. Girdle. 170,142, Aug. 11.
Bard, Ia L.: *See*—
Bard, Melvin A. and I. L.
Bard, Melvin A. and I. L., Mountain View, Calif. Hat box. 170,042, July 21.
Bargen, William J., Waukegan, Ill. Table or similar article. 171,180, Dec. 29.
Bargen, William J., Waukegan, Ill. Book box desk or similar article. 171,181, Dec. 29.
Bargen, William J., Waukegan, Ill. Typewriter and multipurpose desk. 171,182, Dec. 29.
Barkin, Aaron, New York, assignor to Practical Electric Products, Inc., Bronx, N. Y. Medicinal vaporizer. 170,903, Nov. 24.
Barmore, Ralph L., Wichita, Kans. Portable electric pump. 171,183, Dec. 29.
Barnas, John A., Detroit, Mich. Fish lure. 169,118, Mar. 31.
Barnett, Louis H., and H. Brin, Fort Worth, Tex. Serving tray. 168,727, Feb. 3.
Barnett, Louis H., and H. Brin, Fort Worth, Tex. Wastebasket. 169,301, Apr. 14.
Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 168,611, Jan. 13.
Barofsky, Jack, Los Angeles, Calif. Casing for a piano or similar article. 169,236, Apr. 7.
Barofsky, Jack, Los Angeles, Calif. Television cabinet or similar article. 170,001, July 14.
Baron, Jack, New York, N. Y. Tumbling toy. 169,529, May 12.
Baroumes, Nina, Juneau, Alaska. Shoe. 169,956, July 7.
Baroumes, Nina, Juneau, Alaska. Sandal. 170,107, Aug. 4.
Barr, Irwin R.: *See*—
Jacobson, Joel M., Barr, and Tousignan.
Barrett, Altina: *See*—
Barrett, Eric and A.
Barrett, Basil M.: *See*—
Hedstrom, Richard E., and Barrett.
Barrett, Eric, deceased, and A. Barrett, Beverly Hills, Calif.; A. Barrett, administratrix of said E. Barrett. Hypodermic syringe. 169,237, Apr. 7.
Barringer, Henry M., Greensboro, N. C. Cedar chest or the like. 170,621, Oct. 20.
Barry, Harold E., Oakland, Calif. Hand carried paper pompon. 169,026, Mar. 17.
Barry, Morris, Lakewood, N. J. Toy vehicle. 170,516, Oct. 6.
Barth, Robert M., Pelham Manor, and H. G. Bergstrom, New Rochelle, assignors to The F R Corporation, New York, N. Y., Photographic enlarger or similar article. 170,960, Dec. 1.
Barton, George L.: *See*—
Belpedio, Vincent S., and Barton.
Basford, Claire L.: *See*—
Dent, Lester A., and Basford.
Basore, Helen L., assignor to Preston-Poynter Foundation, Pasadena, Calif. Pitcher. 171,118, Dec. 22.
Bassick Company, The, assignee: *See*—
Deadrick, James R.
Bassler, John R., Newark, assignor to Hudson Lamp Company, Arlington, N. J. Display container for lamp bulbs. 170,846, Nov. 17.
Bateman, James, Kearny, N. J. Collapsible tube stand. 170,517, Oct. 6.

Bates, Luther K., assignor to William R. Thropp & Sons Corp., Trenton, N. J. Frame for a combination rubber and plastic mill. 170,253, Aug. 25.
Bates Manufacturing Company, The, assignee: *See*—
Lang, William.
Batten, Charlie A., College Park, Md. Hobbyhorse. 170,108, Aug. 4.
Bauer, Ralph J. T., New York, N. Y., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 170,622, Oct. 20.
Bauer, Ralph J. T., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 169,722, June 2.
Bauer, Ralph J. T., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 169,723, June 2.
Bauer, Ralph J. T., and A. De Angelis, assignors to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 169,724, June 2.
Bauer, Ralph J. T., and A. De Angelis, assignors to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 169,725, June 2.
Bauernfeind, Doris M.: *See*—
Mancini, Louis F., and Bauernfeind.
Bausch & Lomb Optical Company, assignee: *See*—
Burrett, Melvin C.
Foss, Joan L.
Macaluso, Michael, Jr.
Stegeman, Raymond F. E.
Beach, Robert W.: *See*—
Henke, Jane B., and Beach.
Beacon Plastics Corporation, assignee: *See*—
Sholkin, Joseph L.
Beadrick, James R., Winston-Salem, N. C., assignor to The Bassick Company, Bridgeport, Conn. Drawer pull. 169,532, May 12.
Beaird, J. B., Company, Inc., The, assignee: *See*—
Alsup, Winfield W.
Beaudette, Romeo A., Mankato, Minn. Rocker chair. 170,073, July 28.
Beaver Pipe Tools, Inc., assignee: *See*—
Pealer, Robert B.
Becker, Harry, St. Louis, Mo. Egg extractor. 168,879, Feb. 24.
Becker, Lloyd L., assignor to Clark & Becker Toy Mfg., Burbank, Calif. Child's walker. 169,411, Apr. 28.
Beckman, George O., assignor to Super Mold Corporation of California, Lodi, Calif. Tire. 168,728, Feb. 3.
Beckman, George O., assignor to Super Mold Corporation of California, Lodi, Calif. Tire. 168,775, Feb. 10.
Beckman Instruments, Inc., assignee: *See*—
Petterson, Thorleif H.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Pencil or similar article. 170,675, Oct. 27.
Beckwith, Edwin L., West Newton, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Canasta tray. 168,983, Mar. 10.
Beckwith Manufacturing Company, assignee: *See*—
Beckwith, Edwin L.
Beerbaum, Helmut D.: *See*—
Lux, Frederick, and Beerbaum.
Beethoven, Albert E., Brooklyn, N. Y., assignor to Toymaster Products Co., Inc., Passaic, N. J. Toy store. 170,143, Aug. 11.
Behr, Siegfried F., Flushing, N. Y. Combined ear ornament and hair ornament. 170,518, Oct. 6.
Bekeschus, Edward T., Cincinnati, Ohio. Dress. 170,742, Nov. 3.
Bekierman, Borys, New York, N. Y. Sole and heel combination for shoes. 169,119, Mar. 31.
Belber, E. Malcolm: *See*—
Brier, Jack, Belber, Kolson, and Walter.
Belber Trunk & Bag Company, assignee: *See*—
Brier, Jack, Belber, Kolson, and Walter.
Beleck, William, Tyler, Tex. Manicuring implement container or similar article. 168,819, Feb. 17.
Belgard, Austin B., Evanston, Ill. Pair of spectacles. 170,623, Oct. 20.
Belgard, Austin B., Evanston, Ill. Pair of spectacles. 170,624, Oct. 20.
Bell Aircraft Corporation, assignee: *See*—
Woods, Robert J.
Bell & Howell Company, assignee: *See*—
Forrester, Clyde L.
Mueller, Arthur C.
Bell, Hugo, Wilton, Conn., assignor to Bourjois, Inc., New York, N. Y. Combined perfume bottle and holder therefor or similar article. 170,904, Nov. 24.
Bell, Louis, Roxbury, Mass. Ear ornament or similar article. 169,726, June 2.
Bell, Louis, Roxbury, Mass. Ear ornament or similar article. 169,727, June 2.
Bell, Louis, Roxbury, Mass. Ear ornament or similar article. 170,349, Sept. 8.
Bell, Louis, Roxbury, Mass. Ear ornament or similar article. 170,442, Sept. 22.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Treptow, Frederick W.
Bellett, Ettie B., Venice, assignor to D. Frankel, Beverly Hills, Calif. Animated television ash tray novelty. 168,880, Feb. 24.
Belling and Lee Limited, assignee: *See*—
Fountain, Leslie A., and Phillips.
Bellon, Ralph J., Chicago, and I. J. Ferdinand, Glencoe, Ill. Shelf bracket. 171,075, Dec. 15.
Belpedio, Vincent S., Fairfield, and G. L. Barton, Bridgeport, Conn. Ash tray. 169,050, Mar. 24.
Beltramini, Alexa L., New York, N. Y. Hanger bracket. 168,820, Feb. 17.
Bennett, Herbert L., assignor to Dixie Cup Company, Easton, Pa. Cup dispenser or similar article. 168,729, Feb. 3.
Bennett, Herbert L., assignor to Dixie Cup Company, Easton, Pa. Paper cup holder or similar article. 169,654, May 26.
Berdahl, Lawrence S.: *See*—
MacNally, Douglas C., and Berdahl.
Bergman, Carl G., Highland Park, Mich. Coin bank. 170,625, Oct. 20.
Bergmann, Ernst R., Evergreen Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer trough. 169,834, June 16.
Bergmann, Ernst R., Evergreen Park, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer trough. 171,119, Dec. 22.
Bergstrom, Harold G.: *See*—
Barth, Robert M., and Bergstrom.
Berini, Clarence J., Farmington, assignor of fifty per cent to W. B. Anderson, Detroit, Mich. Awning or similar article. 168,668, Jan. 27.
Berini, Clarence J., Farmington, assignor of fifty per cent to W. B. Anderson, Detroit, Mich. Awning or similar article. 168,669, Jan. 27.
Berke Brothers Distilleries Inc., assignee: *See*—
Berkowitz, Hyman C.
Berken, Barbara B., assignee: *See*—
Buckley, Lawrence G.
Berkowitz, Hyman C., Wendell, Idaho, assignor to Berke Brothers Distilleries Inc., Boston, Mass. Decanter. 169,926, June 30.
Berkowitz, Hyman C., Wendell, Idaho, assignor to Berke Brothers Distilleries Inc., Boston, Mass. Decanter. 169,957, July 7.
Berlund, Jacob B., assignee: *See*—
Preti, Giuseppe.
Berman, Harry, Bronx, V. Errico, New Hyde Park, and D. Lofrese, Bronx, N. Y. Spectacle front. 169,887, June 23.
Bernard, Jacques, assignors to Society "Bernard-Moteurs," S. A., Paris, France. Motor. 168,821, Feb. 17.
Berndt-Bach, Incorporated, assignee: *See*—
Bach, Walter H., and George.
Bernstein, Milton, New York, N. Y. Spoon or similar article of flatware. 171,076, Dec. 15.
Beroset, Gerard, Toledo, Ohio. Shoehorn. 170,519, Oct. 6.
Bertoia, Harry, Pennsburg, Pa., assignor to Knoll Associates Inc., New York, N. Y. Chair. 170,790, Nov. 10.
Bertoia, Harry, Pennsburg, Pa., assignor to Knoll Associates Inc., New York, N. Y. Chair. 170,791, Nov. 10.
Bertolozzi, Emil, Chicago, Ill. Base for table lamps. 170,443, Sept. 22.
Bertolozzi, Emil, Chicago, Ill. Base for table lamps. 170,444, Sept. 22.
Bertolozzi, Emil, Chicago, Ill. Base for table lamps. 170,445, Sept. 22.
Best, Cyril, Deptford, London, assignor to Mollins Machine Company, Limited, London, England. Casing for a weighing scale. 169,051, Mar. 24.
Bethesda Pastry Shops, Inc., assignee: *See*—
Patrick, Kenneth A.
Better Brushes, Incorporated, assignee: *See*—
Carpenter, Leslie A.
Better Packages, Inc., assignee: *See*—
Krueger, Theodore H.
Beyer, Gerhard R., Conway, N. H. Wall and tower unit for a toy fortress or similar article. 169,888, June 23.
Bialo, Walter, New Rochelle, N. Y. Corner guard for luggage. 169,652, May 26.
Bigsby, Paul A., Downey, Calif. Tailpiece vibrato for string instrument. 169,120, Mar. 31.
Bigsby, Paul A., Downey, Calif. Tailpiece vibrato for string instrument. 170,109, Aug. 4.
Billig, Julius: *See*—
Norman, William Z., and Billig.
Billig, Ralph B.: *See*—
Ziskin, Manuel S., and Billig.
Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 169,835, June 16.
Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 169,836, June 16.
Bilnor Corp., assignee: *See*—
Norman, William Z., and Billig.
Bimrose, Thomas H., Beverly Hills, Calif. Combined hair curler and comb. 169,470, May 5.
Black, Edward S., Chicago, Ill. Package dispenser. 170,492, Sept. 29.
Black, James A., Grand Rapids, Mich. Stock drying oven for coated sheets or the like. 168,670, Jan. 27.
Black, James A., Grand Rapids, Mich. Silk screen stencil machine. 170,299, Sept. 1.
Black, John S., Santa Monica, Calif. Combined yarn bobbin and needle size gauge. 168,530, Jan. 6.
Blanchaert, Leonard, Milan, Italy, assignor to Coltellerie Riunite di Caslino E. Maniago. Shears. 170,905, Nov. 24.

Blanchette, Hilaire, assignor to La Compagnie J. A. Gosselin Limitee, Drummondville, Quebec, Canada. Power butter churn. 170,446, Sept. 22.
Bland, Rose M., St. Louis, Mo. Combined insulated robe and mask. 168,822, Feb. 17.
Blander, Julius, Brooklyn, N. Y. Spreader tool. 169,837, June 16.
Blanke, Edward C., San Gabriel, Calif. Ash tray. 170,074, July 28.
Blaw-Knox Company, assignee: *See*— Eckstrom, Albert W.
Blazey, Lawrence E., Bay Village, assignor to Memory Vase Company, Cleveland, Ohio. Combined cemetery grave flower holder and base therefor. 168,823, Feb. 17.
Blecher, Boris, Philadelphia, Pa. Ash tray. 168,881, Feb. 24.
Blecher, Boris, Pihladelphia, Pa. Ash tray. 168,882, Feb. 24.
Bley, William G., Richboro, Pa. Lady's stocking. 171,184, Dec. 29.
Bley, William G., Richboro, Pa. Lady's stocking. 171,185, Dec. 29.
Bley, William G., Richboro, Pa. Lady's stocking. 171,186, Dec. 29.
Bley, William G., Richboro, Pa. Lady's stocking. 171,187, Dec. 29.
Bley, William G., Richboro, Pa. Lady's stocking. 171,188, Dec. 29.
Bley, William G., Richboro, Pa. Lady's stocking. 171,189, Dec. 29.
Blish, Matthew B., Oak Park, Ill. Key holder or similar article. 170,961, Dec. 1.
Bloch, Jack, assignor to Foster Grant Co., Inc., Leominster, Mass. Front for sunglass frames or the like. 169,471, May 5.
Bloch, Jack, assignor to Foster Grant Co. Inc., Leominster, Mass. Front for sunglass frames or the like. 170,962, Dec. 1.
Blondeel, Camiel A., Chicago, Ill. Plaque. 171,024, Dec. 8.
Bloom, Frances, Los Angeles, Calif. Sanitary dog toilet. 170,906, Nov. 24.
Bloom, Merle W.: *See*— Aasland, Byron T., Bloom, and Zink.
Bloomfield Industries, Inc., assignee: *See*— Meara, William F.
Bloss, Frederick J., Pasadena, Calif. Toy talking device. 170,564, Oct. 13.
Bluhm, Louis, New York, N. Y. Textile fabric. 169,838, June 16.
Bluhm, Louis, New York, N. Y. Textile fabric. 170,043, July 21.
Bluhm, Louis, New York, N. Y. Textile fabric. 170,044, July 21.
Blumeno, Harold M., assignee: *See*— Tomlinson, David.
Blumenthal, Alfred R., Chicago, Ill. Automobile window sill protector. 171,190, Dec. 29.
Blunt, Royden A., Baltimore, Md. Milk bottle. 169,958, July 7.
Blunt, Royden A., Baltimore, Md. Milk bottle. 169,959, July 7.
Board, Brewster: *See*— Wilkes, Elizabeth, and Board.
Bochory, Ion, New York, N. Y. Combination pocket tool. 171,025, Dec. 8.
Boehm, Roland F., Short Hills, assignor to Gemex Company, Union, N. J. Expansible wrist watch bracelet. 170,792, Nov. 10.
Bodle, Virgil H.: *See*— Harwin, Dixon R., Stern, and Bodle.
Bogdanoff, Sergei, Carmel, assignor to Well & Durrse, Inc., New York, N. Y. Woven textile fabric. 171,026, Dec. 8.
Boji, Louis, Wadena, Iowa, and P. J. Oslac, Chicago, Ill., assigors to McGregor Electronic Industries, Inc., McGregor, Iowa. Radio receiver casing. 170,520, Oct. 6.
Boldt, Melvin H., Glenview, Ill., assignor to Avco Manufacturing Corporation, South Bend, Ind. Laundry machine. 169,351, Apr. 21.
Bollenbach, Madeleine J., Chicago, Ill. Spat or similar article. 169,889, June 23.
Bo-Low Lamp Corp., assignee: *See*— Goldman, Robert, and Nemzer.
Bolta Products Sales, Inc., assignee: *See*— Bolten, John, Sr.
Bolten, John, Sr., assignor to Bolta Products Sales, Inc., Andover, Mass. Plastic sheet material or the like. 168,671, Jan. 27.
Bonar, William L., Moundsville, W. Va., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy railroad station. 169,728, June 2.
Bond, Tekla, New York, N. Y. Panty. 169,052, Mar. 24.
Bonis Bros. Fur Machinery Corp., assignee: *See*— Hodgman, Clare E.
Bookler, Morton, Merion, Pa. Merchandise envelope. 170,254, Aug. 25.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible chain for a wrist watch bracelet or the like. 168,776, Feb. 10.
Borchers, Earl M., assignor to American Cabinet Hardware Corporation, Rockford, Ill. Drawer pull. 169,302, Apr. 14.
Bordelon, Sam H., assignor to Arthur Salm Inc., Chicago, Ill. Carving fork or the like. 169,412, Apr. 28.
Bordelon, Sam H., assignor to Arthur Salm Inc., Chicago, Ill. Carving knife or the like. 169,413, Apr. 28.
Bordner, Lee T., Los Angeles, Calif. Switch escutcheon. 169,574, May 19.
Borg-Erickson Corp., assignee: *See*— Wagner, Franz.
Borg-Warner Corporation, assignee: *See*— Kennedy, George P. Trombley, Bertrand N.
Borin, Harlan F., Chicago, assignor to American Hospital Supply Corporation, Evanston, Ill. Reading and examination lamp. 169,729, June 2.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,672, Jan. 27.
Borowitz, David, Chicago, Ill. Electric lamp. 168,777, Feb. 10.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,778, Feb. 10.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,779, Feb. 10.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,780, Feb. 10.
Borowitz, David, Chicago, Ill. Wall lighting fixture. 168,824, Feb. 17.
Borowitz, David, Chicago, Ill. Wall lighting fixture. 168,825, Feb. 17.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,826, Feb. 17.
Borowitz, David, Chicago, Ill. Electric lamp base. 168,827, Feb. 17.
Borowitz, David, Chicago, Ill. Electric lamp base. 169,890, June 23.
Borowitz, David, Chicago, Ill. Electric lamp base. 170,045, July 21.
Borowitz, David, Chicago, Ill. Electric lamp base. 170,075, July 28.
Bostitch, Inc., assignee: *See*— Jenny, Robert W.
Botham, Arthur R., assignor to J. R. Wood & Sons, Inc., New York, N. Y. Box or similar article. 168,883, Feb. 24.
Boucher et Cie, Marcel, assignee: *See*— Semensohn, Raymonde.
Boucher, Marcel, et Cie, assignee: *See*— Semensohn, Raymonde.
Boucher, Marcel, Eltingville, N. Y. Necklace or similar article. 169,653, May 26.
Boucher, Marcel, Eltingville, N. Y. Bracelet or similar article. 169,891, June 23.
Boucher, Marcel, Eltingville, N. Y. Brooch or similar article. 170,300, Sept. 1.
Boucher, Marcel, Eltingville, N. Y. Necklace or similar article. 170,847, Nov. 17.
Boucher, Marcel, Eltingville, N. Y. Bracelet or similar article. 170,848, Nov. 17.
Boucher, Marcel, Eltingville, N. Y. Adjustable brooch or similar article. 170,907, Nov. 24.
Boucher, Marcel, Eltingville, N. Y. Adjustable brooch or similar article. 171,077, Dec. 15.
Bourjois, Inc., assignee: *See*— Bell, Hugo. Whitehead, Alice J., and Lang.
Bourne-Vanneck, Vincent P., New York, N. Y. Flame pad or similar article. 169,799, June 9.
Bourne-Vanneck, Vincent P., New York, N. Y. Strainer. 170,676, Oct. 27.
Bourner, Howard L., assignor to Temco, Inc., Nashville, Tenn. Laundry drier. 170,350, Sept. 8.
Bourns, Marlan E., Riverside, Calif. Potentiometer. 170,396, Sept. 15.
Bower, Frank W., Goshen, Ind. Coin bank. 171,192, Dec. 29.
Bowman, Clifford A., assignor to Gardex, Inc., Michigan City, Ind. Tool display rack. 171,191, Dec. 29.
Boyd, Lyle C., Miami, Fla. Cape. 169,352, Apr. 21.
Boyer, Ralph K., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Tire valve stem cap. 169,353, Apr. 21.
Boyer, Ralph K., Cleveland, and H. W. Krohn, Jr., North Olmsted, assignors to The Dill Manufacturing Company, Cleveland, Ohio. Head of an aerosol valve. 170,743, Nov. 3.
Bradburd, Ervin M.: *See*— Silver, Martin, Bradburd, and Lewthwaite.
Braley, James H., Sacramento, Calif. Combined pneumatic tire casing trimming and balancing machine or similar article. 168,984, Mar. 10.
Braley, James H., Sacramento, Calif. Four-in-hand tie press or similar article. 168,985, Mar. 10.
Bramming, Carl, Nashville, Tenn. Wide mouth vacuum bottle. 171,193, Dec. 29.
Branick, Charles E., Fargo, N. Dak. Fluid pressure operated bumper jack for automotive vehicles. 170,301, Sept. 1.
Braun, Arthur C., Summit, N. J. Bead or similar article. 168,781, Feb. 10.
Braun, Walter, assignor to Cobblers Incorporated, Los Angeles, Calif. Sandal or similar article. 169,238, Apr. 7.
Bray, Milton, Chicago, Ill. Cap for tube or similar article. 170,395, Sept. 15.

Breen, Frederick M., Westchester, assignor to Coty, Inc., New York, N. Y. Holder for cosmetic containers or similar article. 169,892, June 23.
Breen, Frederick M., Westchester, assignor to Coty, Inc., New York, N. Y. Combined lipstick holder and vanity case or similar article. 170,351, Sept. 8.
Breh, Dorothy M., and R. A. Servatius, Syracuse, N. Y. Directional marker for mailboxes. 169,730, June 2.
Breitman, Harvey, White Plains, N. Y., assignor to United Mills Corporation. Bra-top slip. 168,923, Mar. 3.
Brenner, Elizabeth A., Wallingford, Conn. Devotional desk. 170,076, July 28.
Brenner, William, Furniture Corp., The, assignee: *See*— Glass, Henry P.
Breuer Electric Manufacturing Company, assignee: *See*— Cinelli, John J.
Bridges, Roy C., Fort Worth, Tex. Electric clock. 171,078, Dec. 15.
Brier, Jack, Merion, Pa., E. M. Belber, Smyrna, Del., M. Kolson, Havertown, Pa., and J. H. Walter, Grosse Pointe, Mich., assignors to Belber Trunk & Bag Company, Philadelphia, Pa. Article of luggage. 170,397, Sept. 15.
Briers, Mary, Houston, Tex. Cap. 170,398, Sept. 15.
Briers, Mary, Houston, Tex. Cap. 170,399, Sept. 15.
Bright Star Battery Company, assignee: *See*— Schnur, Martin.
Brill, Harold A., Elkins Park, and M. S. Slotsky, assignors to Brill-Sloane Company, Philadelphia, Pa. Wall fixture for deodorizing lamps. 169,960, July 7.
Brill-Sloane Company, assignee: *See*— Brill, Harold A., and Slotsky.
Brin, Harris: *See*— Barnett, Louis H., and Brin.
Bristol Steel & Iron Works, Inc., assignee: *See*— Ferguson, James R.
Britt, Benjamin F., St. Petersburg, Fla. Building. 169,354, Apr. 21.
Britton, Albert G.: *See*— Davis, Endell D., and Britton.
Brodeur, Jules, assignor to Coty, Inc., New York, N. Y. Combined bottle and container therefor or similar article. 168,986, Mar. 10.
Brooks, Albert N., Chicago, Ill. Piggy bank. 170,521, Oct. 6.
Brown, Arnold, Worcester, Mass. Accident chart. 169,355, Apr. 21.
Brown, George F., Cattaraugus, assignor to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry display box. 169,356, Apr. 21.
Brown, Harold D., Gridley, Kans. Combined cleaning tissue and lamp housing. 170,522, Oct. 6.
Brown, Paul, New Rochelle, assignor to Paul Brown-Greher, Inc., New York, N. Y. Lady's handbag. 169,655, May 26.
Brown, Roy, Chicago, Ill. Table or similar article. 170,523, Oct. 6.
Brown-Saltman, assignee: *See*— Keal, John J.
Brown, Theodore E., Chicago, Ill. Rearview mirror. 170,626, Oct. 20.
Brown, Walter E., North Wilbraham, assignor to The Indian Company, Springfield, Mass. Cowling for motorcycle engines. 170,077, July 28.
Broyles, Neva I., Henderson, Nev. Animal figure toy. 169,927, June 30.
Bruce, John K., South Pasadena, and T. H. Davis, Alhambra, Calif. Combined carrier package and cans. 169,472, May 5.
Bruck, William A., assignee: *See*— Fukal, Alfred F.
Brudny, Donald L., Omaha, Nebr. Pen or similar article. 168,531, Jan. 6.
Brulin, Laurence W., New York, N. Y., and L. F. Covey, Darien, Conn., assignors to American Seating Company, Grand Rapids, Mich. Chair-desk. 168,782, Feb. 10.
Brulin, Laurence W., New York, N. Y., and L. F. Covey, Darien, Conn., assignors to American Seating Company, Grand Rapids, Mich. Aisle standard for reclining chairs. 169,473, May 5.
Bruner, Marvin J., assignee: *See*— Ritter, Saul.
Brunson, Leigh S., Milwaukee, Wis. Cement working tool. 169,053, Mar. 24.
Brunswick-Balke-Collender Company, The, assignee: *See*— Chapman, David, and Reineman.
Brush, Gerome, Lincoln, Mass. Andiron front. 170,493, Sept. 29.
Bryan, Henry T., Chattanooga, Tenn. Stocking. 169,893, June 23.
Buck, Eugene W., Campbell, assignor of one-third to A. Cano, Santa Clara, Calif. Drill mounting stand. 170,352, Sept. 8.
Buckley, Lawrence G., Olympia, assignor of one-eighth to B. B. Berken, Seattle, one-eighth to K. B. Ogle, Mercer Island, Wash., and one-eighth to E. B. Martin, Eugene, Oreg. Embossed decorative paneling. 170,144, Aug. 11.
Bucky, Gustav, New York, N. Y. Photographic camera. 170,145, Aug. 11.
Budal, Steve G., Cincinnati, assignor to The Globe-Wernicke Co., Norwood, Ohio. Drawer pull. 169,414, Apr. 28.
Budlane, Stanley J., Palatine, and R. Dusek, Cicero, assignors to Dulane, Inc., River Grove, Ill. Electric deep fat frier. 169,415, Apr. 28.
Budlane, Stanley J., Palatine, and R. Dusek, Cicero, assignors to Dulane, Inc., River Grove, Ill. Electric deep fat frier. 169,575, May 19.
Budlane, Stanley J., Palatine, and R. Dusek, Cicero, assignors to Dulane, Inc., River Grove, Ill. Electric deep fat frier. 169,576, May 19.
Budlane, Stanley J., Palatine, and R. Dusek, Cicero, assignors to Dulane, Inc., River Grove, Ill. Ash tray or similar article. 170,078, July 28.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio-phonograph cabinet. 168,730, Feb. 3.
Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 169,054, Mar. 24.
Budlong, Robert D., Skokie, assignor to Cory Corporation, Chicago, Ill. Combination broiler and fryer. 169,357, Apr. 21.
Budlong, Robert D., Skokie, assignor to Cory Corporation, Chicago, Ill. Beverage brewing device. 169,358, Apr. 21.
Budlong, Robert D., Skokie, assignor to Cory Corporation, Chicago, Ill. Warming stand. 169,416, Apr. 28.
Budlong, Robert D., Skokie, Ill., assignor to Amana Refrigeration, Inc., Amana, Iowa. Control panel for freezers, refrigerators, and the like. 169,901, July 7.
Budlong, Robert D., Skokie, Ill., assignor to Amana Refrigeration, Inc., Amana, Iowa. Freezer cabinet. 170,002, July 14.
Budlong, Robert D., Skokie, Ill., and J. De Young, Grand Haven, Mich., assignors to Zenith Radio Corporation. Radiophonograph cabinet. 170,849, Nov. 17.
Buehler, Ltd., assignee: *See*— Graves, George W.
BullDog Electric Products Co., assignee: *See*— Herrmann, John A.
Bulman, E. O., Manufacturing Company, Inc., The, assignee: *See*— Waltz, Edward.
Bunny Bear Inc., assignee: *See*— Mover, Eliot S.
Burckes, Elizabeth H., Sudbury, Mass. Game board. 170,079, July 28.
Burgess, Charles R., Detroit, Mich. Portable hot-air heater. 169,800, June 9.
Burgess Vibrocrafters, Inc., assignee: *See*— Folli, Arthur J.
Burlington Mills Corporation, assignee: *See*— Maisch, Jacques E.
Burnelli, Vincent J., Great Neck, N. Y. Airplane. 169,962, July 7.
Burrett, Melvin C., Whittier, Calif., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Diagnostic instrument head. 170,744, Nov. 3.
Burroughs Adding Machine Company, assignee: *See*— Walker, George W.
Burroughs, Clarence M., Glendale, Calif. Breadbox 169,121, Mar. 31.
Burrows, Samuel, assignor to Neo Products Co., Chicago, Ill. Thermometer. 169,894, June 23.
Burtchnell, Clarence S., Ross, Calif. Luggage tray. 169,577, May 19.
Burton, Henry C., New York, N. Y., assignor to S. A. F. F. A. Soc. P. Az. Fabriche Fiammiferi Ed Affini, Milan, Italy. Open end housing for slide type match covers. 169,895, June 23.
Butler, Charles W., Englewood, N. J., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Mowing machine handle. 171,079, Dec. 15.
Butler, Edwin F., Mount Desert, and C. Hamlin, Southwest Harbor, Maine. Boat. 170,850, Nov. 17.
Butler, Ray D., Miami, Fla. Vase or similar article. 169,122, Mar. 31.
Button, Helen L., Chicago, Ill. Lingerie holder. 169,928, June 30.
Butzko, Robert L., Bridgeport, Conn., assignor to Noma Electric Corporation, New York, N. Y. Decorative display device. 169,123, Mar. 31.
Buzby, Kenneth K., Medford Lakes, N. J. Psychiatric testing and demonstration device or similar article. 169,578, May 19.
Cabot, Petra, New York, N. Y., and H. M. Piker, Wyoming, Ohio. Insulated pail. 170,302, Sept. 1.
Caillaud, Helene, Los Angeles, Calif. Clown doll. 169,417, Apr. 28.
Caird, Clarissa E., assignee: *See*— Caird, Peter.
Caird, Peter, assignor to C. E. Caird, Santa Rosa, Calif. Fire hose nozzle unit. 170,447, Sept. 22.
Calcenter Trading Corp., assignee: *See*— Balboni, Antonio.
Caldwell, Louis P., and P. C. Wohlt, Independence, Mo. Tray for typists' accessories. 169,963, July 7.
Caldwell, Louis P., and P. C. Wohlt, Independence, Mo. Desk tray for typists' accessories. 170,627, Oct. 20.
Callahan, Albert B., Jr.: *See*— Hines, Vernon C., and Callahan.
Camillus Cutlery Company, assignee: *See*— Wallace, William D.
Campbell, A. S., Company, assignee: *See*— McLeod, Charles A.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy walking horse. 169,124, Mar. 31.

Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy walking cow. 169,418, Apr. 28.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy walking elephant. 169,419, Apr. 28.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy walking bear. 169,420, Apr. 28.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 170,146, Aug. 11.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy cow. 170,182, Aug. 18.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 171,080, Dec. 15.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Walking toy. 171,081, Dec. 15.
Campbell, Walter L., St. Petersburg, Fla. Combination bench and receptacle. 169,579, May 19.
Canadian Westinghouse Company Limited, assignee: *See*— Wilkes, Elizabeth, and Board.
Candlin, James E., Jr., Hammond, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 170,400, Sept. 15.
Cano, Antonio, assignee: *See*— Buck, Eugene W.
Cantor, Martin E., Bangor, Maine. Sport shirt. 169,964, July 7.
Cantrall, Forrest L., Benecia, Calif. Headstone. 170,110, Aug. 4.
Capodanno, Anthony V., North Attleboro, Mass. Cribbage board or similar article. 169,801, June 9.
Capouch, Elmer M., Cicero, Ill. Ash tray or similar article. 171,120, Dec. 22.
Capraro, Carmino, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring. 170,628, Oct. 20.
Caradine Hat Company, assignee: *See*— Wittcoff, Edward.
Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Adjustable fastener. 169,929, June 30.
Carlson, Elmer F., Chicago, Ill. Display rack. 168,532, Jan. 6.
Carmichael, Walter C., Winthrop, assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 170,745, Nov. 3.
Carmichael, Walter C., Lexington, assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 170,746, Nov. 3.
Carol Electrical Control, Inc., assignee: *See*— Weissenstein, Carl.
Carol, Mary: *See*— Leonard, Nita, and Carol.
Carpenter, Leslie A., assignor to Better Brushes, Incorporated, Palmer, Mass. Hairbrush or the like. 168,673, Jan. 27.
Carr, Clyde C., Chicago, Ill. Double boiler adapter ring. 169,421, Apr. 28.
Carr, William J.: *See*— Herrman, Ernest, and Carr.
Carroll Hosiery Corporation, assignee: *See*— Frye, Lonnie E.
Carvel, Thomas, Chauncey, N. Y. Combined service and display counter. 170,003, July 14.
Carvel, Thomas, Hartsdale, N. Y. Advertising device for roadside stores. 168,828, Feb. 17.
Carvel, Thomas, Yonkers, N. Y. Building structure. 169,055, Mar. 24.
Carvel, Thomas, Yonkers, N. Y. Spoon. 169,580, May 19.
Carver, Fern, Chicago, Ill. Cane-doll. 169,802, June 9.
Carver, Richard N., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Spiral type rolling ball skill game apparatus. 170,908, Nov. 24.
Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Knife sharpener. 169,530, May 12.
Case, W. A., and Son Manufacturing Company, assignee: *See*— Young, Willard G.
Cassell, Charles R., Oklahoma City, Okla. Lamp. 169,965, July 7.
Castedello, William: *See*— Schwartz, Morris, and Castedello.
Castiglione, Vincent, Detroit, Mich. Accordion grill. 170,909, Nov. 24.
Castleton China Incorporated, assignee: *See*— Lund, Otto J.
Castorani, Francesco P., Exton, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 170,565, Oct. 13.
Castorani, Francesco P., Exton, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 170,566, Oct. 13.
Castorani, Francesco P., Exton, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 170,567, Oct. 13.
Cella Vineyards, assignee: *See*— Dallas, Ronald H.
Celotex Corporation, The, assignee: *See*— Prisland, Theodore.
Chadbourn Hosiery Mills, Incorporated, assignee: *See*— Chapin, Herbert B.
Hoffecker, Frank.
McCarthy, Charles E.
Chamberlain, Clyde E., assignor to Gift Service, Inc., Medford, Oreg. Combined display case and order box. 168,533, Jan. 6.
Chandler, Joseph L., Chicago, Ill. Ash tray. 170,747, Nov. 3.
Chapin, Bernard L., Winchester, assignor to New England Carbide Tool Company, Inc., Cambridge, Mass. Combination knife sharpener and holder. 169,056, Mar. 24.
Chapin, Herbert B., Roslyn Heights, N. Y., assignor to Chadbourn Hosiery Mills, Incorporated. Hosiery display device. 168,731, Feb. 3.
Chaplin, Charles J., assignor to Chaplin Corporation, South Portland, Maine. Compartmented plate. 170,910, Nov. 24.
Chaplin Corporation, assignee: *See*— Chaplin, Charles J.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Chair or the like. 169,930, June 30.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Chair or the like. 169,931, June 30.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Combination table-chair unit or the like. 169,932, June 30.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Table or the like. 169,933, June 30.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Desk or the like. 170,004, July 14.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Combination desk-chair unit or the like. 170,005, July 14.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Table or the like. 170,006, July 14.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Tablet armchair or the like. 170,303, Sept. 1.
Chapman, David, Chicago, Ill., and R. G. Reineman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Desk top armchair or the like. 170,304, Sept. 1.
Charlton Company, Inc., assignee: *See*— Spence, Edmund J.
Chase, Herbert S., New York, N. Y. Combined utility purse and map holder. 169,422, Apr. 28.
Cheneweth, James E., National City, Calif. Receptacle. 170,111, Aug. 4.
Cheresh, Theresa C., Chicago, Ill. Cutout toy. 169,125, Mar. 31.
Cheresh, Theresa C., Chicago, Ill. Carousel toy. 169,423, Apr. 28.
Chernow, Michael, New York, N. Y. Necklace or similar article. 170,911, Nov. 24.
Chernow, Michael, New York, N. Y. Earring or similar article. 170,963, Dec. 1.
Chernow, Michael, New York, N. Y. Link chain. 171,027, Dec. 8.
Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 171,028, Dec. 8.
Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 171,082, Dec. 15.
Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 171,083, Dec. 15.
Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 171,121, Dec. 22.
Chernow, Michael, New York, N. Y. Link chain for a necklace or similar article. 171,194, Dec. 29.
Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 171,195, Dec. 29.
Chic Maid Hat Company, Inc., assignee: *See*— Gross, Max.
Chicopee Mills, Inc., assignee: *See*— White, Edward, IV.
Chicorel, Albert, Detroit, Mich. China stand. 168,884, Feb. 24.
Chisholm, Alpin, Attleboro, Mass. Chain link or similar article. 169,057, Mar. 24.
Chisholm, Alpin, Attleboro, Mass. Jewelry finding or similar article. 169,126, Mar. 31.
Chrisco, Thomas M., Fresno, Calif. Hoop-rolling stick or similar article. 170,677, Oct. 27.
Christians, George E.: *See*— Ries, Edward J., and Christians.
Christopher, Patrick J., Geneva, N. Y. Toy automobile. 168,732, Feb. 3.

Chrysler Corporation, assignee: *See*— Bannister, Harry T.
Exner, Virgil M.
King, Henry T.
Mawhinney, Melvin C.
O'Leary, Milo J.
Pilkey, Harold W.
Reynolds, Frederick.
Voss, Clifford C.
Chuboff, David P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Room cooler. 170,851, Nov. 17.
Ciampa, Lincoln L., assignor to United States Electric Manufacturing Corporation, New York, N. Y. Brooch or similar article. 169,359, Apr. 21.
Cinelli, John J., assignor to Breuer Electric Manufacturing Company, Chicago, Ill. Combined motor, blower, and cover for a vacuum cleaner housing. 170,401, Sept. 15.
Cisenfeld, Benjamin, Baltimore, Md. Combined water cooler and fan. 170,678, Oct. 27.
Clark & Becker Toy Mfg., assignee: *See*— Becker, Lloyd L.
Clark, Jack F., and L. F. Ellis, South Whittier, Calif. Combined lamp and planter. 168,612, Jan. 13.
Clark, James T., Fort Morgan, Colo. Spark plug gapping tool. 170,964, Dec. 1.
Clarke Sanding Machine Company, assignee: *See*— Petersen, William L.
Claus, Earl W., Kirkwood, assignor to Shampaine Company, St. Louis, Mo. Physician's examining table. 170,305, Sept. 1.
Claus, Earl W., Kirkwood, assignor to Shampaine Company, St. Louis, Mo. Physician's utility cabinet. 170,965, Dec. 1.
Claus, Earl W., Kirkwood, assignor to Shampaine Company, St. Louis, Mo. Physician's instrument cabinet. 170,966, Dec. 1.
Claus, Earl W., Kirkwood, assignor to Shampaine Company, St. Louis, Mo. Physician's instrument cabinet. 170,967, Dec. 1.
Claus, Earl W., Kirkwood, assignor to Shampaine Company, St. Louis, Mo. Physician's instrument cabinet. 170,968, Dec. 1.
Clauss, Guido, Elizabethtown, Pa. Stocking. 168,733, Feb. 3.
Claussen, Arthur E., Jr., Oakmont, Pa., assignor to E. F. Kemp, Corp., Somerville, Mass. Showcase. 168,987, Mar. 10.
Clement, Melville W., and H. L. Stevenson, Jamestown, N. Y. End support for books and the like. 170,306, Sept. 1.
Cleveland Instrument Company, assignee: *See*— Roeger, Richard E.
Cleveland, Ronald M., Los Angeles, assignor to Rheem Manufacturing Company, Richmond, Calif. Refrigerator or the like. 169,027, Mar. 17.
Clough, Carroll C., Seattle, Wash. Cement transport trailer. 170,969, Dec. 1.
Cobblers Incorporated, assignee: *See*— Braun, Walter.
Cobert, Joseph C., assignor to Hugh Grey Hosiery Company, Concord, N. C. Stocking. 169,127, Mar. 31.
Coblentz, Louis J., New York, N. Y. Handbag ornament or similar article. 168,734, Feb. 3.
Codish, Rajean M., New York, N. Y. Bag. 170,080, July 28.
Cohen, Bernard, Brooklyn, N. Y. Child's phonograph. 170,524, Oct. 6.
Cohen, Jos. S., & Sons Co., Inc., assignee: *See*— Keyserling, Leroy.
Cohen, Lester, Spring Valley, and W. H. Reineking, San Diego, Calif. Monorail toy. 170,748, Nov. 3.
Cohn, Lewis W., Chicago, Ill. Garment rack. 169,058, Mar. 24.
Cole, Edwin I., Eagle, Wis., assignor to The Stiffel Company, Chicago, Ill. Base for table lamps. 170,046, July 21.
Cole, Edwin I., Eagle, Wis., assignor to The Stiffel Company, Chicago, Ill. Base for table lamps. 170,047, July 21.
Cole, Edwin I., Eagle, Wis., assignor to The Stiffel Company, Chicago, Ill. Base for table lamps. 170,048, July 21.
Cole, Edwin I., Eagle, Wis., assignor to The Stiffel Company, Chicago, Ill. Base for table lamps. 170,049, July 21.
Cole, Edwin I., Eagle, Wis., assignor to The Stiffel Company, Chicago, Ill. Base for table lamps. 170,112, Aug. 4.
Cole, Edwin I., Eagle, Wis., assignor to The Stiffel Company, Chicago, Ill. Base for table lamps. 170,147, Aug. 11.
Cole, Edwin I., Eagle, Wis., assignor to The Stiffel Company, Chicago, Ill. Base for table lamps. 170,148, Aug. 11.
Coleman, Garlin J., New York, N. Y. Toothbrush cabinet. 171,029, Dec. 8.
Coleman, Sidney, Maynard, assignor to Van Brode Milling Co., Inc., Clinton, Mass. Combined windshield cleaner and clothes hanger. 168,735, Feb. 3.
Colleen Hosiery Co., assignee: *See*— Apar, George J.
Collins, Arthur A., and R. W. Wollan, Cedar Rapids, Iowa. Approach horizon. 170,183, Aug. 18.
Collins, Arthur A., and H. M. Schweighofer, assignors to Collins Radio Company, Cedar Rapids, Iowa. Course indicator. 170,184, Aug. 18.
Collins, Clifton T., Winston-Salem, N. C., assignor of one-half to R. M. Garriott. Bobby sock. 170,749, Nov. 3.
Collins, Marjorie M., Ottawa, Kans. Doll. 170,007, July 14.
Collins Radio Company, assignee: *See*— Collins, Arthur A., and Schweighofer.
Collins, Robert C., Winnipeg, Manitoba, and William Saunderson, Vancouver, British Columbia, Canada. Sandwich steadier. 170,912, Nov. 24.
Collins, Walter H., Summit, N. J. Spool box. 169,803, June 9.
Collura, Francesco, New York, N. Y., assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Combination food and beverage blender. 168,674, Jan. 27.
Collura, Francesco, New York, N. Y., assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Food and beverage hand mixer. 170,307, Sept. 1.
Colm, Jack, New York, N. Y. Teething ring or similar article. 170,050, July 21.
Colm, Jack, New York, N. Y. Teething ring or similar article. 170,051, July 21.
Colmar, Philip, assignor to G. and D. Jacobi, doing business as Premier Gem Company, New York, N. Y. Cuff link or similar article. 170,525, Oct. 6.
Colombo, Gioacchino, assignor to Alfa Romeo Società per Azioni, Milan, Italy. Automobile. 170,448, Sept. 22.
Colotti, Rocco A., assignor to Victor Industries Corporation, Brooklyn, N. Y. Combined aerosol container and dispenser. 168,783, Feb. 10.
Coltellerie Riunite di Caslino E. Maniago, assignee: *See*— Blanchaert, Leonard.
Columbia Pictures Corporation, assignee: *See*— Geisel, Theodor S.
Columbia Protektosite Company, Inc., assignee: *See*— Tietje, Helmut G.
Columbus Plastic Products, Inc., assignee: *See*— Roop, Nathan W.
Colvin, Robert H., Delavan, Wis., assignor to The Gabriel Company, Cleveland, Ohio. Air circulator. 168,924, Mar. 3.
Commonwealth Sanitation Company, assignee: *See*— Zelenka, Louis P.
Computer Research Corporation of California, assignee: *See*— Sandborg, Theodore C.
Concepcion, Alberto A., Detroit, Mich. Artificial fish lure. 169,028, Mar. 17.
Concepcion, Alberto A., Detroit, Mich. Artificial fish lure. 169,029, Mar. 17.
Confection Cabinet Corporation, assignee: *See*— Vitale, Santo.
Congoleum-Nairn Inc., assignee: *See*— Parke, Byron R., and Milwid.
Conlin, Madeleine L., Locust Valley, N. Y. Ice cream cup. 171,122, Dec. 22.
Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 169,030, Mar. 17.
Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 169,031, Mar. 17.
Consolidated Engineering Corporation, assignee: *See*— Walsh, Frank T., and Heath.
Continental Art Company, assignee: *See*— Frenzel, Edgar G.
Lindner, John W.
Continental Can Company, Inc., assignee: *See*— Freeman, Ernest W.
Continental Silver Co., Inc., assignee: *See*— Gruen, Robert L.
Coogan, Henry P.: *See*— La Bue, Seraphina C., and Coogan.
La Bue, Seraphine C., and Coogan.
Cook Bros. Equipment Co., assignee: *See*— Prichard, Evan S.
Cooke, Helen G., Aurora, Colo. Doll. 170,008, July 14.
Cooke, Lawrence E., Houston, Tex. Toy compass. 170,149, Aug. 11.
Coon, Herbert, Great Neck, assignor to Red Wing Products, Bellerose, N. Y. Garment hanger. 169,934, June 30.
Cooper, Bertrand M., Mission, Kans., A. M. Parkison, Kansas City, and G. A. Storck, Kansas City North, assignors to Trans World Airlines, Inc., Kansas City, Mo. Student pilot's instruction visor. 168,736, Feb. 3.
Corbett, Miriam E., and G. C. Hoff, Richmond, Ind. Set of educational alhpabet cards. 171,084, Dec. 15.
Corde De Parie Corset Co., Inc., assignee: *See*— Steiner, Harry.
Corder, Charles R., San Diego, Calif. Bar stool. 169,128, Mar. 31.
Coro, Inc., assignee: *See*— Katz, Adolph.
Corrigan, Francis J., Kutztown, Pa. Pair of goggles. 168,988, Mar. 10.
Corrigan, John T., and P. P. Sherry, Walla Walla, Wash. Airplane. 169,731, June 2.
Cory Corporation, assignee: *See*— Budlong, Robert D.

Cosmocord Limited, assignee: *See*—
Dewsall, John F.
Cotton, Collie J. and D. L., Ansted, W. Va. Record sheet for social security or the like data. 170,449, Sept. 22.
Cotton, Dorothy L.: *See*—
Cotton, Collie J. and D. L.
Coty, Inc., assignee: *See*—
Breen, Frederick M.
Brodeur, Jules.
Council, John M., Wananish, N. C. Combined wedge and spur for logging operations and the like. 168,534, Jan. 6.
Courtenay, Dudley, Summit, N. J. Combined ash tray and pipe knocker. 170,308, Sept. 1.
Courtney, Gerald, Hollywood, Calif. Pair of spectacles. 171,030, Dec. 8.
Couse, Kibbey W., Newark, N. J. Machine shop trailer. 168,535, Jan. 6.
Couse, Kibbey W., Newark, N. J. Mobile machine shop trailer. 168,536, Jan. 6.
Covey, Laird F.: *See*—
Brulin, Laurence W., and Covey.
Cowap, Henry B., Evanston, Ill. Bird feeder or similar article. 170,150, Aug. 11.
Cowen, Lawrence, assignor to The Lionel Corporation, New York, N. Y. Toy signal tower. 169,129, Mar. 31.
Cox, Herman E., Norfolk, Va. Nutcracker. 169,656, May 26.
Craig, David C., Los Angeles, Calif. Combination air purifier and telephone set base. 170,450, Sept. 22.
Crane Co., assignee: *See*—
Daehler, Robert F.
Cravey, Vivian E., Houston, Tex. Combined book end and receptacle. 169,657, May 26.
Crichton, Andrew B., Jr., Johnstown, Pa. Drill unit. 170,185, Aug. 18.
Cripe, Gene H., and R. J. Petersen, assignors to Utility Appliance Corporation, Los Angeles, Calif. Combined backguard and shelf for stoves. 170,009, July 14.
Croft, Sidney F., Jr., Charlotte, N. C., assignor to Sydell Manufacturing, Incorporated. Suspended waste container or similar article. 169,032, Mar. 17.
Crosby, Hazel H., assignee: *See*—
Love, Blanton D.
Crowle, Robert H.: *See*—
Jones, Charles E., and Crowle.
Crump, B. T., Company, Inc., assignee: *See*—
Marston, Oliver F.
Cunningham, Marcus M., assignor of one-third to J. R. Main and one-third to A. S. Moody, Houston, Tex. Cooling basin for air-conditioning unit. 169,531, May 12.
Curtis, Harry E., Willoughby, and G. L. Egbert, Cleveland, Ohio. Receptacle for newspapers and the like. 170,309, Sept. 1.
Curtis, Lyda D., assignee. *See*—
Steadman, John C.
Custer, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 168,675, Jan. 27.
Daehler, Robert F., La Grange, assignor to Crane Co., Chicago, Ill. Handwheel or the like. 169,424, Apr. 28.
Daehler, Robert F., La Grange, assignor to Crane Co., Chicago, Ill. Handwheel or the like. 169,425, Apr. 28.
Dailey, Donald E., Center Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y. Combination refrigerator and dispensing bar. 168,676, Jan. 27.
Dailey, Donald E., Center Township, Vanderburgh County, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 168,677, Jan. 27.
Dale, Eldon L., Long Beach, Calif. Coin-controlled amusement game apparatus. 169,360, Apr. 21.
Da-Lite Screen Company, Inc., assignee: *See*—
Prokop, Frank J.
Dallas, Ronald H., South Gate, assignor to Cella Vineyards, Reedley, Calif. Bottle. 170,255, Aug. 25.
Danziger, William, and V. Achison, New York, N. Y. Display advertising device. 170,151, Aug. 11.
Dapol Plastics, Inc., assignee: *See*—
Goldrosen, David.
Darab, John C., Wilkes-Barre, Pa. Portable sandblast machine. 168,829, Feb. 17.
D'Arbeloff, Vladimir A., Riverside, Conn. Belt. 170,970, Dec. 1.
Dare Products, Incorporated, assignee: *See*—
Wilson, Robert M.
Darroch, Eunice B., Livingston, Mont. Toy figure. 170,494, Sept. 29.
Dart, William F., Mason, Mich. Measuring tape housing. 169,658, May 26.
Daum, Howard A., Pittsburgh, Pa. Mailbox. 168,925, Mar. 3.
Daum, Howard A., Pittsburgh, Pa. Combined lamppost and sign. 170,152, Aug. 11.
Davenport, Nicholas, Bronx, N. Y. Clothes tree or the like. 170,629, Oct. 20.
David, Barnett, Brooklyn, N. Y. Child's handbag. 170,402, Sept. 15.
Davis, Douglas P., and D. C. Maddux, Burbank, Calif. Firecracker cannon. 170,153, Aug. 11.
Davis, Endell D., and A. G. Britton, Silver City, N. Mex. Portable changeable road signal. 168,926, Mar. 3.
Davis, John E., Sherman Oaks, Calif., assignor to Revere Camera Company, Chicago, Ill. Stereoscopic viewer. 168,645, Jan. 20.
Davis, John E., Sherman Oaks, Calif., assignor to Revere Camera Company, Chicago, Ill. Stereoscopic camera. 170,568, Oct. 13.
Davis, Ronald G.: *See*—
Graham, Maurice H., Polivka, Hamilton, and Davis.
Davis, Thomas H.: *See*—
Bruce, John K., and Davis.
Dawson, Wyatt W., Arlington, Va. Fish lure. 169,303, Apr. 14.
Day, Wilbur M.: *See*—
Millington, William, and Day.
Daystrom Corporation, assignee: *See*—
Kaufman, Hans J.
Dayton Rubber Company, The, assignee: *See*—
Kaufman, Paul N.
Deadrick, James R., Winston-Salem, N. C., assignor to The Bassick Company, Bridgeport, Conn. Drawer pull. 169,533, May 12.
De Angelis, Armand: *See*—
Bauer, Ralph J. T., and De Angelis.
Dé Caccia, Godfrey L.: *See*—
Fritz, Ralph C., Jr., dé Caccia, and Ratzlaff.
Decot, Robert L., Snyder, N. Y. Pair of goggles. 169,304, Apr. 14.
De Fazio, Fulvio, Cleveland, Ohio. Adjustable handle for tools. 170,793, Nov. 10.
De Grazia, Joseph, Washington, D. C. Reflecting garment for traffic directors. 169,305, Apr. 14.
De Kolb, Eric, assignor to Helena Rubinstein, Inc., New York, N. Y. Combined bottle and display carton therefor. 170,794, Nov. 10.
Delamater, John A., assignee: *See*—
Fisk, Hollis M.
Del Mas, Christy M., New York, N. Y. Cup. 168,784, Feb. 10.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Perfume vial. 169,534, May 12.
Del Mas, Christy M., assignors to Grace-Mas Enterprises, Inc., New York, N. Y. Closure for collapsible tubes. 169,839, June 16.
Del Mas, Christy M., assignor to Grace-Mas Enterprises, Inc., New York, N. Y. Canister. 169,966, July 7.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Finger ring for holding perfume. 170,526, Oct. 6.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Harmonica ring. 170,527, Oct. 6.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Coin holder and auto visor clip combination. 170,569, Oct. 13.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Sandwich and hors d'Oeuvre tray. 170,679, Oct. 27.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Toothbrush. 170,680, Oct. 27.
Del Mas, Christy M., New York, N. Y. Compact. 170,750, Nov. 3.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Plaque. 170,795, Nov. 10.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Combined coin holder and clip. 170,796, Nov. 10.
Del Mas, Christy M., New York, N. Y. Rosary bead. 170,797, Nov. 10.
Del Mas, Christy M., assignor to M. P. Grace, New York, N. Y. Closure for toothpaste tubes or the like. 170,971, Dec. 1.
Delphos Bending Company, The, assignee: *See*—
Peltier, Leslie C.
De Muth, James: *See*—
Lincoln, William, and De Muth.
Denes, Magdalene R., New York, N. Y. Rug or similar article. 170,154, Aug. 11.
Denison Engineering Company, The, assignee: *See*—
Eschliman, William E.
Dent, Lester A., Richmond Annex, and C. L. Basford, Richmond, Calif. Wreath. 168,830, Feb. 17.
Denyssen, Ivanhoe P., Merion, assignor, by mesne assignments, to Sani-Mist, Inc., Philadelphia, Pa. Foot spraying device. 168,613, Jan. 13.
Derby, John H., Scarsdale, N. Y. Thermostatic fire alarm switch. 169,935, June 30.
Derby Sealers, Incorporated, assignee: *See*—
Reinecke, Jean O.
Derlein, Edgar, Oostburg, Wis. Combined coat hanger and ice scraper for automobiles. 168,831, Feb. 17.
Deroubaix, Lucien, Paris, France, assignor to Edgar C. Hyman Co. Inc., New York, N. Y. Scarf. 169,474, May 5.
De Saint-Germain, Georges, Long Beach, Calif. Bracelet or similar article. 170,403, Sept. 15.
Desco Shoe Corp., assignee: *See*—
Diamant, Fred J.
Eisenberg, Max.
De Sibrik, George and I., Washington, D. C. Puzzle. 170,113, Aug. 4.
De Sibrik, Ilona: *See*—
De Sibrik, George and I.
Design Center Inc., assignee: *See*—
Pfohl, Louis H.
Desley Fabrics, Division of J. H. Thorp and Co. Inc., assignee: *See*—
Holland, Annette.
Scholle, Charles F.
De Stefano, Marindo, Brooklyn, N. Y. Pendant. 169,804, June 9.

Destun, Paul, St. Thomas, Ontario, Canada. Soft drink dispensing machine. 170,310, Sept. 1.
Detroit-Michigan Stove Company, assignee: *See*—
Hitchcock, Richard E.
Development Research, Inc., assignee: *See*—
Soffer, Jack W., and Hunt.
De Vry Corporation, assignee: *See*—
Lessman, Gerhard.
Dewsall, John F., assignor to Cosmocord Limited, Enfield, England. Hand microphone. 169,426, Apr. 28.
Dexter-Mahnke, Inc., assignee: *See*—
Mecus, Edward E.
De Young, Jack: *See*—
Budlong, Robert D., and De Young.
De Young, Jack, Grand Haven, Mich., assignor to Zenith Radio Corporation. Television receiver cabinet. 169,427, Apr. 28.
Diamant, Fred J., New York, assignor to Desco Shoe Corp., Long Island City, N. Y. Shoe or the like. 169,732, June 2.
Diamant, Fred J., New York, assignor to Desco Shoe Corp., Long Island City, N. Y. Narrow embroidered trimming or the like. 170,495, Sept. 29.
Diamond, Freda, New York, N. Y., and J. E. Plummer, Toledo, Ohio, assignors to Kraft Foods Company, Chicago, Ill. Tumbler. 169,733, June 2.
Diamond, Freda, New York, N. Y., and J. E. Plummer, Toledo, Ohio, assignors to Kraft Foods Company, Chicago, Ill. Tumbler. 169,734, June 2.
Diamond, Freda, New York, N. Y., and J. E. Plummer, Toledo, Ohio, assignors to Kraft Foods Company, Chicago, Ill. Tumbler. 169,735, June 2.
Diamond, Freda, New York, N. Y., and J. E. Plummer, Toledo, Ohio, assignors to Kraft Foods Company, Chicago, Ill. Tumbler. 169,736, June 2.
Diamond, Freda, New York, N. Y., and J. E. Plummer, Toledo, Ohio, assignors to Kraft Foods Company, Chicago, Ill. Tumbler. 169,737, June 2.
Diamond, Freda, New York, N. Y., and J. E. Plummer, Toledo, Ohio, assignors to Kraft Foods Company, Chicago, Ill. Tumbler. 169,738, June 2.
Diamond Match Company, The, assignee: *See*—
Van Dyke, Arthur W.
Di Chiara, Anthony, assignor to Liberty Optical Company, Inc., Newark, N. J. Spectacle frame ornament. 170,155, Aug. 11.
Diehl, G. M., Machine Works, Inc., The, assignee: *See*—
Gustin, George M.
Dieroff, Benona W., Fair Oaks, Calif. Eyeshade. 169,130, Mar. 31.
Dieterich, Richard E., Long Beach, Ind. Hubcap. 170,114, Aug. 4.
Dietrich, Ralph J., Palm Springs, Calif. Cooking pan lid. 169,739, June 2.
Dill Manufacturing Company, The, assignee: *See*—
Boyer, Ralph K.
Boyer, Ralph K., and Krohn.
Dille & McGuire Mfg. Co., assignee: *See*—
Knarzer, Herman C.
Dillon, Chadbourn L., assignor to Rehrig Manufacturing Co., Los Angeles, Calif. Bottle. 169,239, Apr. 7.
Dinhofer, Milton, New York, N. Y. Drinking straw. 169,240, Apr. 7.
Dinhofer, Milton, New York, N. Y. Drinking straw. 169,241, Apr. 7.
Dinhofer, Milton, New York, N. Y. Drinking straw. 169,242, Apr. 7.
Dinu, Thomas C., Ann Arbor, Mich. Pot holder rack or similar article. 168,927, Mar. 3.
Disch, John E., assignor to Daniel Green Company, Dolgeville, N. Y. Slipper or similar article. 169,535, May 12.
Di Sopra, John, Greenhill Farms, Pa. Combined soap dish, tumbler, and toothbrush holder. 170,186, Aug. 18.
Dix, Richard K., Fresno, Calif. Tricycle. 171,196, Dec. 29.
Dixie Cup Company, assignee: *See*—
Bennett, Herbert L.
Dodd, William O., Jr.: *See*—
Roper, Norman W., and Dodd.
Dodge, Inc., assignee: *See*—
Santner, John A.
Dog House, Inc., The, assignee: *See*—
Trinkle, Earl.
Doherty, Donald W., Crystal Lake, assignor to Queen Manufacturing Co., Inc., Chicago, Ill. Utility stool. 170,311, Sept. 1.
Doherty, William E., Chicago, Ill. Punching bag. 169,243, Apr. 7.
Dolly Hosiery Mills, Inc., assignee: *See*—
Verreault, John F.
Doman, Donald W.: *See*—
Girardy, Alfred B., Norby, and Doman.
Haman, Ralph W., Norby, and Doman.
Domberger, Karl, Maspeth, and S. Rael, Jackson Heights, N. Y. Letter opener or similar article. 171,197, Dec. 29.
Donaldson, James E., Chicago, Ill. Baby dish. 170,010, July 14.
Dormeyer Corporation, assignee: *See*—
Morgan, Jack.
Dost, Helen M., Glenview, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 169,244, Apr. 7.
Dougherty, Ray S., Kittanning, Pa. Sport shirt. 170,681, Oct. 27.
Draut, Ralph H.: *See*—
Van Zelm, Willem D., Wentz, and Draut.
Drell, Leonard B., Glencoe, Ill. Spray head for aerosol bombs. 170,451, Sept. 22.
Drell, Leonard B., Glencoe, Ill. Spray head for aerosol bombs and the like. 170,452, Sept. 22.
Drema Manufacturing Company, Inc., assignee: *See*—
Saccone, John V.
Drews, Millesan, Laguna Beach, Calif. Vase. 169,581, May 19.
Dreyfuss, Henry, South Pasadena, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 170,256, Aug. 25.
Drofenigg, Michael, Denver, Colo. Jaw prop or the like. 169,059, Mar. 24.
Drohman, Laurence H., St. Paul, Minn. Drill display unit or similar article. 170,852, Nov. 17.
Dryer Company of America, Inc., assignee: *See*—
Fine, Milton.
Du Bois, Arthur E., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Military service ribbon attachment. 169,428, Apr. 28.
Du Bois, Arthur E., and E. Will, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Army. Shoulder cord. 170,453, Sept. 22.
Dudek, Edmund C., Evergreen Park, assignor to Portable Electric Tools, Inc., Chicago, Ill. Portable power-operated saw. 169,361, Apr. 21.
Duer, Frederick L., Bellwood, Ill. Combination stool and stepladder. 169,033, Mar. 17.
Dujoncquoy, Louis L., Saint-Mande, Paris, assignor to Sauze, S. A., Colombes, France. Combined bottle and holder therefor. 170,454, Sept. 22.
Du Kane Corporation, assignee: *See*—
Larson, Robert H.
Whyte, Ruth L.
Duke, Alexander J., Los Angeles, Calif. Convertible chair lounge. 169,245, Apr. 7.
Dulane, Inc., assignee: *See*—
Budlane, Stanley J., and Dusek.
Dumbrell, Geoffrey N.: *See*—
Dumbrell, Kenneth G., and G. N.
Dumbrell, Kenneth G., Hawthorn near Melbourne, Victoria, and G. N. Dumbrell, Toorak near Melbourne, Victoria, Australia. Ear tag for sheep and other animals. 170,913, Nov. 24.
Dundon, Burton W. and L. O., Kalamazoo, Mich. Toolholder. 170,798, Nov. 10.
Dundon, Leo O.: *See*—
Dundon, Burton W. and L. O.
Dunham, Sidney R., Seattle, Wash. Shower footrest. 170,853, Nov. 17.
Dunlop Rubber Company Limited, assignee: *See*—
Morgan, John H.
Dunlop Tire and Rubber Corporation, assignee: *See*—
Hardeman, William E.
Humphries, Walter.
Dupler, Raymond R., Toledo, Ohio. Hot air furnace. 170,011, July 14.
Du Pree, Ernest L., Weston, Conn., assignor to Schenley Import Corporation, New York, N. Y. Decanter bottle. 169,362, Apr. 21.
Duro Metal Products Company, assignee: *See*—
Odlum, William H., and Paine.
Dusek, Robert: *See*—
Budlane, Stanley J., and Dusek.
Eastern Plastics, Inc., assignee: *See*—
Whiting, Dorothy E.
Eastman Kodak Company, assignee: *See*—
White, Earl E., and Smith.
Easy Washing Machine Corporation, assignee: *See*—
Mundt, Stuart G.
Welcher, William H., and Mundt.
Eaton, Wilfred A., North Woodbury, assignor to The Autoyre Company, Oakville, Conn. Suction cup towel bar. 168,832, Feb. 17.
Eck, Einer, Peru, Ind. Upholstered sofa. 169,805, June 9.
Eckstrom, Albert W., Buffalo, N. Y., assignor to Blaw-Knox Company, Pittsburgh, Pa. Milk evaporator unit. 171,198, Dec. 29.
Econolite Corporation, assignee: *See*—
Leech, Aubrey B.
Edison, Thomas A., Incorporated, assignee: *See*—
Otto, Carl L.
Somers, Richard M.
Edlund, Walter W., Burlington, Vt. Can opener or the like. 169,967, July 7.
Edson, Bert, Pawtucket, R. I. Lace or similar article. 169,536, May 12.
Edwards, Myles W., assignor to Wertz Engineering Co., Inc., Reading, Pa. Housing for organic waste treatment apparatus. 171,199, Dec. 29.
Egan, Philip S., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Air conditioner casing. 170,496, Sept. 29.
Egbert, Glenn L.: *See*—
Curtis, Harry E., and Egbert.
Eging, Henry B., Shaker Heights, Ohio. Stroller. 169,060, Mar. 24.

Ehret, Robert D., Hato Rey, P. R. Combined funeral and flower car. 169,582, May 19.
Ehrman, Ernest W., New York, N. Y. Collapsible valet stand. 170,497, Sept. 29.
Eichel, Norman, New York, N. Y. Combined wallet and holder for manicuring and sewing accessories. 170,187, Aug. 18.
Eimco Corporation, The, assignee: *See*— Schwartz, Daniel M.
Eisenberg, Alvin S., Bronx, N. Y. Combined bathtub toy and safety device. 169,246, Apr. 7.
Eisenberg, Max, New York, assignor to Desco Shoe Corp., Long Island City, N. Y. Shoe or similar article. 168,785, Feb. 10.
Ekco Products Company, assignee: *See*— Wagner, Franz.
Ekstrand, Ernest W., Orange, N. J. Ash tray. 171,123, Dec. 22.
Electro-Voice, Incorporated, assignee: *See*— Hoodwin, Louis S.
Eligman, George J.: *See*— Fisher, Max, and Eligman.
Eljer Co., assignee: *See*— Hendrickson, James M.
Elledge, Oscar C., and H. R. McCray, Columbus, Ohio. Place mat. 168,678, Jan. 27.
Elliott, Clarence E., Kansas City, Kans. Hand-operated food mixer. 170,404, Sept. 15.
Ellis, Lloyd F.: *See*— Clark, Jack F., and Ellis.
Ellis, Max H., Montebello, Calif. Intake manifold for internal-combustion engines. 169,306, Apr. 14.
Ellison, Franklin H., Brooklyn, N. Y. Television cabinet. 169,363, Apr. 21.
Embisco Limited, assignee: *See*— Marcantonio, Attilio A. G.
Emerson Electric Manufacturing Company, The, assignee: *See*— Lindberg, Caryl A., and Repp.
Emerson Radio and Phonograph Corporation, assignee: *See*— Israel, Dorman D., Germer, and James.
Emery, Melvin S., Oakland, Calif. Airplane. 170,751, Nov. 3.
Emery, William M., New Providence, N. J. Pillow. 169,583, May 19.
Emms, Charles, London, England. Double-breasted dress vest. 171,085, Dec. 15.
Emms, Charles, London, England. Single-breasted dress vest. 171,086, Dec. 15.
Empire Brushes, Inc., assignee: *See*— Gantz, Emanuel.
Enghauser, Winford L., Cincinnati, Ohio. Porch column. 170,682, Oct. 27.
Enghauser, Winford L., Cincinnati, Ohio. Porch column. 170,752, Nov. 3.
English, Richard W., Jersey City, assignor to Victaulic Company of America, Union, N. J. Pipe coupling. 168,928, Mar. 3.
Enrich, Henry A., assignor to Henry A. Enrich & Co. Inc., New York, N. Y. Shoe rack or similar article. 169,429, Apr. 28.
Enrich, Henry A., & Co. Inc., assignee: *See*— Enrich, Henry A.
Ens, Emil J.: *See*— Kratt, William, and Ens.
Enterprise Manufacturing Company, Inc., assignee: *See*— Karlstad, Andrew C.
Enterprise Manufacturing Co. of Pennsylvania, The, assignee: *See*— Frank, Robert H.
Epstein, Albert, assignor to L. Epstein, Boston, Mass. Pinup lamp. 169,364, Apr. 21.
Epstein, Louis, assignee: *See*— Epstein, Albert.
Ercona Camera Corp., assignee: *See*— Frank, Charles H., Jr.
Erickson, Celeste M., Chicago, Ill. Spool holder. 168,646, Jan. 20.
Eriksen, Oscar A., assignor to Van Wormer & Rodrigues, Inc., San Francisco, Calif. Lapel pin. 169,061, Mar. 24.
Errico, Vito: *See*— Berman, Harry, Errico, and Lofrese.
Eschliman, William E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic relief valve. 168,833, Feb. 17.
Essary, Nettie M., Big Spring, Tex. Bicycle. 170,115, Aug. 4.
Essex, Evelyn H., Glenmont, assignor to F. C. Huyck & Sons, Rensselaer, N. Y. Toy animal figure. 170,570, Oct. 13.
Essex Manufacturing Co. Inc., assignee: *See*— Peyser, Leonard.
Estrada, Albert O., Larkspur, Calif. Service wagon. 171,124, Dec. 22.
Evans Case Co., assignee: *See*— Herdecker, Carl F.
Speers, Samuel F.
Evans, Robert P., Westwood, assignor to Visual Research Incorporated, Boston, Mass. Spectacle type flashlight. 171,200, Dec. 29.
Even-Pul Foundations, Inc., assignee: *See*— Lo Cascio, Jack J.
Rosner, Leonard A.
Everfast Fabrics, Inc., assignee: *See*— Molenaor, Edna M.
Ewart, Elliott S., deceased (V. L. Ewart, executrix), St. Clair Shores, and D. S. Hackley, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Tire. 170,854, Nov. 17.
Ewart, Vera L., executrix: *See*— Ewart, Elliott S., and Hackley.
Exner, Virgil M., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 169,896, June 23.
F R Corporation, The, assignee: *See*— Barth, Robert M., and Bergstrom.
Fabric's Inc., assignee: *See*— Aronov, Hilliard.
Fader, Arthur I., Yonkers, and I. Nevin, Bronx, N. Y. Gas-fired broiler. 169,430, Apr. 28.
Fageol, Louis J., Kent, Ohio. Motor vehicle. 169,365, Apr. 21.
Falcon Plastic Products Mfg. Co., assignee: *See*— Russell, George F.
Farinacci, Nicholas, Floral Park, N. Y. Educational rule. 168,834, Feb. 17.
Farnsworth, Herbert, Norwalk, Conn. Lace. 169,537, May 12.
Farr, Edward A., assignor to Arvin Industries, Inc., Columbus, Ind. Heater. 169,840, June 16.
Fasson, Emil C., Inglewood, Calif. Decorative lamp. 168,537, Jan. 6.
Fastee Products, Inc., assignee: *See*— O'Brien, Vincent R.
Fath, Arthur, Blue Ash, Ohio. Gardening tool headpiece. 169,841, June 16.
Fay, Kenneth C., New York, N. Y. Hairbrush. 169,131, Mar. 31.
Federal Glass Company, The, assignee: *See*— Hamill, Virginia.
Federal Telecommunication Laboratories, Inc., assignee: *See*— Silver, Martin, Bradburd, and Lewthwaite.
Fees, Richard A., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,247, Apr. 7.
Feinberg, Theodore L., assignor to J. & S. Manufacturing Co., Chicago, Ill. Window shade combined guard and handle. 170,498, Sept. 29.
Feiner, Roy G.: *See*— Ganz, Daniel M., and Feiner.
Feinstein, Morris A., Chicago, Ill. Broiler. 168,786, Feb. 10.
Feinstein, Nathan, New York, N. Y. Textile fabric or similar article. 170,630, Oct. 20.
Feldman, Abraham G., Chicago, Ill. Infant's crib. 168,679, Jan. 27.
Feldman, Abraham G., Chicago, Ill. Infant's crib. 168,680, Jan. 27.
Feldman, Abraham G., Chicago, Ill. Infant's crib. 168,681, Jan. 27.
Feldman, Coleman H., Los Angeles, Calif. Combined seat and backrest cushion. 169,366, Apr. 21.
Feldman, Eddie, Chicago, Ill. Toy heel for a shoe or the like. 171,087, Dec. 15.
Feldman, Samuel, Forest Hills, N. Y., assignor to Knit Wear Patents, Inc., Atlanta, Ga. Skirt or similar article. 170,012, July 14.
Feldman, Samuel, New York, N. Y. Cap. 169,968, July 7.
Felix, O'Hal, Valley Stream, assignor to R. A. Stewart & Company, Inc., New York, N. Y. Handle for hand stamps. 169,167, Mar. 31.
Fellowes, John E., Wheaton, assignor to Bankers Box Company, Chicago, Ill. Drawer pull handle. 169,538, May 12.
Feltner, Oscar G., Jr., Dallas, Tex. Wedding anniversary pin. 170,631, Oct. 20.
Fender, Clarence L., Fullerton, Calif. Guitar. 169,062, Mar. 24.
Fenlason, Donna L., assignee: *See*— Lloyd, Louise.
Ferar, Montgomery, Detroit, Mich., assignor to Seeger Refrigerator Company, St. Paul, Minn. Emblem for household appliances or the like. 170,013, July 14.
Ferar, Montgomery, Royal Oak, Mich., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator cabinet. 169,431, Apr. 28.
Ferber, Fred, Nahwah, N. J. Ballpoint pen. 169,307, Apr. 14.
Ferdinand, Irwin J.: *See*— Bellon, Ralph J., and Ferdinand.
Ferguson, James R., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Traffic signal. 169,897, June 23.
Ferguson, James R., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Traffic signal. 169,898, June 23.
Ferguson, James R., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va.-Tenn. Traffic signal. 170,014, July 14.
Ferman, Harry, Newark, N. J. Automobile fender guide. 170,632, Oct. 20.
Ferragamo, Salvatore, Firenze, Italy. Shoe. 170,015, July 14.
Ferraro, Frank, Baltimore, Md. Box. 169,367, Apr. 21.
Fine, Milton, assignor to Dryer Company of America, Inc., Philadelphia, Pa. Electric hand drier. 170,353, Sept. 8.

Fischer, Joseph, Pelham Manor, N. Y. Rearview mirror. 169,936, June 30.
Fischer, Joseph, Pelham Manor, N. Y. Rearview mirror. 170,683, Oct. 27.
Fischer, Joseph, Pelham Manor, N. Y. Rearview mirror. 170,684, Oct. 27.
Fischer, Joseph, Pelham Manor, N. Y. Rearview mirror. 170,685, Oct. 27.
Fisher, Lester L., assignor to American-Olean Tile Company, Lansdale, Pa. Combination cabinet and easel. 171,201, Dec. 29.
Fischer, Philip, Northfield, Ill. Bottle. 168,885, Feb. 24.
Fischer, R. A., & Co., assignee: *See*— Greene, Harry R.
Fisher, Max, Lower Alsace Township, Berks County, Pa. Stocking. 169,740, June 2.
Fisher, Max, Lower Alsace Township, Berks County, Pa. Stocking. 169,741, June 2.
Fisher, Max, Lower Alsace Township, Berks County, Pa. Stocking. 170,405, Sept. 15.
Fisher, Max, Lower Alsace Township, Berks County, Pa. Stocking. 170,406, Sept. 15.
Fisher, Max, Lower Alsace Township, Berks County, and G. J. Eligman, Mount Penn, Pa. Stocking. 170,407, Sept. 15.
Fisher, Nairne W., Chicago, Ill. Auditorium chair. 169,132, Mar. 31.
Fisk, Hollis M., Oakland, assignor to J. A. Delamater, San Francisco, Calif. Sock display form. 169,899, June 23.
Fitz Gerald, Harold G., Los Angeles, Calif. Portable projector. 170,633, Oct. 20.
Fleming, Mary P.: *See*— Allen, Grosvenor N., and Fleming.
Fleming, Mary P., Newark, N. J., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 168,886, Feb. 24.
Fleming, Mary P., Newark, N. J., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 171,031, Dec. 8.
Flood, Charles W., Jr., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wall fixture for deodorizing lamps. 170,188, Aug. 18.
Flora-Lite Company, assignee: *See*— Jones, Charles E., and Crowle.
Floria, James D., Fox Point, assignor to Webster Electric Company, Racine, Wis. Intercommunicating system master station unit. 168,614, Jan. 13.
Florian, Gordon W., Fairfield, H. W. Streck, Bridgeport, and W. E. Kelsey, Jr., Fairfield, Conn. School desk. 168,787, Feb. 10.
Florian, Gordon W., Fairfield, H. W. Streck, Bridgeport, and W. E. Kelsey, Jr., Fairfield, Conn. Chair. 169,742, June 2.
Fogarty, Charles A., Brooklyn, N. Y. Clothesbrush. 169,248, Apr. 7.
Folden, Clarence L., Park Forest, assignor to Sears, Roebuck and Co., Chicago, Ill. Phonograph tone arm. 169,249, Apr. 7.
Folli, Arthur J., Chicago, assignor to Burgess Vibrocrafters, Inc., Lake Zurich, Ill. Knife and scissors sharpener. 169,539, May 12.
Footlik, Irving M., and F. Johnson, assignors of fifty per cent to Marvel Metal Products Co., and fifty per cent to Randolph Metal Products Co., Chicago, Ill. Tote box. 169,368, Apr. 21.
Formflex Foundations, Inc., assignee: *See*— Kurzer, Harry.
Formica Company, The, assignee: *See*— Stevens, Clifford B.
Forrester, Clyde L., assignor to Bell & Howell Company, Chicago, Ill. Housing for a microfilm reader or the like. 169,369, Apr. 21.
Forsyth, George H., Chicago, Ill. Table tennis bat. 168,788, Feb. 10.
Foss, Joan L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle case. 170,914, Nov. 24.
Foss, Robert, Chicago, Ill. Cradle telephone lamp. 170,016, July 14.
Foster, Agnes C., assignee: *See*— Foster, Edward J.
Foster, Edward J., assignor to A. C. Foster, Cincinnati, Ohio. Drinking glass. 170,312, Sept. 1.
Foster Grant Co., Inc., assignee: *See*— Bloch, Jack.
Foster, Joseph C.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 168,737, Feb. 3.
Foster Metal Products Incorporated, assignee: *See*— Boots, William C.
Foster, Vaughn A., Gaston, Ind. Tray. 169,133, Mar. 31.
Fountain, Leslie A., and D. Phillips, assignors to Belling and Lee Limited, Enfield, England. Combined vacuum tube extractor and terminal pin straightener. 169,540, May 12.
Fox, Alexander P., University City, and A. D. Reisert, Bel-Nor, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for lubricating equipment. 171,125, Dec. 22.
Fox, Elton B., El Cerrito, Calif. Thermostatic valve. 170,855, Nov. 17.
Fox, Herman H., assignee: *See*— Mayer Robert.
Fox Products Company, assignee: *See*— Medlar, Lewis A., and Shuler.
Fox, William F., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Cabinet for a radio receiver. 168,647, Jan. 20.
Foyar, Arthur L., San Francisco, Calif. Casing for a sewing machine. 168,929, Mar. 3.
Fram Corporation, assignee: *See*— Monsarrat, Nicholas.
Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Engine priming device. 170,313, Sept. 1.
Francken, Jock, Villa Ly, Lugano-Suvigliana, Switzerland. Cigarette holder. 170,257, Aug. 25.
Frank, Charles H., Jr., Merrick, assignor to Ercona Camera Corp., New York, N. Y. Camera. 170,686, Oct. 27.
Frank, Charles H., Jr., Merrick, assignor to Ercona Camera Corp., New York, N. Y. Camera. 170,687, Oct. 27.
Frank, Robert H., assignor to The Enterprise Manufacturing Co. of Pennsylvania, Philadelphia, Pa. Cherry Pitter. 169,034, Mar. 17.
Frankel, Donald, assignee: *See*— Bellett, Ettie B.
Franklin, Benjamin L., Tucson, Ariz. Sewing cabinet. 169,969, July 7.
Fraser, Laura G., Westport, Conn., assignor to United States Military Academy, West Point, N. Y. Medal. 169,134, Mar. 31.
Frawley Corporation, assignee: *See*— Spatz, Walter B
Freeman, Ernest W., Belleville, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Powder dispensing can. 169,970, July 7.
Freeman, Walter E., Augusta, Ga. Combined cigarette and golf tee holder. 168,930, Mar. 3.
Freeman, William, & Company Limited, assignee: *See*— Freeman, William S.
Freeman, William S., assignor to William Freeman & Company Limited, Barnsley, England. Box for fragile articles. 168,835, Feb. 17.
Frees, David, Sun Valley, and E. L. Schwartz, Los Angeles, Calif. Door handle guard. 168,538, Jan. 6.
Frees, David, Sun Valley, and E. L. Schwartz, Los Angeles, Calif. Door handle guard. 168,539, Jan. 6.
Frees, David, Sun Valley, and E. L. Schwartz, Los Angeles, Calif. Door handle guard. 168,931, Mar. 3.
Frenzel, Edgar G., assignor to Continental Art Company, Chicago, Ill. Figurine. 168,682, Jan. 27.
Frenzel, Edgar G., assignor to Continental Art Company, Chicago, Ill. Figurine. 170,634, Oct. 20.
Frenzel, Edgar G., assignor to Continental Art Company, Chicago, Ill. Figurine. 170,635, Oct. 20.
Freund, Dean H.: *See*— Latimer, Charles A., and Freund.
Freund, Peter, Knitting Mills, Inc., assignee: *See*— Freund, Peter, Jr.
Freund, Peter, Jr., Teaneck, assignor to Peter Freund Knitting Mills, Inc., North Bergen, N. J. Shawl or the like. 169,308, Apr. 14.
Friedman, Abraham S., Hicksville, assignor to The National Ideal Company, Toledo, Ohio. Brooder heater. 168,738, Feb. 3.
Friedman, Bernard, and S. Rosengarten, New York, N. Y. Appliqued fabric. 168,540, Jan. 6.
Friedman, Rose T., Scranton, Pa. Child's sleeping garment or the like. 168,887, Feb. 24.
Friedman, Rose T., Scranton, Pa. Child's pram suit or the like. 168,888, Feb. 24.
Frischmann, Joseph A., Cleveland Heights, Ohio. Lift truck. 169,900, June 23.
Fritz, Ralph C., Jr., Van Nuys, G. L. dé Caccia, Culver City, and D. Ratzlaff, Los Angeles, Calif. Stackable tote box. 169,743, June 2.
Frost, John G., Seattle, Wash. Game apparatus. 169,744, June 2.
Frydlender, Sophie, assignor to Lancome, S. A., Paris, France. Atomizer. 168,739, Feb. 3.
Frydlender, Sophie, assignor to Lancome, S. A., Paris, France. Flask. 168,932, Mar. 3.
Frye, Lonnie E., Hillsville, Va., assignor to Carroll Hosiery Corporation, New York, N. Y. Stocking. 169,475, May 5.
Fryer, Gilbert N., Glendora, Calif. Pencil sharpener. 171,126, Dec. 22.
Fukal, Alfred F., Houston, Tex., assignor to W. A. Bruck, Denver, Colo. Cigarette lighter. 169,135, Mar. 31.
Fukal, Alfred F., assignor to Gulf Coast Manufacturing Co., Inc., Houston, Tex. Educational toy. 170,753, Nov. 3.
Fuller, Ving, Sherman Oaks, Calif. Toy bank or similar article. 169,309, Apr. 14.
Fullerton, Florence F., Long Island City, N. Y. Toy animal. 169,310, Apr. 14.
Fulop, Charles, Cleveland, Ohio. Bolt. 170,571, Oct. 13.
Fund, Harry, St. Louis, Mo. Display case for sheet material. 168,989, Mar. 10.
Futuristic Products Company, assignee: *See*— Wasserman, Sidney, and Sterns.
G. M. Laboratories, Inc., assignee: *See*— Palma, Joseph, Jr., and Leubner.
Gabriel Company, The, assignee: *See*— Colvin, Robert H.
Gaccione, Samuel: *See*— Tierney, Thomas V., and Gaccione.
Gaggia, Giovanni, Milan, Italy. Combination pressure coffee maker and dispenser. 169,842, June 16.

Gamble, Lilla C., Worcester, Mass. Game board. 168,933, Mar. 3.
Gannett, Joseph K., Chagrin Falls, and R. H. Strasmyer, Lakewood, assignors to The Austin Company, East Cleveland, Ohio. Building wall. 169,584, May 19.
Gantz, Emanuel, Harrison, assignor to Empire Brushes, Inc., Port Chester, N. Y. Broom or similar article. 170,017, July 14.
Ganz, Daniel M., Forest Hills, and R. G. Feiner, Long Beach, N. Y. Combination cigarette and vanity case. 169,311, Apr. 14.
Garardy, Alfred B., Park Forest, C. V. Norby, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 169,938, June 30.
Garb, Ira, Brooklyn, N. Y. Chocolate chick. 169,250, Apr. 7.
Gardex, Inc., assignee: *See*— Bowman, Clifford A.
Gardner, Bryant H., Springfield, and F. G. Towle, South Dartmouth, Mass. Carboy. 168,889, Feb. 24.
Garland, Philip L., Jr., Louisville, Ky., assignor to General Electric Company. Clockcase. 169,432, Apr. 28.
Garlock, Russell D., Minneapolis, Minn. Utility cart. 170,915, Nov. 24.
Garreau, Armand J., Newport, R. I. Bracelet display stand. 169,806, June 9.
Garriott, Rosebud M., assignee: *See*— Collins, Clifton T.
Garson, Arthur, New York, N. Y. Brassière. 168,789, Feb. 10.
Gaspari, Joseph, Rye, N. Y. Pair of spectacles. 170,314, Sept. 1.
Gast, George, assignor to Superior Plastics Inc., Chicago, Ill. Shadow box. 170,354, Sept. 8.
Gastright, Frank A., Fort Lauderdale, Fla. Caddy cart. 170,636, Oct. 20.
Gavette, Richard C., Bristol, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 170,455, Sept. 22.
Gay Fad Studios Company, assignee: *See*— Taylor, Fran.
Gaylord, James K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Wheel trim hubcap. 170,972, Dec. 1.
Gaylord Products, Incorporated, assignee: *See*— Gaylord, James K.
Geisel, Theodor S., La Jolla, Calif., assignor to Columbia Pictures Corporation, New York, N. Y. Hat. 169,971, July 7.
Gelssler, Elmer H., Atlanta, Ga. Directional arrow. 168,790, Feb. 10.
Gelardin, Benjamin, New York, N. Y. Figure toy. 170,081, July 28.
Gelardin, Benjamin, New York, N. Y. Figure toy. 170,082, July 28.
Gelardin, Benjamin, New York, N. Y. Figure toy. 170,083, July 28.
Gemex Company, assignee: *See*— Boehm, Roland F.
General Electric Company, assignee. *See*— Bakke, Hans A.
Garland, Philip L., Jr.
Kerr, Roger B., and Gianascol.
McFarland, Donald L.
Nessler, John L.
Otto, Carl.
Petzold, William B.
Rassman, George C.
Rowell, Ralph M., and Kerr.
Sandin, Ray C.
Wassmann, Lutrelle P.
General Felt Products Co., assignee: *See*— Horwich, Theodore.
General Flexware Corp., assignee: *See*— Rioux, Eugene O.
General Mills, Inc., assignee: *See*— Polivka, John N.
Schott, Howard H.
General Motors Corporation, assignee: *See*— Wogoman, Jack E.
General Tire & Rubber Company, assignee: *See*— Lampman, Clay D.
Geneser, Jack S., Brownsville, Tex. Savings bank or similar article. 168,740, Feb. 3.
George, Robert L.: *See*— Bach, Walter H., and George.
Gerber, Walter, St. Louis, Mo. Adjustable rotatable television table. 170,315, Sept. 1.
Gerett, M. A., Corporation, assignee: *See*— Maage, Alfred E., Jr.
Gerity-Michigan Corporation, assignee: *See*— Graff, George.
Gerlach, John N., Santa Ana, Calif. Ratchet wrench. 170,688, Oct. 27.
Gerlich, Mac, Brooklyn, N. Y. Front for spectacle frames. 168,990, Mar. 10.
Gerlich, Mac, Brooklyn, N. Y. Front for spectacle frames. 168,991, Mar. 10.
Gerlich, Mac, Brooklyn, N. Y. Spectacle frame. 169,476, May 5.
Germer, Arthur C.: *See*— Israel, Dorman D., Germer, and James.
Gero, Adelard J., Jr., Taftville, Conn. Combination automobile-airplane. 169,807, June 9.
Gershen, Irvin J., Hillside, N. J., assignor to Industrial Tape Corporation. Tape cutter. 170,456, Sept. 22.
Gershun, Merton L., assignor to American Furniture Company, Martinsville, Va. Chest. 170,856, Nov. 17.
Gerson, Samuel L., Wilmington, Del. Combined cleaver, tenderizer, and saw or similar article. 169,843, June 16.
Gerth, William H., New York, assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 168,890, Feb. 24.
Gey, William H., Boston, Mass. Lighter fuel filler. 169,937, June 30.
Gianascol, Frank: *See*— Kerr, Roger B., and Gianascol.
Giannotti, Albert J., Redwood City, Calif. Ski sled. 168,741, Feb. 3.
Gibson Refrigerator Company, assignee: *See*— Trometer, August G.
Giebel, Henry, New York, N. Y. Lace. 169,251, Apr. 7.
Gift Service, Inc., assignee: *See*— Chamberlain, Clyde E.
Gilbert, Benjamin D., Stamford, Conn. Muddler. 169,477, May 5.
Giles, Robert W., Sr., Mountain Home, Tenn. Ash tray. 168,541, Jan. 6.
Gillarde, Walter, Chicago, Ill. Ash tray. 170,916, Nov. 24.
Gilliam, Hinch G., Kingsport, Tenn. Spoke and hub cover for automobile steering wheels. 170,116, Aug. 4.
Giltner, Hugh J., San Francisco, Calif. Combination seat and table or similar article. 168,791, Feb. 10.
Gimble, Irving, and D. Musano, New York, N. Y. Brassière. 171,127, Dec. 22.
Ginsburg, Edward W., assignee: *See*— Mercer, Norman J.
Giorklint, Astrid, Los Angeles, Calif. Christmas tree ornament. 170,799. Nov. 10.
Girardy, Alfred B., Park Forest, C. V. Norby, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 170,857, Nov. 17.
Girz, Rudolf, assignor to Tower Fabrics Co. Inc., New York, N. Y. Textile fabric or the like. 169,136, Mar. 31.
Giulietti Accordion Corporation, assignee: *See*— Giulietti, Julio.
Giulietti, Julio, Brooklyn, assignor to Giulietti Accordion Corporation, New York, N. Y. Accordion grill. 169,745, June 2.
Glass, Henry P., Chicago, Ill., assignor to The William Brenner Furniture Corp., Cincinnati, Ohio. Sectional sofa. 170,189, Aug. 18.
Glass, Henry P., Chicago, Ill., assignor to The William Brenner Furniture Corp., Cincinnati, Ohio. Living room sofa. 170,190, Aug. 18.
Glassenhart, Alfons: *See*— Stolz, William J., and Glassenhart.
Glatthar, George E., University Heights, and A. W. Matteson, Lakewood, assignors to The Art Metal Company, Cleveland, Ohio. Lighting fixture. 169,972, July 7.
Glatthar, George E., University Heights, and A. W. Matteson, Lakewood, assignors to The Art Metal Company, Cleveland, Ohio. Lighting fixture. 170,084, July 28.
Glencott, Frances, New York, N. Y. Combined hat and puppet. 168,648, Jan. 20.
Globe Rubber Products Corporation, assignee: *See*— Schwartz, Albert.
Globe Venetian Blind Corporation, assignee: *See*— Huddles, Paul.
Globe-Wernicke Co., The, assignee: *See*— Budai, Steve G.
Gloeckler, Hugo, Flushing, N. Y. Combination cold and hot pack. 170,499, Sept. 29.
Godfredsen, Dee E., Santa Monica, Calif. Apron or similar article. 170,689, Oct. 27.
Goettsche, Roy, Saginaw, Mich. House trailer. 171,032, Dec. 8.
Goins, Walter D., Sr., Birmingham, Ala. Combined desk and counter. 169,973, July 7.
Goldberg, Julius M., New York, N. Y. X-ray film holder and directional guide. 168,992, Mar. 10.
Goldberg, Max, Glencoe, Ill. Ice-cream cone dispenser. 169,901, June 23.
Goldberg, Rubin, Great Neck, N. Y. Handbag. 168,891, Feb. 24.
Golden, Harry, New York, N. Y. Combination handlebar grip and bell for bicycles. 170,457, Sept. 22.
Goldman, Harold, Bronx, N. Y. Comb. 169,808, June 9.
Goldman, Harry M., New Rochelle, N. Y. Shaped textile fabric. 169,137, Mar. 31.
Goldman, Harry M., New Rochelle, N. Y. Shaped textile fabric. 169,252, Apr. 7.
Goldman, Neal, New York, N. Y., assignor to The International Silver Co., Meriden, Conn. Cutlery holder or similar article. 169,433, Apr. 28.
Goldman, Neal, New York, N. Y., assignor to The International Silver Co., Meriden, Conn. Cutlery case or similar article. 170,973, Dec. 1.
Goldman, Robert, and R. R. Nemzer, South Hempstead, assignors to Bo-Low Lamp Corp., Brooklyn, N. Y. Music box nursery lamp. 169,974, July 7.
Goldman, Robert, and R. R. Nemzer, South Hempstead, assignors to Bo-Low Lamp Corp., Brooklyn, N. Y. Music box nursery lamp. 169,975, July 7.
Goldrosen, David, assignor to Dapol Plastics, Inc., Worcester, Mass. Plate or similar article. 169,478, May 5.

Goldstein, William H., Atlanta, Ga. Diaper cover or the like. 171,128, Dec. 22.
Goodman, Daniel: *See*— Quigley, Stephen M., and Goodman.
Goodman Manufacturing Company, assignee: *See*— Bergmann, Ernst R.
Goodrich, B. F., Company, The, assignee: *See*— Billingsley, William F.
Custer, Charles C.
Goodrich, Norris E., Battle Creek, Mich. Therapeutic lamp. 169,312, Apr. 14.
Goodson, James P., Childress, Tex. Calendar. 171,129, Dec. 22.
Goodstein, Wallace M., San Francisco, Calif. Sports display cornice unit. 169,585, May 19.
Gordon, Lawrence W., Stockton, Calif. Display rack or the like. 171,033, Dec. 8.
Gordon, Melvin J., assignee: *See*— Wilcher, Abrasha.
Gordon, Melvin J., Wellesley Hills, Mass. Lady's stocking. 169,035, Mar. 17.
Gordon, Sadye Z., assignee: *See*— Wilcher, Abrasha.
Gorham, Marie L., Santa Barbara, Calif. Combination dispenser and disposal box. 170,974, Dec. 1.
Gorth, Henry F., Saint Catharines, Ontario, Canada, assignor to Talon, Inc. Combined slider body and pull tab for slide fasteners. 169,138, Mar. 31.
Goss, Isabel, Lawndale, Calif. Rocking horse. 170,052, July 21.
Gossard, H. W., Co., The, assignee. *See*— Peck, Mary F.
Gothé, David E., New York, N. Y. Dress. 170,191, Aug. 18.
Gottlieb, Joseph, Jersey City, N. J. Clockcase or similar article. 169,659, May 26.
Gottlieb, Richard A., Detroit, Mich. Flashlight. 170,316, Sept. 1.
Gottschalk, William H., assignee: *See*— Russell, George F.
Gould, Allan, New York, N. Y. Chair. 168,993, Mar. 10.
Grace, Michael P., assignee: *See*— Del Mas, Christy M.
Grace-Mas Enterprises, Inc., assignee: *See*— Del Mas, Christy M.
Graff, George, Toledo, Ohio, assignor to Gerity-Michigan Corporation, Adrian, Mich. Dispenser for powdered or granular materials. 170,858, Nov. 17.
Graham, Maurice H., J. N. Polivka, J. K. Hamilton, and R. G. Davis, Minneapolis, Minn., assignors to Jet-O-Mat, Inc. Coffee maker. 171,202, Dec. 29.
Grant, Max L., Providence, R. I. Fare box. 170,085, July 28.
Grasso, James V., assignor to Inland Manufacturing Company, Omaha, Nebr. Radiator flow test machine. 170,975, Dec. 1.
Grasso, James V., assignor to Inland Manufacturing Company, Omaha, Nebr. Flow test machine for radiators. 170,976, Dec. 1.
Graves, George W., Oak Park, assignor to Buehler, Ltd., Chicago, Ill. Laboratory specimen press. 168,892, Feb. 24.
Gredell, Marcellus W., Detroit, Mich. Water mixing control unit. 169,434, Apr. 28.
Gredell, Marcellus W., Detroit, Mich. Water mixing control unit. 169,435, Apr. 28.
Green, Daniel, Company, assignee: *See*— Disch, John E.
Green, Howard S., assignor, by mesne assignments, to All American Engineering Company, Wilmington, Del. Aircraft ski or similar article. 170,192, Aug. 18.
Green, Howard S., assignor, by mesne assignments, to All American Engineering Company, Wilmington, Del. Aircraft ski or similar article. 170,193, Aug. 18.
Green, Howard S., assignor, by mesne assignments, to All American Engineering Company, Wilmington, Del. Aircraft ski or similar article. 170,194, Aug. 18.
Green, Howard S., assignor, by mesne assignments, to All American Engineering Company, Wilmington, Del. Aircraft ski or similar article. 170,195, Aug. 18.
Green, Marvin E., Los Angeles, Calif. Shadow box. 170,690, Oct. 27.
Greene, Ben, New York, N. Y. Combined slide and strip film projector, sound amplifier, and carrying case therefor. 168,934, Mar. 3.
Greene, Harry R., Pasadena, assignor to R. A. Fischer & Co., Glendale, Calif. Vibrator. 170,500, Sept. 29.
Greenlee, Charles H., New York, N. Y. Spice cabinet. 170,018, July 14.
Greenspan, Morris, New York, N. Y. Illuminable floral vase or similar article. 169,370, Apr. 21.
Greenstein, Benjamin, Bronx, and C. Molk, New York, N. Y. Metal box. 169,436, Apr. 28.
Greer, Ray F., San Diego, Calif. Shirt. 170,800, Nov. 10.
Gregg, Robert S., Fredericktown, Ohio. Wall lighting fixture or similar article. 169,063, Mar. 24.
Greppin, Ernest H., Brighton, assignor to Wilmot Castle Company, Rochester, N. Y. Surgical lighting fixture. 171,034, Dec. 8.
Greshel, Leonard J.: *See*— Robinson, James M., Greshel, and Lewis.
Gries, Otto, New Rochelle, N. Y. Cup hook. 170,196, Aug. 18.
Gries, Otto, New Rochelle, N. Y. Hexagon capped nut. 170,408, Sept. 15.
Griffin, Howard L., Greensboro, N. C. Pie. 170,258, Aug. 25.
Griffiths, Clifford B., Sutton Coldfield, assignor to Porterprint Limited, Leeds, England. Set of playing cards. 170,801, Nov. 10.
Griggs, Sally L., Springfield, assignor to Stanley Home Products, Inc., Westfield, Mass. Plate. 169,036, Mar. 17.
Gross, Irmi A., New York, N. Y. Lamp. 169,660, May 26.
Gross, Irmi A., New York, N. Y. Lamp. 169,661, May 26.
Gross, Irmi A., New York, N. Y. Lamp. 169,662, May 26.
Gross, Irmi A., New York, N. Y. Lamp. 169,663, May 26.
Gross, Irmi A., New York, N. Y. Lamp. 169,664, May 26.
Gross, Joseph S., New York, N. Y. Dress. 170,197, Aug. 18.
Gross, Max, assignor to Chic Maid Hat Company, Inc., Buffalo, N. Y. Hat. 170,355, Sept. 8.
Grossman, Harold, St. Louis, Mo. Coin receptacle. 169,037, Mar. 17.
Grotrian, Helfferich, Schulz, Th. Steinweg Nachf. OGH, assignee: *See*— Grotrian-Steinweg, Helmut.
Grotrian-Steinweg, Helmut, assignor to Grotrian, Helfferich, Schulz, Th. Steinweg Nachf. OGH, Braunschweig, Germany. Piano. 169,437, Apr. 28.
Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co., Inc. Tray or similar article. 169,064, Mar. 24.
Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co. Inc. Food warmer or similar article. 169,665, May 26.
Gruen, Robert L., New York, N. Y., assignor to Continental Silver Co. Inc. Lazy Suzan or similar article. 170,917, Nov. 24.
Gruner, William J., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Shoe sole. 171,130, Dec. 22.
Grzesiowski, Charles W., St. Louis, Mo. Tie holder. 168,542, Jan. 6.
Guild, Lurelle, Darien, Conn., assignor to Aluminum Company of America, Pittsburgh, Pa. Wall hook. 170,458, Sept. 22.
Guild Radio and Television Company, assignee: *See*— Ackerman, Jackie.
Gulf Coast Manufacturing Co., Inc., assignee: *See*— Fukal, Alfred F.
Gulick, Harold M., Miami, and C. E. Stedman, Coral Gables, assignors to Industrial Research, Inc., Miami, Fla. Catalyst battery cap. 169,479, May 5.
Gundelfinger, William E.: *See*— Lehmann, George A., and Gundelfinger.
Gundelfinger, William E., House Springs, Mo. Combined can and bottle opener. 168,649, Jan. 20.
Gundelfinger, William E., House Springs, Mo. Can opener. 168,994, Mar. 10.
Gustafson, Folke M., Toledo, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Electric range. 168,893, Feb. 24.
Gustafson, Folke M., Toledo, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Electric range. 170,117, Aug. 4.
Gustin, George M., assignor to The G. M. Diehl Machine Works, Inc., Wabash, Ind. Gang rip-saw. 169,902, June 23.
Guttman, John B., Hoboken, N. J., assignor to Squeezit Corporation, New York, N. Y. Lemon squeezer. 169,139, Mar. 31.
Gyrodyne Company of America, Inc., assignee: *See*— Papadakos, Peter J.
Strong, Edward W.
H. M. H. Co., The, assignee: *See*— Randall, Horace.
Hackley, David S.: *See*— Ewart, Elliott S., and Hackley.
Hadley Company Limited, The, assignee: *See*— Rosser, Neil K. G.
Hafner Associates, Inc., assignee: *See*— Petracek, Vaclav.
Hagan, Ann, New York, N. Y. Child's coverall-apron. 170,156, Aug. 11.
Hagedorn, Norman A., Middletown, Ohio. Bottle opening and resealing tool. 169,253, Apr. 7.
Hagen, John H., Canton, Ohio. Combined lamppost and mailbox support. 169,809, June 9.
Hagewood, Lorris V., Gatlinburg, Tenn. Handbag. 169,586, May 19.
Hagewood, Lorris V., Gatlinburg, Tenn. Handbag. 169,587, May 19.
Hainke, Paul, Mower Corporation, Inc., The, assignee: *See*— Hainke, Paul W.
Hainke, Paul W., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans. Power lawn mower head. 168,836, Feb. 17.
Hainke, Paul W., assignor to The Paul Hainke Mower Company, Inc., Hutchinson, Kans. Combination gear box cover and shaft support. 170,019, July 14.
Hajos, Joseph L., Bronx, N. Y., and K. Speck, Palisades Park, assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Watch band or similar article. 170,977, Dec. 1.

Hajos, Joseph L., Bronx, N. Y., and K. Speck, Palisades Park, assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Watch band or similar article. 170,978, Dec. 1.

Hall, Frank G., Chicago, Ill. Hairpin. 170,053, July 21.

Hall, Irving B., Chicago, Ill. Clock. 170,859, Nov. 17.

Hall, Marion L., Elgin, Ill. Coaster wagon. 169,038, Mar. 17.

Hall, Mitchell A., Fort Thomas, Ky., assignor to Monarch Tool & Manufacturing Company, Cincinnati, Ohio. Drop chute coin selector. 169,065, Mar. 24.

Hallock, Robert M., Atlanta, Ga. Beverage cooler. 168,935, Mar. 3.

Halpern, Joseph, New York, N. Y. Cigarette package receptacle. 169,066, Mar. 24.

Haman, Ralph W., Flossmoor, C. V. Norby, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Observation car. 168,837, Feb. 17.

Haman, Ralph W., Flossmoor, and C. V. Norby, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 170,637, Oct. 20.

Hamill, Virginia, New York, N. Y., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,838, Feb. 17.

Hamill, Virginia, New York, N. Y., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,254, Apr. 7.

Hamill, Virginia, New York, N. Y., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or similar article. 170,918, Nov. 24.

Hamill, Virginia, New York, N. Y., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or similar article. 170,919, Nov. 24.

Hamill, Virginia, New York, N. Y., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or similar article. 170,920, Nov. 24.

Hamill, Virginia, New York, N. Y., assignor to The Federal Glass Company, Columbus, Ohio. Glass tumbler or similar article. 170,921, Nov. 24.

Hamilton, Bertis F., Columbus, Ind. Chair. 169,810, June 9.

Hamilton, Bertis F., Columbus, Ind. Baby jumper. 170,259, Aug. 25.

Hamilton, John, Ivyland, assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 169,313, Apr. 14.

Hamilton, John K.: *See*—
Graham, Maurice H., Polivka, Hamilton, and Davis.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 169,666, May 26.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 169,667, May 26.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 170,528, Oct. 6.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat. 171,088, Dec. 15.

Hamlin, Cyrus: *See*—
Butler, Edwin F., and Hamlin.

Hamman, Vernon T., Springfield, Ohio. Bottle. 170,459, Sept. 22.

Hämmerli, Emil, Toronto, Ontario, Canada. Hinge. 170,529, Oct. 6.

Handcraft Company, Inc., The, assignee: *See*—
Hiestand, Preston E.

Handler, Elliot, Los Angeles, Calif. Toy trolley. 168,742, Feb. 3.

Handler, Elliot, Los Angeles, Calif. Toy automobile. 169,541, May 12.

Handler, Elliot, Los Angeles, Calif. Automotive toy. 170,802, Nov. 10.

Hanovia Chemical & Mfg. Company, assignee: *See*—
Kaveckas, Benedictus K.

Hanselmann, Willy, Paris, France, assignor to Edgar C. Hyman Co. Inc., New York, N. Y. Scarf. 169,588, May 19.

Hardeman, William E., Solihull, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 169,668, May 26.

Hardt, Raymond J.: *See*—
Helfenbein, Anne, and Hardt.

Hardy, William H., New York, N. Y. Handbag. 168,543, Jan. 6.

Hardy, William H., River Edge, N. J. Handbag. 169,669, May 26.

Hardy, William H., River Edge, N. J. Handbag. 169,746, June 2.

Hardy, William H., River Edge, N. J. Handbag. 170,118, Aug. 4.

Hardy, William H., River Edge, N. J. Handbag. 170,979, Dec. 1.

Hardy, William H., River Edge, N. J. Handbag. 170,980, Dec. 1.

Hare, Bert V., Wenatchee, Wash. Cribbage board. 170,501, Sept. 29.

Hare, John R., Niagara Falls, N. Y. Drinking cup. 170,409, Sept. 15.

Harley-Davidson Motor Co., assignee: *See*—
Harley, William J.

Harley, William J., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Motorcycle saddlebag. 170,356, Sept. 8.

Harmon, Sydney E., Evanston, Ill. Telephone shoulder rest. 170,086, July 28.

Harper, Ewing, San Francisco, Calif. Ash tray. 170,020, July 14.

Harper, Fred C., deceased, Waterville; H. H. Harper, executrix, assignor to Keyes Fibre Company, Portland, Maine. Box for cylindrical articles. 170,087, July 28.

Harper, Hazel H., executrix: *See*—
Harper, Fred C.

Harrington, Gerald D.: *See*—
Shakespeare, Henry G., and Harrington.

Harris, Evelyn, Pelham Manor, N. Y. Child's head support for use in bathtubs. 170,860, Nov. 17.

Harris-Seybold Company, assignee: *See*—
O'Brien, Richard C., and Schreckengost.

Harris, William C., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Floor polishing unit. 170,198, Aug. 18.

Hart, Farel, St. Peterbsurg, Fla. Pharmacy display globe. 170,572, Oct. 13.

Harwin, Dixon R., A. Stern, and V. H. Bodle, Los Angeles County, assignors to National Sponge Cushion Co., Inc., Los Angeles, Calif. Rug cushion or similar article. 170,861, Nov. 17.

Harwood Manufacturing Corp., assignee: *See*—
Marrow, Seymour A.

Hassenfeld, Merrill L., Providence, R. I. Tethered top toy. 169,589, May 19.

Hat Corporation of America, assignee: *See*—
Maxwell, Paul M., and Wlach.

Hauben, Maxwell M.: *See*—
Steir, Max, and Hauben.

Hauser, Alfred K., Chicago, Ill. Combination ice chopper and scraper for windshields and the like. 170,460, Sept. 22.

Hauser, Jon W.: *See*—
Reinecke, Jean O., and Hauser.

Hauser, Jon W., Oak Park, assignor to Hawley Products Company, St. Charles, Ill. Combined toilet seat and cover therefor. 169,590, May 19.

Hausfeld, Betty A., Loveland, and E. M. and J. J. Marx, Cincinnati, assignors to So-Lo Works Incorporated, Loveland, Ohio. Woman's overshoe. 170,054, July 21.

Hawkins, Homer: *See*—
Hawkins, Wallace H. and H.

Hawkins, Lawrence G., London, England. Combined electric kettle and stand. 169,747, June 2.

Hawkins, Wallace H. and H., Panama City, Fla. Automobile ornament. 170,317, Sept. 1.

Hawkinson, Earle W., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 170,055, July 21.

Hawkinson, Earle W., assignor to Paul E. Hawkinson Co., Minneapolis, Minn. Tire. 170,691, Oct. 27.

Hawkinson, Earle W., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 170,862, Nov. 17.

Hawkinson, Earle W., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 171,203, Dec. 29.

Hawkinson, Hazel J., San Diego, Calif. Copybook holder. 169,903, June 23.

Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Earle W.

Hawkinson, Paul E., Co., assignee: *See*—
Hawkinson, Earle W.

Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Earle W.

Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Earle W.

Hawley Products Company, assignee: *See*—
Hauser, Jon W.
Reinecke, Jean O., and Hauser.

Hayes, Robert M., Weston, Mass. Safety pin. 169,748, June 2.

Hayes, Robert M., Weston, Mass. Child's teether toy. 170,357, Sept. 8.

Hayman, Larry H., and A. M. Silveri, West Covina, Calif. Gameboard. 170,922, Nov. 24.

Heath, Roy T.: *See*—
Walsh, Frank T., and Heath.

Hedgpeth, Theron L., Annapolis, Calif., assignor to C. Lynch, Kingman, Ariz. Automobile cooler. 168,792, Feb. 10.

Hedgpeth, Theron L., Annapolis, Calif., assignor to C. Lynch, Kingman, Ariz. Automobile cooler. 168,793, Feb. 10.

Hedstrom, Richard E., Bloomington, and B. M. Barrett, Wilmette, Ill. Combined suction cleaner and cart. 169,140, Mar. 31.

Heineke, Henry L., Springfield, Ill. Lawn mower. 168,683, Jan. 27.

Heinley, Paul P., Malibu, Calif. Louver board. 169,811, June 9.

Heintz Manufacturing Company, assignee: *See*—
Trautvetter, George.

Heinsel, Werner A., Greenwood, Del. Rotatable Christmas ornament. 170,461, Sept. 22.

Heiser Skate Company, assignee: *See*—
Korba, Joseph, Jr.

Heisey, A. H., & Company, assignee: *See*—
Heisey, T. Clarence.
King, Horace.

Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass dish or similar article. 169,314, Apr. 14.

Helander, Lillian V. M., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 170,056, July 21.

Helfenbein, Anne, and R. J. Hardt, assignors to Plastic Metal Mfg. Co., Chicago, Ill. Shelf. 169,480, May 5.

Helfenbein, Anne, and R. J. Hardt, assignors to Plastic Mfg. C., Chicago, Ill. Shelf. 169,481, May 5.

Heller, Robert, New York, N. Y., assignor to C. H. Masland & Sons, Carlisle, Pa. Carpet. 169,255, Apr. 7.

Heller, Robert, New York, N. Y., assignor to C. H. Masland & Sons, Carlisle, Pa. Carpet. 169,256, Apr. 7.

Hellman, Paul, New York, N. Y. Combined lunch box and vacuum bottle unit. 169,812, June 9.

Helm Accessories, Inc., assignee: *See*—
Helm, Frederick A.

Helm, Frederick A., assignor to Helm Accessories, Inc., Detroit, Mich. Automobile hood ornament. 169,591, May 19.

Hendrickson, James M., Kittanning, assignor to Eljer Co., Ford City, Pa. Lavatory. 170,530, Oct. 6.

Henfield, Martin, Long Island City, N. Y. Wall plaque. 168,995, Mar. 10.

Henfield, Martin, Long Island City, N. Y. Wall plaque or similar article. 170,803, Nov. 10.

Henk, Dorothy E., Pittsburgh, Pa. Stocking. 168,743, Feb. 3.

Henke, Jane B., near Seattle, and R. W. Beach, Seattle, Wash., said Beach assignor to said Henke. Display unit of interfitted toy blocks. 169,482, May 5.

Hennessy, Robert E., Summit, N. J., assignor to National Distillers Products Corporation, New York, N. Y. Decanter. 170,462, Sept. 22.

Hennessy, Robert E., Summit, N. J., assignor to National Distillers Products Corporation, New York, N. Y. Decanter. 170,573, Oct. 13.

Hennig, August J., and W. L. Waechter, Chicago, Ill. Game board. 170,531, Oct. 6.

Henning, Paul F. W., Chicago, Ill. Seal. 169,542, May 12.

Henning, Paul F. W., Chicago, Ill. Seal. 169,939, June 30.

Hercules Steel Products Corporation, assignee: *See*—
Altemiller, Arthur D.

Herdecker, Carl F., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 169,067, Mar. 24.

Herdecker, Carl F., assignor to Evans Case Co., North Attleboro, Mass. Cigarette holder. 169,483, May 5.

Herdecker, Carl F., assignor to Evans Case Co., North Attleboro, Mass. Ash tray. 169,484, May 5.

Herrman, Ernest, Hillsdale, N. J., and W. J. Carr, assignors to Heywood-Wakefield Company, Gardner, Mass. Chest of drawers. 168,839, Feb. 17.

Herrman, Ernest, Hillsdale, N. J., and W. J. Carr, assignors to Heywood-Wakefield Company, Gardner, Mass. Chest of drawers. 168,840, Feb. 17.

Herrman, Ernest, Hillsdale, N. J., and W. J. Carr, assignors to Heywood-Wakefield Company, Gardner, Mass. Chest of drawers. 168,841, Feb. 17.

Herrmann, Ernest, Hillsdale, N. J., assignor to The Mengel Company, Louisville, Ky. Chest. 170,021, July 14.

Herrmann, John A., Grosse Pointe Farms, assignor to BullDog Electric Products Co., Detroit, Mich. Electric switch. 169,438, Apr. 28.

Herschell, Allan Co., Inc., assignee: *See*—
Tober, Allan H.

Hess, Alva S., Hopkinsville, Ky. Lamp. 171,204, Dec. 29.

Hettrick Manufacturing Company, The, assignee: *See*—
Jones, James E.
Smith, William I.

Hexel, Leopold J., Detroit, Mich. Bottle. 170,754, Nov. 3.

Heyer, Don, El Monte, Calif. Pull for drawers, cabinet doors, and the like. 169,257, Apr. 7.

Heyer, Don, El Monte, Calif. Pull for drawers, cabinet doors and the like. 170,157, Aug. 11.

Heywood-Wakefield Company, assignee: *See*—
Herrman, Ernest, and Carr.

Hickey, John W., Long Island City, N. Y. Passbook bank. 170,574, Oct. 13.

Hickman, William P., Bridgeville, Pa., assignor of one-half to R. C. Johnson, Marlemont, Ohio. Finger ring. 169,749, June 2.

Hiestand, Preston E., assignor to The Handcraft Company, Inc., Princeton, Wis. Shoe or similar article. 168,744, Feb. 3.

Higgins, Joseph C., Chicago, Ill. Chair. 169,485, May 5.

Higginson, George J., Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, England. Plate or similar article. 169,371, Apr. 21.

Higier, Julius A., Johnstown, N. Y. Glove. 171,205, Dec. 29.

Hill, Frederick M.: *See*—
Trout, Harry R., and Hill.

Hill, John D., Rocky River, Ohio. Pair of goggles. 168,936, Mar. 3.

Hiller Engineering Corporation, Incorporated, assignee: *See*—
Hiller, Stanley, Jr.

Hiller, Stanley, Jr., Atherton, assignor to Hiller Engineering Corporation, Incorporated, Redwood City, Calif. Tractor. 170,358, Sept. 8.

Hills, David G., Hartford, assignor to Plax Corporation, West Hartford, Conn. Bottle. 170,755, Nov. 3.

Hills, David G., Hartford, assignor to Plax Corporation, West Hartford, Conn. Plastic bottle. 171,089, Dec. 15.

Hiltenbrand, Frank X., Ridgefield, N. J. Handbag. 170,318, Sept. 1.

Hines, Vernon C., and A. B. Callahan, Jr., assignors to The International Manufacturing Co., Denver, Colo. Portable heater. 170,804, Nov. 10.

Hinterschied, Martin J., Columbus, Ohio. Ash tray or similar article. 169,750, June 2.

Hirsch, Abe, New York, N. Y. Receptacle for spoons or the like. 169,258, Apr. 7.

Hirsch, Mahlon, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy weapon. 169,315, Apr. 14.

Hirsch, Mahlon, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy gun. 169,439, Apr. 28.

Hirsch, Mahlon, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy weapon. 169,440, Apr. 28.

Hirst, Sheldon F., assignee: *See*—
Rasmussen, Randall.

Hirst, Willard J., assignee: *See*—
Rasmussen, Randall.

Hiser, Roy L., Fort Worth, Tex. Hanger for clotheslines. 168,544, Jan. 6.

Hitchcock, Richard E., Birmingham, assignor to Detroit-Michigan Stove Company, Detroit, Mich. Cooking range control panel. 168,684, Jan. 27.

Hochner, Alex, New York, N. Y. Lady's bag or like receptacle. 168,996, Mar. 10.

Hockery, John C., trustee, assignee: *See*—
Orr, Matthew F.
Talge, Henry J.

Hodgman, Clare E., Mamaroneck, assignor to Bonis Bros. Fur Machinery Corp., New York, N. Y. Fur sewing machine. 170,638, Oct. 20.

Hoeflich, Victor T., Forest Hills, N. Y. Hat. 169,486, May 5.

Hoff, Gladys C.: *See*—
Corbett, Miriam E., and Hoff.

Hoffecker, Frank, assignor to Chadbourn Hosiery Mills, Inc., Charlotte, N. C. Lady's stocking. 170,319, Sept. 1.

Hoffecker, Frank, assignor to Chadbourn Hosiery Mills, Inc., Charlotte, N. C. Lady's stocking. 170,756, Nov. 3.

Hoffecker, Frank, assignor to Chadbourn Hosiery Mills, Inc., Charlotte, N. C. Lady's stocking. 170,863, Nov. 17.

Hoffman, Edward J., Jr., Hathorne, Mass. Pouring can. 170,639, Oct. 20.

Hoffman, Melvin J., Newton, assignor to Parkway Furniture Manufacturing Company, Lawrence, Mass. Combination sofa and couch. 170,088, July 28.

Hoffman, Samuel, Newark, N. J. Toy sparking pistol. 169,039, Mar. 17.

Hogshire, James A., Jr., Indianapolis, Ind. Building. 169,259, Apr. 7.

Hohberger, Harry H., Chicago, Ill. Pogo stick. 169,141, Mar. 31.

Holan Engineering Co., Inc., assignee: *See*—
Poole, Myron C.

Holbrook, Charles F., Harlingen, assignor to Vaporette, Inc., Dallas, Tex. Insecticide vaporizer. 168,685, Jan. 27.

Holbrook, Willis, Milwaukee, Wis. Game board. 169,040, Mar. 17.

Holge, George B., Long Island City, N. Y. Cigarette holder. 170,320, Sept. 1.

Holland, Annette, assignor to Desley Fabrics, Division of J. H. Thorp and Co. Inc., New York, N. Y. Textile fabric or similar article. 169,844, June 16.

Holland, Annette, assignor to Desley Fabrics, Division of J. H. Thorp and Co. Inc., New York, N. Y. Textile fabric or similar article. 169,845, June 16.

Holland, Louis E., Lee's Summit, Mo. Massaging machine. 169,751, June 2.

Holt, William E., Oakland, Calif. Floor polishing machine. 169,372, Apr. 21.

Homan, Matilda E., Los Angeles, Calif. Cape. 169,670, May 26.

Homme, Frank, Minot, N. Dak. Sign. 169,671, May 26.

Hommer, Julius J., Union, N. J. Handbag. 170,532, Oct. 6.

Hoodwin, Louis S., Bridgeman, assignor to Electro-Voice, Incorporated, Buchanan, Mich. Reentrant and direct diffraction loud-speaker horn. 169,904, June 23.

Hoodwin, Louis S., Bridgman, Mich. Loud-speaker horn. 171,206, Dec. 29.

Hooven, Florence S., executrix: *See*—
Hooven, Howard D.

Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven, executrix, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,068, Mar. 24.

Hooven, Howard D., deceased, Doylestown, Pa., by F. S. Hooven executrix, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 170,757, Nov. 3.

Hoover Company, The, assignee: *See*—
Dreyfuss, Henry.

Hopkins, Richard E., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Tiltable board game apparatus. 169,672, May 26.

Horton, Bert, New York, N. Y. Brush or similar article. 169,673, May 26.
Horvath, Anthony G., and W. H. Kuner, Dayton, and R. L. Wolfe, Springfield, assignors to The Master Electric Company, Dayton, Ohio. Gearhead motor. 169,487, May 5.
Horvath, Anthony G., and W. H. Kuner, Dayton, and R. L. Wolfe, Springfield, assignors to The Master Electric Company, Dayton, Ohio. Gearhead motor. 169,488, May 5.
Horvath, Anthony G., and W. H. Kuner, Dayton, and R. L. Wolfe, Springfield, assignors to The Master Electric Company, Dayton, Ohio. Right angled gearhead motor. 169,489, May 5.
Horwich, Theodore, assignor to General Felt Products Co., Chicago, Ill. Rug cushion or similar article. 168,894, Feb. 24.
Horwitch, Philip R., assignor to Paramount Manufacturing Company, Leominster, Mass. Combined letter opener and pencil. 170,410, Sept. 15.
Horwitz, Sidney H., Shaker Heights, assignor to The National Key Company, Cleveland, Ohio. Display stand. 168,997, Mar. 10.
Horwitz, Sidney H., Shaker Heights, Ohio. Combined display stand and base. 168,998, Mar. 10.
Hotchner, Fred, Los Angeles, Calif. Toy bug. 169,846, June 16.
Howard Company, The, assignee: *See*—
Ringwall, Edward D.
Howe Scale Company, The, assignee: *See*—
Straw, Richard F.
Howell Co., The, assignee: *See*—
Moxley, Murray.
Hoyle, Walter W., Syracuse, N. Y. Panel for a laundry appliance or the like. 170,089, July 28.
Hubby, Lindsy L.: *See*—
Murray, Burton L., Tefft, and Hubby.
Huch, Irene C., St. Paul, Minn. Pocketed bag for small articles. 168,545, Jan. 6.
Huddles, Paul, assignor to Globe Venetian Blind Corporation, Baltimore, Md. Head rail channel section. 169,441, Apr. 28.
Hudson, Kenneth K., Tampa, Fla. Bottle carrying case. 171,131, Dec. 22.
Hudson, Kenneth K., Tampa, Fla. Carrying case for bottles. 171,132, Dec. 22.
Hudson Lamp Company, assignee: *See*—
Bassler, John R.
Hug, Christian J., Highland, Ill. Combined bottle opener and screw driver. 169,490, May 5.
Hugh Grey Hosiery Company, assignee: *See*—
Cobert, Joseph C.
Hulcher, Blanche L., Virden, Ill. Checkerboard. 168,937, Mar. 3.
Hull, William D., Chicago, Ill. Combination screw driver and reamer. 170,119, Aug. 4.
Hummert, Robert H., assignor to Standard-Thomson Corporation, Dayton, Ohio. Window actuator. 170,805, Nov. 10.
Humphries, Walter, Erdington, Birmingham, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire. 170,640, Oct. 20.
Hunt, George S.: *See*—
Soffer, Jack W., and Hunt.
Hunter, Marie B., Dallas, Tex. Literature holder. 168,686, Jan. 27.
Hupp, Arleigh G., New Albany, Ind. Front for a wall oven. 168,687, Jan. 27.
Hupp, Arleigh G., New Albany, Ind. Cooking top. 169,260, Apr. 7.
Huston, Walter R., Napoleon, Ohio. Box for crayons or similar article. 170,321, Sept. 1.
Hutchison, Milburn R., La Jolla, Calif. Hobbyhorse. 169,976, July 7.
Huyck, F. C., & Sons, assignee: *See*—
Essex, Evelyn H.
Hvale, James L.: *See*—
Newman, Charles H., and Hvale.
Hyams, Herbert, New York, N. Y. Display unit. 169,674, May 26.
Hy-G Products Co., assignee: *See*—
Kayser, Ralph W.
Hyke Rubber Company, assignee: *See*—
Trump, Elno H.
Hyman, Edgar C., Co., Inc., assignee: *See*—
Nicouline, Vsevolode.
Hyman, Edgar C., Co., Inc., assignee: *See*—
Deroubaix, Lucien.
Hanselmann, Willy.
Mauri, Umberto.
Hyman, Jerome, Houston, Tex., assignor to Rockmont Envelope Co., Denver, Colo. Envelope. 168,615, Jan. 13.
Hyman, Sidney, New York, N. Y. Handbag. 170,199, Aug. 18.
Iannelli, Alfonso, Park Ridge, Ill. Combination stove, sink, and refrigerator unit. 168,616, Jan. 13.
Iannelli, Alfonso, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Mixing vessel for food mixers. 169,373, Apr. 21.
Igler, Emmerich T., New York, N. Y., and R. H. Wadsworth, South Orange, N. J. Magnifier and illuminator for viewing printed material and the like. 168,546, Jan. 6.
Illinois Watch Case Co., assignee: *See*—
Young, Frank W.
Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.
Imperial Glass Corporation, assignee: *See*—
Smith, French E.
Uhrmann, Carl J.
Indian Company, The, assignee: *See*—
Brown, Walter E.
Industrial Lamp Corporation, assignee: *See*—
Morgan, Jack.
Industrial Research, Inc., assignee: *See*—
Gulick, Harold M., and Stedman.
Industrial Tape Corporation, assignee: *See*—
Gershen, Irvin J.
Ingersoll-Rand Company, assignee: *See*—
Maclay, William R.
Ingram, Maxwell, Dumont, N. J. Combined spark plug and shield therefor. 169,142, Mar. 31.
Ingwer, Carl H., assignor to The Ridge Tool Company, Elyria, Ohio. Hand wheel for chucking tools. 171,207, Dec. 29.
Inland Manufacturing Company, assignee: *See*—
Grasso, James V.
Inman, Mahlon, Nashville, Tenn. Set of playing cards. 169,847, June 16.
Inman, Walter A., assignor to Waukegan Baby Seat Co. Inc., Waukegan, Ill. Corner toilet seat or similar article. 170,806, Nov. 10.
International Business Machines Corporation, assignee: *See*—
Kress, George H., and Sundberg.
International Harvester Company, assignee: *See*—
Lee, Fred A.
International Latex Corporation, assignee: *See*—
Owen, Harold A.
Sebrell, Lorin B.
International Manufacturing Co., The, assignee: *See*—
Hines, Vernon C., and Callahan.
International Silver Company, The, assignee: *See*—
Conroy, Edward J.
Goldman, Neal.
Helander, Lillian V. M.
Ippolito, Domenick, Glendale, Calif. Game apparatus. 168,547, Jan. 6.
Irwin, Cadwell C., assignor to Red Comet, Incorporated, Littleton, Colo. Holder for fire extinguisher grenade. 170,533, Oct. 6.
Isaacs, John D., San Diego County, assignor to The Regents of the University of California, Berkeley, Calif. Underwater kite-type cable depressor. 168,999, Mar. 10.
Ischinger, Alfred E., Reading, Pa. Stocking. 169,752, June 2.
Ischinger, Alfred E., Reading, Pa. Stocking. 169,753, June 2.
Ischinger, Alfred E., Reading, Pa. Stocking. 169,754, June 2.
Ischinger, Alfred E., Reading, Pa. Stocking. 169,755, June 2.
Ischinger, Alfred E., Reading, Pa. Stocking. 169,756, June 2.
Ischinger, Alfred E., Reading, Pa. Stocking. 169,757, June 2.
Ischinger, Alfred E., Reading, Pa. Stocking. 169,758, June 2.
Ischinger, Eric, Sr., Reading, Pa. Hand dispensing device for small elements. 170,411, Sept. 15.
Ischinger, Eric, Sr., Reading, Pa. Hand dispensing device for small elements. 170,412, Sept. 15.
Ischinger, Eric, Sr., Reading, Pa. Hand dispensing device for small elements. 170,413, Sept. 15.
Ischinger, Eric, Sr., Reading, Pa. Hand dispensing device for small elements. 170,414, Sept. 15.
Ish-Shalom, Samu-el, New York, N. Y. Monogrammed spectacle front. 168,548, Jan. 6.
Ish-Shalom, Samu-el, New York, N. Y. Initialed spectacle front. 168,549, Jan. 6.
Isham, Thad D., Owosso, Mich. Physiotherapeutic device for the hands, arms, and the like. 169,491, May 5.
Israel, Dorman D., New Rochelle, A. C. Germer, North Merrick, and K. E. E. James, Laurelton, assignors to Emerson Radio and Phonograph Corporation, New York, N. Y. Radio receiver. 170,923, Nov. 24.
Israelson, Albert I., Hartington, Nebr. Clothes hanger or the like. 169,442, Apr. 28.
Isserstedt, Siegfried G., Toronto, Ontario, Canada. Cribbage board. 170,120, Aug. 4.
J. & S. Manufacturing Co., assignee: *See*—
Feinberg, Theodore L.
Jackson, Harlan C., New York, N. Y. Chair. 170,121, Aug. 4.
Jacobi, David, assignee: *See*—
Colmar, Philip.
Jacobi, George, assignee: *See*—
Colmar, Philip.
Jacobson, Joel M., I. R. Barr, and E. J. Tousignan, Baltimore, Md. Combination drafting table, desk, and bookrack. 169,940, June 30.

Jacoby-Bender, Inc., assignee: *See*—
Rodriguez, Emil.
Jacoby, Franklyn W., New York, N. Y. Serving table. 170,692, Oct. 27.

Jaderborg, Thure, Jr., Lindsborg, Kans. Shoehorn or the like. 170,415, Sept. 15.
Jaeger, Kurt P. Miami, Fla. Calculator. 169,941, June 30.
James, Kenneth E. E.: *See*—
Israel, Dorman D., Germer, and James.
Järund, Harry S. V., Lund, assignor to R. Rausing, Simonstorp, Elentarp, Sweden. Combined tetrahedronal shaped packages and container therefor. 168,842, Feb. 17.
Jaxton Manufacturing Corporation, assignee: *See*—
Klein, Milton F.
Jay, Charles E., Long Beach, Calif. Helicopter. 171,133, Dec. 22.
Jay Specialties Products, Inc., assignee: *See*—
Yanchor, William.
Jenkins, Howard M., Jr., assignor to Van Auken, Inc., Detroit, Mich. Wheel cover. 170,057, July 21.
Jenkins, Howard M., Jr., assignor to Van Auken, Inc., Detroit, Mich. Wheel trim. 170,463, Sept. 22.
Jenkins, Howard M., Jr., assignor to Van Auken, Inc., Detroit, Mich. Wheel cover. 170,464, Sept. 22.
Jenny, Robert W., Westerly, R. I., assignor to Bostitch, Inc., Stonington, Conn. Stapler. 171,090, Dec. 15.
Jensen, Albert C., Mountain View, Calif. Pendant or similar article. 170,924, Nov. 24.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Combination cooker and deep fat fryer. 170,575, Oct. 13.
Jet-O-Mat, Inc., assignee: *See*—
Graham, Maurice H., Polivka, Hamilton, and Davis.
Johanason, Ingvar O., Chicago, Ill. Vertical milling machine or similar article. 170,864, Nov. 17.
Johnson, Arne B., Madison, Wis. Vaporizer for heating an insecticide. 168,617, Jan. 13.
Johnson, Arthur E. and I. W., Los Angeles, Calif. Knife sharpener. 170,534, Oct. 6.
Johnson, Beulah A.: *See*—
Johnson, Lawrence C. and B. A.
Johnson Bros. (Hanley) Limited, assignee: *See*—
Higginson, George J.
Stone, Gerald S.
Johnson, Daniel R., Los Angeles, Calif. Chair. 168,843, Feb. 17.
Johnson, Frank: *See*—
Footlik, Irving M., and Johnson.
Johnson, George W., assignor to Pabco Products Inc., San Francisco, Calif. Hard surface floor covering or similar article. 170,535, Oct. 6.
Johnson, Gladys M., Timber, Oreg. Combined playing card holder, ash tray, and glass coaster. 169,041, Mar. 17.
Johnson, Imogene H., Tulsa, Okla. Automobile. 170,576, Oct. 13.
Johnson, Imogene H., Tulsa, Okla. Automobile. 170,693, Oct. 27.
Johnson, Irene W.: *See*—
Johnson, Arthur E. and I. W.
Johnson, Lawrence C. and B. A., Westbrook, Maine. Table. 168,688, Jan. 27.
Johnson, Leonard B., Smethport, Pa. Illuminable decorative device. 171,035, Dec. 8.
Johnson, Olaf H., Oakland, Calif. Boat anchor. 168,550, Jan. 6.
Johnson, Russell C., assignee: *See*—
Hickman, William P.
Johnson, S. C., & Son, Inc., assignee: *See*—
Harris, William C.
Jones, Charles E., Chicago, Ill., assignor to Transion Company, Newark, N. J. Finger stall or similar article. 168,689, Jan. 27.
Jones, Charles E., Chicago, and R. H. Crowle, Berwyn, assignors, by mesne assignments, to E. J. Rice and A. B. Wolf, doing business as Flora-Lite Company, Chicago, Ill. Illuminable floral aquarium. 170,158, Aug. 11.
Jones, Charles E., Chicago, Ill., assignor to The Transion Company, Newark, N. J. Finger pad or similar article. 170,260, Aug. 25.
Jones, Edward H., Jr., Phoenix, Ariz. Apron. 169,316, Apr. 14.
Jones, James E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Canopy. 168,895, Feb. 24.
Jones, James E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Canopy. 168,896, Feb. 24.
Jones, James E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Chair. 171,208, Dec. 29.
Jones, James E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Rocking chair. 171,209, Dec. 29.
Jones, James E., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Chair seat and back assembly. 171,210, Dec. 29.
Jones, Maude P., Bremerton, Wash. Doll. 170,322, Sept. 1.
Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Medal or similar article. 169,443, Apr. 28.
Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Medal or similar article. 169,444, Apr. 28.
Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Medal or similar article. 169,
Jonesi, Lawrence, Chicago, Ill. Drawing board. July 7.
Jörgensen, Poul F. W., Esbjerg, Denmark. C ottoman or similar article. 170,122, Aug. 4.
Jorgensen, Robert A., Edmonds, Wash. Hinge. June 9.
Josephson, Léon, Paris, France. Brassière. June 16.
Jovanovich, Dragoljub K., Redondo Beach, as McCulloch Motors Corporation, Los Angele Helicopter. 168,794, Feb. 10.
Kahn, David, Englewood, assignor to David K North Bergen, N. J. Fountain pen. 169,446, A
Kahn, David, Inc., assignee: *See*—
Kahn, David.
Kahn, Mack, Cedarhurst, assignor to Artistic Fou Inc., New York, N. Y. Girdle. 170,694, Oct.
Kairalla, Eleanor, New York, N. Y. Blouse. Mar. 24.
Kairalla, Eleanor, New York, N. Y. Child's 170,416, Sept. 15.
Kalart Company Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.
Kalish, Beatrice, New York, N. Y. Dress. Aug. 18.
Kalish, Beatrice, New York, N. Y. Dress. Aug. 18.
Kalt, Leonard, New York, N. Y. Egg server. Jan. 27.
Kamborian, Jacob S., West Newton, assignor to K Products, Inc., Cambridge, Mass. Overshoe o 169,000, Mar. 10.
Kamborian Products, Inc., assignee: *See*—
Kamborian, Jacob S.
Kandarian, Belle A., Fresno, Calif. Roller skate. Jan. 27.
Kane, David, San Antonio, Tex. Pair of b 170,981, Dec. 1.
Kane, Stanley W., Racine, Wis. Combined ga trash can holder. 170,695, Oct. 27.
Karistad, Andrew C., Sherman Oaks, assignor prise Manufacturing Company, Inc., Burba Pitcher or similar article. 169,317, Apr. 14.
Karoff Originals, Ltd., assignee: *See*—
Karoff, Robert B.
Karoff, Robert B., New York, N. Y. Lazy Su sliding trays. 169,143, Mar. 31.
Karoff, Robert B., assignor to Karoff Originals, York, N. Y. Collapsible tray. 169,144, Mar
Karoff, Robert B., assignor to Karoff Originals, York, N. Y. Combined food tray and pivoted rack. 169,759, June 2.
Karpel Curtain Corporation, assignee: *See*—
Karpel, David.
Karpel, David, Brooklyn, assignor to Karpel Cu poration, New York, N. Y. Curtain clip. Dec. 15.
Katulski, Ferdinand J., East Detroit, Mich. chair. 171,211, Dec. 29.
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Necklace or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Brooch or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Earring or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Earring or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Earring or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Earring or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Earring or the like. 168,5
Katz, Adolph, Providence, R. I., assignor to C New York, N. Y. Earring or the like. 168,5

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,571, Jan. 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,572, Jan. 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,573, Jan. 6.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,618, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,619, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,620, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,621, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,622, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,623, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 168,624, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,625, Jan. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,938, Mar. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 168,939, Mar. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 168,940, Mar. 3.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,001, Mar. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 169,002, Mar. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,492, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,493, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,494, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,495, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,496, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,497, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,498, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,499, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,500, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,501, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,502, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,503, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,504, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,505, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,506, May 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,543, May 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,544, May 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,545, May 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,546, May 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,547, May 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,548, May 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,549, May 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,592, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,593, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 169,594, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,595, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,596, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 169,597, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,598, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 169,599, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,600, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 169,601, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,602, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 169,603, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,604, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,605, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,606, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,607, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,608, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,609, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,610, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,611, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,612, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,613, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,614, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,615, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,616, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,617, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,618, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,619, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,620, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,621, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,622, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 169,623, May 19.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 169,675, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,676, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,677, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,678, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or the like. 169,679, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,680, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,681, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,682, May 26.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 169,760, June 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,761, June 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,762, June 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,763, June 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,764, June 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 169,765, June 2.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,814, June 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 169,815, June 9.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,849, June 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,850, June 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 169,851, June 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,852, June 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,853, June 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 169,854, June 16.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,123, Aug. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,124, Aug. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,125, Aug. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,126, Aug. 4.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,127, Aug. 4.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,261, Aug. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,262, Aug. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,263, Aug. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,264, Aug. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,265, Aug. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,266, Aug. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,267, Aug. 25.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,359, Sept. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,465, Sept. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,577, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 170,578, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,579, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,580, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,581, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,582, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,583, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,584, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,585, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 170,586, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,587, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,588, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,589, Oct. 13.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,696, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,697, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,698, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,699, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,700, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,701, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,702, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,703, Oct. 27.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,807, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,808, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,809, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,810, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,811, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,812, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,813, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,814, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,815, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,816, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,817, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,818, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,819, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,820, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,821, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,822, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,823, Nov. 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,865, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,866, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,867, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,868, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,869, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,870, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 170,871, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 170,872, Nov. 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,982, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,983, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,984, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,985, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,986, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,987, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,988, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,989, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,990, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,991, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 170,992, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,993, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,994, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,995, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,996, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 170,997, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 170,998, Dec. 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 171,036, Dec. 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,134, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,135, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,136, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,137, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,138, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,139, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,140, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,141, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,142, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,143, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,144, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,145, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,146, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,147, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 171,148, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,149, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 171,150, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 171,151, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 171,152, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 171,153, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 171,154, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 171,155, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Link chain for a necklace or the like. 171,156, Dec. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 171,157, Dec. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 171,158, Dec. 22.
Katz, Adolph A., Woodmere, N. Y. Combined basket and comestible container. 169,070, Mar. 24.
Katz, Bernard, assignor to World Wide Plastics Corporation, Chicago, Ill. Coin holder attachment for automobile visors or the like. 169,550, May 12.
Katz, Julius P., Brooklyn, N. Y. Tray. 168,692, Jan. 27.
Katzin, Sonia, Chicago, Ill. Hat. 169,624, May 19.
Kather, Alfred C.: *See*—
Katherton, Alfred.
Katherton, Alfred, also known as Alfred C. Kather, San Francisco, Calif. Tethered ball game apparatus. 170,758, Nov. 3.
Kaufman, Hans J., Allegany, assignor to Daystrom Corporation, Olean, N. Y. Chair. 170,704, Oct. 27.
Kaufman, Louis, Brooklyn, N. Y. Handbag. 171,092, Dec. 15.
Kaufman, Paul N., Dayton, Ohio, assignor to The Dayton Rubber Company. Tire. 170,873, Nov. 17.
Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 170,536, Oct. 6.
Kaveckas, Benedictus K., Roselle, assignor to Hanovia Chemical & Mfg. Company, Newark, N. J. Infrared ray lamp. 170,925, Nov. 24.
Kawneer Company, The, assignee: *See*—
Walthall, Esmond.
Kay, Stanley W., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 169,855, June 16.
Kay, Stanley W., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 169,856, June 16.
Kayser, Ralph W., Beverly Hills, assignor to Hy-G Products Co., Los Angeles, Calif. Comedy figure. 170,502, Sept. 29.
Keal, John J., Los Angeles, assignor to Brown-Saltman, South Gate, Calif. Height-adjustable table. 169,261, Apr. 7.
Keegan, Hugh J., South Boston, assignor to National Tag & Label Corporation, Watertown, Mass. Food basket. 169,003, Mar. 10.
Keesling, Thomas B., Los Gatos, Calif. Reciprocating tool attachment for a power tool unit. 170,466, Sept. 22.
Keichel, Joseph J., Lehighton, Pa. Stocking. 170,590, Oct. 13.
Kellerman, Sam, Yonkers, N. Y. Belt. 169,683, May 26.
Kelley, Clifton G. and T. T., Baltimore, Md. Bottle carrier. 169,378, Apr. 14.
Kelley, Thomas T.: *See*—
Kelley, Clifton G. and T. T.
Kellogg, R. R., Advertising Services, Inc., assignee: *See*—
Melton, James O.
Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.
Kelsey, William E., Jr.: *See*—
Florian, Gordon W., Streck, and Kelsey.
Kemp, E. F., Corp., assignee: *See*—
Claussen, Arthur E., Jr.
Kendrick, Marron, Atherton, Calif., assignor to Schlage Lock Company. Doorknob. 169,551, May 12.
Kennedy, Donald C.: *See*—
Kennedy, Leonard and D. C.
Kennedy, George P., Conklin, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Combination freezer and refrigerator. 169,978, July 7.
Kennedy, Leonard and D. C., Dayton, Ohio. Advertising unit for clothes driers. 169,071, Mar. 24.
Kerr, Roger B.: *See*—
Rowell, Ralph M., and Kerr.
Kerr, Roger B., Jamestown, R. I., and F. Gianascol, Lynn, Mass., assignors to General Electric Company. Light meter. 169,766, June 2.
Kerro, Steve, Indianapolis, Ind. Game board. 168,574, Jan. 6.
Kesler, Herman, Jenkintown, Pa. Game board or similar article. 169,979, July 7.
Kesler, Herman, Jenkintown, Pa. Toy shopping cart or similar article. 170,759, Nov. 3.
Kestenman Bros. Mfg. Co., assignee: *See*—
Valcourt, Louis E.
Kettner, George E., Mamaroneck, N. Y. Infant's shoe. 170,926, Nov. 24.
Keyes Fibre Company, assignee: *See*—
Harper, Fred C.
Randall, Walter H.
Williams, Philip M.
Keyserling, Leroy, assignor to Jos. S. Cohen & Sons Co., Inc., New York, N. Y. Display bin. 169,552, May 12.
Kiesner, Frank C., St. Paul, Minn. Air register grille. 169,374, Apr. 21.
King, Henry T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile body. 169,262, Apr. 7.
King, Horace, Granville, assignor to A. H. Heisey & Company, Newark, Ohio. Glass comport or similar article. 168,795, Feb. 10.
King-Seeley Corporation, assignee: *See*—
Sivacek, Emil E.
Kinley, Frank W.: *See*—
Kinley, Richard H. and F. W.
Kinley, Richard H. and F. W., York, Pa. Stocking or similar article. 168,796, Feb. 10.
Kirkman, Fred, Solana Beach, Calif. Fishing lure. 169,816, June 9.
Kiwi Polish Company Proprietary Limited, The, assignee: *See*—
Smith, Frasier.
Klatt, Arthur E., Los Angeles, Calif. Ash tray. 169,507, May 5.
Klein, Benjamin, New York, N. Y. Blank for a map or similar article. 168,797, Feb. 10.
Klein, Edward, assignor to Motorola, Inc., Chicago, Ill. Combination clock and radio. 169,767, June 2.
Klein, Milton F., assignor to Jaxton Manufacturing Corporation, Glens Falls, N. Y. Serving tray. 169,817, June 9.
Klint, Bernard C., assignor to B. C. and G. Klint, D. and E. Nyberg,, and R. E. Klint, copartners, doing business at Rockford, Ill., under the firm name of Ny-Lint Tool & Mfg. Co. Toy vehicle tire. 169,857, June 16.
Klint, Grace, assignee: *See*—
Klint, Bernard C.
Klint, Ragnar E., assignee: *See*—
Klint, Bernard C.
Kloski, John F., Windsor, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriter. 169,145, Mar. 31.
Knapp, Mary C., Bradenton, Fla. Crayon sharpener. 169,980, July 7.
Knapp-Monarch Company, assignee: *See*—
Kochner, William B.
Lautner, Max E.
Moore, Walter E.
Knapp, Russell D., Elko, Nev. Saw. 170,202, Aug. 18.
Knapp, Russell D., Elko, Nev. Scabbard. 170,417, Sept. 15.
Knarzer, Herman C., assignor to Dille & McGuire Mfg. Co., Richmond, Ind. Lawn mower handle. 169,319, Apr. 14.
Knight, Frank E., Saginaw, Mich. Medicine cabinet. 171,159, Dec. 22.
Knitcraft Foundations, Inc., assignee: *See*—
Melnick, Louis.
Knit Wear Patents, Inc., assignee: *See*—
Feldman, Samuel.
Knoll Associates Inc., assignee: *See*—
Bertoia, Harry.
Knoll, Florence S., New York, N. Y. Desk. 169,320, Apr. 14.
Knoll, Florence S., New York, N. Y. Desk. 169,375, Apr. 21.
Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Liquefier bowl cover. 168,693, Jan. 27.
Kohl, Mack, Hempshire, assignor to J. N. Marks, J. Tunkl, I. Rosenthal, and E. Lichtenstein, doing business as Tricraft Products Co., Chicago, Ill. Television antenna. 169,625, May 19.
Kolson, Morton: *See*—
Brier, Jack, Belber, Kolson, and Walter.
Korba, Joseph, Jr., assignor to Heiser Skate Company, Minneapolis, Minn. Roller skate. 169,263, Apr. 7.
Kornblau, Irving, New York, N. Y. Lady's undergarment container. 169,376, Apr. 21.
Kosio, Robert C., Parma, Ohio, assignor to Lockley Machine Company, Newcastle, Pa. Garbage grinder. 169,626, May 19.
Kosmak, George, San Francisco, Calif. Fireplace. 170,927, Nov. 24.
Kover, Edward W., Sherman Oaks, Calif. Drinking mug. 169,377, Apr. 21.
Kraft Foods Company, assignee: *See*—
Diamond, Freda, and Plummer.
Krall, Richard C.: *See*—
St. Clair, Theodore A., and Krall.
Kramer, Leon H., Roxbury, Mass. Toy walking dog. 169,146, Mar. 31.
Kratt, William, Union, and E. J. Ens, Newark, N. J., assignors to Wm. Kratt Co. Toy musical instrument. 169,321, Apr. 14.
Kratt, Wm., Co.: *See*—
Kratt, William, and Ens.
Kraus, Walter N., Colorado Springs, Colo. Laundry cart. 168,745, Feb. 3.
Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Hajos, Joseph L., and Speck.
Krementz, Frank, Company, assignee: *See*—
Stoesser, Fred.
Kremin, Fred J., Richmond, Calif. Combined bookmarker and line guide. 170,467, Sept. 22.
Kress, George H., Endwell, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Magnetic drum unit. 169,684, May 26.
Kress, George H., Endwell, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Electrostatic storage unit. 169,685, May 26.
Kress, George H., Endwell, N. Y., and C. W. Sundberg, Detroit, Mich., assignors to International Business Machines Corporation, New York, N. Y. Card reader. 169,686, May 26.
Kretzer, Sidney D., St. Louis, Mo. Lightning demonstrator. 170,058, July 21.

Krikorian, Albert P., Agawam, Mass. Adjustable chaise. 169,818, June 9.
Krilow, James E., Atlantic City, N. J. Hot plate dish cover. 169,004, Mar. 10.
Krohn, Henry W., Jr.: *See*—
Boyer, Ralph K., and Krohn.
Kromex Corporation, assignee: *See*—
Ziskin, Manuel S., and Billig.
Kropf, Solomon J., Goshen, Ind. House trailer. 171,212, Dec. 29.
Krueger, Clarence H., Bovey, Minn. Gun cabinet. 170,705, Oct. 27.
Krueger, Leslie, assignee: *See*—
Winther, Simon P.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages, Inc. Machine for taking finger-prints. 170,591, Oct. 13.
Kudelka, Egon, New York, N. Y. Panty or similar article. 171,213, Dec. 29.
Kuehne, Fred, Jr., Mattoon, Ill. Table. 168,941, Mar. 3.
Kuhn, Anton J., assignor to Peerless Steel Equipment Company, Philadelphia, Pa. Handle for a filing cabinet. 169,508, May 5.
Kundikoff, George J., San Pedro, Calif. Throwing dagger. 170,824, Nov. 10.
Kuner, William H.: *See*—
Horvath, Anthony G., Kuner, and Wolfe.
Kupferer, Earl R., St. Louis, Mo. Table. 169,819, June 9.
Kupinske, Elizabeth K., and A. K. Wargo, Fairfield, Conn. Hairpin tray. 169,072, Mar. 24.
Kurzer, Harry, assignor to Formflex Foundations, Inc., New York, N. Y. Girdle. 169,378, Apr. 21.
Kux, Richard, Detroit, Mich. Magnetic thermometer. 168,575, Jan. 6.
Kwikset Locks, Inc., assignee: *See*—
Schoepe, Adolf.
La Barre, Ernoll W., Lombard, Ill., assignor to W. L. Stensgaard and Associates, Inc. Display rack. 169,509, May 5.
Labe, Jacob, III, Philadelphia, assignor to Robertshaw-Fulton Controls Company, Greensburg, Pa. Instrument case or similar article. 170,418, Sept. 15.
Labrise, Felix, New York, N. Y. Window screen deflector. 169,447, Apr. 28.
La Bue, Seraphina C., Bronx, N. Y., and H. P. Coogan, Fairfield, assignors to The Warner Brothers Company, Bridgeport, Conn. Combination girdle and brassière. 169,511, May 5.
La Bue, Seraphine C., Bronx, N. Y., and H. P. Coogan, Fairfield, assignors to The Warner Brothers Company, Bridgeport, Conn. Combination girdle and brassière. 169,510, May 5.
Laciura, Roy J., Buffalo, N. Y. Sanitary holder for bathroom accessories. 168,746, Feb. 3.
La Compagnie J. A. Gosselin Limitee, assignee: *See*—
Blanchette, Hilaire.
La Forte, Michael J., Park Ridge, assignor to Vaughan Mfg. Co., Chicago, Ill. Can opener. 168,844, Feb. 17.
La Forte, Michael J., Park Ridge, assignor to Vaughan Mfg. Co., Chicago, Ill. Bar tool. 170,999, Dec. 1.
Laguzzi, Mario, assignor to Poirette Corsets, Inc., New York, N. Y. Girdle. 169,553, May 12.
Lahr, Peter W.: *See*—
Seyfried, Arthur W., and Lahr.
Lamb, Thomas, New York, N. Y. Handle for a safety razor. 169,147, Mar. 31.
Lambert, Raoul A., Springfield, Mass., assignor to Westinghouse Electric Corporation. Food waste disposer or the like. 170,874, Nov. 17.
Lambert, Reuben B., New Haven, Conn. Flashlight casing. 169,981, July 7.
Lampman, Clay D., Cuyahoga Falls, assignor to The General Tire & Rubber Company, Akron, Ohio. Tire rack. 171,160, Dec. 22.
Lancome, S. A., assignee: *See*—
Frydlender, Sophie.
Landorf, Howard, New York, N. Y. Doll. 169,627, May 19.
Lane, Joseph O., Mineral Ridge, Ohio. Automotive vehicle. 169,448, Apr. 28.
Lang, John F.: *See*—
Whitehead, Alice J., and Lang.
Lang, John H., Detroit, Mich. Automobile seat. 168,897, Feb. 24.
Lang, John H., Detroit, Mich. Automobile seat. 168,898, Feb. 24.
Lang, John H., Detroit, Mich. Automobile seat. 169,073, Mar. 24.
Lang, John H., Detroit, Mich. Vehicle seat. 169,074, Mar. 24.
Lang, John H., Detroit, Mich. Vehicle seat. 170,059, July 21.
Lang, John H., Detroit, Mich. Vehicle seat. 170,060, July 21.
Lang, William, Verona, assignor to The Bates Manufacturing Company, Orange, N. J. List finder. 170,641, Oct. 20.
Langen, Ole H.: *See*—
Maxwell, Ira C., and Langen.
Langer, Gustav, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Geometrical instrument. 168,694, Jan. 27.
Langer, William M., Berlin, N. J. Stocking. 168,626, Jan. 13.
Langer, William M., Berlin, N. J. Stocking. 170,928, Nov. 24.
Lanning, Jack H., Washington, D. C. Combined can and bottle opener. 170,537, Oct. 5.
Lapofsky, Isadore, Hillside Township, Essex County, N. J. Dispenser of aliments or condiments or similar article. 169,264, Apr. 7.
Larabell, Le Roy E., Detroit, Mich. Combined display and protective device for a telephone receiver or similar article. 171,161, Dec. 22.
Larson, Robert H., Batavia, assignor to Du Kane Corporation, St. Charles, Ill. Combination projector and phonograph. 169,628, May 19.
Lasar, Lionel, Lynbrook, N. Y. Sock or similar article. 170,592, Oct. 13.
Lasar, Lionel, Lynbrook, N. Y. Sock or similar article. 170,593, Oct. 13.
Latama Cutlery, Inc., assignee: *See*—
Polk, Emil S.
Latimer, Charles A., and D. H. Freund, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Electric chain saw. 169,858, June 16.
Latimer, Robert W.: *See*—
Zel, Joe, and Latimer.
Laughlin, Clayton A., Minneapolis, assignor to Northwest Plastics, Inc., St. Paul, Minn. Cigarette package dispenser. 169,905, June 23.
Lausman, Walter, Baroda, and O. R. Siewert, St. Joseph, Mich. Puttying tool. 169,768, June 2.
Lauterbach, Norman E., Newark, N. Y., and W. D. Teague, Annandale, N. J., assignors to Ritter Company, Inc., Rochester, N. Y. Combination dental and medical operating chair. 168,845, Feb. 17.
Lautner, Max E., Webster Groves, assignor to Knapp-Monarch Company, St. Louis, Mo. Combination directional blast and floor circulator fan. 169,148, Mar. 31.
Lavezzorio, John, Chicago, Ill., Candy bag. 169,265, Apr. 7.
Lawner, Irving, East Rockaway, and J. Lipman, Kew Gardens, N. Y. Shuttlecock. 170,503, Sept. 29.
Le Ber, Paul, St. Hilaire, Quebec, Canada. Soldering iron brush or similar article. 170,468, Sept. 22.
Leckness, Noel S., Kansas City, Kans. Trundle toy. 169,005, Mar. 10.
Lee, Edward B., assignor of one-half to M. Marks, Chicago, Ill. Combined memo pad and pencil holder. 170,504, Sept. 29.
Lee, Fred A., Fort Wayne, Ind., assignor to International Harvester Company. Vehicle front end assembly. 168,576, Jan. 6.
Lee, Harold V., College Point, N. Y. Aquarium. 171,037, Dec. 8.
Lee, Marina A., Norman, Okla. Game board. 169,006, Mar. 10.
Lee Products, Inc., assignee: *See*—
Abrams, Nicholas.
Lee Rubber & Tire Corporation, assignee: *See*—
Nellen, Arthur H.
Lee, Thomas B., Greenwich, Conn. Figurine. 169,769, June 2.
Leech, Aubrey B., assignor to Econolite Corporation, Los Angeles, Calif. Animated decorative lamp. 168,695, Jan. 27.
Lefkowitz, Meyer, assignor to Lincoln Fabrics Co. Inc., New York, N. Y. Textile fabric or similar article. 168,696, Jan. 27.
Lefkowitz, Meyer, assignor to Lincoln Fabrics Co. Inc., New York, N. Y. Textile fabric or similar article. 169,149, Mar. 31.
Lefkowitz, Meyer, assignor to Lincoln Fabrics Co. Inc., New York, N. Y. Textile fabric or similar article. 169,150, Mar. 31.
Lehmann, George A., St. Louis, and W. E. Gundelfinger, House Springs, Mo. Can opener. 168,942, Mar. 3.
Lehmann, Herman M., Seattle, Wash. Closure cap for a fluid container spout. 169,266, Apr. 7.
Lendrait, Kaspar, Chicago, Ill. Clock or similar article. 170,929, Nov. 24.
Lentz, Rex V., Dallas, Tex. Toy savings bank. 170,706, Oct. 27.
Leonard, Nita, and M. Carol, Chicago, Ill. Syringe and douche container. 170,594, Oct. 13.
Leonard, Ralph N., Crystal Lake, Ill. Television antenna. 170,203, Aug. 18.
Lessman, Gerhard, assignor to De Vry Corporation, Chicago, Ill. Slide projector. 168,627, Jan. 13.
Leubner, Courtney A.: *See*—
Palma, Joseph, Jr., and Leubner.
Levaur, Bernard D., assignor to Pittsburgh Reflector Company, Pittsburgh, Pa. Luminaire. 168,943, Mar. 3.
Levelor Lorentzen, Inc., assignee: *See*—
Lorentzen, Hans K.
Levene, Philip, Flushing, N. Y. Glove. 168,944, Mar. 3.
Levey, Jack H., Los Angeles, Calif. Dental cabinet. 169,687, May 26.
Levi, Melvin H., New York, N. Y. Drinking glass or the like. 168,577, Jan. 6.
Levin, Irving, New York, N. Y. Lamp pendant. 170,360, Sept. 8.
Levin, Isadore, Washington, D. C. Portable lavatory. 170,159, Aug. 11.
Levine, Irving A., Woodmere, N. Y. Mailbox. 170,875, Nov. 17.

Levine, Irving A., Woodmere, N. Y. Mailbox. 170,876, Nov. 17.
Levine, Louis, New York, N. Y. Combined food server and tongs therefor. 171,000, Dec. 1.
Levine, Louis, New York, N. Y. Combined food server and tongs therefor. 171,038, Dec. 8.
Levine, Samuel, New York, N. Y. Sweater or similar article. 169,151, Mar. 31.
Levine, Samuel, New York, N. Y. Sweater or the like. 170,022, July 14.
Levy, Filmore C., Altadena, Calif. Combination lamp and planter or similar article. 170,128, Aug. 4.
Lewis, Arnold L., Los Angeles, Calif. Combination hair curler and comb. 170,595, Oct. 13.
Lewis, Arthur J., assignor to The Baird Machine Company, Stratford, Conn. Tractor. 169,982, July 7.
Lewis, Donald A.: *See*—
Robinson, James M., Greshel, and Lewis.
Lewis, Leonard, and L. Richter, Brooklyn, N. Y. Container for toiletries or the like. 168,899, Feb. 24.
Lewis, Melba G., Denver, Colo. Copyholder for typists. 169,906, June 23.
Lewis, Robert C., Westbury, assignor to United Merchants and Manufacturers, Inc., New York, N. Y. Plastic fabric or the like. 170,469, Sept. 22.
Lewthwaite, Raymond B.: *See*—
Silver, Martin, Bradburd, and Lewthwaite.
Liberty Optical Company, Inc., assignee: *See*—
Di Chiara, Anthony.
Lichtenstein, E., assignee: *See*—
Kohl, Mack.
Liebhaber, Joseph F., Merrimac, Wis. Airplane. 170,268, Aug. 25.
Liffmann, Max, Providence, and N. Turilli, Cranston, R. I. Combination clock, radio, and piano casing. 169,512, May 5.
Light Products, Inc., assignee: *See*—
Martin, Algy E., and Lorimor.
Lim, Peter, Los Angeles, Calif. Combined extinguishant tank and heat collector for portable fire extinguishers. 170,129, Aug. 4.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P., and Reisert.
Lincoln Fabrics Co. Inc., assignee: *See*—
Lefkowitz, Meyer.
Lincoln, William, and J. De Muth, Huntington Park, Calif. Hanger. 168,846, Feb. 17.
Lindberg, Albert W., Jr., Bayonne, N. J. Mailbox. 169,075, Mar. 24.
Lindberg, Albert W., Jr., Bayonne, N. J. Mailbox. 169,076, Mar. 24.
Lindberg, Albert W., Jr., Bayonne, N. J. Mailbox. 170,642, Oct. 20.
Lindberg, Albert W., Jr., Bayonne, N. J. Mailbox. 170,643, Oct. 20.
Lindberg, Caryl A., Glendale, and J. M. Repp, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Portable fan. 169,007, Mar. 10.
Lindemann, Howard C., Great Neck, N. Y. Table lamp. 170,323, Sept. 1.
Lindgren, Edwin G., La Grange Park, Ill. Vending stand. 170,707, Oct. 27.
Lindgren, William, Jr., Sycamore, assignor to Sears, Roebuck and Co., Chicago, Ill. Valve. 169,152, Mar. 31.
Lindner, John W., Milwaukee, Wis., assignor to Continental Art Company, Chicago, Ill. Figurine. 170,644, Oct. 20.
Lindstrom, Howard D., Marietta, Ohio, assignor to Remington Rand Inc., New York, N. Y. Combined counter and desk unit. 169,008, Mar. 10.
Lingle, Odin: *See*—
Mall, Arthur W., and Lingle.
Lionel Corporation, The, assignee: *See*—
Cowen, Lawrence.
Lipman, Herman, New York, N. Y. Dress ensemble. 170,596, Oct. 13.
Lipman, Herman, New York, N. Y. Dress ensemble. 170,708, Oct. 27.
Lipman, Joseph: *See*—
Lawner, Irving, and Lipman.
Lippisch, Alexander M., Cedar Rapids, Iowa. Airplane. 170,090, July 28.
Liskey, Ernest C., Jr., Severna Park, Md. Grating for decks or the like. 168,945, Mar. 3.
Liskey, Ernest C., Jr., Severna Park, Md. Grating for decks or the like. 168,946, Mar. 3.
Little, Albertus W., Campbell, Calif. Apparel belt. 169,942, June 30.
Little, John M., assignor to Toledo Scale Company, Toledo, Ohio. Printing weighing scale. 168,697, Jan. 27.
Littlejohn, William C., Los Angeles, assignor to Regis Plastics Corporation, Beverly Hills, Calif. First-aid kit or similar article. 169,554, May 12.
Littlejohn, William C., Los Angeles, assignor to Regis Plastics Corporation, Beverly Hills, Calif. Toy savings bank or similar article. 170,505, Sept. 29.
Livermont, Frank W., Duarte, Calif. Torque wrench. 170,506, Sept. 29.
Livingston, Cyril W., New York, N. Y., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 169,770, June 2.
Livingston, Cyril W., New York, N. Y., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 169,771, June 2.
Livingston, Werner: *See*—
Smith, David C., and Livingston.
Livinson, Edwin B., Van Nuys, Calif. Electric megaphone. 168,578, Jan. 6.
Lloyd, Louise, Scarsdale, assignor to D. L. Fenlason, New York, N. Y. Slipper. 169,449, Apr. 28.
Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 170,419, Sept. 15.
Locher, Ramuald B., Royal Oak, Mich. Fish gaff and spreader or similar article. 169,009, Mar. 10.
Lockheed Aircraft Corporation, assignee: *See*—
Paul, John L.
Lockley Machine Company, assignee: *See*—
Koslo, Robert C.
Loeb, Robert V., Los Angeles, Calif. Slicing aid. 171,039, Dec. 8.
Loehr, Robert W., Lakewood, Ohio, assignor to Westinghouse Electric Corporation. Luminaire. 170,877, Nov. 17.
Lofrese, Dominick: *See*—
Berman, Harry, Errico, and Lofrese.
Logli, Aldo, Detroit, Mich. Accordion switchboard. 169,267, Apr. 7.
Logue, Floyd, Shelbyville, Ill. Block puzzle. 170,645, Oct. 20.
Lonberger, Snowden B., Washington, D. C. Finger ash tray. 169,772, June 2.
Long, Charles W., Philadelphia, Pa. Display cabinet. 170,204, Aug. 18.
Long, Joseph, Belleville, N. J. Sound producing device or similar article. 170,930, Nov. 24.
Lord, Roy A., Evanston, Ill. Fishing lure or similar article. 171,040, Dec. 8.
Lorentzen, Hans K., Montclair, N. J., assignor to Levelor Lorentzen, Inc., New York, N. Y. End cap for a Venetian blind bottom bar. 168,579, Jan. 6.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 168,947, Mar. 3.
Lorimor, Mearl D.: *See*—
Martin, Algy E., and Lorimor.
Lovasz, Elmer S., Chicago, Ill. Combined razor and shaving cream dispenser. 170,825, Nov. 10.
Love, Blanton D., assignor to H. H. Crosby, Houston, Tex. Combined urinal holder and deodorant cap. 170,538, Oct. 6.
Lovejoy, Charles K., assignor to Scripto, Inc., Atlanta, Ga. Ball-point pen. 170,539, Oct. 6.
Lovejoy, Charles K., assignor to Scripto, Inc., Atlanta, Ga. Ball-point pen. 171,093, Dec. 15.
Luger Furniture Company, assignee: *See*—
Luger, Rennold J.
Luger, Rennold J., assignor to Luger Furniture Company, Minneapolis, Minn. Drop-leaf dining table. 170,760, Nov. 3.
Luhrs, Arthur, Miami, Fla. Coffee table. 170,420, Sept. 15.
Lund, Henry E., Racine, Wis. Electric motor. 170,709, Oct. 27.
Lund, Otto J., Valley Stream, assignor to Castleton China Incorporated, New York, N. Y. Plate or the like. 169,268, Apr. 7.
Lundy, Arthur J., assignor to Short Brothers & Harland Limited, Newtownards, Northern Ireland. Casing for a wringer. 170,470, Sept. 22.
Lutsker, Simon, Cleveland Heights, Ohio. Multiple wrench. 168,900, Feb. 24.
Lux Clock Manufacturing Company, Inc., The, assignee: *See*—
Lux, Frederick, and Beerbaum.
Lux, Frederick, Middlebury, and H. D. Beerbaum, Wolcott, assignors to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Clock casing. 170,324, Sept. 1.
Lydick, Roy, Brainerd, Minn. Food basket. 169,322, Apr. 14.
Lynard of California, Inc., assignee: *See*—
Rosenthal, William.
Lynch, Carl, assignee: *See*—
Hedgpeth, Theron L.
Lynchburg Planter Manufacturing Company, assignee: *See*—
Turner, George W.
Lyon, George, Detroit, Mich. Wheel cover or similar article. 168,580, Jan. 6.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 169,010, Mar. 10.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 169,011, Mar. 10.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 169,555, May 12.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 169,907, June 23.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 170,421, Sept. 15.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 170,422, Sept. 15.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 170,597, Oct. 13.
Lyon, George A., Detroit, Mich. Wheel cover or similar article. 171,162, Dec. 22.

Lyons, Edward W., Youngstown, Ohio. Incinerator. 170,361, Sept. 8.
Maage, Alfred E., Jr., assignor to M. A. Gerett Corporation, Milwaukee, Wis. Coin actuated calendar bank. 169,773, June 2.
Macaluso, Michael, Jr., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope illuminator. 170,131, Nov. 24.
MacGregor, May, New York, N. Y. Baking mold. 168,847, Feb. 17.
MacIntyre, John A., Barrington, R. I., assignor to B & M Mills, Inc. Textile fabric or the like for grills of television and radio cabinets. 171,214, Dec. 29.
Mack, William, Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Army. Dispensing can. 168,848, Feb. 17.
MacKay, Kenneth H., Ocala, Fla. Cupholder attachment. 170,325, Sept. 1.
Maclay, William R., Endicott, assignor to Ingersoll-Rand Company, New York, N. Y. Portable grinder. 168,901, Feb. 24.
MacNally, Douglas C., San Jose, and L. S. Berdahl, Sunnyvale, Calif.; said MacNally assignor to said Berdahl. Combined cigarette extinguisher and handle for an ash receiver. 169,042, Mar. 17.
Macy, Donald, Pompton Lakes, assignor to Awnair Corporation of America, Passaic, N. J. Combined window awning and ventilator. 171,215, Dec. 29.
Maddux, Duane C.: *See*—
Davis, Douglas P., and Maddux.
Main, John R., assignee: *See*—
Cunningham, Marcus M.
Mains, John T., Jr., assignor to The Union Fork and Hoe Company, Columbus, Ohio. Tool holding rack or similar article. 169,077, Mar. 24.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,948, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,949, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,950, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,951, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,952, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,953, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,954, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,955, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,956, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,957, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,958, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,959, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Dress. 168,960, Mar. 3.
Maisch, Jacques E., New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Textile fabric or similar article. 170,646, Oct. 20.
Maling, Roy, Chestnut Hill, Mass. Shoe or similar article. 169,556, May 12.
Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Chain saw. 168,747, Feb. 3.
Mall, Arthur W., Flossmoor, and O. Lingle, assignors to Mall Tool Company, Chicago, Ill. Gasoline engine. 169,943, June 30.
Mall Tool Company, assignee: *See*—
Mall, Arthur W.
Mall, Arthur W., and Lingle.
Malpede, Albert J.: *See*—
Vani, James, and Malpede.
Manchester Hosiery Mills, assignee: *See*—
Wilcher, Abrasha.
Mancini, Louis F., Bradshaw, and D. M. Bauernfeind, Middle River, Md. Religious plaque. 170,205, Aug. 18.
Manley, Inc., assignee: *See*—
Waas, Samuel M.
Manning, John J., Grosse Pointe, Mich. Combined light and signal for automotive vehicles. 169,269, Apr. 7.
Manning, Reginald W., Phoenix, Ariz. Badge or similar article. 169,379, Apr. 21.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Hole punch or similar article. 169,078, Mar. 24.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Staple remover or similar article. 169,079, Mar. 24.
Marano, Herbert W., Brooklyn, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Paper punch or similar article. 169,080, Mar. 24.
Marano, Herbert W., Summit, N. J., assignor to Wilson-Jones Company, Chicago, Ill. Desk stapler or similar article. 170,423, Sept. 15.
Marano, Herbert W., Summit, N. J., assignor to Wilson Jones Company, Chicago, Ill. Combined stapler and staple remover or similar article. 170,878, Nov. 17.
Marano, Herbert W., Summit, N. J., assignor to Wilson Jones Company, Chicago, Ill. Combined desk pad and penholder. 170,879, Nov. 17.
Marano, Herbert W., Summit, N. J., assignor to Wilson Jones Company, Chicago, Ill. Combined desk pad and penholder. 170,880, Nov. 17.
Marano, Herbert W., Summit, N. J., assignor to Wilson Jones Company, Chicago, Ill. Combined desk pad and penholder. 170,881, Nov. 17.
Marano, Herbert W., Summit, N. J., assignor to Wilson Jones Company, Chicago, Ill. Desk stapler or similar article. 171,094, Dec. 15.
Marcantonio, Attilio A. G., London, England, assignor to Embisco Limited. Ice-cream cone or the like. 168,748, Feb. 3.
Marcel Boucher et Cie., assignee: *See*—
Semensohn, Raymonde.
Marholz, Richard C., assignor to Raytheon Television and Radio Corporation, Chicago, Ill. Television receiver. 169,450, Apr. 28.
Marholz, Richard C., assignor to Raytheon Television and Radio Corporation, Chicago, Ill. Television receiver. 169,451, Apr. 28.
Marholz, Richard C., assignor, to Raytheon Television and Radio Corporation, Chicago, Ill. Television front panel unit. 169,774, June 2.
Mark, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J.
Marks, Joseph N., assignee: *See*—
Kohl, Mack.
Marrow, Seymour A., Scarsdale, assignor to Harwood Manufacturing Corp., New York, N. Y. Child's pajamas. 168,698, Jan. 27.
Marston, Oliver F., assignor to B. T. Crump Company, Inc., Richmond, Va. Automobile seat cover. 170,932, Nov. 24.
Martin, Algy E., North Hollywood, and M. D. Lorimor, Van Nuys, assignors to Light Products, Inc., Beverly Hills, Calif. Warning light or similar article. 171,216, Dec. 29.
Martin, Elizabeth B., assignee: *See*—
Buckley, Lawrence G.
Martin, Glenn L., Company, The, assignee: *See*—
Trimble, George S., Jr.
Van Zelm, Willem W., Wentz, and Draut.
Martin, Leslie G., Rochester, N. Y., assignor to Stromberg-Carlson Company. Television cabinet. 168,798, Feb. 10.
Martin, Leslie G., Rochester, N. Y., assignor to Stromberg-Carlson Company. Television cabinet. 168,799, Feb. 10.
Marvel Metal Products Co., assignee: *See*—
Footlik, Irving M., and Johnson.
Marx, Evelyn M.: *See*—
Hausfeld, Betty A., and E. M. and J. J. Marx.
Marx, Joe J.: *See*—
Hausfeld, Betty A., and E. M. and J. J. Marx.
Marx, Louis, & Company, Inc., assignee: *See*—
Bonar, William L.
Campbell, Laurie J.
Carver, Richard N.
Hirsch, Mahlon.
Hopkins, Richard E.
Rastetter, Richard.
Schigas, Joseph J.
Masland, C. H., & Sons, assignee: *See*—
Heller, Robert.
Massey-Harris Co. Ltd., assignee: *See*—
McIntosh, Lawrie G.
Master Electric Company, The, assignee: *See*—
Horvath, Anthony G., Kuner, and Wolfe.
Master Troll Company, The, assignee: *See*—
Banowetz, Michael W., Sr.
Matalon, Ben, Pacoima, Calif. Coin bank. 169,270, Apr. 7.
Mathews, Pearl M., St. Louis, Mo. Doll. 170,326, Sept. 1.
Matteson, Arthur W.: *See*—
Glatthar, George E., and Matteson.
Matthews, Yvone, New York, N. Y. Set of playing cards. 169,557, May 12.
Maurer, Robert A., East Palestine, Ohio. Upholstered sofa. 171,217, Dec. 29.
Mauri, Umberto, Moltrasio, Italy, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 169,323, Apr. 14.
Mawhinney, Melvin C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 170,761, Nov. 3.
Maxwell, Earl G., St. Louis, Mo. Traffic signal. 169,043, Mar. 17.
Maxwell, Ira C., and O. H. Langen, assignors to The Unipress Company, Incorporated, Minneapolis, Minn. Sleeve press. 170,647, Oct. 20.
Maxwell, Paul M., Milton, and K. M. Wiach, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 170,061, July 21.

May, Cecil E., Hollywood, Calif. Bed headboard or similar article. 168,800, Feb. 10.
Mayer, Joseph W., Troy, N. Y., assignor to Autograf Brush & Plastics Co., Incorporated. Child's scrub brush. 169,983, July 7.
Mayer, Robert, assignor to H. H. Fox, New York, N. Y. Combined drinking cup, toothbrush, and toothpaste holder. 171,001, Dec. 1.
Maywald, Frederick J., Rutherford, N. J., assignor to The J. & E. Stevens Sales Company, New York, N. Y. Toy cap pistol or similar article. 170,023, July 14.
Maywald, Frederick J., assignor to The J. & E. Stevens Sales Company, New York, N. Y. Toy cap pistol or similar article. 170,091, July 28.
Mazzola, Ambrose, assignor to Angelus Engineering Corporation, South Gate, Calif. Electric switch housing. 170,648, Oct. 20.
Mazzullo, John B., Washington, D. C. Armrest. 170,327, Sept. 1.
McCaffrey, John, Oakland, Calif. Combination cash tray and carrier. 171,218, Dec. 29.
McCarthy, Charles E., Palisades Park, N. J., assignor to Chadbourn Hosiery Mills, Incorporated. Lady's stocking. 171,095, Dec. 15.
McCray, Harold R.: *See*—
Elledge, Oscar C., and McCray.
McCreary, John T., Chicago, Ill. Combined vehicle steering wheel and horn ring. 171,163, Dec. 22.
McCulloch Motors Corporation, assignee: *See*—
Jovanovich, Dragoljub K.
McDermott, Julian A., Corona, N. Y. Warning lamp for mounting atop an emergency vehicle. 170,328, Sept. 1.
McDonald Products Corporation, assignee: *See*—
Vevirit, James V.
McEwen, Norman S., Fort Lauderdale, Fla. Washing machine. 169,153, Mar. 31.
McFarland, Donald L., Stratford, Conn., assignor to General Electric Company. Electric wall switch. 169,513, May 5.
McGee, Paul D., assignor to Superior Plastics Inc., Chicago, Ill. Beverage carrier. 169,380, Apr. 21.
McGraw Electric Company, assignee: *See*—
William, Philip E.
McGregor Electronic Industries, Inc., assignee: *See*—
Boji, Louis, and Oslac.
McGunnigle, Roger, New York, N. Y. Television receiver. 170,882, Nov. 17.
McInerney, James M.: *See*—
McInerney, William K. and J. M.
McInerney, William K. and J. M., Grand Rapids, Mich. Folding bed frame. 168,581, Jan. 6.
McIntosh, Lawrie G., assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Cream separator. 170,540, Oct. 6.
McKee, Milton G., Youngstown, Ohio. Merry-go-round for children. 170,649, Oct. 20.
McKee, Robert K., Los Angeles, Calif. Animal crate. 168,650, Jan. 20.
McLean, Robert C., Washington, D. C. Candleholder. 170,827, Nov. 10.
McLeod, Charles A., Birmingham, Mich., assignor to A. S. Campbell Company, Boston, Mass. Vehicle wheel trim or similar article. 169,514, May 5.
McMillan, Helen: *See*—
McMillan, John and H.
McMillan, John and Helen, Elko, Nev. Electric lawn trimmer. 168,749, Feb. 3.
McMorrow, Francis J., Stamford, Conn. Aquarium. 168,582, Jan. 6.
McMurdo, Hew B., San Francisco, Calif. Eyeshade. 169,776, June 2.
McNair, Samuel L., assignor to Standard Products Corporation, Whitman, Mass. Electric foot vibrator for therapeutic use or similar article. 169,515, May 5.
McNine, Francis R., Bridgeport, Conn. Combined match dispenser and condiment holder. 170,650, Oct. 20.
McWaide, Beverly J., Seattle, Wash. Infant's bath seat. 169,271, Apr. 7.
Mead Mill Company, assignee: *See*—
Shannon, Harold S.
Meagher, Alice L., Goodyear, Conn. Convertible chair and step stool unit. 170,471, Sept. 22.
Meara, William F., Oak Park, assignor to Bloomfield Industries, Inc., Chicago, Ill. Candle lamp. 171,041, Dec. 8.
Mecus, Edward E., assignor to Dexter-Mahnke, Inc., Milwaukee, Wis. Shadow box. 170,507, Sept. 29.
Mecus, Edward E., Shorewood, assignor to Dexter-Mahnke Inc., Milwaukee, Wis. Platform for figurines or the like. 170,883, Nov. 17.
Mecus, Edward E., Shorewood, assignor to Dexter-Mahnke Inc., Milwaukee, Wis. Planter lamp. 171,042, Dec. 8.
Medlar, Lewis A., Oreland, and C. Shuler, Media, assignors to Fox Products Company, Philadelphia, Pa. Battery charger casing. 170,762, Nov. 3.
Meepos, Daniel, Los Angeles, Calif. Lazy Susan. 170,763, Nov. 3.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,154, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,155, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,156, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,157, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,158, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,159, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,160, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,161, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,162, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,163, Mar. 31.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 169,516, May 5.
Mellstrup, Herbert E., Los Angeles, Calif. Doughnut. 170,062, July 21.
Meister, Gustav H., Bath, Maine. Foldible clothesrack. 169,688, May 26.
Melaragno, Biagio P., Johnston, R. I., assignor to Rosbro Plastics Corporation. Figurine. 168,628, Jan. 13.
Melaragno, Biagio P., Johnston, R. I., assignor to Rosbro Plastics Corporation. Christmas ornament. 168,961, Mar. 3.
Melaragno, Biagio P., Johnston, R. I., assignor to Rosbro Plastics Corporation. Figurine. 169,324, Apr. 14.
Mell-Hoffmann Mfg. Co., assignee: *See*—
Reinecke, Jean O.
Melnick, Louis, assignor to Knitcraft Foundations, Inc., New York, N. Y. Girdle. 170,826, Nov. 10.
Melton, James O., assignor to R. R. Kellogg Advertising Services, Inc., Los Angeles, Calif. Implement handle. 169,629, May 19.
Memory Vase Company, assignee: *See*—
Blazey, Lawrence E.
Mengel Company, The, assignee: *See*—
Herrmann, Ernest.
Mercer, Norman J., Brooklyn, assignor to E. W. Ginsburg, New York, N. Y. Spoon or the like. 168,629, Jan. 13.
Mercer, Norman J., Brooklyn, assignor to E. W. Ginsburg, New York, N. Y. Spoon or the like. 168,630, Jan. 13.
Merit, Helen, and H. G. Wear, Jr., New York, N. Y. Posture chair. 169,908, June 23.
Mestmaker, David M., Odessa, Mo. Milk can carrier. 170,424, Sept. 15.
Meyer, Walter, Chicago, Ill. Combined eraser and brush. 168,750, Feb. 3.
Midhurst China Company, Inc., assignee: *See*—
Zeisel, Eva.
Miles, Charlie A., Burlington, N. C. Lady's stocking. 168,849, Feb. 17.
Miles, Ralph F., Pasadena, Calif. Game board. 170,541, Oct. 6.
Miller, Beatrice L.: *See*—
Parker, Gordon, and Miller.
Miller, Beatrice L., Cleveland, and G. Parker, Alliance, assignors to Royal China Inc., Sebring, Ohio. Plate or the like. 169,777, June 2.
Miller, David, Lancaster, Pa. Umbrella handle. 168,751, Feb. 3.
Miller, David, Lancaster, Pa. Umbrella handle. 168,752, Feb. 3.
Miller, Harold L., Grosse Pointe Park, assignor to Robot Appliances Inc., Dearborn, Mich. Door operator. 169,630, May 19.
Miller, Howard O., Chicago, Ill. Combined workbench, cabinet, and overhead trolley support. 170,329, Sept. 1.
Miller, Kenneth K., assignor to Miller Protecto Products Company, Kalamazoo, Mich. Spray-type dispenser for liquids. 169,984, July 7.
Miller, Leonidas C., Los Angeles, Calif. Air compressor unit. 170,330, Sept. 1.
Miller Protector Products Company, assignee: *See*—
Miller, Kenneth K.
Miller, William J., Galesburg, Ill. Stove handle. 168,631, Jan. 13.
Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 168,962, Mar. 3.
Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 169,044, Mar. 17.
Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Organ console. 169,381, Apr. 21.
Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Organ console. 171,096, Dec. 15.
Millington, William, Grand Rapids, Mich., and W. M. Day, Kenwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano case. 171,097, Dec. 15.
Mills, Hiram L., Prairie Village, Kans. Slide filing tray. 171,219, Dec. 29.
Millway Knitting Mill, Inc., assignee: *See*—
Tait, George C.
Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.
Milwid, Alben J.: *See*—
Parke, Byron R., and Milwid.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Reinecke, Jean O.

Minozzi, Ferdinand R., Yonkers, N. Y. Child's scooter. 170,160, Aug. 11.
Misson, William H., Los Altos, Calif., assignor to Zip Products Co. Staple puller. 169,859, June 16.
Mitchell, Charles W., and S. S. Aidlin, New York, N. Y. Thermostatic fire alarm switch. 169,944, June 30.
Mizrahi, Joseph D., Los Angeles, Calif. Apron or similar article. 169,689, May 26.
Moeglich, Arthur T., Jackson Heights, N. Y. Pincushion. 170,542, Oct. 6.
Mohr, Anthony, Chicago, Ill. Merchandise display stand. 168,963, Mar. 3.
Mojud Hosiery Co., Inc., assignee: *See*—
Remmey, Richard C.
Voehringer, John K., Jr.
Molenaor, Edna M., Rutherford, N. J., assignor to Everfast Fabrics, Inc., New York, N. Y. Textile fabric. 169,860, June 16.
Molina Machine Company, Limited, assignee: *See*—
Best, Cyril.
Molk, Carl: *See*—
Greenstein, Benjamin, and Molk.
Molla, Charles P., New Hyde Park, N. Y. Chair. 171,002, Dec. 1.
Molla, Charles P., New Hyde Park, N. Y. Chair. 171,003, Dec. 1.
Monahan, Garry J., Jr., Bridgeport, Conn. Suction sink stopper. 170,425, Sept. 15.
Monarch Tool & Manufacturing Company, assignee: *See*—
Hall, Mitchell A.
Monark Silver King, Inc., assignee: *See*—
Ring, Harold H.
Monroe, Harry E., Los Angeles, Calif. Wall gunrack. 168,850, Feb. 17.
Monsarrat, Nicholas, Seekonk, Mass., assignor to Fram Corporation. Water conditioner and filter unit. 170,472, Sept. 22.
Montenier, Jules, Chicago, Ill. Flexible bottle. 168,851, Feb. 17.
Moody, Alvin S., assignee: *See*—
Cunningham, Marcus M.
Moore, James P., Daly City, Calif. Combined salt and pepper shaker. 171,043, Dec. 8.
Moore, Robert R., Chicago, Ill. Moisture tester. 169,325, Apr. 14.
Moore, Roy C., Dallas, Tex. Folding desk chair. 170,331, Sept. 1.
Moore, Walter E., Belnor, assignor to Knapp-Monarch Company, St. Louis, Mo. Food mixer or similar article. 170,130, Aug. 4.
Moorhead, Walter H.: *See*—
Oros, John, and Moorhead.
Moran, Michael J., Detroit, Mich. Lawn sprinkler. 168,651, Jan. 20.
Morey, Jay, assignor to Universal Electric Products Corp., Madison, Wis. Vaporizer. 169,272, Apr. 7.
Morgan, Charles W., Chicago, Ill. Trundle toy. 169,164, Mar. 31.
Morgan, Jack, assignor to Dormeyer Corporation, Chicago, Ill. Portable food mixer unit. 170,884, Nov. 17.
Morgan, Jack, Chicago, Ill., assignor to Industrial Lamp Corporation, Elkhart, Ind. Lighting fixture or similar article. 171,164, Dec. 22.
Morgan, John H., Old Southgate, London, assignor to Dunlop Rubber Company Limited, Birmingham, England. Waistband. 170,764, Nov. 3.
Morgan, Ralph J., Youngstown, Ohio. Horn ring extension. 171,044, Dec. 8.
Morgenweck, Walter W., Fanwood, N. J. Combined playing card and poker chip case or similar article. 170,206, Aug. 18.
Morris, Alice M., Beverly Hills, and F. L. Schaeffer, assignors to Bert M. Morris Company, Los Angeles, Calif. Inkwell. 170,828, Nov. 10.
Morris, Bert M. Company, assignee: *See*—
Morris, Alice M., and Schaeffer.
Morris, Nathan K., Avon, N. J. Head scarf. 170,024, July 14.
Morrow, Abraham S., Brooklyn, N. Y. Scarf. 169,382, Apr. 21.
Morrow, Anthony R.: *See*—
Spilman, Raymond, Morrow, and Axel.
Morse, Phillip S., New York, N. Y. Combined control knob and escutcheon plate. 169,045, Mar. 17.
Morton, Marks, assignee: *See*—
Lee, Edward B.
Motor Wheel Corporation, assignee: *See*—
Wilson, Lawrence H.
Motorola, Inc., assignee: *See*—
Klein, Edward.
Reinecke, Jean O.
Moulded Products, Inc., assignee: *See*—
Wenkstern, Russell.
Mover, Eliot S., Brighton, assignor to Bunny Bear Inc., Everett, Mass. Plastic sheeting or the like. 170,829, Nov. 10.
Moxley, Murray, Geneva, assignor to The Howell Co., St. Charles, Ill. Serving cart. 169,775, June 2.
Mueller, Arthur C., Des Plaines, assignor to Bell & Howell Company, Chicago, Ill. Photographic camera housing unit. 169,165, Mar. 31.
Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 169,081, Mar. 24.
Mulcrone, James J., Sr., Minneapolis, Minn. Combined scissors sheath and spool holder. 169,909, June 23.
Mullen, Helen M., Seattle, Wash. Combined bottle and applicator or similar article. 170,426, Sept. 15.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation. Refrigerator cabinet. 168,583, Jan. 6.
Mullins, Manufacturing Corporation, assignee: *See*—
Stanitz, Jacques.
Mundt, Stuart G.: *See*—
Welcher, William H., and Mundt.
Mundt, Stuart G., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Control and indicator knob. 168,902, Feb. 24.
Murdock, Benjamin, Brooklyn, N. Y. Box for a girdle. 168,852, Feb. 17.
Murphy, Joseph E., Hicksville, and M. Schnall, Brooklyn, assignors to See-Qual Package Corp., New York, N. Y. Tray for a wrapped fruit container. 169,383, Apr. 21.
Murphy, Joseph E., Hicksville, and M. Schnall, Brooklyn, assignors to See-Qual Package Corp., New York, N. Y. Tray for a wrapped fruit container. 170,092, July 28.
Murphy, Joseph E., Hicksville, and M. Schnall, Brooklyn, assignors to See-Qual Package Corp., New York, N. Y. Tray for a wrapped fruit container. 171,098, Dec. 15.
Murphy, Robert D., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Twin parking meter. 168,699, Jan. 27.
Murray, Burton L., Colton, R. A. Tefft, Beaumont, and L. L. Hubby, San Bernardino, Calif. Hobbyhorse. 168,801, Feb. 10.
Murray, Irene M., Weehawken, N. J., assignor to Talon, Inc. Carrying bag. 169,517, May 5.
Murray-Ohio Manufacturing Company, The, assignee: *See*—
Schreckengost, Viktor.
Murty, Otis G., Riverdale, Md., assignor to the United States of America as represented by the Secretary of the Army. Boot. 170,543, Oct. 6.
Musacchia, John B., Brooklyn, N. Y., and R. Nicyper, Bergenfield, N. J. Combined lamp and container or the like. 169,985, July 7.
Musacco, Louis T., San Gabriel, Calif. Combined desk, seat, and blackboard. 169,012, Mar. 10.
Musano, Daniel: *See*—
Gimble, Irving, and Musano.
Musser, Ernest O., Grand Rapids, Mich. Child's auto chair. 169,013, Mar. 10.
Mustee, Bernard E., Cleveland, Ohio. Laundry tub. 169,910, June 23.
Myser, Henri J., Mount Vernon, Ill. Toy airplane or similar article. 169,861, June 16.
Myser, Henri J., Mount Vernon, Ill. Toy airplane or similar article. 169,862, June 16.
Myser, Henri J., Mount Vernon, Ill. Toy airplane or similar article. 169,863, June 16.
Myser, Henri J., Mount Vernon, Ill. Toy airplane or similar article. 169,864, June 16.
Myser, Henri J., Mount Vernon, Ill. Airplane. 170,025, July 14.
Nafziger, Ralph L., assignee: *See*—
Williams, Richard G.
Nagel-Chase Manufacturing Company, The, assignee: *See*—
Schultz, Edward H., Jr.
Nagler, Bruno, New York, N. Y. Toy helicopter. 169,558, May 12.
Nalle, George S., Jr., Austin, Tex. Combined clasp and hook. 170,544, Oct. 6.
National Cash Register Company, The, assignee: *See*—
Placke, Everett H.
National Distillers Products Corporation, assignee: *See*—
Hennessy, Robert E.
National Ideal Company, The, assignee: *See*—
Friedman, Abraham S.
National Key Company, The, assignee: *See*—
Horwitz, Sidney H.
National Sponge Cushion Co., Inc., assignee: *See*—
Harwin, Dixon R., Stern, and Bodle.
National Tag & Label Corporation, assignee: *See*—
Keegan, Hugh J.
Neal, Thomas H., Kansas City, Mo. Sorority pin. 169,082, Mar. 24.
Neary, Francis B., Rochester, N. Y. Rimless metal spectacle front. 168,903, Feb. 24.
Neglia, Frank, Old Tappan, N. J. Handbag. 170,332, Sept. 1.
Nekuda, Raymond F., Kansas City, Mo. Set of cards for playing a baseball game. 170,269, Aug. 25.
Nellen, Arthur H., assignor to Lee Rubber & Tire Corporation, Philadelphia, Pa. Vehicle tire. 170,710, Oct. 27.
Nellen, Arthur H., assignor to Lee Rubber & Tire Corporation, Philadelphia, Pa. Vehicle tire. 170,711, Oct. 27.
Nelson, Carl A., Whittier, Calif. Clotheshorse. 170,473, Sept. 22.
Nelson, Erdick, Walworth, Wis., assignor to Square Manufacturing Company. Drink dispenser. 168,753, Feb. 3.
Nelson, Erdick H., Naperville, Ill. Carrying case. 168,632, Jan. 13.
Nelson, Willis N., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Space heater. 168,754, Feb. 3.
Nemzer, Roy R.: *See*—
Goldman, Robert, and Nemzer.

Neo Products Co., assignee: *See*—
Burrows, Samuel.
Nesco, Inc., assignee: *See*—
Wagner, Franz.
Nessler, John L., Pittsfield, Mass., assignor to General Electric Company. Ring box or similar article. 169,046, Mar. 17.
Nestler, Paul R., Green Lane, Pa. Stocking. 170,333, Sept. 1.
Netzer, Hans, New York, N. Y. Settee. 169,911, June 23.
Neumann, Vera, Ossining, N. Y. Scarf. 169,083, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,084, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,085, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,086, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,087, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,088, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,089, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,090, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,091, Mar. 24.
Neumann, Vera, Ossining, N. Y. Scarf. 169,273, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,274, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,275, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,276, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,277, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,278, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,279, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,280, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,281, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 169,282, Apr. 7.
Neumann, Vera, Ossining, N. Y. Scarf. 170,063, July 21.
Neumann, Vera, Ossining, N. Y. Scarf. 170,598, Oct. 13.
Neumann, Vera, Ossining, N. Y. Scarf. 170,599, Oct. 13.
Neumann, Vera, Ossining, N. Y. Scarf. 170,600, Oct. 13.
Neumann, Vera, Ossining, N. Y. Scarf. 170,933, Nov. 24.
Neville, John V., Columbus, Mont., assignor to The Neville-Robinson Company, Duluth, Minn. Arm restraint. 170,885, Nov. 17.
Neville-Robinson Company, The, assignee: *See*—
Neville, John V.
Nevin, Ira: *See*—
Fader, Arthur I., and Nevin.
New England Carbide Tool Company, Inc., assignee: *See*—
Chapin, Bernard L.
New Holland Feed and Farm Supply Company, assignee: *See*—
Swanson, Kenneth L.
Newman, Charles H., Northfield, and J. L. Hvale, assignors to Teamakers, Inc., Chicago, Ill. Teapot or similar article. 168,584, Jan. 6.
Newman, Fred E., Chicago, Ill. Coffee brewer. 169,778, June 2.
Newman, Frederick H., Jr., Port Washington, and C. B. Stevens, assignors to Superdisplay Incorporated, Milwaukee, Wis. Melted butter dispenser. 168,802, Feb. 10.
Newman, James F., St. Clair Shores, Mich., assignor to United States Rubber Company, New York, N. Y. Tire. 170,765, Nov. 3.
Newmark, Marshall F., Spring Valley, assignor to Progressive Products, Inc., La Mesa, Calif. Teething aid. 171,165, Dec. 22.
Nichols, Herbert E., Los Angeles, Calif. Perspiration shield for eyeglasses. 168,700, Jan. 27.
Nicolay, Robert C., Wooster, Ohio. Electric percolator. 170,161, Aug. 11.
Nicouline, Vsevolode, Milan, Italy, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 170,601, Oct. 13.
Nicyper, Raymond: *See*—
Musacchia, John B., and Nicyper.
Nisenson, Jules, Croton-on-Hudson, N. Y. Barbecue or similar article. 170,508, Sept. 29.
Nissen, Warren I., Basking Ridge, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 168,585, Jan. 6.
Noe, William M., South Pasadena, Calif. Safety belt buckle. 171,045, Dec. 8.
Nolin, Paul G., Cohoes, N. Y. Combined wrist watch case and a watch band. 171,004, Dec. 1.
Nolin, Paul G., Cohoes, N. Y. Combined wrist watch case and watch band. 171,005, Dec. 1.
Nolin, Paul G., Cohoes, N. Y. Combined watch case and watch band. 171,006, Dec. 1.
Noma Electric Corporation, assignee: *See*—
Butzko, Robert L.
Norby, Clarence V.: *See*—
Girardy, Alfred B., Norby, and Doman.
Haman, Ralph W., and Norby.
Haman, Ralph W., Norby, and Doman.
Norman, William Z., New York, and J. Billig, Kew Gardens, assignors to Bilnor Corp., Maspeth, N. Y. Inflatable float. 169,631, May 19.
North Electric Manufacturing Company, The, assignee: *See*—
Robinson, James M., Greshel, and Lewis.
Northwest Plastics, Inc., assignee: *See*—
Laughlin, Clayton A.
Norwich, Adam T., Cleveland, Ohio. Toy bird figure. 169,452, Apr. 28.
Noyes, Marion A., West Newbury, assignor to Towle Manufacturing Company, Newburyport, Mass. Knife or the like. 170,334, Sept. 1.
Noyes, Marion A., West Newbury, assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or the like. 170,474, Sept. 22.
Nyberg, David, assignee: *See*—
Klint, Bernard C.
Nyberg, Emma, assignee: *See*—
Klint, Bernard C.
Nye, Clarence, Reading, Pa. Stocking. 169,865, June 16.
Ny-Lint Tool & Mfg. Co., assignee: *See*—
Klint, Bernard C.
Nystrom, Walter A., Arlington Heights, assignor to Skil Corporation, Chicago, Ill. Portable electric tool unit or the like. 171,220, Dec. 29.
Nystrom, Walter A., Arlington Heights, assignor to Skil Corporation, Chicago, Ill. Portable electric tool unit or the like. 171,221, Dec. 29.
O'Brien, Richard C., Dayton, and V. Schreckengost, assignors to Harris-Seybold Company, Cleveland, Ohio. Paper cutter case. 168,904, Feb. 24.
O'Brien, Vincent R., assignor to Fastee Products, Inc., St. Paul, Minn. Sink spray. 168,803, Feb. 10.
Obstfeld, Abraham, assignee: *See*—
Schmidt, Fredrick W
Obstfeld, Lou, assignee: *See*—
Schmidt, Fredrick W.
O'Connell, Daniel C., Bedford Village, assignor to Sterno, Inc., New York, N. Y. Chafing dish. 168,905, Feb. 24.
O'Connell, Daniel C., Bedford Village, assignor to Sterno, Inc., New York, N. Y. Chafing dish. 169,166, Mar. 31.
Odlum, William H., Wilmette, and K. A. Paine, Jr., Park Ridge, assignors to Duro Metal Products Company, Chicago, Ill. Tool support. 171,222, Dec. 29.
Odom, Winifred P., Cambridge City, Ind. Apron. 171,166, Dec. 2.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,633, Jan. 13.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,701, Jan. 27.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,702, Jan. 27.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,703, Jan. 27.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,755, Feb. 3.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,756, Feb. 3.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,757, Feb. 3.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,758, Feb. 3.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,759, Feb. 3.
Odzer, Harry, New York, N. Y. Textile fabric or similar article. 168,759, Feb. 3.
Ogle, Kathleen B., assignee: *See*—
Buckley, Lawrence G.
Ogren, Axel E., Chicago, Ill. Clothesline reel. 170,162, Aug. 11.
O'Hare, Theresa C., Quincy, Mass. Medallion or similar article. 170,602, Oct. 13.
Ohio Sesquicentennial Commission, assignee: *See*—
Smith, Charles L.
Old Ben Publishing Company, Inc., assignee: *See*—
Ray, Richard M.
O'Leary, Milo J., Rochester, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens housing. 169,092, Mar. 24.
Oneida Ltd., assignee: *See*—
Allen, Grosvenor N., and Fleming.
Fleming, Mary P.
Gerth, William H.
O'Neill, James A., Chelsea, Mass. Illuminable traffic signal or similar article. 169,945, June 30.
Onondaga Pottery Company, assignee: *See*—
Dost, Helen M.
Otis, Edward M.
Opler, Edmond, Hinsdale, assignor to World's Finest Chocolate, Inc., Chicago, Ill. Candy bar or similar article. 170,362, Sept. 8.
Oppenheimer, Siegfried L., New York, N. Y. Narrow textile fabric or the like. 168,853, Feb. 17.
Orloff, Jack, New York, N. Y. Blouse. 169,986, July 7.
Orloff, Jack, New York, N. Y. Blouse. 169,987, July 7.
Orloff, Jack, New York, N. Y. Blouse. 169,988, July 7.
Ornstein, Peter P., Los Angeles, Calif., assignor to Polynesian Sales Corporation, Chicago, Ill. Base for table lamps. 168,704, Jan. 27.
Ornstein, Peter P., Los Angeles, Calif., assignor to Polynesian Sales Corporation, Chicago, Ill. Base for table lamps. 168,705, Jan. 27.
Oros, John, and W. H. Moorhead, Cleveland, Ohio. Drum upender or similar article. 168,586, Jan. 6.
Orr, Matthew F., assignor to J. C. Hockery, Kansas City, Mo., trustee for H. J. and F. L. Taige. Deep fat fryer. 169,283, Apr. 7.
Osborn, Charles L., Denver, Colo. Combined stirrer, spreader, and pickle fork. 168,706, Jan. 27.
Osers, Harry M., New York, N. Y. Pin. 170,934, Nov. 24.
Oshlag, Arthur A., New Rochelle, N. Y. Belt buckle. 171,099, Dec. 15.
Oslac, Paul J.: *See*—
Boji, Louis, and Oslac.
Oster, John, Manufacturing Company, assignee: *See*—
Iannelli, Alfonso.

Otis, Edward M., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 169,384, Apr. 21.
Otto, Carl, New York, N. Y., assignor to General Electric Company. Clockcase. 169,453, Apr. 28.
Otto, Carl L., New York, N. Y., assignor to Schick Incorporated, Stamford, Conn. Electric shaver. 169,093, Mar. 24.
Otto, Carl L., New York, N. Y., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Sound translating machine. 169,559, May 12.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,964, Mar. 3.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,284, Apr. 7.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,285, Apr. 7.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,286, Apr. 7.
Overturf, William K., San Diego, Calif. Flashlight or similar article. 168,965, Mar. 3.
Owen, Harold A., assignor to International Latex Corporation, Dover, Del. Bib. 169,912, June 23.
Owens Brush Company, assignee: *See*—
Snyder, Austin B.
Owens-Illinois Glass Company, assignee: *See*—
Lorenzen, Arnold I.
Ozner, Sylvia, Miami Beach, Fla. Head scarf. 168,854, Feb. 17.
Pabco Products Inc., assignee: *See*—
Johnson, George W.
Paddock, Donald T., Chicago, Ill. Container for game counters. 169,094, Mar. 24.
Paden, Frederick T., Collingswood, N. J., and A. C. H. Weiss, Chicago, Ill., assignors to the United States of America as represented by the Secretary of the Army. Sled. 170,886, Nov. 17.
Paden, Frederick T., Collingswood, N. J., and A. C. H. Weiss, Chicago, Ill., assignors to the United States of America as represented by the Secretary of the Army. Sled. 170,887, Nov. 17.
Paden, Frederick T., Collingswood, N. J., and A. C. H. Weiss, Chicago, Ill., assignors to the United States of America as represented by the Secretary of the Army. Sled. 170,888, Nov. 17.
Paine, Karl A., Jr.: *See*—
Odlum, William H., and Paine.
Painter, David L., Evanston, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Banquet cover. 170,712, Oct. 27.
Palczewski, Edward J., Philadelphia, Pa. Kit for physicians' and surgeons' supplies or similar article. 170,651, Oct. 20.
Palma, Joseph, Jr., assignor to Story & Clark Piano Company, Chicago, Ill. Spinet piano or similar article. 170,363, Sept. 8.
Palma, Joseph, Jr., Berwyn, Ill., and C. A. Lenbner, Milwaukee, Wis., assignors to G. M. Laboratories Inc., Chicago, Ill. Knife sharpener. 170,935, Nov. 24.
Palmer, Richard M., Wyomissing, Pa. Chocolate confection. 169,454, Apr. 28.
Palmeter, George R., Kentville, Nova Scotia, Canada. Cup or similar article. 170,652, Oct. 20.
Palmeter, George R., Kentville, Nova Scotia, Canada. Saucer or similar article. 170,653, Oct. 20.
Palmeter, George R., Kentville, Nova Scotia, Canada. Plate or similar article. 170,654, Oct. 20.
Palo, Maurice M., Conneaut, Ohio. Base for a portable microphone or the like. 170,545, Oct. 6.
Pancotti, Mario, Bronxville, N. Y. Accordion grill. 170,889, Nov. 17.
Pancotti, Mario, Bronxville, N. Y. Accordion grill. 170,890, Nov. 17.
Pannone, Lester, assignor to The Sponge Rubber Products Company, Shelton, Conn. Flexible sheet of cushioning material or the like. 171,100, Dec. 15.
Panzer, Fredric C. and W. H., Chicago, Ill. Smoker's stand or similar article. 171,101, Dec. 15.
Panzer, Wilbur H.: *See*—
Panzer, Fredric C. and W. H.
Papadakos, Peter J., Brooklyn, assignor to Gyrodyne Company of America, Inc., New York, N. Y. Rotary wing aircraft. 168,652, Jan. 20.
Paramount Manufacturing Company, assignee: *See*—
Horwitch, Philip R.
Pardey, William A., Portland, Oreg. Ozone generator unit. 170,713, Oct. 27.
Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine frame. 170,064, July 21.
Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine frame. 170,335, Sept. 1.
Parke, Byron R., New York, N. Y., and A. J. Milwid, Bayonne, N. J., assignors to Congoleum-Nairn Inc. Linoleum rug or similar article. 168,804, Feb. 10.
Parker, Gordon: *See*—
Miller, Beatrice L., and Parker.
Rhoades, Nolan K.
Parker, Gordon, Alliance, and B. L. Miller, Cleveland, assignors to Royal China Inc., Sebring, Ohio. Plate or the like. 170,336, Sept. 1.
Parkison, Amherst M.: *See*—
Cooper, Bertrand M., Parkison, and Storck.
Parkway Furniture Manufacturing Company, *See*—
Hoffman, Melvin J.
Parrish, Montez, Blountstown, Fla. Combined fruit bowl. 170,830, Nov. 10.
Parva Products Company, assignee: *See*—
White, Paul W., and Webb.
Patriarca, Domenico, Cranston, R. I. Tobacco humidifier. 171,102, Dec. 15.
Patrick, Anthony R., Jr.: *See*—
Stirbis, Alexander P., and Patrick.
Patrick, Kenneth A., assignor to Bethesda Past Inc., Bethesda, Md. Iced cake. 168,587, Jan
Patrick, Kenneth A., assignor to Bethesda Past Inc., Bethesda, Md. Iced cake. 168,588, Jan
Patrick, Kenneth A., assignor to Bethesda Past Inc., Bethesda, Md. Iced cake. 169,385, Ap
Patrick, Kenneth A., assignor to Bethesda Past Inc., Bethesda, Md. Iced cake. 169,386, Apr
Patrick, Thomas A., Detroit, Mich. Fish lure. Apr. 14.
Patt Manufacturing Co., assignee: *See*—
Pattis, David.
Pattis, David, assignor to Patt Manufacturing cago, Ill. Headlamp visor. 169,820, June 9.
Paul Brown-Greher, Inc., assignee: *See*—
Brown, Paul.
Paul, John L., Los Angeles, assignor to Lockhee Corporation, Burbank, Calif. Self-adjusting protective shield. 170,546, Oct. 6.
Pavenick, Abraham, New York, N. Y. Sun vis unit. 168,707, Jan. 27.
Pavenick, Stanford, South Orange, N. J. Rearvi or similar article. 168,589, Jan. 6.
Paynor, Melvin, Providence, R. I. Golf put 168,855, Feb. 17.
Peabody, John A., Sr., Auburn, Wash. Tru 171,007, Dec. 1.
Pealer, Robert B., Garrettsville, assignor to Be Tools, Inc., Warren, Ohio. Power drive un with hand cutting tools. 169,387, Apr. 21.
Peck, Mary F., Evanston, assignor to The H. W Co., Chicago, Ill. Halter brassière. 170,509,
Peerless Steel Equipment Company, assignee: *S* Kuhn, Anton J.
Pegram, Edwin B., Bozeman, Mont. Garden ro 170,936, Nov. 24.
Peltier, Leslie C., Delphos, Ohio, assignor to T Bending Company. Child's riding toy or simi 170,026, July 14.
Pennington, Charles W., Union, N. J. Combi and shoehorn. 170,603, Oct. 13.
Perfection Stove Company, assignee: *See*—
Perry, Chester C.
Perlmutter, Patricia C., assignor to Woodstock Woodstock, N. Y. Candle. 170,027, July 14.
Perry, Chester C., Chagrin Falls, assignor to Stove Company, Cleveland, Ohio. Heati 170,364, Sept. 8.
Peters, Leo, Evanston, Ill. Molded food product Jan. 20.
Peters, Lewis E., Beverly Shores, assignor to R Price & Associates, Inc., Chesterton, Ind. sign. 171,223, Dec. 29.
Peters, Mary W., Boulder, Colo. Doll. 170,71
Peters & Russell, Inc., assignee: *See*—
Russell, Linus E.
Petersen, Richard J.: *See*—
Cripe, Gene H., and Petersen.
Petersen, William L., assignor to Clarke Sa chine Company, Muskegon, Mich. Sanding 170,547, Oct. 6.
Peterson, George, Los Angeles, Calif. Toy puzzle. 170,427, Sept. 15.
Peterson, James A., Yorkville, Ill. Bottle holder Dec. 1.
Peterson, Wilber P., Kansas City, Mo. Ca 170,428, Sept. 15.
Petertil, Victor A., Oak Park, Ill., assignor to Aluminum Co., West Bend, Wis. French frye Nov. 3.
Petracek, Vaclav, Elmhurst, assignor to Hafner Inc., New York, N. Y. Woven plastic fabric June 9.
Petry, John, New York, assignor to Raylite Ele Bronx, N. Y. Music box. 169,095, Mar. 24.
Petry, John, New York, assignor to Raylite Ele Bronx, N. Y. Illuminable Christmas plaque Sept. 22.
Petry, John, New York, assignor to Raylite Ele Bronx, N. Y. Music box Christmas ornamen Oct. 13.
Petry, John, New York, assignor to Raylite Ele Bronx, N. Y. Illuminable Christmas plaque Nov. 24.
Petry, John, New York, assignor to Rayli Corp., Bronx, N. Y. Illuminable Christm 170,938, Nov. 24.
Petry, John, New York, assignor to Rayli Corp., Bronx, N. Y. Illuminable Christm 170,939, Nov. 24.
Petry, John, New York, assignor to Rayl Corp., Bronx, N. Y. Illuminable Christma 170,940, Nov. 24.

Petterson, Thorleif H., Pasadena, assignor to Beckman Instruments, Inc., South Pasadena, Calif. Housing for scientific instruments. 170,065, July 21.

Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Radio cabinet. 168,906, Feb. 24.

Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Radio cabinet. 168,907, Feb. 24.

Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Radio cabinet. 168,908, Feb. 24.

Peyser, Leonard, White Plains, assignor to Essex Manufacturing Co. Inc., New York, N. Y. Umbrella display stand. 168,856, Feb. 17.

Pfaff, Henry C., Jr., Summit, N. J. Electric wire suspension rack. 171,224, Dec. 29.

Pfarrer, Walter F., Beaver Dam, Wis. Wall comb holder. 169,632, May 19.

Pfohl, Louis H., Forest Hills, assignor to Design Center Inc., Long Island City, N. Y. Helmet. 170,831, Nov. 10.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 168,590, Jan. 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 168,591, Jan. 6

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 168,592, Jan. 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 168,634, Jan. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 168,635, Jan. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 168,636, Jan. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 168,637, Jan. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,096, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,097, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,098, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,099, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,100, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 169,101, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,102, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 169,103, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,104, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,105, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,106, Mar. 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,168, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,169, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,170, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,171, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,172, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,173, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,174, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,175, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,176, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,177, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 169,178, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 169,179, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,180, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 169,181, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 169,182, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,183, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,184, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,185, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,186, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,187, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,188, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,189, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,190, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,191, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,192, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,193, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,194, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,195, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,196, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,197, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,198, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,199, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,200, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 169,201, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,202, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,203, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,204, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,205, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,206, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,207, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,208, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,209, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,210, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,211, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,212, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,213, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,214, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,215, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,216, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,217, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,218, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,219, Mar. 31.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,327, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,328, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,329, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 169,330, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,331, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,332, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,333, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,334, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 169,335, Apr. 14.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 169,690, May 26.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 169,691, May 26.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,692, May 26.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 169,693, May 26.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishell, Inc., New York, N. Y. Earring or the like. 169,779, June 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishell, Inc., New York, N. Y. Link chain for a necklace or the like. 169,780, June 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 169,781, June 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 169,782, June 2.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,131, Aug. 4.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,132, Aug. 4.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,133, Aug. 4.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,134, Aug. 4.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,135, Aug. 4.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,136, Aug. 4.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,207, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,208, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,209, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,210, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,211, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,212, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,213, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,214, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,215, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,216, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,217, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,218, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,219, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,220, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,221, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,222, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,223, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,224, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,225, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,226, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,227, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,228, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,229, Aug. 18.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,270, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,271, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,272, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,273, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,274, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,275, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,276, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,277, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,278, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,279, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,280, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,281, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,282, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,283, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 170,284, Aug. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,337, Sept. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,365, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,366, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 170,367, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,368, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,369, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,370, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,371, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,372, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 170,373, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 170,374, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,375, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,376, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,377, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,378, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,379, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,380, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,381, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,382, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,383, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,384, Sept. 8.
Philippe, Alfred, Scarsdale, N. Y. Earring or the like. 170,385, Sept. 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 170,476, Sept. 22.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 170,605, Oct. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 170,606, Oct. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,607, Oct. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 170,608, Oct. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 170,609, Oct. 13.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 170,941, Nov. 24.
Phillips, Douglas: *See*—
Fountain, Leslie A., and Phillips.
Phillips, Kenneth R., Seattle, Wash. Warm air residential furnace. 169,783, June 2.
Pichel, Irving, New York, N. Y. Handbag or similar article. 170,477, Sept. 22.
Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Stava, Robert J.
Piker, Herbert M.: *See*—
Cabot, Petra, and Piker.
Pilcher, J. V., Mfg. Company, Incorporated, assignee: *See*—
Babbitt, John F.
Pilkey, Harold W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Ornament for an automobile body. 168,966, Mar. 3.
Pilkey, Harold W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 170,832, Nov. 10.
Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Expansible link chain for a wristband or similar article. 169,784, June 2.
Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Expansible link chain for a wristband or similar article. 169,785, June 2.
Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Expansible link chain for a wristband or similar article. 171,046, Dec. 8.
Pinson, Alfred, Stamford, assignor to Apex Accessories Co., Inc., Greenwich, Conn. Expansible link chain for a wristband or similar article. 171,047, Dec. 8.
Pittsburgh Reflector Company, assignee: *See*—
Levaur, Bernard D.
Placke, Everett H., assignor to The National Cash Register Company, Dayton, Ohio. Table. 169,388, Apr. 21.
Plastic Metal Mfg. Co., assignee: *See*—
Helfenbein, Anne, and Hardt.
Plax Corporation, assignee: *See*—
Hills, David G.
St. Clair, Melvin E.
Schwarz, Donald J., and St. Clair.
Vuillemenot, Robert P., and St. Clair.
Plebanek, Leonard Z., Chicago, Ill. Proportional divider. 168,967, Mar. 3.
Plotkin, Bernard, assignor to Wire Wheel Division, Calnevar Company, Los Angeles, Calif. Wheel cover. 170,230, Aug. 18.
Plotkin, Bernard, assignor to Wire Wheel Division, Calnevar Company, Los Angeles, Calif. Wheel cover. 170,231, Aug. 18.
Plotkin, Bernard, assignor to Wire Wheel Division, Calnevar Company, Los Angeles, Calif. Wheel cover. 170,232, Aug. 18.
Plotkin, Bernard, assignor to Wire Wheel Division, Calnevar Company, Los Angeles, Calif. Wheel cover. 170,233, Aug. 18.
Plotkin, Bernard, assignor to Wire Wheel Division, Calnevar Company, Los Angeles, Calif. Wheel cover. 170,234, Aug. 18.
Plotkin, Bernard, assignor to Wire Wheel Division, Calnevar Company, Los Angeles, Calif. Wheel cover. 170,235, Aug. 18.
Plotkin, Frederic P., Los Angeles, Calif. Wheel cover. 169,946, June 30.
Plummer, James E.: *See*—
Diamond, Freda, and Plummer.
Poirette Corsets, Inc., assignee: *See*—
Laguzzi, Mario.
Polglase, Thomas R., Spring Lake, Mich., assignor to Anaconda Wire and Cable Company. Shipping case. 169,220, Mar. 31.
Polivka, John N.: *See*—
Graham, Maurice H., Polivka, Hamilton, and Davis.
Polikva, John N., Minneapolis, Minn., assignor to General Mills, Inc. Handle for a waffle baker or the like. 168,760, Feb. 3.
Polivka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Handle for waffle bakers and the like. 168,761, Feb. 3.
Polivka, John N., Minneapolis, Minn., assignor to General Mills, Inc. Combination grill and waffle baker or the like. 168,762, Feb. 3.
Polk, Emil S., New York, N. Y., assignor to Latama Cutlery, Inc. Combination pocketknife and lighter. 170,767, Nov. 3.
Polk, Emil S., New York, N. Y. Combination tool. 171,167, Dec. 22.
Pollard, Ross F., assignor to Towle Manufacturing Company, Newburyport, Mass. Pitcher or similar article. 169,014, Mar. 10.
Polynesian Sales Corporation, assignee: *See*—
Ornstein, Peter P.
Ponder, Raymond E., St. Louis, Mo. Dispensing device for granulated material. 168,593, Jan. 6.
Poor, Nathan H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Display stand. 169,287, Apr. 7.
Poole, Myron C., assignor to Holan Engineering Co., Inc., Elwood, Ind. Trailer coach. 170,093, July 28.
Popell, Samuel J., Chicago, Ill. Coffee maker. 170,510, Sept. 29.
Portable Electric Tools, Inc., assignee: *See*—
Dudek, Edmund C.
Porter, Wayne R., Kansas City, Mo. Tail light fixture for automobiles. 168,805, Feb. 10.
Porterprint Limited, assignee: *See*—
Griffiths, Clifford B.
Potter, Whitney W., St. Joseph, Mo. Calendar sheet. 169,107, Mar. 24.
Powers, Arthur A., Sheridan, Wyo. Rolling pin holder or similar article. 170,659, Oct. 20.
Practical Electric Products, Inc., assignee: *See*—
Barkin, Aaron.
Premier Gem Company, assignee: *See*—
Colmar, Philip.
Prentiss Wabers Products Co., assignee: *See*—
Nelson, Willis N.
Preston-Poynter Foundation, assignee: *See*—
Basore, Helen L.

Preti, Giuseppe, Ferrara, Italy, assignor to J. B. Berlund, Los Angeles, Calif. Shoe or similar article. 170,768, Nov. 3.
Pretzer, Bert C., St. Clair Shores, Mich. Lighting fixture. 168,654, Jan. 20.
Price, Raymond M., & Associates, Inc., assignee: *See*—
Peters, Lewis E.
Prichard, Evan S., La Canada, assignor to Cook Bros. Equipment Co., Los Angeles, Calif. Motor truck. 171,225, Dec. 29.
Prisland, Theodore, Hillside, assignor to The Celotex Corporation, Chicago, Ill. Acoustical correction tile. 168,763, Feb. 3.
Progressive Products, Inc., assignee: *See*—
Newmark, Marshall F.
Prokop, Frank J., assignor to Da-Lite Screen Company, Inc., Chicago, Ill. Handle for portable picture screens or the like. 170,236, Aug. 18.
Prus, Thomas A., Strathclair, Manitoba, Canada. Combined pepper-and-salt shaker. 169,560, May 12.
Publix Shirt Corporation, assignee: *See*—
Ruskay, Everett S.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Candlin, James E., Jr.
Girardy, Alfred B., Norby, and Doman.
Haman, Ralph W., and Norby.
Haman, Ralph W., Norby, and Doman.
Kay, Stanley W.
Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 169,947, June 30.
Pusecker, Wilma D., Columbus, Ohio. Bowl. 170,715, Oct. 27.
Pyrene Manufacturing Company, assignee: *See*—
Van Sciver, Edwin P.
Pyro Plastics Corporation, assignee: *See*—
Schaible, Grover C.
Quaker Lace Company, assignee: *See*—
Castorani, Francesco P.
Fees, Richard A.
Hamill, Virginia.
Hooven, Howard D.
Otto, Ferdinand P.
Waldman, Thelma.
Wolf, William.
Queen Manufacturing Co., Inc., assignee: *See*—
Doherty, Donald W.
Quigley, Stephen M., Baldwin Township, Allegheny County, Pa., and D. Goodman, Sherman Oaks, Calif. Ash tray. 169,694, May 26.
Quintana, Tomás D., Whites City, N. Mex. Chair. 169,948, 169,948, June 30.
Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 169,389, Apr. 21.
Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 169,695, May 26.
Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 169,786, June 2.
Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 171,226, Dec. 29.
Rael, Sol: *See*—
Domberger, Karl, and Rael.
Rainey, Thomas M., Cleveland, Ohio. Drawing table or the like. 171,103, Dec. 15.
Randall, Horace, Pawtucket, R. I., assignor to The H. M. H. Co. Medallion. 170,942, Nov. 24.
Randall, Neil F., Ogden, Utah. Game board. 171,048, Dec. 8.
Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Carrying tray. 170,163, Aug. 11.
Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Tray. 170,164, Aug. 11.
Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Serving tray. 170,237, Aug. 18.
Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Serving tray. 170,338, Sept. 1.
Randall, Walter H., Waterville, assignor to Keyes Fibre Company, Portland, Maine. Carrying tray. 171,104, Dec. 15.
Randolph Metal Products Co., assignee: *See*—
Footlik, Irving M., and Johnson.
Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery handle. 169,518, May 5.
Rasmussen, Nells L., assignee: *See*—
Rasmussen, Randall.
Rasmussen, Randall, assignor of one-sixth to W. J. Hirst, one-sixth to N. L. Rasmussen, Orem, one-sixth to L. M. Wolsey, one-sixth to S. F. Hirst, Provo, and one-sixth to R. J. Wolsey, Springville, Utah. Television cabinet or similar article. 169,787, June 2.
Rassman, George C., Pittsfield, Mass., assignor to General Electric Company. Laminated plastic sheet. 169,913, June 23.
Rastetter, Richard, Girard, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Toy weapon. 168,909, Feb. 24.
Ratzlaff, Darrell: *See*—
Fritz, Ralph C., Jr., de Caccia, and Ratzlaff.
Rauch, David, Lancaster, assignor to Van Brode Milling Co., Inc., Clinton, Mass. Container unit for disinfectants, deodorants, insecticides, and the like. 170,655, Oct. 20.
Rausing, Ruben, assignee: *See*—
Järund, Harry S. V.
Ravenscroft, Mary E., Colorado Springs, Colo.; now by change of name Mary R. Riddle. Garden marker. 169,633, May 19.
Ray, Richard M., Oak Park, assignor to Old Ben Publishing Company, Inc., Chicago, Ill. Mask for disguise or the like. 171,227, Dec. 29.
Ray, Richard M., Oak Park, assignor to Old Ben Publishing Company, Inc., Chicago, Ill. Mask for disguise or the like. 171,228, Dec. 29.
Ray, Richard M., Oak Park, assignor to Old Ben Publishing Company, Inc., Chicago, Ill. Mask for disguise or the like. 171,229, Dec. 29.
Ray, Richard M., Oak Park, assignor to Old Ben Publishing Company, Inc., Chicago, Ill. Mask for disguise or the like. 171,230, Dec. 29.
Raylite Electric Corp., assignee: *See*—
Petry, John.
Raylor, Walter, Englefield Green, assignor of one-half to Alumasc Limited, London, England. Fitting for tubular structures. 170,238, Aug. 18.
Raylor, Walter, Englefield Green, assignor of one-half to Alumasc Limited, London, England. Fitting for tubular structures. 170,239, Aug. 18.
Raylor, Walter, Englefield Green, assignor of one-half to Alumasc Limited, London, England. Fitting for tubular structures. 170,240, Aug. 18.
Raymond, Arthur, assignor of one-half to K. E. Schultz, Seattle, Wash. Shuffleboard attachment. 170,066, July 21.
Raymond, Gladys V., assignee: *See*—
Raymond, Horace J.
Raymond, Horace J., deceased, late of Concord, Calif., by G. V. Raymond, assignee, Concord, Calif. Tamper for chopping machines. 169,561, May 12.
Raytheon Television and Radio Corporation, assignee: *See*—
Marholz, Richard C.
Rearick, Ruth E., Miami, Fla. Lapel ornament or the like. 168,806, Feb. 10.
Rebora, Stephen F., Chicago, Ill. Birdhouse. 170,833, Nov. 10.
Red Comet, Incorporated, assignee: *See*—
Irwin, Caldwell C.
Red Wing Products, assignee: *See*—
Coon, Herbert.
Reece, Clarence D., Minneapolis, Minn. Vacuum cleaner cart. 169,336, Apr. 14.
Reece, Clarence D., Minneapolis, Minn. Vacuum cleaner cart. 169,337, Apr. 14.
Reece, Edward M., New York, N. Y. Glove. 168,708, Jan. 27.
Reedy, Earl L., Sacramento, Calif. Aerial amusement ride car or similar article. 168,910, Feb. 24.
Regina Corporation, The, assignee: *See*—
Verhagen, Edward L.
Regis Plastics Corporation, assignee: *See*—
Littlejohn, William C.
Rehrig Manufacturing Co., assignee: *See*—
Dillon, Chadbourn L.
Reinecke, Jean O., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 169,989, July 7.
Reinecke, Jean O., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 170,429, Sept. 15.
Reinecke, Jean O., Oak Park, Ill., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape dispenser or similar article. 169,788, June 2.
Reinecke, Jean O., Oak Park, Ill., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape dispenser or similar article. 169,789, June 2.
Reinecke, Jean O., Oak Park, assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Barbecue brazier. 170,943, Nov. 24.
Reinecke, Jean O., Oak Park, assignor to Motorola, Inc., Chicago, Ill. Portable radio. 171,009, Dec. 1.
Reinecke, Jean O., and J. W. Hauser, Oak Park, assignors to Hawley Products Company, St. Charles, Ill. Portable typewriter case or similar article. 168,709, Jan. 27.
Reineking, Willard H.: *See*—
Cohen, Lester, and Reineking.
Reineman, Richard G.: *See*—
Chapman, David, and Reineman.
Reingold, Hyman, Brooklyn, N. Y. Miniature traffic light and turn signal for vehicles. 169,221, Mar. 31.
Rella, Anthony, New York, N. Y. Sugar bowl set. 169,634, May 19.
Remington Products Corporation, assignee: *See*—
Wichansky, Samuel.
Remington Rand Inc., assignee: *See*—
Lindstrom, Howard D.
Remmey, Richard C., Greensboro, N. C., assignor to Mojud Hosiery Co., Inc., Long Island City, N. Y. Lady's stocking. 169,222, Mar. 31.
Reo Motors, Inc., assignee: *See*—
Rosenberg, Paul H.
Repp, John M.: *See*—
Lindberg, Caryl A., and Repp.

Reseska, Helen M., Brooklyn, N. Y. Cigarette. 170,716, Oct. 27.
Reskin, Mitchell L., assignee: *See*— Tomlinson, David.
Reuther, Harold H., Wyomissing, Pa. Self-propelled toy boat. 168,807, Feb. 10.
Revell, Louis A., Los Angeles, Calif. Ash tray. 168,710, Jan. 27.
Revell, Louis A., Los Angeles, Calif. Ash tray. 169,223, Mar. 31.
Revell, Louis A., Los Angeles, Calif. Ash tray. 169,224. Mar. 31.
Revell, Louis A., Los Angeles, Calif. Table. 169,455, Apr. 28.
Revere Camera Company, assignee: *See*— Davis, John E.
Reynolds, Frederick, Bloomfield Hills, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 171,231, Dec. 29.
Rheem Manufacturing Company, assignee: *See*— Cleveland, Roland M.
Rhoades, Nolan K., Milton, assignor to The Parker Pen Company, Janesville, Wis. Pocket clip. 169,456, Apr. 28.
Rice, Earl A., Mercersburg, Pa. Annular transparent aquarium. 169,866, June 16.
Rice, Emanuel J., assignee: *See*— Jones, Charles E., and Crowle.
Rice, William B., Columbus, Ind. Combined dental cuspidor and shield. 170,285, Aug. 25.
Richards, Archer W., Chagrin Falls, Ohio. Bleacher seat unit. 169,635, May 19.
Richards, Archer W., Chagrin Falls, Ohio. Bleacher seat unit. 169,636, May 19.
Richards, Archer W., Chagrin Falls, Ohio. Bleacher seat unit. 169,637, May 19.
Richardson, William C., Los Angeles, assignor to Technical Porcelain and Chinaware Co., El Cerrito, Calif. Platter or similar article. 168,711, Jan. 27.
Richter, Lester: *See*— Lewis, Leonard, and Richter.
Richter, William A., New York, N. Y. Frozen confection or the like. 169,390, Apr. 21.
Rickert, Melvin A., assignor to Amwell Full Fashioned Hosiery Company, Inc., Lambertville, N. J. Lady's stocking. 169,822, June 9.
Rickert, Melvin A., assignor to Amwell Full Fashioned Hosiery Company, Inc., Lambertville, N. J. Lady's stocking. 169,990, July 7.
Rickert, Melvin A., assignor to Amwell Full Fashioned Hosiery Company, Inc., Lambertville, N. J. Lady's stocking. 170,548, Oct. 6.
Riddle, Mary R.: *See*— Ravenscroft, Mary E.
Ridge Tool Company, The, assignee: *See*— Ingwer, Carl H.
Rieck, Waldemar C., Douglaston, N. Y. Educational spelling appliance or similar article. 169,562, May 12.
Ries, Edward J., Brighton, assignor to Ritter Company, Inc., Rochester, N. Y. Dental chair or the like. 168,857, Feb. 17.
Ries, Edward J., Brighton, and G. E. Christians, assignors to Ritter Company, Inc., Rochester, N. Y. Mobile stool. 169,696, May 26.
Riesert, August D.: *See*— Fox, Alexander P., and Reisert.
Riesman, Myer, Chestnut Hill, Mass., assignor to Royal Electric Company, Inc., Pawtucket, R. I. Ornament for candlelights. 170,717, Oct. 27.
Rigney, Francis J., Jr., Tiburon, Calif. Game board. 170,656, Oct. 20.
Ring, Harold H., Rockford, assignor to Monark Silver King, Inc., Chicago, Ill. Bicycle stabilizer attachment. 169,391, Apr. 21.
Ringler, Sidney, Forest Hills, assignor to Sidney Ringler Fur Co., Inc., New York, N. Y. Fur scarf or similar article. 169,225, Mar. 31.
Ringwall, Edward D., West Haven, assignor to The Howard Company, New Haven, Conn. Combination outdoor fireplace and grill. 170,718, Oct. 27.
Riordan, John A., Denver, Colo. Combined piston resizer and motor support. 170,339, Sept. 1.
Rioux, Eugene O., assignor to General Flexware Corp., New York, N. Y. Bottle or similar article. 171,010, Dec. 1.
Risley, John H., Waterville, Maine. Chair. 169,338, Apr. 14.
Risto, Otto W.: *See*— Athens, Harry L., and Risto.
Rittenhouse, Arthur E., Honeoye Falls, N. Y. Card holder. 168,712, Jan. 27.
Rittenhouse Company, Inc., The, assignee: *See*— Rittenhouse, Lloyd W.
Rittenhouse, Lloyd W., assignor to The Rittenhouse Company, Inc., Honeoye Falls, N. Y. Door chime housing. 169,392, Apr. 21.
Ritter Company, Inc., assignee: *See*— Lauterbach, Norman E., and Teague. Ries, Edward J. Ries, Edward J., and Christians.
Ritter, Saul, New York, N. Y. Expansible chain. 168,655, Jan. 20.
Ritter, Saul, assignor of one-half to M. J. Bruner, New York, N. Y. Expansible bracelet. 168,808, Feb. 10.
Robbins, Bernice L., Chicago, Ill. Combined finger ring and handkerchief holder. 170,241, Aug. 18.
Robbins, Jack W., Chicago, Ill. Drinking glass. 170,944, Nov. 24.
Roberts, Eugene A., Hamden, assignor to The Armstrong Rubber Company, West Haven, Conn. Pneumatic tire. 169,914, June 23.
Roberts, John, Honolulu, Hawaii. Lamp base. 169,790, June 2.
Robertshaw-Fulton Controls Company, assignee: *See*— Labe, Jacob.
Robeson Cutlery Company, Inc., assignee: *See*— Case, Emerson E.
Robinson, Albert P., Seattle, Wash. Front plate for a circulating fireplace heater. 170,242, Aug. 18.
Robinson, James M., L. J. Greshel, and D. A. Lewis, assignors to The North Electric Manufacturing Company, Galion, Ohio. Desk stand for a hand telephone. 171,105, Dec. 15.
Robinson, Percy W., Toledo, Ohio. Combined handkerchief box and tie rack. 169,563, May 12.
Robinson, William H., San Clemente, Calif. Wall planter. 169,519, May 5.
Robitschek, Frances, assignor of one-half to G. Robitschek, Los Angeles, Calif. Combined magnifier and tweezers. 170,945, Nov. 24.
Robitschek, George, assignee: *See*— Robitschek, Frances.
Robot Appliances Inc., assignee: *See*— Miller, Harold L.
Rocker, Elmer, Shaker Heights, Ohio. Telephone stand or similar article. 168,858, Feb. 17.
Rockmont Envelope Co., assignee: *See*— Hyman, Jerome.
Rockmore, Milton M., New Rochelle, N. Y. Flashlight. 169,393, Apr. 21.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,594, Jan. 6.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,764, Feb. 3.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 168,765, Feb. 3.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 170,028, July 14.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 170,478, Sept. 22.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 170,719, Oct. 27.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 170,720, Oct. 27.
Roeger, Richard E., Mayfield Heights, Ohio, assignor to Cleveland Instrument Company. Electronic comparator or the like. 170,511, Sept. 29.
Roessler, Howard L., Elgin, Ill. Molding strip. 170,286, Aug. 25.
Rogant, Humbert R., Willoughby, Ohio. Vehicle for golfers and the like. 170,834, Nov. 10.
Rogers, James K., Chicago, Ill. Automobile door handle and lock protective glove. 169,697, May 26.
Rogers, James K., Chicago, Ill. Automobile door handle and lock protective glove. 169,698, May 26.
Rogers, Phyllis M., Port Credit, Ontario, Canada. Hand cart. 170,137, Aug. 4.
Rohr Aircraft Corporation, assignee: *See*— Langer, Gustav.
Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Combination metal and plastic spectacle front. 170,386, Sept. 8.
Roman, John, Elizabeth, N. J. Tea bag holder. 169,394, Apr. 21.
Romrell, Clarence L., Portland, assignor to Sawyer's Inc., Progress, Oreg. Stereoscopic viewer. 171,049, Dec. 8.
Ronne, Finn, Glen Echo, Md. Ski pole ring. 169,823, June 9.
Ronson Art Metal Works, Inc., assignee: *See*— Kaupmann, Frederick. Nissen, Warren I.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Water sprinkling device or similar article. 168,595, Jan. 6.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Wastebasket or similar article. 170,138, Aug. 4.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. File box or similar article. 170,165, Aug. 11.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Mailbox or similar article. 170,166, Aug. 11.
Roper, Geo. D., Corporation, assignee: *See*— Stuman, Jack B.
Roper, Norman W., and W. O. Dodd, Jr., San Angelo, Tex. License plate attachment. 168,638, Jan. 13.
Rosary Hill College, assignee: *See*— Schutz, Raymond F.
Rosbro Plastics Corporation, assignee: *See*— Melaragno, Biagio P.

Rose, Ben, Highland Park, Ill. Textile fabric or similar article. 169,949, June 30.
Rose, Ben, Highland Park, Ill. Textile fabric or similar article. 170,479, Sept. 22.
Rosefield, John B., Piedmont, Calif. Bottle. 170,287, Aug. 25.
Rosen, Carl G. A., Peoria County, Ill. Neon tube advertising sign. 171,232, Dec. 29.
Rosen, Edward, Newark, N. J. Pair of spectacles or similar article. 168,911, Feb. 24.
Rosen, Martin, Flushing, N. Y. Gravy boat or the like. 170,167, Aug. 11.
Rosen, Martin, Flushing, N. Y. Gravy boat or the like. 171,050, Dec. 8.
Rosen, Zelda W., Chicago, Ill. Tablecloth crumb brush. 169,339, Apr. 14.
Rosen, Zelda W., Chicago, Ill. Tablecloth crumb brush. 169,340, Apr. 14.
Rosen, Zelda W., Chicago, Ill. Tablecloth crumb brush. 169,341, Apr. 14.
Rosenau Brothers, Inc., assignee: *See*— Tilhou, Barbara C.
Rosenbaum, Henry K., Jackson Heights, assignor to Waybell Mfg. Company, Inc., New York, N. Y. Combination bill and coin holder. 170,657, Oct. 20.
Rosenberg, Paul H., assignor to Reo Motors, Inc., Lansing, Mich. Coaster wagon wheel. 171,011, Dec. 1.
Rosenberg, Theodore, New Rochelle, and H. T. Silverman, Forest Hills, N. Y. Handbag. 168,968, Mar. 3.
Rosenberg, Theodore, New Rochelle, and H. T. Silverman, Forest Hills, N. Y. Handbag. 168,969, Mar. 3.
Rosenberg, Theodore, New Rochelle, and H. T. Silverman, Forest Hills, N. Y. Handbag. 170,769, Nov. 3.
Rosenblatt, Adolph, New York, N. Y. Snow suit. 169,342, Apr. 14.
Rosengarten, Sol: *See*— Friedman, Bernard, and Rosengarten.
Rosenmutter, Sam, Los Angeles, Calif. Awning. 168,970, Mar. 3.
Rosenthal, Harry, Peekskill, N. Y., assignor to Van Brode Milling Co., Inc., Clinton, Mass. Container unit for disinfectants, deodorants, insecticides, and the like. 170,770, Nov. 3.
Rosenthal, I., assignee. *See*— Kohl, Mack.
Rosenthal, William, assignor to Lynard of California, Inc., Culver City, Calif. Table lamp. 170,771, Nov. 3.
Rosenthal, William, assignor to Lynard of California, Inc., Culver City, Calif. Table lamp. 170,772, Nov. 3.
Rosenthal, William, assignor to Lynard of California, Inc., Culver City, Calif. Table lamp. 170,773, Nov. 3.
Rosenthal, William, assignor to Lynard of California, Inc., Culver City, Calif. Floor lamp. 170,774, Nov. 3.
Rosenthal, William, assignor to Lynard of California, Inc., Culver City, Calif. Table lamp. 171,051, Dec. 8.
Rosner, Leonard A., Great Neck, assignor to Even-Pul Foundations, Inc., New York, N. Y. Panty girdle. 170,721, Oct. 27.
Ross, Alexander, Flushing, N. Y. Purse light. 170,139, Aug. 4.
Ross, Lyall M., Balwyn, Victoria, Australia. Fruit bowl. 170,660, Oct. 20.
Ross, Lyall M., Balwyn, Victoria, Australia. Sandwich dish. 171,168, Dec. 22.
Ross Products, assignee: *See*— Sugita, Makoto.
Rosser, Neil K. G., Long Ditton, assignor to The Hadley Company Limited, Surbiton, England. Spectacle frame. 171,052, Dec. 8.
Rothenstein, Guy G., Jamaica, N. Y. Bathtub unit. 168,971, Mar. 3.
Rotthier, Henry, Rock Island, Ill. Smoking aspirator. 169,699, May 26.
Rowe, Leif A., assignor to Wm. Thoresen Company, Chicago, Ill. Watering pot. 169,700, May 26.
Rowe Manufacturing Co., Inc., assignee: *See*— Spilman, Raymond, Morrow, and Axel.
Rowell, Ralph M., Lynn, Mass., and R. B. Kerr, Jamestown, R. I., assignors to General Electric Company. Instrument case. 170,658, Oct. 20.
Royal China Inc., assignee: *See*— Miller, Beatrice L., and Parker. Parker, Gordon, and Miller.
Royal Electric Company, Inc., assignee: *See*— Riesman, Myer.
Royal, Lloyd D., Wichita Falls, Tex. Stool. 170,243, Aug. 18.
Royal Typewriter Company, Inc., assignee: *See*— Kloski, John F.
Rubel, Robert, New York, N. Y. Clasp device for a multiple strand bracelet or the like. 168,596, Jan. 6.
Rubin, Ben, Chicago, Ill. Combination lamp, clock, and plant holder. 168,656, Jan. 20.
Rubin, Ben, Chicago, Ill. Combination lamp, clock, and dual plant holder. 168,657, Jan. 20.
Rubin, Noah, New York, N. Y. Holder for beverage glasses. 168,713, Jan. 27.
Rubinstein, Helena, Inc., assignee: *See*— De Kolb, Eric.
Rudder, Treasure, San Francisco, Calif. Ship's course board. 171,053, Dec. 8.
Rude, Jack H. and M. E., Steele, Mo. Earring. 170,549, Oct. 6.
Rude, Mary E.: *See*— Rude, Jack H. and M. E.
Ruina, Irving: *See*— Abrahams, Howard, and Ruina.
Rumsey, John C., assignor of one-half to F. R. Vanderhoof, Lawrence, Kans. Nutcracker. 170,891, Nov. 17.
Ruskay, Everett S., Cedarhurst, assignor to Publix Shirt Corporation, New York, N. Y. Shirt. 168,859, Feb. 17.
Rusnak, William, Chicago, and W. G. Stoll, Evanston, assignors to Afco-Lite Corporation, Chicago, Ill. Brooder heater. 168,860, Feb. 17.
Rusnak, William, Chicago, and W. G. Stoll, Evanston, assignors to Afco-Lite Corporation, Chicago, Ill. Brooder heater. 169,701, May 26.
Russell, George F., Sherman Oaks, assignor to R. Schwarz, Jr., and W. H. Gottschalk, doing business as Falcon Plastic Products Mfg. Co., Culver City, Calif. Wall switch plate. 169,288, Apr. 7.
Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Pump handle. 168,658, Jan. 20.
Ryerson, Robert W., Chicago, Ill. Wheel cover. 168,977, Mar. 3.
Rylands, Joseph E., Lancashire, England. Toy airplane. 170,288, Aug. 25.
Rudin, Leo, Passaic, N. J. Bib or similar article. 170,430, Sept. 15.
Russell, Linus E., Springfield, Ohio. Pump. 170,387, Sept. 8.
S. A. F. F. A. Soc. P. Az. Fabriche Fiammiferi Ed Affini, assignee: *See*— Burton, Henry C.
Sabo, Frank J.: *See*— Secosky, John J., and Sabo.
Saccone, John V., Lodi, N. J., assignor to Drema Manufacturing Company, Inc. Expansible chain for a bracelet or the like. 168,597, Jan. 6.
Saccone, John V., Lodi, N. J. Link chain for a bracelet or similar article. 170,244, Aug. 18.
Saccone, John V., Lodi, N. J. Link chain for a bracelet or similar article. 170,245, Aug. 18.
Saccone, John V., Lodi, N. J., assignor to Swiss Watch Dial Co., Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 170,388, Sept. 8.
Sachar, Maison, New York, N. Y. Telescopic cigarette box. 171,054, Dec. 8.
Sacks, Irving, Brooklyn, N. Y. Combined food warmer and bun toaster. 170,480, Sept. 22.
Sadinoff, Max, New York, N. Y. Curtain fabric. 169,638, May 19.
Saenz, Oscar L., assignor to Vinewood Products, Inc., Los Angeles, Calif. Table. 170,550, Oct. 6.
Sager, Abraham G., Chicago, Ill. Finger ring. 170,722, Oct. 27.
Sager, Solomon M., Fort Wayne, Ind. Hat and coat hanger. 169,991, July 7.
St. Clair, Judy A., Fort Worth, Tex. Combined salad fork and knife. 169,830, June 9.
St. Clair, Melvin E.: *See*— Schwarz, Donald J., and St. Clair.
St. Clair, Melvin E., Hartford, assignor to Plax Corporation, West Hartford, Conn. Bottle. 169,642, May 19.
St. Clair, Theodore A., South Euclid, Ohio. Anhydrous ammonia control or similar article. 169,522, May 5.
St. Clair, Theodore A., South Euclid, and R. C. Krall, Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Pressure regulator or similar article. 168,641, Jan. 13.
Salm, Arthur, Inc., assignee: *See*— Bordelon, Sam H.
Salny, Roslyn W., Morristown, N. J. Stole. 170,340, Sept. 1.
Sametz, Louis, Westport, Conn. Skirt portion for a shuttlecock or similar article. 171,012, Dec. 1.
Samuel Stamping & Enameling Company, assignee: *See*— Agee, Charles W.
Sandberg, Harry O., Boston, Mass. Ruler. 169,226, Mar. 31.
Sandberg, Harry O., Boston, Mass. Pencil sharpener and the like. 170,029, July 14.
Sandborg, Theodore C., Los Angeles, Calif., assignor to Computer Research Corporation of California. Computer housing. 171,106, Dec. 15.
Sandin, Ray C. Northbrook, Ill., assignor to General Electric Company. Fryer unit or the like. 170,835, Nov. 10.
Sandin, Ray C., Oak Park, Ill., assignor to General Electric Company. Evaporator door for refrigerators or the like. 168,766, Feb. 3.
Sandler, Jacob, Boston, Mass. Shoe or similar article. 169,227, Mar. 31.
Sandler, Jacob, New York, N. Y. Shoe or similar article. 170,946, Nov. 24.
Sandwick, Luther M., New York, N. Y., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Audio visual unit. 169,824, June 9.
Sanford Products, Incorporated, assignee: *See*— Sanford, Roy S.
Sanford, Roy S., assignor to Sanford Products, Incorporated, Woodbury, Conn. Coffee table. 169,867, June 16.
Sani-Mist, Inc., assignee: *See*— Denyssen, Ivanhoe P.
Sanisco Display Company, The, assignee: *See*— Vetter, Gerhard J.

Sanson Hosiery Mills, Inc., assignee: *See*—
Hamilton, John.
Livingston, Cyril W.

Santner, John A., Skokie, assignor to Dodge, Inc., Chicago, Ill. Trophy or similar article. 168,598, Jan. 6.

Sapirstein, Mary, Bronx, N. Y. Wall pocket or the like. 168,809, Feb. 10.

Saporito, Dominic A., Royal Oak, Mich., assignor to United States Rubber Company, New York, N. Y. Plastic coated fabric or similar article. 170,775, Nov. 3.

Sarlo, Anthony, Fort Myers, Fla. Power mower. 168,767, Feb. 3.

Sarna, Sajjan S., New York, N. Y. Bell. 168,861, Feb. 17.

Sasieni, Abraham A., Edgware, assignor to Sasieni Ltd., London, England. Pipe stem. 170,067, July 21.

Sasieni Ltd., assignee: *See*—
Sasieni, Abraham A.

Sauer, Lloyd A., Milwaukee, Wis. Illuminable pylon. 170,030, July 14.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,702, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,703, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,704, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,705, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,706, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,707, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,708, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,709, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,710, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,711, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,712, May 26.

Sauer, Margaret, Shaker Heights, Ohio, and H. Schmidt, New York, N. Y. Handkerchief or the like. 169,713, May 26.

Saunderson, William: *See*—
Collins, Robert C., and Saunderson.

Sauze, S. A., assignee: *See*—
Dujoncquoy, Louis L.

Sawle, William S., III, Evanston, Ill. Lamp base. 168,862, Feb. 17.

Sawyer's Inc., assignee: *See*—
Romrell, Clarence L.

Sbicca, Arthur, Los Angeles County, Calif. Sandal. 169,015, Mar. 10.

Scalf, William D., Barbourville, Ky. Condiment holder. 168,863, Feb. 17.

Schaefer, William B., Cincinnati, Ohio. Combined coat hanger and brush. 168,912, Feb. 24.

Schaeffer, Fred L.: *See*—
Morris, Alice M., and Schaeffer.

Schaible, Grover C., Westfield, assignor to Pyro Plastics Corporation, Union, N. J. Toy pistol. 168,972, Mar. 3.

Schaible, Grover C., Westfield, assignor to Pyro Plastics Corporation, Union, N. J. Toy gun. 170,168, Aug. 11.

Schell, Burt E., Jr., Mundelein, assignor to Shure Brothers, Incorporated, Chicago, Ill. Microphone. 171,055, Dec. 8.

Schenck, Evaline L., Columbus, Ohio. Ring or the like. 170,341, Sept. 1.

Schenley Import Corporation, assignee: *See*—
Du Pree, Ernest L.

Scheppele, Clyde A., Las Vegas, Nev. Child's vehicle. 170,947, Nov. 24.

Schiaparelli, Elsa, Paris, France. Pair of eyeglasses or similar article. 171,056, Dec. 8.

Schick Incorporated, assignee: *See*—
Otto, Carl L.

Schigas, Joseph J., Erie, Pa., assignor to Louis Marx & Co., Inc., New York, N. Y. Upright spiral rolling ball skill game apparatus. 170,948, Nov. 24.

Schildkraut, Eugene, Great Neck, N. Y. Combined money clip and stamp holder. 169,825, June 9.

Schimmel, Madalyn M., Los Angeles, Calif. Shaped textile fabric. 169,992, July 7.

Schimmel, Madalyn M., Los Angeles, Calif. Shaped textile fabric. 170,068, July 21.

Schindele, Dorothy, Los Angeles, Calif. Desk. 170,031, July 14.

Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Door closer. 170,949, Nov. 24.

Schlage Lock Company, assignee: *See*—
Kendrick, Marron.
Schlage, Ernest L.

Schlegelmilch, Bernard R., Ann Arbor, Mich. Game board. 169,395, Apr. 21.

Schlesinger, Harry, New York, N. Y. Plastic sheeting or similar article. 168,768, Feb. 3.

Schletter, Richard E., assignee: *See*—
Mueller, Walter.

Schlichtmann, Walter H., San Francisco, Calif. Pneumatic tire. 168,714, Jan. 27.

Schmidt, Fredrick W., Haworth, N. J., assignor to L. Obstfeld, Brooklyn, and A. Obstfeld, New York, N. Y. Staple driving machine. 171,057, Dec. 8.

Schmidt, George A., Southfield Township, Oakland County, Mich. Artificial fish bait. 169,826, June 9.

Schmidt, Herman: *See*—
Sauer, Margaret, and Schmidt.

Schmitt, Edward W., Cincinnati, Ohio. Combination sink and cabinet unit. 170,094, July 28.

Schnall, Murray: *See*—
Murphy, Joseph E., and Schnall.

Schneeloch, Paul, New York, N. Y. Plate. 170,551, Oct. 6.

Schneider, Seymour, Astoria, N. Y. Name plate. 168,864, Feb. 17.

Schnur, Martin, Newark, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 170,481, Sept. 22.

Schoenfeld, Joseph, San Diego, Calif. Carving aid fork. 169,827, June 9.

Schoepe, Adolf, Fullerton, assignor to Kwikset Locks, Inc., Anaheim, Calif. Instrument for locating holes for door locks. 170,836, Nov. 10.

Schoenwald, Alexander, assignor to P. Wall Mfg. Company, Grove City, Pa. Combined holder and handle for electric soldering irons and the like. 170,892, Nov. 17.

Scholle, Charles F., Darien, Conn., assignor to Desley Fabrics, Division of J. H. Thorp and Co. Inc., New York, N. Y. Textile fabric or similar article. 169,915, June 23.

Schotland, Murray, New York, N. Y. Combination tooth brush and casing therefor. 170,095, July 28.

Schott, Howard H., St. Paul, Minn., assignor to General Mills, Inc. Household food mixer. 169,791, June 2.

Schreckengost, Viktor: *See*—
O'Brien, Richard C., and Schreckengost.

Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Juvenile tractor. 169,639, May 19.

Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Juvenile tractor vehicle. 169,640, May 19.

Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Bicycle frame. 170,169, Aug. 11.

Schroeder, Henry H., Jr., Essex Fells, assignor to Specialties Development Corporation, Belleville, N. J. Portable fire extinguisher or similar article. 169,641, May 19.

Schultz, Abraham Y., University City, Mo. Bottle. 168,865, Feb. 17.

Schultz, Abraham Y., University City, Mo. Bottle. 170,170, Aug. 11.

Schultz, Edward H., Jr., assignor to The Nagel-Chase Manufacturing Company, Chicago, Ill. Caster bracket. 169,564, May 12.

Schultz, K. E., assignee: *See*—
Raymond, Arthur.

Schutter, George M., West Newton, and R. G. Young, Jr., Beverly, assignors to Scully Signal Company, Cambridge, Mass. Nozzle for dispensing fluids. 169,289, Apr. 7.

Schutz, Raymond F., assignor to Rosary Hill College, Buffalo, N. Y. Spectacle front. 171,107, Dec. 15.

Schutz, Raymond F., assignor to Rosary Hill College, Buffalo, N. Y. Spectacle front. 171,108, Dec. 15.

Schutz, Raymond F., assignor to Rosary Hill College, Buffalo, N. Y. Spectacle front. 171,109, Dec. 15.

Schwartz, Albert, assignor to Globe Rubber Products Corporation, Philadelphia, Pa. Rubber mat. 168,639, Jan. 13.

Schwartz, Bertram, Croton-on-Hudson, N. Y. Jeweled lipstick case. 169,714, May 26.

Schwartz, Daniel M., assignor to The Elmco Corporation, Salt Lake City, Utah. Motor-transmission unit. 171,013, Dec. 1.

Schwartz, Edwin L.: *See*—
Frees, David, and Schwartz.

Schwartz, Morris, and W. Castedello, Plainville, assignors to The Kalart Company Inc., Stamford, Conn. Photographic camera. 170,032, July 14.

Schwartz, Sidney, assignor to Bantam-Lite, Inc., New York, N. Y. Combination key chain and pocket flashlight or similar article. 169,109, Mar. 24.

Schwartz, Stanley M., assignor to R. Weinstein, Los Angeles, Calif. Table or similar article. 169,868, June 16.

Schwarz, Donald J., Cincinnati, Ohio, and M. E. St. Clair, Hartford, assignors to Plax Corporation, West Hartford, Conn. Combined plastic bottle and cap therefor. 169,520, May 5.

Schwarz, Ernest G., Forest Hills, N. Y. Wrist watch case or similar article. 169,457, Apr. 28.

Schwarz, Robert, Jr., assignee: *See*—
Russell, George F.

Schweighofer, Horst M.: *See*—
Collins, Arthur A., and Schweighofer.

Scott, Bryon E., St. Paul, Minn. Building brick. 168,599, Jan. 6.

Scripto, Inc., assignee: *See*—
Lovejoy, Charles K.

Scully Signal Company, assignee: *See*—
Schutter, George M., and Young.

Sears, Roebuck and Co., assignee: *See*—
Aasland, Byron T., Bloom, and Zink.
Egan, Philip S.
Folden, Clarence L.
Lindgren, William, Jr.

Sebel, David, London, England. Child's bicycle. 170,610, Oct. 13.

Sebrell, Lorin B., assignor to International Latex Corporation, Dover, Del. Glove. 169,047, Mar. 17.

Seco Company, Inc., assignee: *See*—
Towns, Clifford C.

Secosky, John J., and F. J. Sabo, United, Pa. Sun tanning shirt. 170,723, Oct. 27.

Sedlacek, Karl E., Los Angeles, Calif. Dress. 169,016, Mar. 10.

Sedgwick, Robert K., Cincinnati, Ohio, assignor to American Steel Foundries, Chicago, Ill. Hydraulic press. 170,512, Sept. 29.

Seeber, Clarence, Toledo, Ohio. Separable fish scaling clamp or similar article. 168,600, Jan. 6.

Seeger Refrigerator Company, assignee: *See*—
Ferar, Montgomery.

See-Qual Package Corp., assignee: *See*—
Murphy, Joseph E., and Schnall.

Selden, Herman L., Chicago, Ill. Combined light bar and camera mount. 170,096, July 28.

Sekerdy, Alex, Richmond, Va. Haircutting guide. 169,108, Mar. 24.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie, New York, N. Y. Brooch or similar article. 169,458, Apr. 28.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie, New York, N. Y. Brooch or similar article. 169,459, Apr. 28.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Necklace or similar article. 169,828, June 9.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Brooch or similar article. 170,661, Oct. 20.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie, New York, N. Y. Necklace or similar article. 170,837, Nov. 10.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Clip or similar article. 170,950, Nov. 24.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Brooch or similar article. 171,058, Dec. 8.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Earring or similar article. 171,059, Dec. 8.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Brooch or similar article. 171,060, Dec. 8.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Brooch or similar article. 171,061, Dec. 8.

Semensohn, Raymonde, assignor to Marcel Boucher et Cie., New York, N. Y. Necklace or similar article. 171,233, Dec. 29.

Seneca Glass Company, assignee: *See*—
Stenger, Louis W.

Servatius, Richard A.: *See*—
Breh, Dorothy M., and Servatius.

Servel, Inc., assignee: *See*—
Chuboff, David P.
Dailey, Donald E.

Service Metal Fabricators, Inc., assignee: *See*—
Vani, James, and Malpede.

Seyfried, Arthur W., and P. W. Lahr, Racine, Wis. Drink mixer. 169,829, June 9.

Shakespeare Company, assignee: *See*—
Shakespeare, Henry G., and Harrington.

Shakespeare, Henry G., and G. D. Harrington, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 170,389, Sept. 8.

Shampaine Company, assignee: *See*—
Claus, Earl W.

Shannon, Harold S., Grosse Pointe Woods, Mich., assignor to Mead Mill Company. Mobile grinding mill. 169,048, Mar. 17.

Shapiro, Charles, assignor to Shapiro & Son Curtain Corp., New York, N. Y. Bedspread or similar article. 169,869, June 16.

Shapiro, Charles, assignor to Shapiro & Son Curtain Corp., New York, N. Y. Bedspread or similar article. 169,870, June 16.

Shapiro & Son Curtain Corp., assignee: *See*—
Shapiro, Charles.

Sharp, John S., Lido Beach, N. Y. Combined window, handle, and push plate for a door. 170,611, Oct. 13.

Shaw & Slavsky, Inc., assignee: *See*—
Slavsky, Robert J.

Sheldon, Charles W., Lancaster County, Pa. Desk clock. 170,069, July 21.

Shepler, James T., North Hollywood, Calif. Service man's chest. 170,612, Oct. 13.

Sherman, Rubin, Lowell, Mass. Child's shoe. 170,552, Oct. 6.

Sherry, Peter P.: *See*—
Corrigan, John T., and Sherry.

Shirley, Alton L., Cranston, R. I. Address container. 171,110, Dec. 15.

Sholkin, Joseph L., Newton, Mass., assignor to Beacon Plastics Corporation. Egg container for refrigerators. 168,810, Feb. 10.

Short Brothers & Harland Limited, assignee: *See*—
Lundy, Arthur J.

Shuler, Clyde: *See*—
Medlar, Lewis A., and Shuler.

Shure Brothers, Incorporated, assignee: *See*—
Schell, Burt E., Jr.

Shuron Optical Company, Inc., assignee: *See*—
Rohrbach, John J.

Shwayder Brothers, assignee: *See*—
Wright, Russel.

Sibley, Iris G., New Hope, Pa. Lady's head covering. 170,951, Nov. 24.

Sidney Ringler Fur Co., Inc., assignee: *See*—
Ringler, Sidney.

Sieling, Edward H., Chicago, Ill. Liquid dispenser. 169,793, June 2.

Siewert, Oliver R.: *See*—
Lausman, Walter, and Siewert.

Silver, Martin, and E. M. Bradburd, Fairlawn, and R. B. Lewthwaite, River Edge, assignors to Federal Telecommunication Laboratories, Inc., Nutley, N. J. Television broadcast transmitter. 170,070, July 21.

Silveri, Anthony M.: *See*—
Hayman, Larry H., and Silveri.

Silverman, Harry T.: *See*—
Rosenberg, Theodore, and Silverman.

Silverman, Rudolph J., Highland Park, Ill. Combined desk and seat unit. 168,659, Jan. 20.

Silvestri, Eli, Pittsburgh, Pa. Lamp base. 170,553, Oct. 6.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Camera. 169,343, Apr. 14.

Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.

Simmons, Ruth D., Los Angeles, Calif. Manicure implement. 170,662, Oct. 20.

Simon, Henriette, New York, N. Y. Shoe or the like. 170,513, Sept. 29.

Simons, Ralph J., Allison Park, Pa. Wall attached vaporizer for insecticides. 169,110, Mar. 24.

Simpson, Paul F., Washington, assignor to The Autoyre Company, Oakville, Conn. Bracket for toilet tissue holders. 170,097, July 28.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel trim or similar article. 170,952, Nov. 24.

Singer Manufacturing Company, The, assignee: *See*—
Park, Malcolm S.

Sinko, John, Oak Park, Ill., assignor to Sinko Mfg. & Tool Co. Wind deflector for an automobile. 170,482, Sept. 22.

Sinko Mfg. & Tool Co., assignee: *See*—
Sinko, John.

Sivacek, Emil E., assignor to King-Seeley Corporation, Ann Arbor, Mich. Corn popper. 169,565, May 12.

Skil Corporation, assignee: *See*—
Nystrom, Walter A.

Skipp, Kenneth V., London, England. Combined drinking cup and guard ring. 170,289, Aug. 25.

Sklavenitis, William, Geneva, Ill. Comb. 169,792, June 2.

Skwark, Marion E., Binghamton, N. Y. Venetian blind cover. 170,342, Sept. 1.

Slaton, Leo R., assignor to Swiss Harmony Inc., Chicago, Ill. Dispenser for cigarettes and the like. 171,014, Dec. 1.

Slavsky, Robert J., assignor to Shaw & Slavsky, Inc., Detroit, Mich. Price tag. 171,111, Dec. 15.

Sloan, Harry, St. Louis, Mo. Reclining chair. 169,228, Mar. 31.

Slotsky, Morris S.: *See*—
Brill, Harold A., and Slotsky.

Smith, Byrle W., Chicago, Ill. Egg holder. 170,663, Oct. 20.

Smith, Charles E., Reading, Pa. Grass shears or similar article. 168,660, Jan. 20.

Smith, Charles L., Athens, assignor to Ohio Sesquicentennial Commission, Columbus, Ohio. Applique emblem or similar article. 168,640, Jan. 13.

Smith, David C., and W. Livingston, Denver, Colo. Fountain cabinet unit. 168,661, Jan. 20.

Smith, Edward W., Naval Base, S. C. Fishing plug. 171,062, Dec. 8.

Smith, Frasier, Elm Grove, W. Va., assignor to The Kiwi Polish Company Proprietary Limited, Richmond, near Melbourne, Victoria, Australia. Bottle. 169,111, Mar. 24.

Smith, French E., Akron, assignor to Imperial Glass Corporation, Bellaire, Ohio. Tumbler or similar article. 170,390, Sept. 8.

Smith, George J.: *See*—
White, Earl E., and Smith.

Smith, Lee, Ludington, Mich. Over-bed table. 169,460, Apr. 28.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Awning. 169,993, July 7.

Sneed, John, Detroit, Mich. Hood ornament or similar article for a motor vehicle. 169,290, Apr. 7.
Snyder, Austin B., assignor to Owens Brush Company, Toledo, Ohio. Hairbrush or similar article. 168,913, Feb. 24.
Snyder, Austin B., assignor to Owens Brush Company, Toledo, Ohio. Hairbrush or similar article. 168,914, Feb. 24.
Snyder, Austin B., assignor to Owens Brush Company, Toledo, Ohio. Hairbrush or similar article. 168,915, Feb. 24.
Snyder, Austin B., assignor to Owens Brush Company, Toledo, Ohio. Hairbrush or similar article. 168,916, Feb. 24.
Snyder, Austin B., assignor to Owens Brush Company, Toledo, Ohio. Hairbrush or similar article. 168,917, Feb. 24.
Sobeck, Harold R., Novelty, assignor to Air-Maze Corporation, Cleveland, Ohio. Combined filter and manifold for internal-combustion engines. 170,776, Nov. 3.
Society "Bernard-Moteurs," S. A., assignee: *See*— Bernard, Jacques.
Soffer, Jack W., St. Louis, Mo., and G. S. Hunt, Pacific Palisades, Calif., assignors to Development Research, Inc., St. Louis, Mo. Closure cap for steel cans or similar articles. 169,994, July 7.
Sollomi, Phillip A., Kansas City, Mo. Bottle or similar article. 169,344, Apr. 14.
So-Lo Works Incorporated, assignee: *See*— Hausfeld, Betty A., and E. M. and J. J. Marx.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Sound translating machine. 169,566, May 12.
Sova, Clarence, Windsor, Ontario, Canada. Tie rack. 168,973, Mar. 3.
Spaniol, Philip F., Baltimore, Md. Preformed necktie. 170,246, Aug. 18.
Spanvill, Angelo, Brooklyn, N. Y. Flying disk kite. 169,291, Apr. 7.
Spatz, Walter B., Los Angeles, assignor to Frawley Corporation, Culver City, Calif. Ball-point pen or the like. 168,715, Jan. 27.
Spaulding, Joseph H., Lakeside Park, Ky. Fluorescent lighting fixture. 168,974, Mar. 3.
Spear, Howard F., Greenview, Ill. Bowling game device. 170,664, Oct. 20.
Specialties Development Corporation, assignee: *See*— Schroeder, Henry H., Jr.
Speck, Kurt: *See*— Hajos, Joseph L., and Speck.
Speer, Harold L. and M. K., Santa Cruz, Calif. Illuminable shadow box or similar article. 169,871, June 16.
Speer, Marcherette K.: *See*— Speer, Harold L. and M. K.
Speers, Samuel F., Providence, R. I., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 168,716, Jan. 27.
Speers, Samuel F., Providence, R. I., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 168,717, Jan. 27.
Speers, Samuel F., Providence, R. I., assignor to Evans Case Co., North Attleboro, Mass. Table lighter. 170,838, Nov. 10.
Speidel Corporation, assignee: *See*— Augenstein, Karl C.
Spence, Edmund J., New York, N. Y., assignor to Charlton Company, Inc., Fitchburg, Mass. Combination sofa and bed. 170,665, Oct. 20.
Spencer, Julie R., Denver, Colo. Pair of spectacles. 170,033, July 14.
Spilman, Raymond, Bronxville, N. Y., A. R. Morrow, Newton, N. J., and E. Axel Cleveland, Ohio, assignors to Rowe Manufacturing Co., Inc., Whippany, N. J. Cigarette merchandising machine cabinet. 170,893, Nov. 17.
Sponge Rubber Products Company, The, assignee: *See*— Pannone, Lester.
Springer, Raymond L., Cincinnati, Ohio. Pin-up lamp. 168,718, Jan. 27.
Squarcio, Joseph G., Denver, Colo. Crayon sharpener or the like. 170,554, Oct. 6.
Square Manufacturing Company, assignee: *See*— Nelson, Erdick.
Squeezit Corporation, assignee: *See*— Guttman, John F.
Stack, Cedric C., Elwood, Ind. Frame of an outdoor baby seat. 170,613, Oct. 13.
Stahl, Gerald, Rye, N. Y., assignor to The Stanley Works, New Britain, Conn. Combination door knocker and pull. 170,724, Oct. 27.
Stahl, Gerald, Rye, N. Y., assignor to The Stanley Works, New Britain, Conn. Hinge. 170,725, Oct. 27.
Stahl, Gerald, Rye, N. Y., assignor to The Stanley Works, New Britain, Conn. Bar latch. 170,726, Oct. 27.
Standard-Thomson Corporation, assignee: *See*— Hummert, Robert H.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Corner sink. 170,727, Oct. 27.
Stanley Home Products, Inc., assignee: *See*— Griggs, Sally L. McNair, Samuel L.
Stanley Works, The, assignee: *See*— Stahl, Gerald.
Starek, Louise V., Parma, Ohio. Driver's glove. 171,063, Dec. 8.
Stava, Robert J., assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Ceiling mounted hanger for X-ray tubes. 170,483, Sept. 22.
St. Clair, Melvin E.: *See*— Vuillemenot, Robert P., and St. Clair.
Steadman, Audrey H., Anniston, Ala., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 169,567, May 12.
Steadman, John C., Jacobsburg, Ohio, assignor to L. D. Curtis, McMechen, W. Va. Wire spacing device. 170,555, Oct. 6.
Stedman, Cresswell E.; *See*— Gulick, Harold M., and Stedman.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Front for spectacle frames. 169,995, July 7.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle case. 170,343, Sept. 1.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle front. 171,112, Dec. 15.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Diagnostic instrument head. 171,169, Dec. 22.
Steig, William, New York, N. Y. Gaming device. 168,811, Feb. 10.
Steiner, Ernest, New York, N. Y. Ring. 168,769, Feb. 3.
Steiner, Ernest, New York, N. Y. Clip-on lapel flower holder. 168,770, Feb. 3.
Steiner, Harry, New York, assignor to Corde De Parle Corset Co., Inc., Brooklyn, N. Y. Girdle. 168,866, Feb. 17.
Steinhilber, J. Budd, assignee: *See*— Viemeister, Read.
Steir, Max, Yonkers, and M. M. Hauben, New York, N. Y. Instrument panel. 169,112, Mar. 24.
Stenger, Louis W., assignor to Seneca Glass Company, Morgantown, W. Va. Glass. 170,666, Oct. 20.
Stensgaard, W. L., and Associates, Inc., assignee: *See*— La Barre, Ernoll W. Wells, Millard F.
Sterling, Florence J., assignor to Sterling-Freeland Industries Inc., Chicago, Ill. Cabinet. 170,556, Oct. 6.
Sterling-Freeland Industries Inc., assignee: *See*— Sterling, Florence J.
Sterling Studios Inc., assignee: *See*— Swede, Hilda.
Stern, Alfred: *See*— Harwin, Dixon R., Stern, and Bodle.
Sterno, Inc., assignee: *See*— O'Connell, Daniel C.
Sterns, Allen M.: *See*— Wasserman, Sidney, and Sterns.
Stevens, Clifford B.: *See*— Newman, Frederick H., Jr., and Stevens.
Stevens, Clifford B., Milwaukee, Wis. Automobile. 170,171, Aug. 11.
Stevens, Clifford B., Milwaukee, Wis., assignor to The Formica Company. Sheet of decorative material or the like. 171,015, Dec. 1.
Stevens, Helen M., New York, N. Y. Combined bed cover support and health board. 169,916, June 23.
Stevens, J. & E., Sales Company, The, assignee: *See*— Maywald, Frederick J.
Stevenson, Harry L.: *See*— Clement, Melville W., and Stevenson.
Stewart, R. A., & Company, Inc., assignee: *See*— Felix, O'Hal.
Stier, Joseph B., New York, N. Y. Fork or similar article. 169,292, Apr. 7.
Stier, Joseph B., New York, N. Y. Bowl or similar article. 169,568, May 12.
Stiffel Company, The, assignee: *See*— Cole, Edwin I.
Stiller, Arnold, Elwood, near Melbourne, Victoria, Australia. Lamp. 171,016, Dec. 1.
Stillman, Isadore, Philadelphia, Pa. Stocking. 168,978, Mar. 3.
Stillman, Isadore, Philadelphia, Pa. Stocking. 170,290, Aug. 25.
Stirbis, Alexander P., and A. R. Patrick, Jr., Chicago, Ill. Electric heater. 169,396, Apr. 21.
Stoesser, Fred, Madison, assignor to Frank Krementz Company, Newark, N. J. Spectacle frame. 168,918, Feb. 24.
Stoffel, Hans F., Scarsdale, N. Y. Seal. 168,867, Feb. 17.
Stoll, Wilbert G.: *See*— Rusnak, William, and Stoll.
Stolz, William J., and A. Glassenhart, Phoenix, Ariz. Automobile air cooler. 170,431, Sept. 15.
Stonberg, Samuel, Philadelphia, Pa. Jewelry pendant or similar article. 170,667, Oct. 20.
Stone, Gerald S., Scarsdale, N. Y., assignor to Johnson Bros. (Hanley) Limited, Hanley, Stoke-on-Trent, England. Plate or similar article. 168,975, Mar. 3.
Stone, Natalie G., assignee: *See*— Wilcher, Abrasha.
Stone, Philip G., Newark, N. J. Clamp light or similar article. 169,293, Apr. 7.

Stone, Philip G., Newark, N. J. Spotlight or similar article. 170,034, July 14.
Storck, Gail A.: *See*— Cooper, Bertrand M., Parkison, and Storck.
Storts, Robert K., Waterford, Wis. Motor vehicle computer. 168,976, Mar. 3.
Story & Clark Piano Company, assignee: *See*— Palma, Joseph, Jr.
Stout, Thorne F., Dayton, Ohio. Toy airplane. 169,715, May 26.
Stowell, Evelyn L., Garden City, Mich. Miniature toy bassinet. 169,917, June 23.
Strasmyer, Robert H.: *See*— Gannett, Joseph K., and Strasmyer.
Strathmeyer, Richard D., Springfield, Pa. Ring. 169,569, May 12.
Straw, Richard F., assignor to The Howe Scale Company, Rutland, Vt. Weighing scale. 169,397, Apr. 21.
Street, Viola, Denver, Colo. Rain cape. 169,017, Mar. 10.
Streb, Stephen A., Rochester, N. Y. Game board. 168,868, Feb. 17.
Streck, Harry W.: *See*— Florian, Gordon W., Streck, and Kelsey.
Stromberg-Carlson Company, assignee: *See*— Martin, Leslie G.
Strong, Edward W., Stony Brook, assignor to Gyrodyne Company of America, Inc., Flowerfield, N. Y. Rotary wing aircraft. 170,247, Aug. 18.
Stuman, Jack B., assignor to Geo. D. Roper Corporation, Rockford, Ill. Escutcheon plate for a stove or range. 171,170, Dec. 22.
Suess, Herbert M., Rockledge, Pa. Stocking. 169,950, June 30.
Sugita, Makoto, Itchikawa City, Japan, assignor to Ross Products, New York, N. Y. Pop-up figure toy. 171,234, Dec. 29.
Suma, Arthur R., Sr., Chicago, Ill. Pair of spectacles. 171,171, Dec. 22.
Sunbeam Corporation, assignee: *See*— Jepson, Ivar.
Sundberg & Ferar, assignee: *See*— Sundberg, Carl W.
Sundberg, Carl W.: *See*— Kress, George H., and Sundberg.
Sundberg, Carl W., Birmingham, assignor to Whirlpool Corporation, St. Joseph, Mich. Washing machine or similar article. 169,113, Mar. 24.
Sundberg, Carl W., Birmingham, assignor to Sundberg & Ferar, Royal Oak, Mich., Wheel ornament for motor vehicles. 170,248, Aug. 18.
Sundberg, Carl W., Birmingham, assignor to Sundberg & Ferar, Royal Oak, Mich., Wheel ornament for motor vehicles. 170,249, Aug. 18.
Super Mold Corporation of California, assignee: *See*— Beckman, George O.
Superdisplay Incorporated, assignee: *See*— Newman, Frederick H., Jr., and Stevens.
Superior Plastics Inc., assignee: *See*— Gast, George. McGee, Paul D.
Superior Switchboard & Devices Company, assignee: *See*— Murphy, Robert D.
Svic, Echo E., Wauwatosa, Wis. Wall stand. 170,894, Nov. 17.
Swan, Frank M., Kansas City, Mo. Game board. 171,113, Dec. 15.
Swan, Harold A., Coronado, Calif. Combined blotter and stamp box. 170,557, Oct. 6.
Swan, Harold A., Coronado, Calif. Combined blotter and ash tray. 170,558, Oct. 6.
Swanson, Everett A., Naval Base, S. C. Corner table or the like. 168,601, Jan. 6.
Swanson, Everett A., Naval Base, S. C. Corner table. 168,602, Jan. 6.
Swanson, Keith N., Santa Barbara, Calif. Magazine rack. 170,098, July 28.
Swanson, Kenneth L., assignor to New Holland Feed and Farm Supply Company, New Holland, Ohio. Calf feeder or similar article. 168,771, Feb. 3.
Swede, Hilda, Bronx, assignor to Sterling Studios Inc., New York, N. Y. Combined floor lamp and book support. 171,172, Dec. 22.
Swiss Harmony Inc., assignee: *See*— Slaton, Leo R.
Swiss Watch Dial Co., Inc., assignee: *See*— Saccone, John V.
Sydell Manufacturing, Incorporated, assignee: *See*— Croft, Sidney F., Jr.
Taller, Peter, New York, N. Y. Clock or similar article. 170,391, Sept. 8.
Tait, George C., Schillington, Pa. Stocking. 169,918, June 23.
Tait, George C., Wyomissing, assignor to Millway Knitting Mill, Inc., Millway, Pa. Stocking. 168,662, Jan. 20.
Tait, Marie, Bloomingdale, N. J. Dress. 170,895, Nov. 17.
Tait, Marie, Bloomingdale, N. J. Jacket. 171,235, Dec. 29.
Tait, Marie, Bloomingdale, N. J. Dress. 171,236, Dec. 29.
Tait, William, Wyomissing, Pa. Stocking. 169,919, June 23.
Talge, Foster L., assignee: *See*— Orr, Matthew F.
Talge, Henry J., assignee: *See*— Orr, Matthew F.
Talge, Henry J., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Sole plate for an electric iron. 170,291, Aug. 25.
Talon, Inc., assignee: *See*— Carille, Alfred E. Gorth, Henry F. Murray, Irene M. Tuteur, Marianne.
Tama, Mario, Morrisville, Pa., assignor to Ajax Engineering Corporation. Combined holding furnace and automatic pouring unit. 169,951, June 30.
Tapley, Mildred M., Wellesley Hills, Mass. Hat. 171,173, Dec. 22.
Taraborelli, Albert T., Providence, R. I. Rug. 171,064, Dec. 8.
Tavolazzi & Fumagalli, assignee: *See*— Tavolazzi, Giuseppe.
Tavolazzi, Giuseppe, Como, assignor to Tavolazzi & Fumagalli, Milan, Italy. Double toolbox. 170,728, Oct. 27.
Taylor, Fran, Canal Winchester, assignor to Gay Fad Studios Company, Lancaster, Ohio. Tumbler or similar article. 170,099, July 28.
Taylor, James Y., Garland, Tex. Projection apparatus. 170,344, Sept. 1.
Taylor, William F., Philadelphia, Pa. Tea bag strainer. 170,484, Sept. 22.
Teague, James, Chicago, Ill., assignor to White Magic Freezer Company. Refrigerator-type ice-cream freezer. 171,174, Dec. 22.
Teague, Walter D.: *See*— Lauterbach, Norman E., and Teague.
Teamakers, Inc., assignee: *See*— Newman, Charles H., and Hvale.
Technical Porcelain and Chinaware Co., assignee: *See*— Richardson, William C.
Tefft, Raymond A.: *See*— Murray, Burton L., Tefft, and Hubby.
Telectro Industries Corp., assignee: *See*— Zapolski, Benjamin J.
Tell, Marian M., Vallejo, Calif. Combination deep freezer and buffet unit. 168,603, Jan. 6.
Temco, Inc., assignee: *See*— Bourner, Howard L.
Terzia, Fensky C., Jr., and M. A. Terzia, Monroe, La. Infant feeding chair. 619,398, Apr. 21.
Terzia, Mary A.: *See*— Terzia, Fensky C., Jr., and M. A.
Thatcher Glass Manufacturing Company, Inc., assignee: *See*— York, Raymond R.
Thober, Carl A., assignor to J. Wiss & Sons Co., Newark, N. J. Pipe cutter. 169,114, Mar. 24.
Thomas, Roger P., Pittsburgh, Pa. Game board. 168,719, Jan. 27.
Thompson, James L., North Little Rock, Ark. Polishing machine. 170,559, Oct. 6.
Thompson, Louis, Bandera, Tex. Tableware tray. 169,952, June 30.
Thomson, Clytie A., Roanoke, Va. Vanity bench or similar article. 170,614, Oct. 13.
Thonet Industries, Inc., assignee: *See*— Adkinson, Joseph E.
Thoresen, Wm., Company, assignee: *See*— Rowe, Leif A.
Thropp, William R., & Sons Corp., assignee: *See*— Bates, Luther K.
Tierney, Thomas V., Belleville, and S. Gaccione, Nutley, N. J. Holder for sewing accessories. 170,668, Oct. 20.
Tietje, Helmut G., Cresskill, N. J., assignor to Columbia Protektosite Company, Inc. Pair of goggles. 170,729, Oct. 27.
Tietje, Helmut G., Cresskill, N. J., assignor to Columbia Protektosite Company, Inc. Pair of goggles. 170,730, Oct. 27.
Tilhou, Barbara C., Philadelphia, Pa., assignor to Rosenau Brothers, Inc. Dress. 170,731, Oct. 27.
Tilley, Faby G., Winston-Salem, N. C. Stool. 169,461, Apr. 28.
Titus Incorporated, assignee: *See*— Averill, Eugene F.
Tober, Allan H., Snyder, assignor to Allan Herschell Co., Inc., North Tonowanda, N. Y. Amusement ride car. 169,229, Mar. 31.
Tobler, Hans, Teaneck, N. J. Appliqué emblem or the like. 168,869, Feb. 17.
Tobler, Hans, Teaneck, N. J. Applique emblem or the like. 168,979, Mar. 3.
Toledo Scale Company, assignee: *See*— Little, John M.
Tomlinson, David, Los Angeles, assignor to H. M. Blumeno, Santa Monica, and M. L. Reskin, Culver City, Calif. Ash tray. 171,237, Dec. 29.
Toro Manufacturing Corporation of Minnesota, assignee: *See*— Butler, Charles W.
Torsak, Francis, Los Angeles, Calif. Convertible ottoman and back rest unit. 170,100, July 28.
Tousignan, Eugene J.: *See*— Jacobson, Joel M., Barr, and Tousignan.
Tower Fabrics Co. Inc., assignee: *See*— Girz, Rudolf.
Towle, Frederick G.: *See*— Gardner, Bryant H., and Towle.

Towle Manufacturing Company, assignee: *See*—
Noyes, Marion A.
Pollard, Ross F.

Towns, Clifford C., Richmond Heights, assignor to Seco Company, Inc., St. Louis, Mo. Serving tray. 171,065, Dec. 8.

Toymaster Products Co., Inc., assignee: *See*—
Beethoven, Albert E.

Trans World Airlines, Inc., assignee: *See*—
Cooper, Bertrand M., Parkison, and Storck.

Transion Company, assignee: *See*—
Jones, Charles E.

Trautvetter, George, Jenkintown, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Television console cabinet. 170,292, Aug. 25.

Tree, Charles, Racine, Wis. Milling machine. 170,560, Oct. 6.

Treptow, Frederick W., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switchboard. 168,663, Jan. 20.

Tricraft Products Co., assignee: *See*—
Kohl, Mack.

Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.

Trimble, George S., Jr., Towson, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 168,604, Jan. 6.

Trinkle, Earl, Youngstown, Ohio, assignor to The Dog House, Inc. Store front. 169,294, Apr. 7.

Troha, Edward, Miami, Fla. Combined jars and rack therefor. 170,615, Oct. 13.

Trolk, Elmer A., Fresno, Calif. Service station island. 168,642, Jan. 13.

Trombley, Bertrand N., Birmingham, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Combined top and backguard control panel for a washing machine. 169,872, June 16.

Trometer, August G., Sturgis, assignor to Gibson Refrigerator Company, Greenville, Mich. Insert grille for an air conditioner panel. 171,238, Dec. 29.

Trout, Harry R., and F. M. Hill, assignors to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Cabinet table. 169,794, June 2.

Trout, Harry R., and F. M. Hill, assignors to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Wall cabinet. 169,795, June 2.

Trout, Harry R., and F. M. Hill, assignors to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Combined cabinet and hanging shelf unit. 170,777, Nov. 3.

Trout, Harry R., and F. M. Hill, assignors to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Base cabinet. 170,839, Nov. 10.

Troya, Henry, Los Angeles, Calif. Nail file. 170,035, July 14.

Trump, Elmo H., Cuyahoga Falls, assignor, by mesne assignments, to Hyke Rubber Company, Willoughby, Ohio. Fly swatter blade. 171,239, Dec. 29.

Tunkl, Julius, assignee: *See*—
Kohl, Mack.

Tupper, Earl S., Upton, Mass. Combined cakeholder and cover therefor or similar article. 170,561, Oct. 6.

Tupper, Earl S., Upton, Mass. Combined canister and cover. 170,562, Oct. 6.

Tupper, Earl S., Upton, Mass. Shaker. 170,840, Nov. 10.

Turak, Anthony, Cleveland, Ohio. Mixing and dispensing faucet. 170,953, Nov. 24.

Turilli, Nicholas: *See*—
Liffmann, Max, and Turilli.

Turner, George W., assignor to Lynchburg Planter Manufacturing Company, Lynchburg, Va. Hand planter. 170,778, Nov. 3.

Turner, Wesley, Portland, Oreg. Liquid-dispensing cleaning unit for toilet bowls, urinals, or the like. 169,115, Mar. 24.

Tuteur, Marianne, New York, N. Y., assignor to Talon, Inc. Convertible hat. 169,523, May 5.

Tuteur, Marianne, New York, N. Y., assignor to Talon, Inc. Hat. 169,831, June 9.

Tylon, Samuel, Cleveland, Ohio. Calendar or the like. 170,172, Aug. 11.

Uhrmann, Carl J., assignor to Imperial Glass Corporation, Bellaire, Ohio. Pitcher or similar article. 170,173, Aug. 11.

Ulrick, James K., Groesbeck, Ohio. Fluorescent lighting fixture. 168,812, Feb. 10.

Uncas Manufacturing Company, assignee: *See*—
Capraro, Carmino.

Union Fork and Hoe Company, The, assignee: *See*—
Mains, John T., Jr.

Unipress Company, Incorporated, The, assignee: *See*—
Maxwell, Ira C., and Langen.

United Merchants and Manufacturers, Inc., assignee: *See*—
Lewis, Robert C.

United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Punzak, Joseph F.

United Mills Corporation, assignee: *See*—
Breitman, Harvey.

U. S. Diamond Ring Co., assignee: *See*—
Wertheimer, Leon, and Van Craeynest.

United States Electric Manufacturing Corporation, assignee: *See*—
Ciampa, Lincoln L.

United States Military Academy, assignee: *See*—
Fraser, Laura G.

United States Rubber Company, assignee: *See*—
Ewart, Elliott S., and Hackley.
Gruner, William J.
Newman, James F.
Saporito, Dominic A.
Steadman, Audrey H.

Universal Electric Products Corp., assignee: *See*—
Morey, Jay.

University of California, The Regents of the, assignee: *See*—
Isaacs, John D.

Urda, Walter, Rockville Centre, N. Y. Chair. 170,954, Nov. 24.

Utility Appliance Corporation, assignee: *See*—
Cripe, Gene H., and Petersen.

Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Watch bracelet or the like. 168,870, Feb. 17.

Van Auken, Inc., assignee: *See*—
Jenkins, Howard M., Jr.

Van Brode Milling Co., Inc., assignee: *See*—
Antritter, Max.
Coleman, Sidney.
Rauch, David.
Rosenthal, Harry.

Van Buren, Harold S., Jr., Cambridge, Mass. Buckle. 169,295, Apr. 7.

Van Craeynest, Roger J.: *See*—
Wertheimer, Leon, and Van Craeynest.

Vanderhoof, Ferne R., assignee: *See*—
Rumsey, John C.

Van Dyke, Arthur W., Wantagh, assignor to The Diamond Match Company, New York, N. Y. Compartmented box. 168,664, Jan. 20.

Vani, James, and A. J. Malpede, assignors to Service Metal Fabricators, Inc., Chicago, Ill. Automotive vehicle drying unit. 170,174, Aug. 11.

Vani, James, and A. J. Malpede, assignors to Service Metal Fabricators, Inc., Chicago, Ill. Automotive vehicle drying unit. 170,175, Aug. 11.

Van Norman, Kenneth M., East Moline, Ill. Lighter. 170,250, Aug. 18.

Van Selver, Edwin P., Philadelphia, Pa., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 171,066, Dec. 8.

Van Wormer & Rodrigues, Inc., assignee: *See*—
Eriksen, Oscar A.

Van Zelm, Willem D., Ruxton, R. K. Wentz, Baltimore, and R. H. Draut, Kingsville, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 168,605, Jan. 6.

Vaporette, Inc., assignee: *See*—
Holbrook, Charles F.

Vaughan Mfg. Co., assignee: *See*—
La Forte, Michael J.

Vavoulis, Andrew J., St. Paul, Minn. Plant stand. 170,955, Nov. 24.

Vece, Victor J., Redwood City, Calif. Barber chair apron. 169,920, June 23.

Verhagen, Edward L., assignor to The Regina Corporation, Rahway, N. J. Floor polishing machine. 170,176, Aug. 11.

Vernon, Roy J., Minneapolis, Minn. Napkin or similar article. 170,071, July 21.

Verrand, Mamie, New York, N. Y. Dress. 170,779, Nov. 3.

Verreault, John F., assignor to Dolly Hosiery Mills, Inc., Valdese, N. C. Sock or similar article. 170,485, Sept. 22.

Vetter, Gerhard J., assignor to The Sanisco Display Company, Milwaukee, Wis. Merchandise display stand. 168,813, Feb. 10.

Vevirit, James V., Kenmore, assignor to McDonald Products Corporation, Buffalo, N. Y. Ash tray. 170,345, Sept. 1.

Victaulic Company of America, assignee: *See*—
English, Richard W.

Victor Industries Corporation, assignee: *See*—
Colotti, Rocco A.

Victor, Maurice, Battersea Park, London, England. Electric hand iron. 169,296, Apr. 7.

Vie Design Studios, assignee: *See*—
Viemeister, Read.

Viemeister, Read, assignor to R. Viemeister and J. B. Steinhilber, copartners, doing business as Vie Design Studios, Yellow Springs, Ohio. Combined thermometer and holder for a scratch-pad or the like. 170,432, Sept. 15.

Vigon, Jule, Los Angeles, Calif. Table lamp. 170,841, Nov. 10.

Vincent-McCall Company, The, assignee: *See*—
Vincent, William W., Jr.

Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chair. 168,606, Jan. 6.

Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chair. 168,607, Jan. 6.

Vincent, William W., Jr., assignor to The Vincent-McCall Company, Kenosha, Wis. Chair. 168,608, Jan. 6.

Vinewood Products, Inc., assignee: *See*—
Saenz, Oscar L.

Virneburg, George, New York, N. Y. Sponge cleaner or the like. 169,796, June 2.

Visual Research Incorporated, assignee: *See*—
Evans, Robert P.

Vitale, Santo, New Hyde Park, N. Y., assignor to Confection Cabinet Corporation, Newark, N. J. Beverage dispenser display. 170,732, Oct. 27.

Voehringer, John K., Jr., Greensboro, N. C., assignor to Mojud Hosiery Co., Inc., Long Island City, N. Y. Lady's stocking. 170,101, July 28.

Vogl, Hugh W., Wilmette, Ill. Lawn sprinkler or the like. 169,873, June 16.

Voight, August L., Berea, Ohio. Dispenser stopper for a bottle. 168,871, Feb. 17.

Voight, August L., Berea, Ohio. Dispenser stopper for a bottle. 169,462, Apr. 28.

Volirath, Andrew, Whiting, Ind. Lighting fixture or the like. 169,463, Apr. 28.

Von Seekamm, Egon F., New York, N. Y., assignor to Willson Products, Inc., Reading, Pa. Pair of sunglasses. 169,570, May 12.

Voss, Clifford C., Clawson, assignor to Chrysler Corporation, Highland Park, Mich. Automobile stone shield. 170,842, Nov. 10.

Vuillemenot, Robert P., River Edge, N. J., and M. E. St. Clair, Hartford, assignors to Plax Corporation, West Hartford, Conn. Dropper for the ears, eyes, nose or the like. 169,996, July 7.

Waas, Samuel M., assignor to Manley, Inc., Kansas City, Mo. Popcorn machine. 168,814, Feb. 10.

Wade, Lynn L., Baxter Springs, Kans. Set of chessmen. 169,230, Mar. 31.

Waechter, William L.: *See*—
Hennig, August J., and Waechter.

Wagner, Edwin R., St. Louis, Mo. Manicure stand or similar article. 170,669, Oct. 20.

Wagner, Elmer A., Portland, Oreg. Tractor. 170,956, Nov. 24.

Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Box cover. 169,643, May 19.

Wagner, Franz, Chicago, Ill., assignor to Nesco, Inc., Milwaukee, Wis. Combined electric roaster and cabinet. 169,874, June 16.

Wagner, Franz, Chicago, Ill., assignor to Nesco, Inc., Milwaukee, Wis. Electric roaster. 169,875, June 16.

Wagner, Franz, Chicago, Ill., assignor to Nesco, Inc., Milwaukee, Wis. Electric roaster. 169,876, June 16.

Wagner, Franz, Chicago, Ill., assignor to Nesco, Inc., Milwaukee, Wis. Electric roaster. 169,877, June 16.

Wagner, Franz, assignor to Borg-Erickson Corp., Chicago, Ill. Platform scale. 171,067, Dec. 8.

Wagner, Franz, assignor to Borg-Erickson Corp., Chicago, Ill. Platform scale. 171,068, Dec. 8.

Wagner, Franz, Evanston, Ill., assignor to Arvin Industries, Inc., Columbus, Ind. Chair. 168,772, Feb. 3.

Wagner, Franz, Evanston, Ill., assignor to Arvin Industries, Inc., Columbus, Ind. Table. 171,017, Dec. 1.

Wagner, Herman, New York, N. Y. Embossed textile fabric or similar article. 169,399, Apr. 21.

Wahren, Alma I., Carrington, N. Dak. Bottle rack. 170,433, Sept. 15.

Waldecker, Donald C., Rockford, Ill. Game board. 171,069, Dec. 8.

Waldman, Albert J., New York, N. Y. Lady's handbag. 168,872, Feb. 17.

Waldman, John F., Enid, Okla. Vehicle directional signal. 168,720, Jan. 27.

Waldman, Thelma, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,297, Apr. 7.

Waldrop, Jefferson P., Jackson, Miss. Bookholder or similar article. 169,832, June 9.

Walent, Bernice G., West Allis, Wis. Television cabinet. 169,345, Apr. 14.

Wales, George F., Kenmore, N. Y. Checkers game piece. 169,400, Apr. 21.

Walker, George W., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding machine. 170,102, July 28.

Walker, Roland C., New York, N. Y. Combination mirror and photo night lamp. 169,231, Mar. 31.

Walker, Thomas, Limited, assignee: *See*—
Wood, Herbert H.

Wall, P., Mfg. Company, assignee: *See*—
Schoenwald, Alexander.

Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Askew, Phyllis B.
Ball, Percy B.
Gavette, Richard C.
Warren, William S.

Wallace, William D., Syracuse, assignor to Camillus Cutlery Company, Camillus, N. Y. Knife. 169,797, June 2.

Wallance, Donald A., Croton-on-Hudson, N. Y. Knife or similar article. 170,293, Aug. 25.

Walsh, Frank T., Pasadena, and R. T. Heath, Temple City, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Galvanometer. 170,514, Sept. 29.

Walsh, William J., Lemay, Mo. Shoe heel. 169,716, May 26.

Walter, John H.: *See*—
Brier, Jack, Belber, Kolson, and Walter.

Walthall, Esmond, San Marino, Calif., assignor to The Kawneer Company, Miles, Mich. Louver panel. 170,434, Sept. 15.

Walton, Wesley K., Santa Clara County, Calif. Teeter rocker. 169,049, Mar. 17.

Waltz, Edward, assignor to The E. O. Bulman Manufacturing Company, Inc., Grand Rapids, Mich. Combined roll paper holder and cutter. 171,070, Dec. 8.

Ward, Thomas C., Waco, Tex. Plaster cast spreading tool. 170,780, Nov. 3.

Wargo, Anne K.: *See*—
Kupinske, Elizabeth K., and Wargo.

Warner Brothers Company, The, assignee: *See*—
La Bue, Seraphina C., and Coogan.
La Bue, Seraphine C., and Coogan.

Warner Jewelry Case Company, assignee: *See*—
Brown, George F.

Warren, Frances, Pittsburgh, Pa. Apron. 170,896, Nov. 17.

Warren, William D., Scarsdale, N. Y. Combined basket and comestible container. 171,114, Dec. 15.

Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 169,401, Apr. 21.

Washington, Nathaniel W., Ephrata, Wash. Manipulative toy. 169,878, June 16.

Wasserman, Sidney, and A. M. Sterna, assignors to Futuristic Products Company, Detroit, Mich. Toy gun. 169,921, June 23.

Wassmann, Lutrelle P., Chicago, Ill., assignor to General Electric Company. Evaporator door for refrigerators or the like. 168,773, Feb. 3.

Waukegan Baby Seat Co. Inc., assignee: *See*—
Inman, Walter A.

Waybell Mfg. Company, Inc., assignee: *See*—
Rosenbaum, Henry K.

Wear, Horace G., Jr.: *See*—
Merit, Helen, and Wear.

Weatherhead Company, The, assignee: *See*—
St. Clair, Theodore A., and Krall.

Weaver, Velma G., Oklahoma City, Okla. Toy figure or similar article. 170,781, Nov. 3.

Webb, Harry A.: *See*—
White, Paul W., and Webb.

Weber, Fred, Teaneck, N. J. Embroidered trimming or similar article. 169,524, May 5.

Weber, Grabel B., Chicago, Ill., assignor to White Castle System, Inc., Columbus, Ohio. Cap. 170,072, July 21.

Webster Electric Company, assignee: *See*—
Floria, James D.

Wegner, Theodore O., London, England. Shoe. 170,782, Nov. 3.

Wegner, Theodore O., London, England. Shoe. 170,783, Nov. 3.

Weil & Durrsè, Inc., assignee: *See*—
Bogdanovich, Sergei.

Weil, Max, assignee: *See*—
Baker, George A.

Weinberg, Sol, New York, N. Y. Textile fabric. 169,879, June 16.

Weinstein, Joseph, New York, N. Y. Bathroom fixture. 169,018, Mar. 10.

Weinstein, Regina, assignee: *See*—
Schwartz, Stanley M.

Weinstein, Samuel, New York, N. Y. Hat. 170,251, Aug. 18.

Weiss, Alexander C. H.: *See*—
Paden, Frederick T., and Weiss.

Weiss, Alexander C. H., Chicago, Ill. Ski pole ring. 169,644, May 19.

Weiss, Ted J., Dover, N. H. Moccasin. 170,036, July 14.

Weissenstein, Carl, New York, assignor to Carol-Electrical Control, Inc., Brooklyn, N. Y. Rheostat housing. 169,922, June 23.

Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 169,402, Apr. 21.

Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 170,435, Sept. 15.

Weisz, Alexander S., Pitman, N. J. Sandal. 170,897, Nov. 17.

Welcher, William H., North Syracuse, and S. G. Mundt, assignors to Easy Washing Machine Corporation, Syracuse, N. Y. Panel for laundry apparatus. 169,953, June 30.

Welebny, Julius A., Rockville Centre, N. Y. Calendar-type lipstick holder. 170,252, Aug. 18.

Welk, Lawrence, River Forest, Ill. Ash tray. 170,898, Nov. 17.

Wells, Millard F., Bellwood, Ill., assignor to W. L. Stensgaard and Associates, Inc. Mannequin. 169,464, Apr. 28.

Wells, Paul D., Oakland, Calif. Fishing outrigger. 171,175, Dec. 22.

Wenkstern, Russell, Mound, assignor to Moulded Products, Inc., Spring Park, Minn. Hobbyhorse. 170,294, Aug. 25.

Wenner-Gren, Axel L., Stockholm, Sweden. Badge or the like. 169,019, Mar. 10.

Wenta, Stephen C., Boulder City, Nev. Ash tray. 170,392, Sept. 8.

Wentz, Richard K.: *See*—
Van Zelm, Willem D., Wentz, and Draut.

Wentzell, Maurice E., Washington, D. C. Lamp. 169,020, Mar. 10.
Wertheimer, Leon, and R. J. Van Craeynest, San Francisco, Calif., assignors to U. S. Diamond Ring Co., New York, N. Y. Link. 168,815, Feb. 10.
Wertz Engineering Co., Inc., assignee: *See*—
Edwards, Myles W.
West, Brennan B., Jr., Cleveland Heights, Ohio. Attachment for bicycles in representation of a pony. 170,784, Nov. 3.
West Bend Aluminum Co., assignee: *See*—
Petertil, Victor A.
Westinghouse Electric Corporation, assignee: *See*—
Flood, Charles W., Jr.
Lambert, Raoul A.
Loehr, Robert W.
Muller-Munk, Peter.
Westrate, John M., Pleasant Ridge, Mich. Vehicle traction cleat. 169,403, Apr. 21.
Wheat, Edward L., Darien, Conn. Lamp base. 169,465, Apr. 28.
White Castle System, Inc., assignee: *See*—
Weber, Grabel B.
White, Charles S., Dearborn, Mich. Awning or similar article. 170,843, Nov. 10.
White, S. S., Dental Manufacturing Company, The, assignee: *See*—
Angell, Robert C.
White, Earl E., and G. J. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Document copying machine. 170,486, Sept. 22.
White, Edward, IV, Cranford, N. J., assignor to Chicopee Mills, Inc. Textile fabric. 168,774, Feb. 3.
White, Edward, and R. H. Witmer, Miami, Fla. Earring or similar article. 169,021, Mar. 10.
White, Edward, and R. H. Witmer, Miami, Fla. Brooch or similar article. 169,022, Mar. 10.
White, Fred W., Cheboygan, Mich. Wall plaque. 170,515, Sept. 29.
White, John C., Niagara Falls, N. Y. Child's rocker. 169,466, Apr. 28.
White, Leo L., Beverly Hills, Calif. Toy figure. 170,436, Sept. 15.
White Magic Freezer Company, assignee: *See*—
Teague, James.
White, Paul W., New Haven, and H. A. Webb, Mount Carmel, Conn., assignors to Parva Products Company, Chicago, Ill. Sandal. 169,717, May 26.
Whitehead, Alice J., New York, N. Y., and J. F. Lang, Clifton, N. J., assignors to Bourjois, Inc., New York, N. Y. Combined powder box, lipstick container, and holder therefor or similar article. 170,899, Nov. 17.
Whiting, Dorothy E., assignor to Eastern Plastics, Inc., Fairfield, Conn. Holder for a hand of playing cards. 169,525, May 5.
Whitman, Lucilla de V., New York, N. Y. Necktie. 170,487, Sept. 22.
Whitman, Gertrude, Jamaica, N. Y. Brassière. 168,980, Mar. 3.
Whirlpool Corporation, assignee: *See*—
Sundberg, Carl W.
Whyte, Ruth L., Chesterton, Ind., assignor to Du Kane Corporation, St. Charles, Ill. Microphone. 168,665, Jan. 20.
Whyte, Ruth L., Chesterton, Ind., assignor to Du Kane Corporation, St. Charles, Ill. Recorder cabinet for electric dictating machine. 168,666, Jan. 20.
Wichansky, Samuel, assignor to Remington Products Corporation, Elizabeth, N. J. Combined vaporizer casing and mounting bracket. 168,609, Jan. 6.
Wiegel, John M., Oakland, Calif. Folding chair. 171,240, Dec. 29.
Wieland, Louis A., Pittsburgh, Pa. Stand. 170,670, Oct. 20.
Wienke, Don, Detroit, Mich. Picture frame. 169,116 Mar. 24.
Wiggins, Walter, Jr., Beaver Heights, Md. Automobile. 169,645, May 19.
Wilcher, Abrasha, assignor to M. J. and S. Z. Gordon, and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Lady's stocking. 171,115, Dec. 15.
Wilcox-Gay Corporation, assignee: *See*—
Sandwick, Luther M.
Wilkes, Elizabeth, Bronte, Ontario, Canada, and B. Board, Blooming Grove, N. Y., assignors to Canadian Westinghouse Company Limited. Textile fabric or the like. 169,298, Apr. 7.
Wilkoff, Howard M., New York, N. Y. Thermal basket. 168,981, Mar. 3.
Will, Elizabeth: *See*—
Du Bois, Arthur E., and Will.
Willard Storage Battery Company, assignee: *See*—
Raney, Robert M.
Willemin, Robert B., Greenville, Mich. Chair. 169,299, Apr. 7.
Williams, Carroll, Gladwyne, Pa. Airplane. 170,037, July 14.
Williams, Clarence R., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Meat chopper knife. 169,467, Apr. 28.
Williams, Darwin D., Sacramento, Calif. Game board. 169,346, Apr. 14.
Williams, Dewayne K.: *See*—
Baker, Melvin R., and Williams.
Williams, Edwin H., Louisville, Ky. Practice golf club. 169,880, June 16.
Williams Manufacturing Co. Inc., assignee: *See*—
Baker, Melvin R., and Williams.
Williams, Philip M., Oakland, assignor to Keyes Fibre Company, Portland, Maine. Packing member for fragile articles. 169,468, Apr. 28.
Williams, Philip M., Oakland, assignor to Keyes Fibre Company, Portland, Maine. Packing member for fragile articles. 169,881, June 16.
Williams, Philip M., Oakland, assignor to Keyes Fibre Company, Portland, Maine. Packing member for fragile articles. 169,882, June 16.
Williams, Philip M., Oakland, assignor to Keyes Fibre Company, Portland, Maine. Packing member for fragile articles. 169,883, June 16.
Williams, Richard G., assignor to R. L. Nafziger, Palm Springs, Calif. Applique or the like. 168,919, Feb. 24.
Willman, Philip E., St. Charles Township, Kane County, assignor to McGraw Electric Company, Elgin, Ill. Toaster handle. 169,232, Mar. 31.
Willman, Philip E., St. Charles Township, Kane County, assignor to McGraw Electric Company, Elgin, Ill. Toaster. 169,233, Mar. 31.
Willson Products, Inc., assignee: *See*—
Von Seekamm, Egon F.
Willys Motors, Inc., assignee; *See*—
Wright, Philip O.
Wilmot Castle Company, assignee: *See*—
Greppin, Ernest H.
Wilson, Allen B., Evanston, assignor to Acme Steel Company, Chicago, Ill. Floor plate. 170,733, Oct. 27.
Wilson Jones Company, assignee: *See*—
Marano, Herbert W.
Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 170,488, Sept. 22.
Wilson, Lawrence H., Detroit, Mich., assignor to Admiral Corporation, Chicago, Ill. Dehumidifier. 170,900, Nov. 17.
Wilson, Lawrence H., Grosse Pointe, Mich., assignor to Admiral Corporation, Chicago, Ill. Radio cabinet. 170,671, Oct. 20.
Wilson, Lawrence H., Grosse Pointe, Mich., assignor to Admiral Corporation, Chicago, Ill. Combination clock and radio cabinet. 170,785, Nov. 3.
Wilson, Robert M., assignor to Dare Products, Incorporated, Battle Creek, Mich., Electric fence tester. 170,103, July 28.
Winsted Hardware Manufacturing Company, The, assignee: *See*—
Collura, Francesco.
Winther, Simon P., assignor of forty percent to L. Krueger, Chicago, Ill. Electric shaver. 169,404, Apr. 21.
Wire Wheel Division, Calnevar Company, assignee: *See*—
Plotkin, Bernard.
Wise, Solomon, Shaker Heights, Ohio. Cabinet lock. 170,038, July 14.
Wiss, J., & Sons Co., assignee: *See*—
Thober, Carl A.
Wiswell, Grant A., Burlingame, Calif. Traffic bar. 170,844, Nov. 10.
Witmer, Florence C., New York, N. Y. Brooch or similar article. 169,997, July 7.
Witmer, Rodney H.: *See*—
White, Edward, and Witmer.
Witt, Harry, New Rochelle, N. Y. Bed lamp. 169,998, July 7.
Wittcoff, Edward, University City, assignor to Caradine Hat Company, St. Louis, Mo. Hat. 168,920, Feb. 24.
Witzgall, Dorothy M., Dalton, Mass., assignor to H. J. Witzgall. Combined salt and pepper dispenser or similar article. 169,526, May 5.
Witzgall, Herbert J., assignee: *See*—
Witzgall, Dorothy M.
Wlach, Klari M.: *See*—
Maxwell, Paul M., and Wlach.
Wogoman, Jack E., assignor to General Motors Corporation, Dayton, Ohio. Window mounted air conditioning unit. 169,954, June 30.
Wohlt, Philipp C.: *See*—
Caldwell, Louis P., and Wohlt.
Wolf, Al B., assignee: *See*—
Jones, Charles E., and Crowle.
Wolf Brothers, Inc., assignee: *See*—
Wolf, Walter I.
Wolf, Oscar, New York, N. Y. Handbag or similar article. 169,923, June 23.
Wolf, Oscar, New York, N. Y. Handbag or similar article. 169,924, June 23.
Wolf, Oscar, Trenton, N. J. Handbag. 170,346, Sept. 1.
Wolf, Samuel, Brooklyn, N. Y. Cigarette holder. 170,845, Nov. 10.
Wolf, Walter L., Rydal, assignor to Wolf Brothers, Inc., Philadelphia, Pa. Wrapping paper or similar article. 170,786, Nov. 3.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 168,921, Feb. 24.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Tablecloth. 169,300, Apr. 7.
Wolfe, Robert L.: *See*—
Horvath, Anthony G., Kuner, and Wolfe.
Wolff, Saul K., Long Beach, N. Y. Newspaper and periodical holder or similar article. 170,901, Nov. 17.

Wolff, Saul K., Long Beach, N. Y. Newspaper and periodical holder or similar article. 170,902, Nov. 17.
Wollan, Rolf W.: *See*—
Collins, Arthur A., and Wollan.
Wolsey, Louis M., assignee: *See*—
Rasmussen, Randall.
Wolsey, Rex J., assignee: *See*—
Rasmussen, Randall.
Womack, Bryan W., Fort Worth, Tex. Show cage for birds. 170,957, Nov. 24.
Wood, Herbert H., assignor to Thomas Walker Limited, Birmingham, England. Hook for a trouser waistband. 170,787, Nov. 3.
Wood, J. R., & Sons, Inc., assignee: *See*—
Botham, Arthur R.
Wood, Lorin A., Los Angeles, Calif. Crutch. 170,437, Sept. 15.
Wood, Robert, Red Bank, N. J. Ash tray. 170,177, Aug. 11.
Wood, Robert, Red Bank, N. J. Ash tray. 170,178, Aug. 11.
Woodin, Rosalie A., Wilmington, Calif. Lamp. 168,721, Jan. 27.
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Airplane. 170,393, Sept. 8.
Woodstock Candelier, assignee: *See*—
Perlmutter, Patricia C.
Woodward, Irene K., Washington, D. C. Urn. 169,347, Apr. 14.
Woodworth, John A., Los Angeles, Calif. Shower door frame. 169,234, Mar. 31.
Woolfe, Aaron E., Miami Beach, Fla. Fishing lure. 168,873, Feb. 17.
Woolfe, Aaron E., Miami Beach, Fla. Fishing lure. 168,874, Feb. 17.
World's Finest Chocolate, Inc., assignee: *See*—
Opler, Edmond.
World Wide Plastics Corporation, assignee: *See*—
Katz, Bernard.
Wright, Beverly, Norwich, Conn. Game board. 169,023, Mar. 10.
Wright, Edward E., San Diego, Calif. Washcloth. 170,734, Oct. 27.
Wright, Ernest N., Belmont, Mass. Set of chessmen. 170,489, Sept. 22.
Wright, Frank O., Memphis, Tenn. Walking heel for a cast. 169,646, May 19.
Wright, Frank O., Memphis, Tenn. Walking heel for a cast. 169,647, May 19.
Wright, Jack H., Chicago, Ill. Metal sheet. 169,718. May 26.
Wright, Philip O., Clawson, Mich., assignor, by mesne assignments, to Willys Motors, Inc., Toledo, Ohio. Vehicle. 169,955, June 30.
Wright, Russel, New York, N. Y., assignor to Shwayder Brothers, Ecorse, Mich. Folding tray table. 169,527, May 5.
Wyler, Alfred, Rye, N. Y. Wrist watch. 170,179, Aug. 11.
Wylie, Joseph S., Oklahoma City, Okla. Asphalt patching plant. 171,071, Dec. 8.
Yanchor, William, assignor to Jay Specialties Products, Inc., Los Angeles, Calif. Electric broiling unit. 168,722, Jan. 27.
Yarger, Milton R., Morgantown, W. Va. Combined adjustable lamp stand and table. 170,616, Oct. 13.
Yellen, Maxwell, West New York, N. J. Chair. 171,176, Dec. 22.
York, Raymond R., assignor to Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Bottle. 169,884, June 16.
Young, Frank W., East Orange, N. J. assignor to Illinois Watch Case Co. Clasp for necklaces and the like. 168,816, Feb. 10.
Young, Paul: *See*—
Zabel, William C. P., and Young.
Young, Phyllis L.: *See*—
Young, William E. and P. L.
Young, Robert G., Jr.: *See*—
Schutter, George M., and Young.
Young, Stephen A., Delphi, Ind. Lavatory faucet shell. 169,405, Apr. 21.
Young, Willard G., Robinson, Ill., assignor to W. A. Case and Son Manufacturing Company, Buffalo, N. Y. Lavatory. 169,348, Apr. 14.
Young, William E. and P. L., Portland, Oreg. Combined mantel ornament and flower holder. 169,833, June 9.
Z & W Machine Products, Inc., assignee: *See*—
Ziherl, Frank A.
Zabel, William C. P., Chicago, Ill., and P. Young, Midland, Mich., assignors to Associated Plastic Companies, Inc., Chicago, Ill. Box cover. 170,104, July 28.
Zaic, Anton, Queens Village, N. Y. Tray. 169,648, May 19.
Zajac, Thaddeus T., Chicago, Ill. Clothesline support. 169,406, Apr. 21.
Zalkind, Albert M., Arlington, Va. Folding table. 170,672, Oct. 20.
Zampini, Arthur, Flushing, N. Y. Portable tilt-table. 170,105, July 28.
Zapolski, Benjamin J., New York, assignor to Telectro Industries Corp., Long Island City, N. Y. Tape recorder-reproducer. 169,024, Mar. 10.
Zeisel, Eva, assignor to Midhurst China Company, Inc., New York, N. Y. Dish or the like. 170,735, Oct. 27.
Zeisel, Eva, assignor to Midhurst China Company, Inc., New York, N. Y. Dish or the like. 170,788, Nov. 3.
Zel, Joe, Cleveland Heights, and R. W. Latimer, Bay Village, Ohio, assignors to American Greetings Corporation. Merchandise display rack. 169,649, May 19.
Zelenka, Louis P., Mount Lebanon, assignor to Commonwealth Sanitation Company, Pittsburgh, Pa. Deodorizer. 171,177, Dec. 22.
Zenith Radio Corporation, assignee: *See*—
Budlong, Robert D.
Budlong, Robert D., and De Young.
De Young, Jack
Ziherl, Frank A., Euclid, assignor to Z & W Machine Products, Inc., Cleveland, Ohio. Sprayer for insecticides, deodorants, or the like. 170,039, July 14.
Zimet, Andrew, New York, N. Y. Ring. 168,875, Feb. 17.
Zink, William L.: *See*—
Aasland, Byron T., Bloom, and Zink.
Zip Products Co., assignee: *See*—
Misson, William H.
Zipkin, Sylvia, Philadelphia, Pa. Educational device. 170,563, Oct. 6.
Ziskin, Manuel S., Mayfield Heights, and R. B. Billig, Willoughby, assignors to Kromex Corporation, Cleveland, Ohio. Condiment container or the like. 170,180, Aug. 11.
Ziskin, Manuel S., Mayfield Heights, and R. B. Billig, Willoughby, assignors to Kromex Corporation, Cleveland, Ohio. Canister or similar article. 170,295, Aug. 25.
Ziskin, Manuel S., Mayfield Heights, and R. B. Billig, Willoughby, assignors to Kromex Corporation, Cleveland, Ohio. Paper towel and wax paper dispenser. 170,673, Oct. 20.
Ziskind, Samuel, New York, N. Y. Scouring pad holder. 170,438, Sept. 15.
Zoffer, Robert H., New York, N. Y. Infant's bathtub. 171,018, Dec. 1.
Zon, Louis A., Buffalo, N. Y. Combined food and beverage vending station. 170,736, Oct. 27.
Zon, Louis A., Buffalo, N. Y. Combined food and beverage vending station. 170,737, Oct. 27.

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LIST OF PLANT PATENTEES

Anderson, Frederic W., Merced, assignor to Kim Brothers, Reedley, Calif. Nectarine tree. 1,160, Jan. 13.

Anderson, Frederic W., assignor to T. B. Stribling, Jr., doing business as Stribling's Nurseries, Merced, Calif. Nectarine tree. 1,161, Jan. 13.

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.
Weeks, O. L.

Bobbink & Atkins, assignee: *See*—
Jacobus, Martin R.

Bobbink Nurseries, Inc., assignee: *See*—
Jacobus, Martin R.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,162, Feb. 3.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,165, Feb. 10.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,166, Feb. 10.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,168, Feb. 17.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,169, Feb. 17.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,171, Feb. 24.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,222, Oct. 13.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,225, Oct. 27.

Brooks, Lenard L., Modesto, Calif. Azalea plant. 1,175, Mar. 31.

Brownell, Josephine D., Little Compton, R. I. Rose plant. 1,182, May 5.

Bush, Guy D., Minneapolis, Minn. Dwarf double mock orange plant. 1,174, Mar. 10.

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 1,217, Sept. 22.

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 1,227, Nov. 10.

Conard-Pyle Company, The, assignee: *See*—
Meilland, Francis.
Tantau, Mathias.

Corliss Bros., Inc., assignee: *See*—
Corliss, Clifford D.

Corliss, Clifford D., assignor to Corliss Bros., Inc., Gloucester, Mass. Euonymus fortunei plant. 1,194, June 16.

Corliss, Clifford D., assignor to Corliss Bros., Inc., Gloucester, Mass. Euonymus fortunei plant. 1,195, June 16.

Craig, Robert, Company, Inc., assignee: *See*—
Rahbek, Frode.

Dailey, Roland W., San Jose, Calif. Camellia plant. 1,190, May 19.

Descanso Distributors, Inc., assignee: *See*—
Lammerts, Walter E.

Dougherty, Harold D., Farmersville, Calif. Peach tree. 1,216, Sept. 8.

Drew, Alberta M., executrix, assignee: *See*—
Drew, Herbert E.

Drew, Herbert E., deceased, Thurston County, Wash., A. M. Drew, executrix, assignor to herself individually. Blueberry plant. 1,181, Apr. 21.

Duke, John F., Jr.: *See*—
Duke, John F., Sr., J. F. Duke, Jr., and L. P. Duke.

Duke, John F., Sr., J. F. Duke, Jr., and L. P. Duke, Fort Valley, Ga. Peach tree. 1,236, Dec. 29.

Duke, Leman P.: *See*—
Duke, John F., Sr., J. F. Duke, Jr., and L. P. Duke.

Ecke, Paul, Encinitas, Calif. Poinsettia plant. 1,207, July 28.

Edwards, Lawrence C., Oakland, Calif. Plum tree. 1,213, Sept. 1.

Eller, Walter H., Yakima, Wash. Pear tree. 1,184, May 12.

Emlong Nurseries, Inc., assignee: *See*—
Keplinger, Frank J.

Engkvist, Bror, Halsingborg, Sweden, assignor, by mesne assignments, to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,196, June 16.

Engle, Russell, assignor to Tom Knipe Florist, Kokomo, Ind. Carnation plant. 1,180, Apr. 21.

Fischer, Charles W., Atlantic City, N. J. Saintpaulia plant. 1,173, Mar. 10.

Frye, Lloyd L., Yuba City, Calif. Peach tree. 1,210, Aug. 11.

Fulkerth, Carroll M., assignor of one-half to W. B. Murray, Modesto, Calif. Peach tree. 1,172, Mar. 3.

Germain's, Inc., assignee: *See*—
Lammerts, Walter E.
Whisler, Milton L.

Gillespie, Herbert L., San Gabriel, Calif. Avocado tree. 1,208, Aug. 4.

Grullemans, John J., assignee: *See*—
Manske, Richard H. F.

Hahn, Sylvan F., Pittsburgh, Pa. Sansevieria plant. 1,220, Oct. 13.

Hahn, Sylvan F., Pittsburgh, Pa. Sansevieria plant. 1,221, Oct. 13.

Hahn, Sylvan F., Pittsburgh, Pa. Sansevieria plant. 1,224, Oct. 27.

Hemet Wholesale Nursery, assignee: *See*—
Lindquist, Robert V.

Hill, Joseph H., Company, assignee: *See*—
Byrum, Roy L.

Hof Mann, Frederick W., Omaha, Nebr. Nectarine tree. 1,230, Nov. 17.

Howard, Arthur P., Sierra Madre, assignor to Howard & Smith, Montebello, Calif. Rose plant. 1,218, Sept. 29.

Howard & Smith, assignee: *See*—
Howard, Arthur P.

Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.
Engkvist, Bror.
Kordes, Wilhelm.
Verschuren, Hendrikus A. M.

Jacobus, Martin R., Ridgefield, assignor to Bobbink & Atkins, East Rutherford, N. J. Rose plant. 1,163, Feb. 3.

Jacobus, Martin R., Ridgefield, assignor to Bobbink Nurseries, Inc., East Rutherford, N. J. Rose plant. 1,234, Dec. 22.

Johnson, Bertman V., Altoona, Fla. Orange tree. 1,170, Feb. 24.

Kellogg, R. M., Company, The, assignee: *See*—
Prushek, Emil.

Keplinger, Frank J., Farwell, assignor to Emlong Nurseries, Inc., Stevensville, and C. A. Stahelin, Bridgman, Mich. Strawberry plant. 1,183, May 5.

Kim Brothers, assignee: *See*—
Anderson, Frederic W.

Knipe, Tom, Florist, assignee: *See*—
Engle, Russell.

Kordes, Wilhelm, Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,197, June 16.

Kordes, Wilhelm, Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,219, Oct. 6.

Krebs, Alfred, Montebello, assignor of one-half to E. E. Marsh, Pasadena, Calif. Rose plant. 1,226, Nov. 10.

Lammerts, Walter E., La Canada, assignor, by mesne assignments, to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,167, Feb. 10.

Lammerts, Walter E., assignor to Descanso Distributors, Inc., La Canada, Calif. Camellia plant. 1,215, Sept. 1.

Lindquist, Robert V., assignor to Hemet Wholesale Nursery, Hemet, Calif. Rose plant. 1,209, Aug. 4.

Longmire, Charles A., El Cajon, assignor to Monrovia Nursery Company, Monrovia, Calif. Lantana plant. 1,211, Aug. 25.

Manske, Richard H. F., Guelph, Ontario, Canada, assignor to J. J. Grullemans, Cleveland, Ohio. Dicentra plant. 1,198, June 23.

Marsh, Edward E., assignee: *See*—
Krebs, Alfred.

Marsh, Edward E., Pasadena, Calif. Climbing rose plant. 1,191, June 2.

Meilland, Francis, Cap Azura, Cap d'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,188, May 19.

Meilland, Francis, Cap Azura, Cap d'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,192, June 9.

Meilland, Francis, Cap Azura, Cap d'Antibes, France, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,193, June 9.

Monrovia Nursery Company, assignee: *See*—
Longmire, Charles A.
Mulholland, William B., and Shepp.

Moore, Ralph S., Visalia, Calif. Rose plant. 1,235, Dec. 29.

Mulholland, William B., Montebello, and P. E. Shepp, Pasadena, assignors to Monrovia Nursery Company, Monrovia, Calif. Azalea plant. 1,212, Aug. 25.

Murray, Willette B., assignee: *See*—
Fulkerth, Carroll M.
Peterson, Howard C., Reedley, Calif. Peach tree. 1,228, Nov. 10.
Pinchbeck, William E., assignor to William Pinchbeck, Inc., Guilford, Conn. Rose plant. 1,232, Dec. 8.
Pinchbeck, William, Inc., assignee: *See*—
Pinchbeck, William E.
Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 1,177, Mar. 31.
Rahbek, Frode, Primos, assignor to Robert Craig Company, Inc., Norwood, Pa. Saintpaulia plant. 1,187, May 12.
Shepp, Paul E.: *See*—
Mulholland, William B., and Shepp.
Spanbauer, Frank, Decatur, Ill. Rose plant. 1,237, Dec. 29.
Stabelin, Carl A., assignee: *See*—
Keplinger, Frank J.
Stribling, Thomas B., Jr., assignee: *See*—
Anderson, Frederic W.
Stribling's Nurseries, assignee: *See*—
Anderson, Frederic W.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,176, Mar. 31.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,178, Apr. 7.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,179, Apr. 7.
Tantau, Mathias, Uetersen, Germany, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 1,189, May 19.
Tiret, Horace M., San Francisco, Calif. Fuchsia plant. 1,201, July 14.
Tiret, Horace M., San Francisco, Calif. Fuchsia plant. 1,202, July 14.
Tiret, Horace M., San Francisco, Calif. Fuchsia plant. 1,203, July 14.
Tiret, Horace M., San Francisco, Calif. Fuchsia plant. 1,204, July 14.
Tiret, Horace M., San Francisco, Calif. Fuchsia plant. 1,206, July 28.
Tiret, Horace M., San Francisco, Calif. Fuchsia plant. 1,231, Nov. 24.
Ulery, Dale W., assignor to Ulery Greenhouses, Springfield, Ohio. African violet plant. 1,214, Sept. 1.
Ulery Greenhouses, assignee: *See*—
Ulery, Dale W.
Valdero, James, Parlier, Calif. Peach tree. 1,205, July 14.
Van Zanten, Maurits L. V., Lynden, Wash. Azalea plant. 1,233, Dec. 15.
Verschuren, Hendrikus A. M., Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,164, Feb. 3.
Verschuren, Hendrikus A. M., Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,223, Oct. 13.
Weeks, O. L., Chino, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,185, May 12.
Weschcke, Carl, St. Paul, Minn. Black walnut tree. 1,229, Nov. 17.
Whisler, Milton L., assignor to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,199, June 23.
Whisler, Milton L., assignor to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,200, June 23.
White, Carl, Walla Walla, Wash. Juniper plant. 1,186, May 12.

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LIST OF ABSTRACTS OF APPLICATIONS

Adams, Alfred F., Schenectady, and D. M. Willyoung, Scotia, N. Y., assignors to General Electric Company. Dynamoelectric machine stator. Ser. No. 294,182, published June 30, 1953.
Adelman, Robert L., Grand Island, and I. M. Klein, Buffalo, N. Y. Solutions of polyvinyl chloride. Ser. No. 256,131, published Nov. 17, 1953.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Lambou, Madeline G., O'Connor, Jensen, and Laughlin.
Aines, Andrew A., U. S. Army. Apparatus for testing the weathering of fabrics. Ser. No. 69,142, published Mar. 10, 1953.
Akerman, John D., and M. J. Stesin, Minneapolis, Minn., and A. Geltman, Cleveland Ohio; said Stesin assignor to said Akerman and said Geltman. Metallized product. Ser. No. 180,473, published Aug. 18, 1953.
Alberts, Leonard: *See*—
Benson, Homer E., Schlesinger, and Alberts.
Amacker, George A., Washington, D. C. Coffee urn. Ser. No. 89,541, published Jan. 13, 1953.
American Cyanamid Company, assignee: *See*—
Mackay, Johnstone S.
Appleyard, Alfred N., Rugby, England, assignor to General Electric Company. Laminated magnetic cores having improved cooling means. Ser. No. 197,094, published Feb. 17, 1953.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Craig, Leo S.
Ellis, Grenville B.
Hall, Frank M.
Hatkin, Leonard.
Jacoby, Donald L.
Lehovec, Kurt.
Nathan, Joseph F.
Ziegler, Hans K.
Baker, Donald R., Syracuse, N. Y., assignor to General Electric Company. Door opener. Ser. No. 174,767, published June 30, 1953.
Baker, John H., San Diego, Calif., assignor to General Electric Company. Thermocouple. Ser. No. 104,283, published Mar. 10, 1953.
Barnhart, William S., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Trifluorochloroethylene copolymer. Ser. No. 194,023, published Feb. 17, 1953.
Bass, Kenneth C., Jr., Richmond, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Stabilizing rayon fabrics. Ser. No. 211,425, published June 30, 1953.
Baxter, James G.: *See*—
Cawley, John D., Baxter, and Weisler.
Bean, Frederic R., and T. S. Donovan, Rochester, N. Y. 2-hydroxyalkylaminomethyl-4-aminophenols. Ser. No. 103,533, published Sept. 29, 1953.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Miller, Victor F.
Larkin, Clarence F.
Benson, Homer E., and M. D. Schlesinger, Pittsburgh, and L. Alberts, Library, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Production of predominantly liquid hydrocarbons by the Fischer-Tropsch synthesis. Ser. No. 272,626, published Aug. 18, 1953.
Binck, Arthur S., Scotia, N. Y., assignor to General Electric Company. Design for groove preparation for welding. Ser. No. 117,399, published May 12, 1953.
Bischoff, Ernst, Company, Inc., assignee: *See*—
Harvill, Edward K.
Bixler, Robert B., Richland, Wash. Testing. Ser. No. 609,939, published Apr. 21, 1953.
Blewett, John P., East Patchogue, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Induction accelerator for synchrotron. Ser. No. 60,991, published Aug. 18, 1953.
Bloom, Melvin S.: *See*—
Towne, Edmund B., and Bloom.
Bochan, John, Trenton, N. J., assignor to General Electric Company. Pressure responsive control switch for washing machines and the like. Ser. No. 160,857, published Apr. 21, 1953.
Boehmer, Harold, Salt Lake City, Utah. Pull-down machine. Ser. No. 767,895, published Apr. 21, 1953.
Bohonos, Nestor: *See*—
Hesseltine, Clifford W., and Bohonos.
Boll, John H., Dearborn, and A. V. Raught, assignors to Dearborn Motors Corporation, Birmingham, Mich. Quick detachable tool bar mounting for tractors. Ser. No. 250,358, published Jan. 13, 1953.
Booker, Herbert, and R. J. Young, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of organic compounds. Ser. No. 175,287, published Jan. 13, 1953.
Bovey, Donald E., West Albany, N. Y., assignor to General Electric Company. Alternating current watt-meter circuit for use with direct current indicating instrument. Ser. No. 118,347, published Feb. 17, 1953.
Bower, John R., Jr., Stamford, Conn. Preparation of guanidine carbonate. Ser. No. 201,060, published June 30, 1953.
Brady, James M., West Long Branch, N. J. Expanding fluid thermometer having thermally sensitive bulb. Ser. No. 245,622, published Sept. 29, 1953.
Brewer, Walter, Jr.: *See*—
Guske, Edward J., and Brewer.
Buffalo Electro-Chemical Company, Inc., assignee: *See*—
Easton, Bernard K., and Kibbel.
Caldwell, John R., Kingsport, Tenn. Production of unsaturated acids. Ser. No. 252,194, published Aug. 18, 1953.
Caldwell, William F., Stamford, Conn. Preparation of melamine in a zirconium vessel. Ser. No. 224,839, published June 30, 1953.
Canadian International Paper Company, assignee: *See*—
Wayman, Morris, Charles, and Rapson.
Casey, Robert T., Bristol, Conn., assignor to General Electric Company. Bus bar distribution. Ser. No. 134,427, published Nov. 17, 1953.
Cawley, John D., J. G. Baxter, and L. Weisler, Rochester, N. Y. Polyene syntheses and compounds prepared thereby. Ser. No. 197,646, published Sept. 29, 1953.
Charles, Frank R.: *See*—
Wayman, Morris, Charles, and Rapson.
Clair, Alexander G., Rochester, N. Y. Producing photogravure plates. Ser. No. 83,114, published Feb. 17, 1953.
Clark Equipment Company, assignee: *See*—
Davies, Robert H.
Clark, George R., Rochester, N. Y. Baryta coating compositions and paper coated therewith. Ser. No. 112,408, published Sept. 29, 1953.
Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Radioactive ionization-amplification means and methods. Ser. No. 51,756, published Mar. 10, 1953.
Commerce, United States of America as represented by the Secretary of, assignee: *See*—
Rabinow, Jacob.
Craig, Leo S., Shrewsbury, N. J., assignor to the United States of America as represented by the Secretary of the Army. Electrolytic humidity elements. Ser. No. 205,167, published Sept. 29, 1953.
Crawford, Jack C., Rochester, N. Y. Composite film for use in color photography. Ser. No. 33,833, published Sept. 29, 1953.
Croxall, Willard J.: *See*—
Lo, Chien-Pen, Shropshire, and Croxall.
Curtiss-Wright Corporation, assignee: *See*—
Guske, Edward J., and Brewer.
Cushman, Walton W., Webb City, Mo. Multiple expansion telescopic mast or plunger. Ser. No. 18,045, published Mar. 10, 1953.
Darrow, Burgess, Akron, Ohio. Pneumatic tire construction. Ser. No. 156,440, published Aug. 18, 1953.
Davies, Robert H., Shaker Heights, Ohio, assignor to Clark Equipment Company, Buchanan, Mich. Vehicle drive means. Ser. No. 271,254, published May 12, 1953.
Dearborn Motors Corporation, assignee: *See*—
Boll, John H., and Raught.
Sawyer, Frederick D.
De Ment, Jack, Portland, Oreg. Protection of surfaces and portals from noxious atmosphere. Ser. No. 301, published June 30, 1953.
De Ment, Jack, Portland, Oreg. Luminescent projectile. Ser. No. 75,973, published Feb. 17, 1953.
De Ment, Jack, Portland, Oreg. Tobacco article. Ser. No. 158,075, published Sept. 8, 1953.
De Ment, Jack, Portland, Oreg. Fluorescent and carcinogenic smoke-producing compositions. Ser. No. 175,883, published Mar. 10, 1953.
De Ment, Jack, Portland, Oreg. Rocket weapon. Ser. No. 287,278, published Sept. 29, 1953.
De Ment, Jack, Portland, Oreg. Apparatus for decontaminating radioactive ships. Ser. No. 772,859, published Aug. 18, 1953.
De Ment, Jack, Portland, Oreg. Method and means for protection of structures from toxic atmosphere. Ser. No. 785,908, published Mar. 10, 1953.
Dickey, Joseph B., and E. B. Towne, Rochester, N. Y. Polyfluoromethylacetylenes and products obtained therefrom. Ser. No. 106,318, published Feb. 17, 1953.

Doll, Henri-Georges, Ridgefield, Conn., assignor to Schlumberger Well Surveying Corp., Houston, Tex. Radioactive shaped charges. Ser. No. 78,333, published Jan. 13, 1953.

Donovan, Thomas S.: *See*—
Bean, Frederic R., and Donovan.

Doyle, Malcolm G., Natick, Mass., assignor to General Electric Company. Face type shaft seal for washing machines. Ser. No. 85,820, published May 12, 1953.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Bass, Kenneth C., Jr.
Fields, Charles M.
Matthews, Thomas R., Jr.
Sanders, Philip F.

Eastman Kodak Company, assignee: *See*—
Tuttle, Fordyce E.

Easton, Bernard K., Kenmore, and W. H. Kibbel, Jr., Buffalo, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Bleaching viscose rayon. Ser. No. 224,847, published June 30, 1953.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Electrodes of powdered metals for dry cell. Ser. No. 121,044, published Jan. 13, 1953.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Plastic casing for alkaline dry cell. Ser. No. 194,002, published Jan. 13, 1953.

Endebrock, Roy W., Van Buren Township, Montgomery County, Ohio. Treating exhausts. Ser. No. 101,527, published Mar. 24, 1953.

English, Spofford G., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Counter holder. Ser. No. 628,317, published Mar. 24, 1953.

Ertel, Alfred: *See*—
Fulmer, Norman C., and Ertel.

Evans, John E., Blawenburg, N. J., assignor to Radio Corporation of America. Television distribution systems. Ser. No. 199,707, published June 30, 1953.

Fauser, Ernest E., and N. V. Seeger, Cuyahoga Falls, Ohio. Linear polyamide condensation products. Ser. No. 769,068, published Apr. 21, 1953.

Fay, Richard W., and W. T. Sumerford, Savannah, Ga., assignors to the United States of America as represented by the Administrator of the Federal Security Agency. Applying solid insecticides. Ser. No. 223,810, published Sept. 29, 1953.

Federal Security Agency, United States of America as represented by the Administrator of the, assignee: *See*—
Greenstein, Jesse P., and Price.
Fay, Richard W., and Sumerford.

Feldman, Julian, Pittsburgh, Pa. Recovery of tar acids. Ser. No. 283,482, published Sept. 8, 1953.

Fennell, Francis L., Niagara Falls, N. Y. Recovery of paper stock. Ser. No. 793,347, published June 30, 1953.

Fermi, Enrico, and L. Szilard, Chicago, Ill. Testing materials. Ser. No. 534,681, published Feb. 17, 1953.

Fernsler, George L., and H. Kihn, Lawrenceville, N. J., assignors to Radio Corporation of America. Television pickup devices. Ser. No. 66,952, published Jan. 13, 1953.

Fields, Charles M., Zanesville, Ohio, assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Extrusion coating of sheet materials. Ser. No. 153,704, published Aug. 18, 1953.

Firestone Tire & Rubber Company, The, assignee: *See*—
Barnhart, William S.

Flory, Paul J., Kent, Ohio. Preparing linear super polymers. Ser. No. 738,221, published Mar. 24, 1953.

Foster, John S., Jr., Montreal, Quebec, Canada, assignor to the United States of America as represented by the Secretary of War. Broad band coaxial line mixer. Ser. No. 678,171, published June 30, 1953.

Fowler, William F., Jr., Rochester, N. Y. Hardening polyvinyl alcohol photographic emulsion products. Ser. No. 96,629, published Jan. 13, 1953.

Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Photocomposing matrix. Ser. No. 254,168, published Apr. 21, 1953.

Fulmer, Norman C., Montclair, and A. Ertel, Newark, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable antenna system. Ser. No. 151,866, published Sept. 29, 1953.

Ganley, Gregory J., Fort Wayne, Ind., assignor to General Electric Company. Core clamp. Ser. No. 24,047, published Feb. 17, 1953.

Geiser, Kenneth R., Schenectady, N. Y., assignor to General Electric Company. Optical type pressure recording apparatus. Ser. No. 181,079, published Mar. 10, 1953.

Geltman, Alvin: *See*—
Akerman, John D., Stesin, and Geltman.

General Electric Company, assignee: *See*—
Adams, Alfred F., and Willyoung.
Appleyard, Alfred N.
Baker, Donald R.
Baker, John H.
Binck, Arthur S.
Bochan, John.
Bovey, Donald E.
Casey, Robert T.
Doyle, Malcolm G.
Ganley, Gregory J.
Geiser, Kenneth R.
Griffith, John S.

General Electric Company, assignee: *See*—Continued.
Hall, Charles M., and Robinson.
Hull, Thomas N., Jr.
Janos, Alfred G.
Jones, Harold A.
Kelley, Floyd C.
Kessler, Theodore P.
Mayor, Harry A., and Jacobs.
McFarland, Donald L.
McKim, James A.
Mulligan, Leo.
Nelson, Richard B.
Oliver, James H.
Page, Robert G., and Tillson.
Powlenko, Edward.
Revercomb, Henry E.
Shelton, Winston L.
Spooner, Laurence W.
Spurck, Richard F., and Nolte.
Warren, Glenn B.
Wilson, Robert C.
Worst, Joseph C.

Giacoletto, Lawrence J., West Windsor Township, N. J., assignor to Radio Corporation of America. Amplifier circuit. Ser. No. 283,847, published Aug. 18, 1953.

Greenstein, Jesse P., Silver Spring, Md., and V. E. Price, Washington, D. C., assignors to the United States of America as represented by the Administrator of the Federal Security Agency. Resolving racemic amino acids. Ser. No. 173,474, published Jan. 13, 1953.

Griffith, John S., Schenectady, N. Y., assignor to General Electric Company. Fuel injection head. Ser. No. 132,034, published Aug. 18, 1953.

Guske, Edward J., and W. Brewer, Jr., Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Pressure and temperature sensing device. Ser. No. 730,098, published Aug. 18, 1953.

Gustafson, Gerald A., Aberdeen, Md. Circular size gauge for tubular objects. Ser. No. 155,317, published Jan. 13, 1953.

Hall, Charles M., Trumbull, and J. H. Robinson, Stepney Depot, Conn., assignors to General Electric Company. Lint screening arrangement for clothes dryers. Ser. No 264,902, published Feb. 17, 1953.

Hall, Frank M., Rumson, N. J., assignor to the United States of America as represented by the Secretary of the Army. Spark plug shield. Ser. No. 206,092, published Sept. 29, 1953.

Halpern, Julius, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Flexible wave guide. Ser. No. 604,014, published Sept. 29, 1953.

Harrison, Lawrence H., Birmingham, Ala. Rectifier grounding device for alternating current circuits. Ser. No. 170,439, published Sept. 29, 1953.

Harvill, Edward K., Essex, assignor to Ernst Bischoff Company, Inc., Ivoryton, Conn. Zinc salts of adenosine-5-phosphoric acids. Ser. No. 171,569, published Mar. 24, 1953.

Hatkin, Leonard, Elberon, N. J., assignor to the United States of America as represented by the Secretary of the Army. Transmission system. Ser. No. 187,341, published June 30, 1953.

Hesseltin, Clifford W., Pearl River, and N. Bohonos, Nanuet, N. Y. Growth of pure yeast strains. Ser. No. 229,296, published Sept. 29, 1953.

Hoffman, James I., Chevy Chase, Md. Purification of uranyl nitrate by ether extraction. Ser. No. 661,339, published June 30, 1953.

Homrighous, Charles H., Oak Park, Ill. Time division multiplex radiophone systems. Ser. No. 41,087, published Sept. 29, 1953.

Homrighous, Paul W., Oak Park, Ill. Multiplex time division radiophone. Ser. No. 82,219, published Nov. 17, 1953.

Hull, Thomas N., Jr., Schenectady, N. Y., assignor to General Electric Company. Blade anchoring for axial flow compressor. Ser. No. 240,708, published Sept. 29, 1953.

Imperial Chemical Industries Limited, assignee: *See*—
Booker, Herbert, and Young.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Benson, Homer E., Schlesinger, and Alberts.
Staten, Fred W.
Wender, Irving, and Orchin.

Intertype Corporation, assignee: *See*—
Freund, Herman R.

Jacobs, Stephen: *See*—
Mayor, Harry A., and Jacobs.

Jacoby, Donald L., Long Branch, N. J., assignor to United States of America as represented by the Secretary of the Army. Diversity reception system. Ser. No. 200,272, published Sept. 8, 1953.

Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Control arrangement for auxiliary compartment for refrigerators. Ser. No. 203,391, published May 12, 1953.

Jensen, Edith A.: *See*—
Lambou, Madeline G., O'Connor, Jensen, and Laughlin.

Jones, Harold A., Fairfield, Conn., assignor to General Electric Company. Sequence control. Ser. No. 241,476, published May 12, 1953.

Juola, Arne W., River Grove, Ill. Reusable shipping container. Ser. No. 143,053, published Apr. 21, 1953.

Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Cladding of metal. Ser. No. 18,861, published Mar. 10, 1953.

Kent, Tracy A., Cottage City, Md. Sound actuated relay. Ser. No. 270,083, published June 30, 1953.

Kessler, Theodore P., Burlington, N. J., assignor to General Electric Company. Flow control device. Ser. No. 164,404, published Sept. 8, 1953.

Kibbel, William H., Jr.: *See*—
Easton, Bernard K., and Kibbel.

Klein, Isabel M.: *See*—
Adelman, Robert L., and Klein.

Lambou, Madeline G., R. E. O'Connor, E. A. Jensen, and P. A. Laughlin, Jr., New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Cottonseed mixer. Ser. No. 267,902, published Sept. 8, 1953.

Langsdorf, Alexander S., Jr., Chicago, Ill. Electric and magnetic circuit coupling methods and apparatus. Ser. No. 212,266, published June 30, 1953.

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Mofenson, Jack, Medford, Mass. Disclaimer filed by the assignee, Raytheon Manufacturing Company. No. 2,560,124; disclaimer filed Nov. 13, 1953; v. 677; p. 566.

Mozley, Robert F., Berkeley, Calif. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,613,317; disclaimer filed Sept. 23, 1953; v. 675; p. 553.

Mozley, Robert F., Hempstead, N. Y. Disclaimer filed by the assignee, The Sperry Corporation. No. 2,495,753; disclaimer filed Jan. 23, 1953; v. 667; p. 790.

Mumma, Harold J., Riverside, Calif. Disclaimer filed by the assignee, Food Machinery and Chemical Corporation. No. 2,540,751; disclaimer filed Jan. 29, 1953; v. 667; p. 790.

Parker, Norman W., Cincinnati, Ohio. Disclaimer filed by the assignee, Avco Manufacturing Corporation. No. 2,561,817; disclaimer filed June 5, 1953; v. 672; p. 298.

Parker, Norman W., Cincinnati, Ohio. Disclaimer filed by the assignee, Avco Manufacturing Corporation. No. 2,561,817; disclaimer filed July 10, 1953; v. 673; p. 312.

Peters, Carl F., Chicago, Ill. Disclaimer filed by the assignee, Arvey Corporation. No. 2,559,790; disclaimer filed Aug. 28, 1953; v. 674; p. 1103.

Poch, Waldemar J., Moorestown, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,313,966; disclaimer filed Apr. 22, 1953; v. 670; p. 914.

Preist, Donald H., Tiburon, Calif. Disclaimer filed by the inventor; the assignee, Eitel-McCullough, Inc., assenting and joining in. No. 2,554,500; disclaimer filed Aug. 25, 1953; v. 674; p. 835.

Regenhardt, Walter F., Cleveland, Ohio. Disclaimer filed by the inventor; licensee, Diebold, Incorporated, consenting. No. 2,169,769; disclaimer filed Dec. 10, 1952; v. 666; p. 310.

Revercomb, Henry Earl, and Donald E. Watts, De Witt, N. Y. Disclaimer filed by the assignee, General Electric Company. No. 2,467,230; disclaimer filed Dec. 17, 1952; v. 666; p. 884.

Reynolds, William B., Bartlesville, Okla., and Ernest W. Cotten, deceased, late of Bartlesville, Okla., by Richard K. Harris, Bartlesville, Okla., administrator. Disclaimer filed by the assignee, Phillips Petroleum Company. No. 2,540,011; disclaimer filed Jan. 23, 1953; v. 667; p. 790.

Seybold, Frederick W., Westfield, N. J. Disclaimer filed by the assignee, E. P. Lawson Co., Inc. No. 2,487,031; disclaimer filed Dec. 20, 1952; v. 666; p. 884.

Smith, John H., Upper Darby, Pa. Disclaimer filed by the assignee, General Cable Corporation. No. 2,457,094; disclaimer filed Jan. 21, 1953; v. 667; p. 502.

Smulski, Theodore J., Gary, Ind. Disclaimer filed by the inventor and the assignee, The Anderson Company. No. 2,615,085; disclaimer filed Dec. 11, 1952; v. 666; p. 310.

Sommers, Leo H., State College, Pa. Disclaimer filed by the assignee, Dow Corning Corporation. No. 2,605,273; disclaimer filed May 28, 1953; v. 671; p. 1221.

Sparrow, Hubert T., and Marvin G. Lindroth, Minneapolis, Minn. Disclaimer filed by the assignee, Minneapolis-Honeywell Regulator Company. No. 2,556,985; disclaimer filed May 28, 1953; v. 671; p. 1221.

Spiegel, Lawrence, Bronx, Charles Behensky, Rockland Lake, and Maurice Druck, Lido Beach, N. Y. Disclaimer filed by the assignee, House Beautiful Curtains, Inc. No. 2,584,635; disclaimer filed Jan. 26, 1953; v. 667; p. 502.

Stein, Louis H., Chicago, Ill. Disclaimer filed by the assignee, Aetna Ball & Roller Bearing Company. No. 2,140,818; disclaimer filed Apr. 17, 1953; v. 670; p. 308.

Steinberg, Richard K., Poughkeepsie, N. Y. Disclaimer filed by the assignee, International Business Machines Corporation. No. 2,621,313; disclaimer filed Oct. 23, 1953; v. 677; p. 8.

Stine, James Bryan, Chicago, Ill. Disclaimer filed by the assignee, Kraft Foods Company. No. 2,494,637; disclaimer filed Jan. 16, 1953; v. 667; p. 214.

Sutton, Ottis A., Wichita, Kans. Disclaimer filed by the assignee, The O. A. Sutton Corporation, Inc. No. 2,554,600; disclaimer filed Nov. 3, 1953; v. 677; p. 279.

Swain, Ralph R., South Euclid, Ohio. Disclaimer filed by the assignee, Bailey Meter Company. No. 2,540,966; disclaimer filed May 21, 1953; v. 671; p. 907.

Tautz, Herbert E., Milwaukee, Wis. Disclaimer filed by the assignee, Rockwell Manufacturing Company. No. 2,040,718; disclaimer filed Dec. 11, 1952; v. 666; p. 310.

Tobey, Raymond E., Springfield, Mass. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,500,778; disclaimer filed May 26, 1953; v. 672; p. 298.

Trafton, Warren L., Detroit, Mich. Disclaimer filed by the assignee, United-Carr Fastener Corporation. No. 2,571,394; disclaimer filed Apr. 8, 1953; v. 669; p. 950.

Turner, Clarence M., Stony Brook, N. Y. Disclaimer filed by the assignee, United States of America as represented by the United States Atomic Energy Commission. No. 2,548,452; disclaimer filed Aug. 27, 1953; v. 674; p. 554.

Vernam, Gilbert S., Hackensack, N. J. Disclaimer filed by the assignee, The Western Union Telegraph Company. No. 2,587,253; disclaimer filed Nov. 16, 1953; v. 677; p. 279.

Watson, Robert A., St. Louis, Mo. Disclaimer filed by the inventor; the assignee, Missouri Automatic Control Corporation, assenting. No. 2,639,352; disclaimer filed Oct. 19, 1953; v. 676; p. 623.

Wheaton, Estel O., Toledo, Ohio. Disclaimer filed by the assignee, General Motors Corporation. No. 2,181,647; disclaimer filed Mar. 12, 1953; v. 669; p. 7.

Wheaton, Estel O., Toledo, Ohio. Disclaimer filed by the assignee, General Motors Corporation. No. 2,320,960; disclaimer filed Mar. 12, 1953; v. 669; p. 7.

Wheaton, Estel O., Toledo, Ohio. Disclaimer filed by the assignee, General Motors Corporation. No. 2,465,334; disclaimer filed Mar. 12, 1953; v. 669; p. 7.

White, Alfred B., Murrysville, Pa. Disclaimer filed by the assignee, Westinghouse Electric Corporation. No. 2,473,927; disclaimer filed July 29, 1953; v. 673; p. 867.

Wisman, Franklin O., South Bend, Ind. Disclaimer filed by the assignee, Bendix Aviation Corporation. No. 2,509,662; disclaimer filed June 10, 1953; v. 673; p. 10.

Witzel, Ernst, Milwaukee, Wis. Disclaimer filed by the assignee, Milwaukee Gas Specialty Company. No. 2,506,403; disclaimer filed May 4, 1953; v. 671; p. 315.

Wolff, Irving, and Ralph S. Holmes, Haddonfield, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,403,626; disclaimer filed July 20, 1953; v. 673; p. 595.

Woodward, John D., Sewell, N. J. Disclaimer filed by the assignee, Radio Corporation of America. No. 2,523,244; disclaimer filed July 20, 1953; v. 673; p. 867.

1953

VETERANS' PATENTS EXTENDED

June 30, 1950 to November 1, 1953

Public Law 598, 81st Congress, approved June 30, 1950 (64 Stat. 316); Public Law 437, 82d Congress, July 1, 1952 (66 Stat. 321)

Alexander, John R., Pat. No. 2,119,192, issued May 31, 1938; extended for 7 years and 173 days.

Alexander, John R., Pat. No. 2,244,040, issued June 3, 1941; extended for 7 years and 173 days.

Anderson, Miles, Pat. No. 2,233,119, issued Feb. 25, 1941; extended for 6 years and 106 days.

Arthur, Charles J., Pat. No. 2,289,859, issued July 14, 1942; extended for 6 years and 88 days.

Atkeson, Florian V., Re. Pat. No. 23,245, issued July 4, 1950; extended for 3 years and 315 days.

Bodie, William P., Pat. No. 2,135,098, issued Nov. 1, 1938; extended for 4 years and 147 days.

Bonner, Ernest N., Pat. No. 2,127,715, issued Aug. 23, 1938; extended for 2 years and 263 days.

Buckman, Henry H., Pat. No. 1,871,877, issued Aug. 16, 1932; extended for 6 years and 214 days.

Buhr, Victor, Pat. No. 1,930,414, issued Oct. 10, 1933; extended for 5 years and 152 days.

Caskey, Floyd G., Pat. No. 1,961,871, issued June 5, 1934; extended for 7 years and 131 days.

Clabeaux, Robert J., Pat. No. 2,142,436, issued Jan. 3, 1939; extended for 6 years and 30 days.

Corwell, John H., Pat. No. 2,016,667, issued Oct. 8, 1935; extended for 5 years and 354 days.

Cox, George Chandler, Pat. No. 2,200,469, issued May 14, 1940; extended for 6 years and 191 days.

Crompton, George, Jr., Pat. No. 1,980,666, issued Nov. 13, 1934; extended for 6 years and 63 days.

Crompton, George, Jr., Pat. No. 2,343,135, issued Feb. 29, 1944; extended for 2 years and 254 days.

Davidson, Walter S., Pat. No. 1,991,597, issued Feb. 19, 1935; extended for 2 years and 287 days.

De Mark, Nicholas, Pat. No. 2,039,065, issued Apr. 28, 1936; extended for 5 years and 360 days.

Dvorak, August, et al., Pat. No. 2,040,248, issued May 12, 1936; extended for 6 years and 93 days.

Eason, Sidney Lanier, Pat. No. 2,003,503, issued June 4, 1935; extended for 6 years and 57 days.

Eason, Sidney Lanier, Pat. No. 2,215,349, issued Sept. 17, 1940; extended for 6 years and 57 days.

Ettinger, Ralph, Pat. No. 1,883,657, issued Oct. 18, 1934; extended for 6 years and 199 days.

Flude, John William, Pat. No. 2,283,200, issued May 19, 1942; extended for 4 years and 243 days.

Flude, John W., Pat. No. 2,324,378, issued July 13, 1943; extended for 4 years and 143 days.

Garth, Ernest D. G., Pat. No. 2,258,605, issued Oct. 14, 1941; extended for 7 years and 173 days.

Jones, Clifford C., Pat. No. 2,019,819, issued Nov. 5, 1935; extended for 6 years and 91 days.

Jones, Clifford C., Pat. No. 2,078,854, issued Apr. 27, 1937; extended for 6 years and 90 days.

Keyes, Harmon E., Re. Pat. No. 21,215, issued Sept. 26, 1939; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 1,823,831, issued Sept. 15, 1931; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 1,928,728, issued Oct. 3, 1933; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 1,952,675, issued Mar. 27, 1934; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 1,971,416, issued Aug. 28, 1934; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 2,009,667, issued July 30, 1935; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 2,036,578, issued Apr. 7, 1936; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 2,070,133, issued Feb. 9, 1937; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 2,070,134, issued Feb. 9, 1937; extended for 6 years and 83 days.

Keyes, Harmon E., Pat. No. 2,130,278, issued Sept. 13, 1938; extended for 6 years and 82 days.

Keyes, Harmon E., Pat. No. 2,304,178, issued Dec. 8, 1942; extended for 4 years and 81 days.

Keyes, Harmon E., Pat. No. 2,332,047, issued Oct. 26, 1943; extended for 2 years and 168 days.

Klipsch, Paul W., Pat. No. 2,310,243, issued Feb. 9, 1943; extended for 6 years and 120 days.

Kottes, George Leonidas, Pat. No. 2,116,028, issued May 3, 1938; extended for 7 years and 173 days.

Kottes, George Leonidas, Pat. No. 2,296,999, i
29, 1942; extended for 5 years and 311 days

Lohman, Ralph W., Pat. No. 1,739,513, issue
1929; extended for 5 years and 298 days.

Miller, Thomas G., Pat. No. 2,158,078, issued Ma
extended for 7 years and 174 days.

Miller, Thomas G., Pat. No. 2,158,079, issued Ma
extended for 7 years and 174 days.

Miller, Thomas G., Pat. No. 2,275,454, issue
1942, extended for 6 years and 352 days.

Moore, Howard Nelson, Pat. No. 2,270,686, issu
1942; extended for 7 years and 17 days.

Morehouse, Terry Bryan, Pat. No. 2,042,353,
26, 1936; extended for 5 years and 38 days.

Pearl, Harmon H., Pat. No. 2,045,248, issue
1936; extended for 5 years and 86 days.

Reyniers, James A., Pat. No. 2,185,711, issu
1940; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,219,564, issue
1940; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,244,082, issue
1941; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,248,199, issued Ju
extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,335,697, issue
1943; extended for 2 years and 328 days.

Reyniers, James A., Pat. No. 2,369,980, issue
1945; extended for 292 days.

Reyniers, James A., Pat. No. 2,369,981, issue
1945; extended for 292 days.

Richards, Arthur J., Pat. No. 2,265,613, issu
1941; extended for 6 years and 210 days.

Rowley, Charles A., Des. Pat. No. 109,647, issue
1938; extended for 5 years and 216 days.

Rowley, Charles A., Pat. No. 1,845,522, issue
1932; extended for 5 years and 216 days.

Rowley, Charles A., Pat. No. 1,915,869, issue
1933; extended for 5 years and 216 days.

Rowley, Charles A., Pat. No. 2,023,451, issue
1935; extended for 5 years and 216 days.

Salembier, Maurice Albert, Jr., Pat. No. 2,123,
July 19, 1938; extended for 6 years and 32

Sands, William Hupp, Pat. No. 2,129,627, issu
1938; extended for 6 years and 30 days.

Satterthwait, Charles S., Pat. No. 1,969,279, i
7, 1934; extended for 6 years and 234 days.

Schuppner, Harry R., Pat. No. 2,197,160, issue
1940; extended for 7 years and 173 days.

Shively, John J., Pat. No. 2,071,903, issued Feb.
extended for 5 years and 38 days.

Shively, John J., Pat. No. 2,115,431, issued Apr.
extended for 5 years and 38 days.

Silverman, Sebet, Pat. No. 2,065,406, issued Dec.
extended for 3 years and 320 days.

Stemme, Norman J., Pat. No. 2,288,044, issue
1942; extended for 7 years and 79 days.

Thomas, Raymond G., Pat. No. 1,724,785, issue
1929; extended for 7 years and 147 days.

Thompson, Milton T., Pat. No. 1,971,057, issue
1934; extended for 11 months and 25 days.

Truesdall, John S., Pat. No. 2,115,969, issued Ma
extended for 5 years and 55 days.

Vaughn, Sidney P., Pat. No. 2,114,891, issued
1938; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,114,892, issued
1938; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,150,196, issued
1939; extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,153,601, issued
1939; extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,163,638, issued
1939; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,165,319, issued
1939; extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,186,050, issued Jan
extended for 7 years and 174 days.

Vaughn, Sidney P., Pat. No. 2,210,967, issued
1940; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,229,147, issued
1941; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,255,091, issued
1941; extended for 7 years and 173 days.

Vaughn, Sidney P., Pat. No. 2,298,320, issued Oct. 13, 1942; extended for 5 years and 283 days.
Vaughn, Sidney P., Pat. No. 2,313,787, issued Mar. 16, 1943; extended for 4 years and 341 days.
Vaughn, Sidney P., Pat. No. 2,358,673, issued Sept. 19, 1944; extended for 1 year and 331 days.
Walker, Brooks, Re. Pat. No. 18,904, issued July 25, 1933; extended for 6 years and 214 days.
Walker, Brooks, Re. Pat. No. 20,707, issued Apr. 26, 1938; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,742,566, issued Jan. 7, 1930; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,853,326, issued Apr. 12, 1932; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,884,932, issued Oct. 25, 1932; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,884,933, issued Oct. 25, 1932; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,948,951, issued Feb. 27, 1934; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 1,990,150, issued Feb. 5, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,002,724, issued May 28, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,005,173, issued June 18, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,016,619, issued Oct. 8, 1935; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,075,877, issued Apr. 6, 1937; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,077,135, issued Apr. 13, 1937; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,131,306, issued Sept. 27, 1938; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,136,570, issued Nov. 15, 1938; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,139,341, issued Dec. 6, 1938; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,158,736, issued May 16, 1939; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,180,024, issued Nov. 14, 1939; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,276,896, issued Mar. 17, 1942; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,276,897, issued Mar. 17, 1942; extended for 6 years and 214 days.
Walker Brooks, Pat. No. 2,276,898, issued Mar. 17, 1942; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,301,485, issued Nov. 10, 1942; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,311,716, issued Feb. 23, 1943; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,337,074, issued Dec. 21, 1943; extended for 6 years and 214 days.
Walker, Brooks, Pat. No. 2,355,931, issued Aug. 15, 1944; extended for 6 years and 214 days.
Weisbender, Eugene R., Pat. No. 2,288,970, issued July 7, 1942; extended for 5 years and 189 days.
White, Albert, Pat. No. 1,958,556, issued May 15, 1934; extended for 4 years and 25 days.
Womack, David R., Pat. No. 2,319,837, issued May 25, 1943; extended for 6 years and 169 days.
Zank, Donald G., Pat. No. 2,284,352, issued May 26, 1942; extended for 4 years and 47 days.

1953
LIST OF INVENTIONS

This list includes reissue inventions

Abacus. S. F. Don Dero. 2,655,737, Oct. 20.
Abacus. O. Seidenberg. 2,654,164, Oct. 6.
Abacus and counting rack, Combined. N. Lazar. 2,646,631, July 28.
Abnormal voltage indicating device. W. H. Bixby. 2,645,765, July 14.
Abradant supplying means. J. J. Hunt. 2,663,127, Dec. 22.
Abrader for peeling vegetables. F. Carlstedt. 2,633,884, Apr. 7.
Abrading device. F. Cooke. 2,649,667, Aug. 25.
Abrading machine. J. Desenberg. 2,629,975, Mar. 3.
Abrading machine. H. N. Seyferth. 2,656,651, Oct. 27.
Abrading machine, Portable power-operated. W. G. Mitchell. 2,654,190, Oct. 6.
Abrading tool. J. Pavlovic. 2,645,064, July 14.
Abrading tool. H. D. Snell. 2,624,161, Jan. 6.
Abrading unit. J. M. Radabaugh. 2,641,878, June 16.
Abrading wheel. S. Goldberg. 2,660,009, Nov. 24.
Abrasion and corrosion resistant white cast iron. A. P. Gagnebin and L. L. Seigle. 2,662,011, Dec. 8.
Abrasive articles. N. P. Robie. 2,638,413, May 12.
Abrasive articles and making the same, Reinforced. O. S. Buckner. 2,643,945, June 30.
Abrasive belt, Coated. W. G. Nuessle. 2,637,056, May 12.
Abrasive belt tool. J. Y. Blazek. 2,647,350, Aug. 4.
Abrasive block or segment. A. S. Titcomb. Re. 23,717, Sept. 29.
Abrasive-coated sheet material, Conformable. R. S. Frigstad. 2,627,145, Feb. 3.
Abrasive Composition. C. C. Fowler. 2,649,362, Aug. 18.
Abrasive disk. V. L. Loofboro and R. A. White. 2,624,986–7, Jan. 13.
Abrasive positioning means for abrading machines. R. T. Osman. 2,632,982, Mar. 31.
Abrasive ribbon holder. J. Batura. 2,637,955, May 12.
Abrasive sponge material and the product resulting therefrom, Making an. C. L. Wilson and G. H. Schilling. 2,636,013, Apr. 21.
Abrasive tool. G. F. Ritter. 2,663,071, Dec. 22.
Abrasive wheel and bushing therefor and making same. R. D. Mitchell, R. F. Pahl, and H. M. Hunter. 2,648,177, Aug. 11.
Abrasive wheel coolant spraying spindle. E. W. Speicher. 2,626,493, Jan. 27.
Abrasive wheel dresser. O. H. Calloway. 2,642,856, June 23.
Abrasive wheel dressing tool. H. G. Teather. 2,660,994, Dec. 1.
Absorbent collar protector. A. N. Jackson. 2,634,420, Apr. 14.
Absorbent holder. E. B. Davis. 2,655,281, Oct. 13.
Absorbent pad holder with retaining clamp structure. H. A. Garmers. 2,625,739, Jan. 20.
Absorber for use in treating gases. L. R. Cartier. 2,643,525, June 30.
Absorption method for separating hydrocarbon gases. R. W. Heath. 2,640,008, May 26.
Absorption of carbon dioxide from gases containing the same. F. Porter and J. C. Eck. 2,649,166, Aug. 18.
Absorption-refrigerating apparatus. G. T. Piper. 2,649,700, Aug. 25.
Absorption refrigeration. S. M. Backstrom. 2,631,443, Mar. 17.
Absorption refrigeration. S. M. Bäckström. 2,640,331, June 2.
Absorption refrigeration. N. E. Berry. 2,625,800, Jan. 20.
Absorption refrigeration. A. G. Hellstrom. 2,630,689–90, Mar. 10.
Absorption refrigeration. W. G. Kögel. 2,635,436, Apr. 21.
Absorption refrigeration. W. G. Kogel. 2,655,010, Oct. 13.
Absorption refrigeration. C. A. Miller, V. G. Dreier, and W. Gilchrist. 2,629,234, Feb. 24.
Absorption refrigeration. W. M. Simpson. 2,625,803, Jan. 20.
Absorption refrigeration. W. M. Simpson. 2,663,165, Dec. 22.
Absorption refrigeration. E. P. Whitlow. 2,625,801–2, Jan. 20.
Absorption refrigeration apparatus. A. G. Gross. 2,624,182, Jan. 6.
Accelerated condensing organopolysiloxane compositions. S. Nitzsche. 2,645,629, July 14.
Accelerating to high energy electrically charged particles, Method of and apparatus for. E. M. McMillan. 2,624,841, Jan. 6.
Acceleration-compensated system. D. 2,634,610, Apr. 14.
Acceleration correction of gyroverticals. J. 2,630,017, Mar. 3.
Acceleration sensing device. W. Hausz. 2,63 12.
Accelerator attachment, Automobile. J. 2,628,507, Feb. 17.
Accelerator brake apparatus. R. C. Sherwood, ningham, A. C. Walgamott, and J. C. Urban. Jan. 20.
Accelerator control for automobiles. J. R 2,624,433, Jan. 6.
Accelerator controlled switch. M. A. Zarski. May 12.
Accelerator controlled vehicle warning light. and C. E. Seaberg. 2,662,132, Dec. 8.
Accelerator device, Auxiliary foot. C. A. 2,658,411, Nov. 10.
Accelerator, Electron. K. Gund, H. Berger, M. and R. Schittenhelm. 2,637,818, May 5.
Accelerator holding means. D. J. Munson. May 12.
Accelerator, Magnetic induction. R. Wideröe. Mar. 10.
Accelerator, Magnetic induction. R. Wideröe. Dec. 22.
Accelerometer. J. Clark. 2,643,869, June 30.
Accelerometer. J. J. Gilvarry and D. F. 2,641,458, June 9.
Accelerometer. R. W. Ketchledge. 2,650,991, Accelerometer. R. C. Taylor and L. J. Vincent. Feb. 17.
Accelerometer, Angular. T. W. Sheppard. Oct. 20.
Accelerometer, Bonded wire strain-gauge. E. W I. Vigness, and S. G. Holt. 2,638,335, May Accelerometer. Integrating. J. H. And 2,643,870, June 30.
Accelerometer, Integrating. C. N. Hickman. Nov. 17.
Accelerometer, Manometric. R. E. Bareford. Dec. 15.
Accelerometer pickup of very small size and von Wittern. 2,653,302, Sept. 22.
Accessory bracket. F. A. Krohm. 2,626,771, Ja
Accessory for automobile bodies, Pressure-relief 2,641,501, June 9.
Accessory for flies. B. Tvedt. 2,642,861, Jun
Accessory for vehicles, Novel ornamental. W 2,637,928, May 12.
Accessory pump structure for engines. J. W 2,625,144, Jan. 13.
Accessory system. A. Rappl. 2,641,107, June
Accessory system and filter therefor. J. 2,653,444, Sept. 29.
Accommodation and storage of crockery. 2,664,193, Dec. 29.
Accounting and filing system. H. Weston. Apr. 14.
Accounting device. J. Hirsch. 2,625,408, Jan.
Accounting device, Automatic. E. W. Flint. Apr. 21.
Accounting device, Automatic. A. E. Joel, Jr. Mar. 3.
Accounting device, Automatic. A. E. Joel, Jr., Rippere. 2,630,270, Mar. 3.
Accounting machine. T. M. Butler. 2,644,637,
Accounting machine. P. Spurlino, A. G. Kil Moser, and E. H. Wolf. 2,639,857, May 26.
Accounting machine for handling nondecima E. J. Rabenda. 2,658,083, Nov. 10.
Accounting machine having relatively adjusta and control carriages. O. W. Swanson. Sept. 1.
Accounting system, Automatic message. G. A. A. Weaver. 2,642,493, June 16.
Accounting system, Automatic message. J. B. 2,639,092, May 19.
Accumulating control mechanism. H. P. Luhn. July 14.
Accumulator. J. C. Koch. 2,636,587, Apr. 28.
Accumulator. R. E. Snyder. 2,663,320, Dec. 2
Accumulator-carriage and drive-shaft interlock ture-type calculating machines. F. Mark. Dec. 1.

Accumulator drive control mechanism. R. E. Boyden. 2,648,497, Aug. 11.
Accumulator entry control means for record controlled machines. L. A. Wilson and B. M. Durfee. 2,651,460, Sept. 8.
Accumulator feathering system for variable pitch propeller control. R. E. Moore, E. W. Lape, and O. F. Flaugh. 2,653,669, Sept. 29.
Accumulator for use in statistical machines. A. Thomas. 2,638,275, May 12.
Acenaphthylene resins, Manufacture of. M. Kaufman and A. F. Williams. 2,632,749, Mar. 24.
Acetals, Preparation of. W. E. Thiele. 2,662,099, Dec. 8.
Acetic acid from methanol, Production of. E. B. Thomas and E. H. Alcock. 2,650,246, Aug. 25.
Acetic acid, Production of. J. L. Stein. 2,650,244, Aug. 25.
Acetone-formaldehyde condensation products, Manufacturing. D. M. Gagarine. 2,641,591, June 9.
Acetylene by incomplete combustion of hydrocarbons, Production of. H. Sachsse, T. Kosbahn, and E. Lehrer. 2,630,461, Mar. 3.
Acetylene by incomplete combustion of hydrocarbons, Production of. H. Sachsse, T. Kosbahn, and E. Lehrer. 2,664,450, Dec. 29.
Acetylene from liquid hydrocarbons, Production of. W. von Ediger. 2,632,731, Mar. 24.
Acetylene gas generator with constant pressure. F. Passeri. 2,656,261, Oct. 20.
Acetylene, Producing. R. L. Hasche. 2,645,673, July 14.
Acid adsorbing resin adsorption product. E. L. Gustus. 2,645,627, July 14.
Acid-alkali process for the preparation of cellulose fibers. J. D. Atkinson, Jr., and L. N. Rogers. 2,625,474, Jan. 13.
Acid dyestuffs of the anthraquinone series. S. von Allmen and H. Eggenberger. 2,659,736, Nov. 17.
Acid fractional esters of oxypropylated hexanetriol-1,2,6. M. De Groote. 2,652,424, Sept. 15.
Acid-resistant ultramarine pigment and preparation thereof. F. J. Schwahl. 2,628,920, Feb. 17.
Acid-resistant wet strength paper. T.-J. Suen. 2,639,242, May 19.
Acid resisting microporous material for storage battery separators, Making. F. Booth. 2,647,158, July 28.
Acidic esters of oxyalkylated tetramethylolcyclohexanol. M. De Groote. 2,652,418, Sept. 15.
Acidic fractional ester of a polycarboxylic acid with oxypropylated allyl starch. M. De Groote. 2,626,938, Jan. 27.
Acidic fractional ester of a polycarboxylic acid with oxypropylated glucose. M. De Groote. 2,626,935.
Acidizing siliceous earth formations. D. C. Bond and R. H. Lorenz. 2,652,360, Sept. 15.
Acidizing wells. D. C. Bond. 2,664,398, Dec. 29.
Acidproofing the surface of porous calcareous articles. C. Brouwer. 2,657,154, Oct. 27.
Acidulation of phosphate rock. E. A. Winter. 2,636,806, Apr. 28.
Acoustic device, Explosion-proof. A. L. Pittinger. 2,655,566, Oct. 13.
Acoustic device with an inverted horn having a throat vented to the atmosphere. S. L. Heidrich. 2,642,947, June 23.
Acoustic diaphragm with flexible rim portion and rigid body portion. J. B. Brennan. 2,624,417, Jan. 6.
Acoustic ear pendant. D. F. Balmer. 2,641,327, June 9.
Acoustic means and method for suppressing detonation in internal-combustion engines. A. G. Bodine, Jr. 2,662,513, Dec. 15.
Acoustic sleep-inducing apparatus. C. Beazley. 2,644,153, June 30.
Acoustical apparatus. P. T. Russell. 2,644,123, June 30.
Acrolein acetal, Preparation of. R. R. Whetstone. 2,626,283, Jan. 20.
Acrylonitrile by catalytic dehydration of ethylene cyanohydrin, Production of. E. L. Carpenter. 2,646,444, July 21.
Acrylonitrile compositions and making the same. H. W. Wehr and F. B. Nagle. 2,646,424, July 21.
Acrylonitrile copolymers. G. E. Ham. 2,650,151, Aug. 25.
Acrylonitrile copolymers, Dyeable. P. W. Gann and G. E. Ham. 2,656,325, Oct. 20.
Acrylonitrile copolymers, Dyeable. G. E. Ham. 2,656,326, Oct. 20.
Acrylonitrile polymer solutions and articles formed therefrom. J. R. Caldwell. 2,656,328, Oct. 20.
Acrylonitrile polymers. H. A. Bruson. 2,631,995, Mar. 17.
Acrylonitrile polymers dissolved in solvent mixtures comprising nitromethane and water. R. G. Beaman. 2,658,879, Nov. 10.
Acrylonitrile polymers plasticized with aqueous inorganic salt solutions. G. W. Stanton, T. B. Lefferdink, and T. C. Spence. 2,648,649, Aug. 11.
Acrylonitrile polymers, Preparing. C. H. Basdekis. 2,635,090, Apr. 14.
Acrylonitrile, Preparing. R. A. Franz. 2,659,748, Nov. 17.
Acrylonitrile, Producing. G. H. Lovett. 2,649,472, Aug. 18.
Acrylonitrile, Production of. R. M. Thomas. 2,653,965, Sept. 29.
Acrylonitrile-vinyl amine interpolymers and making. D. W. Chaney and H. G. Sommar. 2,641,524, June 9.
Acrylonitrile-vinylpyridine polymers, Preparation of. G. M. Rothrock. 2,640,049, May 26.
Action for upright pianos. R. A. Wolfe. 2,657,608, Nov. 3.
Activated carbon, Producing. H. Rodman, Jr. 2,648,637, Aug. 11.
Activating chromia-alumina catalyst. R. L. Smith. 2,635,082, Apr. 14.
Activation and esterification of amylaceous polysaccharides. R. L. Lohmar, Jr. 2,627,516, Feb. 3.
Activation of cellulose. L. A. Hiller, Jr. 2,631,144, Mar. 10.
Active carbon, Manufacture of. J. W. Hassler and W. E. McMinn. 2,632,738, Mar. 24.
Active magnesium oxide, Producing. T. Woodward. 2,658,814, Nov. 10.
Actuating and locking means for the handles of plier type tools. W. Sarvie. Re. 23,761, Dec. 29.
Actuating dust collectors, Method and apparatus for. W. Bruckner. 2,633,206, Mar. 31.
Actuating means for advancing and locking jaws of vises and like fixtures. R. C. Heinrich. 2,638,804, May 19.
Actuating means for antennas and the like. F. V. Gosline. 2,641,135, June 9.
Actuating mechanism. E. J. Dillman. 2,657,711, Nov. 3.
Actuating mechanism especially for hand levers. F. G. Nicolaus. 2,627,752, Feb. 10.
Actuating mechanism for automatic electric toasters and the like. A. E. Smith. 2,655,860, Oct. 20.
Actuating mechanism for impact machines. E. C. Lundeberg. 2,641,941, June 16.
Actuating the door locks of motor cars, Means for. J. H. Orr. 2,661,976, Dec. 8.
Actuating valves and other reciprocating parts, Means for. W. P. Mansfield. 2,641,236, June 9.
Actuator. H. M. Geyer and N. J. Bullock. 2,642,752, June 23.
Actuator for machine elements. C. L. Garrison. 2,641,092, June 9.
Actuator for speed changing mechanism. I. H. Williams and R. K. Super. 2,657,585, Nov. 3.
Actuator, Motor driven. H. M. Geyer and D. K. Ferris. 2,639,625, May 26.
Actuator rod with automatic locking action and rapid release, Longitudinally shifted. H. H. Merriman. 2,646,694, July 28.
Acylamino alkylsulphone anthraquinone vat dyestuffs. W. Jenny and W. Kern. 2,644,824, July 7.
Acyl P-amino-phenols, Preparation of. D. W. Young and B. M. Vanderbilt. 2,653,158, Sept. 22.
Acylated complex oxygen-containing polyamines. D. Harman and H. J. Sommer. 2,640,822, June 2.
Acylated imidazolines and preparing the same. L. O. Gunderson. 2,647,125, July 28.
Acylated polystyrene. J. M. Butler. 2,642,398, June 16.
Acyloxyethyl isocyanates, Preparing. V. P. Wystrach and J. T. Thurston. 2,626,278, Jan. 20.
Acyloxy silanes. J. B. Rust and H. V. Joy. 2,634,285, Apr. 7.
Adapter control assembly for variable-speed power transmission. P. B. Reeves. 2,636,396, Apr. 28.
Adapter features of motor stands. F. C. Wilson and G. F. Silliman. 2,654,147, Oct. 6.
Adapter for cameras, Range finder. W. Blue. 2,649,038, Aug. 18.
Adapter for connecting windshield wiper blades to actuating arms. F. A. Krohm. 2,632,908, Mar. 31.
Adapter for faucets. T. A. Buickerood. 2,627,387, Feb. 3.
Adapter for miniature tubes. F. D. Mirabella. 2,659,061, Nov. 10.
Adapter for phonograph records. C. B. Dale. 2,651,523, Sept. 8.
Adapter for pipe threaders, Power drive. R. B. Farmer. 2,634,437, Apr. 14.
Adapter for uncoilers. C. T. Lanstrom and J. E. Leaver. 2,661,911, Dec. 8.
Adapting machine tools for profiling purposes, Means for. E. S. Saxton. 2,653,518, Sept. 29.
Added air charge and water injection system. L. R. Bester. 2,642,852, June 23.
Adding machine. I. Engstrom. 2,634,056, Apr. 7.
Adding solid materials to liquid, Means for. E. W. Baily. 2,661,244, Dec. 1.
Adding yarn ends, Method and apparatus for. R. C. Pollman. 2,648,891, Aug. 18.
Addition agent and introducing magnesium into cast iron. A. D. Busby. 2,663,635, Dec. 22.
Addition compounds of amines and halides of aluminum and boron. F. J. Sowa. 2,655,524, Oct. 13.
Addition compounds of rosin and maleic anhydride and their production. R. V. Lawrence and O. S. Eckhardt. 2,628,226, Feb. 10.
Addition materials for iron and steel manufacture and use thereof. J. C. Vignos. 2,639,232, May 19.
Addition of alkali-metal silicofluorides to latex. C. F. Eckert. 2,653,918, Sept. 29.
Addition of fatty alcohol to yeast raised bakery products. P. Kass. 2,657,143, Oct. 27.
Addition of urea to viscose. G. A. Richter, Jr. 2,648,611, Aug. 11.

Addition product of thianaphthene sulfone and malonic acid esters. W. H. McKellin, F. G. Bordwell, and O. C. E. Fishkill. 2,648,677, Aug. 11.
Addition products. J. Dazzi. 2,630,441, Mar. 3.
Additive proportioner for fluid lines. H. W. Hosmer and H. E. Chamberlain. 2,628,129, Feb. 10.
Additives for use in extreme pressure gear oils. F. B. Fischl and M. W. Hill. 2,640,030, May 26.
Addressing machine. R. L. Kerr and R. Albrecht. 2,632,384, Mar. 24.
Addressing machine, Bed and platen. R. L. Kerr. 2,643,606, June 30.
Adduct of 5,7,9 (11)-pregnatrien-20-one. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,636,031, Apr. 21.
Adducts of thianaphthene-1-1-dioxide. O. C. Elmer. 2,664,426, Dec. 29.
Adducts of 3-substituted-9,11-oxido - 5,7 - pregnadien - 20-ones. R. H. Levin, A V. McIntosh, Jr., and G. B. Spero. 2,655,499, Oct. 13.
Adducts, Preparing. J. Dazzi. 2,661,359, Dec. 1.
Adenylic acid salts-gelatin composition. E. K. Harvill. 2,653,901, Sept. 29.
Adhesion of polymeric materials to glass. F. J. Carlin. 2,628,922, Feb. 17.
Adhesion of rubber to fiber. M. W. Wilson. 2,652,353, Sept. 15.
Adhesive. M. F. Wildish. 2,624,715, Jan. 6.
Adhesive and coating composition from synthetic copolymers. R. N. Crozier and W. K. Wilson. 2,643,238, June 23.
Adhesive applier for fiber containers. E. W. Lager, H. E. Haase, and J. J. Prohaska. 2,642,031, June 16.
Adhesive applying device for case closing and sealing apparatus. K. Holstebroe, E. Ardell, and L. Wimmer. 2,657,664, Nov. 3.
Adhesive composition. C. E. Gleim. 2,630,420, Mar. 3.
Adhesive composition comprising a diisocyanate modified polyester. E. Windemuth. 2,650,212, Aug. 25.
Adhesive composition comprising a urea-aldehyde resin and tetrahydrofurfuryl alcohol. L. E. Clark, Jr., and C. F. MacLagan. 2,662,066, Dec. 8.
Adhesive composition containing butadiene-styrene copolymer and tack-producing resin. S. L. Brams. 2,643,235, June 23.
Adhesive composition for electroplating forms. M. Schwartz. 2,635,053, Apr. 14.
Adhesive composition, structure embodying same, and making. D. D. M. Streed and J. M. Broadhurst. 2,650,181, Aug. 25.
Adhesive compositions comprising polymerized methyl methacrylate, an ester of salicylic acid and an organic solvent. S. A. Leader. 2,624,690, Jan. 6.
Adhesive compositions from mixtures of chlorinated and hypochlorinated rubber. L. A. Brooks. 2,637,751, May 5.
Adhesive compositions, including an amylaceous material and a triazone. T. A. Martone, Jr. 2,641,584, June 9.
Adhesive comprising methyl isopropenyl ketone-butadiene copolymer. G. E. Hulse. 2,637,710, May 5.
Adhesive containing a butadiene styrene copolymer. G. E. Hulse. 2,649,425, Aug. 18.
Adhesive extruder for bookbinding machines. R. E. Fogg. 2,660,148, Nov. 24.
Adhesive for plaster of Paris for bandage use. J. J. Eberl and A. R. Ingram. 2,655,148, Oct. 13.
Adhesive from whey and making it. G. L. Tschabold and D. L. Mueller. 2,624,679, Jan. 6.
Adhesive having improved storage stability, Craze-resistant. D. G. Patterson. 2,634,255, Apr. 7.
Adhesive means for attaching articles together. H. H. Mahler. 2,658,246, Nov. 10.
Adhesive sheet material, Pressure sensitive. J. B. Martin and C. S. Funk. 2,648,614, Aug. 11.
Adhesive sheets. J. A. McGarry. 2,646,371, July 21.
Adhesive sheets or tapes, Heat sealing. M. M. Kline and C. O. Pike. 2,631,947, Mar. 17.
Adhesive tape and protective cover therefor, Double-faced. W. M. Scholl. 2,633,440, Mar. 31.
Adhesive tape dispenser. K. J. Mysels. 2,652,115, Sept. 15.
Adhesive tape dispenser. R. A. Wilkin. 2,625,744, Jan. 20.
Adhesive tape, Heat-activatable sustained-tack. R. E. Vetter. 2,653,881, Sept. 29.
Adhesive tape, Heat-activated temporarily pressure-sensitive. J. O. Hendricks and A. F. Schmeizle. 2,653,880, Sept. 29.
Adhesive tape, Paper. J. S. Gerhardt. 2,652,351, Sept. 15.
Adhesive transfer and fixing apparatus. C. R. Mayo and B. J. Wolfe. 2,661,289, Dec. 1.
Adhesives comprising phenol-formaldehyde resins, certain polyvinyl acetal resins, and ricinoleate esters. M. A. Bergstedt and R. H. Lamason. 2,637,706, May 5.
Adjustable air distributor. O. A. Labus. 2,656,782, Oct. 27.
Adjustable anchorage. E. A. Black. 2,625,815, Jan. 20.
Adjustable attaching device. H. Vizner. 2,636,239, Apr. 28.
Adjustable automobile seat. G. B. Cochran. 2,642,120, June 16.
Adjustable bed lamp. C. R. Myre. 2,640,998, June 9.
Adjustable belly spring. A. H. Brandon. 2,656,890, Oct. 27.
Adjustable bus seat. E. M. Martin. 2,627,299,
Adjustable cam actuated hold-down clamp. W
bert. 2,639,744, May 26.
Adjustable cam operated clutch. H. J.
2,641,345, June 9.
Adjustable chain saw bar. G. H. Rosenboom.
Nov. 24.
Adjustable chair. C. W. Morris and L.
2,628,662, Feb. 17.
Adjustable clamp. A. J. Dalpiaz. 2,650,404, S
Adjustable clothes hanger. D. A. Eberhardt.
June 30.
Adjustable clothesline support. L. S. Rose.
Dec. 1.
Adjustable coat hanger. H. A. Goldschmidt
Leverence. 2,637,471, May 5.
Adjustable coat hanger. G. D. McVicker.
Aug. 25.
Adjustable counterseat. C. F. Caramelli.
Jan. 6.
Adjustable coupling. O. R. Briney, Jr. 2,660,
24.
Adjustable cover. H. W. Herrman. 2,636,796,
Adjustable cutting tool. B. J. Trocki. 2,630,
10.
Adjustable dowel pin. A. H. Le Febvre and
Smith. 2,651,453, Sept. 8.
Adjustable frog. R. L. Reynolds and S.
2,637,143, May 5.
Adjustable garment hanger. R. E. Alvord.
Sept. 22.
Adjustable garment hanger support. T. J. W
2,634,892, Apr. 14.
Adjustable gauge block. H. V. Törnebohm.
Apr. 28.
Adjustable guide bracket. S. M. Kass. 2,632,181
Adjustable holder. W. R. Meredith. 2,645,441,
Adjustable hose clamp. M. Brodheim. 2,641,
16.
Adjustable indicator holder. J. A. Rudhart.
Jan. 20.
Adjustable inductance. F. W. Schmidt, Jr.
July 21.
Adjustable ironing board. G. Mongar. 2,646,
28.
Adjustable lamp carrier. D. M. Murphy.
Feb. 24.
Adjustable lever actuated tire bead breaking too
Rodgers. 2,656,882, Oct. 27.
Adjustable lift chain for hoists. M. J. Phillips.
Feb. 24.
Adjustable lifting clamp. C. H. Gmoser and E.
ner. 2,647,007, July 28.
Adjustable line jig for laying brick and concr
walls. F. W. Patzel. 2,659,973, Nov. 24.
Adjustable luggage carrier. A. Roubeck.
Feb. 24.
Adjustable marking rule. J. W. Dunn. 2,659,
24.
Adjustable miter box. H. H. Hempe. 2,644,49
Adjustable multiple circuit control switch. W. L.
2,642,503, June 16.
Adjustable outer jaw pipe wrench of the fixed
type. N. O. Smith-Petersen, W. A. Patscheide
G. Lambert. 2,629,279, Feb. 24.
Adjustable outer jaw pipe wrench of the pivoted
type. W. E. Milligan. 2,629,280, Feb. 24.
Adjustable outlet convector enclosure. B.
2,656,781, Oct. 27.
Adjustable oven or broiler rack. L. B. Genebach.
June 9.
Adjustable peg rack. S. Saul, Jr., and L. H. Fens
2,626,711, Jan. 27.
Adjustable pilot chair. J. C. Whittingham a
Nichols. 2,655,981, Oct. 20.
Adjustable plate stand. R. Lamounette.
Aug. 4.
Adjustable port arrangement for the high-pres
of fluid pumps and motors of the rotary sc
G. Rathman. 2,656,972, Oct. 27.
Adjustable punching bag stand. R. L. Kennedy a
Braddy. 2,625,356, Jan. 13.
Adjustable rack. A. J. Friedl and W. E.
2,660,381, Nov. 24.
Adjustable reclining chair. T. and H.
2,628,661, Feb. 17.
Adjustable resistance device. D. F. Hastings.
Feb. 24.
Adjustable roller supporting bracket for vertic
able doors. C. C. Moler. 2,624,065, Jan. 6.
Adjustable-saw carriage for folding arm radial
C. Henry. 2,652,862, Sept. 22.
Adjustable saw carrier holder. J. Schultz.
July 21.
Adjustable sawhorse bracket. J. Boitos. 2,650,
25.
Adjustable scaffold clamp. P. Gray. 2,656,223,
Adjustable seat. C. W. Demarest and J. T. Wi
2,637,369, May 5.
Adjustable shelf mounting. C. Scheuer.
Feb. 10.
Adjustable speed induction motor. D. E.
2,642,555, June 16.

Adjustable spring caster door support. R. E. Slopa. 2,627,081, Feb. 3.
Adjustable spring suspension. J. Stephen. 2,626,144, Jan. 20.
Adjustable stroke lubricant dispensing valve. F. C. Paradise. 2,643,678, June 30.
Adjustable support. I. L. Anderson. 2,628,051, Feb. 10.
Adjustable support. J. S. Showalter. 2,630,371, Sept. 1.
Adjustable support stand. J. L. Stephans. 2,642,246, June 16.
Adjustable suspension for vehicles. A. G. Herreshoff and J. P. Butterfield. 2,625,388, Jan. 13.
Adjustable table cover. L. S. Mark. 2,637,136, May 5.
Adjustable tap holder. E. L. Dick. 2,625,402, Jan. 13.
Adjustable tie rod. O. S. French and D. P. Marquis. 2,662,420, Dec. 15.
Adjustable trail frame holder. M. S. Swisher. 2,659,266, Nov. 17.
Adjustable variable displacement pump. W. H. De Lancey. 2,635,551, Apr. 21.
Adjustable wale construction for septic tank forms. P. N. Sitton. 2,624,096, Jan. 6.
Adjustable weight-biased relief valve. R. T. Spencer. 2,649,774, Aug. 25.
Adjusting and latch means for slidable side jaw wrenches. K. F. Finn. 2,657,606, Nov. 3.
Adjusting clutch release levers, Method and apparatus for. R. C. Zeidler. 2,657,732, Nov. 3.
Advertising device. E. F. McDonald, Jr. 2,656,630, Oct. 27.
Adjusting device of the drive of engraved rollers in rotary machines for the printing of textiles and the like. J. Bommeiner. 2,633,755, Apr. 7.
Adjusting gate for fish ladders. R. O. Reed. 2,625,798, Jan. 20.
Adjusting injectors. H. A. Johnson. 2,642,047, June 16.
Adjusting means for slidable side jaw wrenches. F. A. Calbo Alemany. 2,648,244, Aug. 11.
Adjusting means for slidable side jaw wrenches. M. W. Emmett. 2,654,282, Oct. 6.
Adjusting mechanism for control devices. J. W. Bitler. 2,635,727, Apr. 21.
Adjusting mechanism for master copies on duplicating machines and the like. M. J. Ajam, J. R. Paradis, and C. A. Bergman. 2,661,688, Dec. 8.
Adjusting mechanism for the digging boom and scraper boom of endless type ditching machines. G. E. Miller. 2,649,792, Aug. 25.
Adjusting system for furnace controls. W. H. Payne. 2,657,327, Oct. 27.
Adjusting the angularity of independently sprung wheels, Means for. J. W. Leighton. 2,631,866, Mar. 17.
Adjusting the concentration of ammonium nitrate solutions. T. E. Martin and E. Edmunds, Jr. 2,650,660, Sept. 1.
Adjusting thermostatic relays, Means for. R. Filliette. 2,658,126, Nov. 3.
Adjustment for saxophone neck support. G. A. Finder. 2,630,255, Mar. 3.
Adjustment means for the rolls of multiroll chocolate and like refining machines. A. A. Tunley. 2,638,388, May 12.
Adjustment mechanism for microscopes. T. G. Aitcheson. 2,645,972, July 21.
Adjustment mechanism for microscopes. A. A. Gradisar. 2,662,444, Dec. 15.
Adjustment providing electro-magnetic head mount. M. G. Townsley. 2,647,755, Aug. 4.
Adjustment retarder for slidable side jaw wrenches. E. Chappel. 2,648,243, Aug. 11.
Adsorbent refining of oils. H. A. Vogel. 2,639,289, May 19.
Adsorption-desorption process. E. W. S. Nicholson. 2,660,262, Nov. 24.
Adsorption-fractionation process. L. D. Etherington. 2,633,207, Mar. 31.
Adsorption of olefins by petroleum coke. F. M. Archibald, W. A. Konrad, and R. E. D. Haney. 2,635,709, Apr. 21.
Adsorption process. C. H. O. Berg. 2,638,999, May 19.
Adsorption process. C. H. O. Berg and D. H. Imhoff. 2,651,666, Sept. 8.
Adsorption process and apparatus. C. H. O. Berg. 2,630,877, Mar. 10.
Adsorption process and apparatus. M. T. Cichelli. 2,631,727, Mar. 17.
Adsorption process, Continuous. K. M. Watson. 2,636,575, Apr. 28.
Adsorption separation process, Fluidized selective. J. H. Widdowson and H. R. Sailors. 2,636,574, Apr. 28.
Adsorption-stripping separation system. S. J. Marwil. 2,652,437, Sept. 15.
Advance marker for dictacting machines. C. W. Dann and R. M. Somers. 2,628,841, Feb. 17.
Advancing reel. J. N. Birmingham. 2,660,808, Dec. 1.
Advancing reel. P. M. Cole. 2,649,645, Aug. 25.
Advertising and display device. L. L. Sutherland. 2,629,954, Mar. 3.
Advertising attachment for parking meters. C. J. Thompson and R. C. Johnson. 2,625,761, Jan. 20.
Advertising device. R. Burdick. 2,651,128, Sept. 8.
Advertising device. E. H. Sanders. 2,632,269, Mar. 24.
Advertising diorama, Self-contained. R. Burdick. 2,634,529, Apr. 14.
Advertising display, Animated. M. G. Barker. 2,631,395, Mar. 17.
Advertising display device. J. E. Sayre. 2,624,142, Jan. 6.
Advertising display, Foldable, adjustable and mailable. C. A. Stephens. 2,631,046, Mar. 10.
Advertising sign. E. J. Hill. 2,659,170–1; Nov. 17.
Aerating and drying granular materials. J. Maho. 2,634,673, Apr. 14.
Aerating device. O. W. Holden. 2,643,104, June 23.
Aeration apparatus, Portable. N. Meurer. 2,628,828, Feb. 17.
Aerator. R. Ruemelin. 2,649,962, Aug. 25.
Aerator, Baby bottle. W. E. Lauterbach. 2,634,011, Apr. 7.
Aerator for fish containers, Water. R. M. Brown. 2,628,447, Feb. 17.
Aerial cargo landing container. D. J. Kitch. 2,644,655, July 7.
Aerial, Extensible. E. P. Geyer. 2,650,302, Aug. 25.
Aerial, Radio. E. Carlson. 2,632,106, Mar. 17.
Aerial, Resonant. E. C. Cork. 2,648,771, Aug. 11.
Aerial system. N. H. Clough. 2,659,819, Nov. 17.
Aerial system. W. A. Johnson. 2,637,814, May 5.
Aerial target. A. M. Feltus. 2,653,026, Sept. 22.
Aerial top, Chromatic. F. R. Higley. 2,638,703–4, May 19.
Aerials, Wireless. P. Mandel. 2,650,984, Sept. 1.
Aerobic biological sewage treating process and system, Two-stage. C. H. Paulette and J. Gunz. 2,642,394, June 16.
Aerodynamic balance control. R. F. Pribil, D. D. Myers, and R. B. Schreiber. 2,630,988, Mar. 10.
Aerodynamic braking of aircraft, Means for the. M. H. L. Sédille. 2,647,367, Aug. 4.
Aerodynamic lift-producing device. B. Thwaites. 2,643,832, June 30.
Aerodynamic valve. J. H. Bertin and R. H. Marchal. 2,642,895, June 23.
Aerogel diffusion unit. J. W. Teter. 2,627,933, Feb. 10.
Aeromagnetic prospecting, Method of and apparatus for. C. A. Heiland. 2,659,859, Nov. 17.
Aerosol dispenser and valve construction. G. R. Saacke. 2,624,623, Jan. 6.
Aerosol generating and propelling composition and insecticide. K. C. Peer and L. W. Fancher. 2,637,678, May 5.
Aerosol generator. F. Gauchard. 2,625,156, Jan. 13.
Aerosols, Production of. P. M. R. Barret. 2,658,169, Nov. 3.
Aftercooler construction. E. Ackerman, A. De Feo, and W. H. Francisco, Jr. 2,646,027, July 21.
After-treating viscose threads advancing in a helical path. K. M. McLellan. 2,652,311, Sept. 15.
Age resisting nonstaining rubber composition and producing same. J. C. Ambelang. 2,647,102, July 28.
Ageing or reducing apparatus. R. W. Jacoby. 2,641,119, June 9.
Agglomerating particles of wood and the product thereof. J. P. J. Serres. 2,638,421, May 12.
Aggregate, Making lightweight. H. A. Buron. 2,654,137, Oct. 6.
Aggregate, Making lightweight. C. G. Harford, E. L. Kreidl, and J. L. Utter. 2,654,136, Oct. 6.
Agitating apparatus for tray ice-cream freezers. W. W. Parker. 2,626,134, Jan. 20.
Agitating device for photographic liquid developer. R. Sardeson, J. F. Braden, and C. E. Lee. 2,652,758, Sept. 22.
Agitating impeller. F. R. Forrest. 2,636,720, Apr. 28.
Agitating liquids, Means for. H. L. Simon. 2,644,677, July 7.
Agitating machine for bottled beverages and the like. W. L. Bashford. 2,643,102, June 23.
Agitating mechanism for potato diggers. A. E. Young. 2,648,437, Aug. 11.
Agitating type stock feeder. J. Jindrich. 2,640,464, June 2.
Agitator and the like, Immersion type. G. J. Okulitch and I. V. Zoznlin. 2,633,339, Mar. 31.
Agitator device for digester tanks. J. H. Knowles and W. G. Sutcliffe. 2,647,733, Aug. 4.
Agitator drive assembly. I. S. Brumagim. 2,627,171, Feb. 3.
Agitator for grain cleaners. J. Phillips. 2,630,917, Mar. 10.
Agitator raiser and belt release for suction cleaners. W. A. Humphrey. 2,627,623, Feb. 10.
Agricultural apparatus for blocking row crops and the like. G. W. Howard. 2,663,238, Dec. 22.
Agricultural implement and tine construction therefor. E. W. Peterson. 2,654,197, Oct. 6.
Agricultural implement having multiple sets of transversely arranged ground engaging tools, Lift type. J. A. Love. 2,652,672, Sept. 22.
Agricultural implement lift shaft helper spring assembly. M. H. Peterson. 2,636,334, Apr. 28.
Agricultural implement, Reversible. N. A. Nelson. 2,633,787, Apr. 7.
Agricultural material spreader. R. E. Seltzer. 2,624,492, Jan. 6.
Agricultural tool bracket. H. P. Williams. 2,632,372, Mar. 24.
Aileron control system. P. J. Schmidt. 2,628,045, Feb. 10.

Aileron gauge. D. A. Davis. 2,645,858, July 21.
Aiming device for guns. V. E. Ericsson. 2,659,275, Nov. 17.
Air actuated control system. J. H. Province. 2,643,093, June 23.
Air and liquid contact apparatus. T. W. Carraway. 2,631,829, Mar. 17.
Air and liquid mixing device. M. C. Reinecke. 2,657,024, Oct. 27.
Air and moisture meter. C. Gray. 2,635,459, Apr. 21.
Air-atomizing oil burner. H. F. Tapp and R. M. Cochrane. 2,649,148, Aug. 18.
Air bearing. H. I. Becker. 2,627,443, Feb. 3.
Air blending temperature control for heating and cooling systems. L. H. Gillick, E. A. Russell, and N. O. Kirkby. 2,647,452, Aug. 4.
Air blower for linearly feeding a continuous strand. W. B. Kelley. 2,639,487, May 26.
Air booster steering. H. C. Schindler. 2,660,255, Nov. 24.
Airborne radio relay and broadcast system. C. E. Nobles. 2,626,348, Jan. 20.
Air-brake apparatus. J. R. Snyder. 2,629,638, Feb. 24.
Air-bypass or surge control for supercharged internal-combustion engines. A. Büchi. 2,636,341, Apr. 28.
Air cell vent. G. A. F. Winckler. 2,632,032, Mar. 17.
Air chamber wheel. A. J. Musselman. 2,624,387, Jan. 6.
Aircharger, Diaphragm-type. F. M. Nash. 2,647,466, Aug. 4.
Air charging and air volume control for water systems. A. F. Hancy. 2,651,260, Sept. 8.
Air circulating and conditioning unit. C. Krayes. 2,626,136, Jan. 20.
Air circulating apparatus. P. L. Schneider. 2,650,534, Sept. 1.
Air circulating or ventilating unit. R. D. Jenkins. 2,635,524, Apr. 21.
Air circulating system for buildings. W. F. Wyman. 2,649,726, Aug. 25.
Air circulating unit. R. Follansbee and E. F. Ford. 2,625,872, Jan. 20.
Air circulator. J. H. Woodward. 2,650,755, Sept. 1.
Air circulator for orchards and field crops. L. B. Gaskill. 2,661,068, Dec. 1.
Air cleaner. S. H. Beach. 2,627,935, Feb. 10.
Air cleaner. M. H. Jeffrey. 2,660,261, Nov. 24.
Air cleaner. J. B. Sebok. 2,626,010, Jan. 20.
Air cleaner and chaff screen, Combination. M. T. Moler. 2,652,901, Sept. 22.
Air cleaner construction. A. B. Osgood and A. E. Swanson. 2,661,079, Dec. 1.
Air cleaner for automotive vehicles. K. F. Russell. 2,655,221, Oct. 13.
Air cleaner for internal-combustion engines. H. S. Pond, Jr. 2,648,395, Aug. 11.
Air cleaner for knitting machines. R. C. Reinhardt and F. L. Hefner. 2,648,209, Aug. 11.
Air cleaner, intake silencer, and carburetor housing assembly. J. B. Sebok. 2,626,677, Jan. 27.
Air cleaner, intake silencer, and carburetor housing unit. J. B. and F. Sebok. 2,626,009, Jan. 20.
Air compressor system. H. W. Neff. 2,655,306, Oct. 13.
Air compressor tank drain valve. D. Wilkerson. 2,662,551, Dec. 15.
Air conditioner and visor for vehicles, Combined. E. E. Foster. 2,625,425, Jan. 13.
Air conditioner, Console. A. Trask. 2,661,606, Dec. 8.
Air conditioner for automobiles. J. W. Bailey. 2,631 023, Mar. 10.
Air conditioner for motor vehicles. S. R. Hart. 2,655,856, Oct. 20.
Air conditioner, Suspended panel type. G. Frenger. 2,662,743, Dec. 15.
Air conditioner, Window mounted. P. R. Tipton and W. F. Borgerd. 2,660,866, Dec. 1.
Air-conditioning and humidifying apparatus. J. R. Rauhut. 2,638,644, May 19.
Air conditioning apparatus. T. W. Carraway. 2,631,830, Mar. 17.
Air conditioning apparatus. J. A. De Vilbiss. 2,631,833, Mar. 17.
Air conditioning apparatus. J. A. Galazzi. 2,654,232, Oct. 6.
Air conditioning apparatus. W. E. Gillham. 2,633,070, Mar. 31.
Air-conditioning apparatus. D. S. Rense. 2,628,083, Feb. 10.
Air-conditioning apparatus, Ceiling mounted. W. F. Borgerd. 2,638,757, May 19.
Air-conditioning apparatus, Dehumidifying. C. D. Harris and J. A. Galazzi. 2,630,691, Mar. 10.
Air conditioning control apparatus. E. M. Miller. 2,664,244, Dec. 29.
Air-conditioning control system. J. W. Smith. 2,628,076, Feb. 10.
Air conditioning means for enclosures. G. A. Burgess. 2,628,482, Feb. 17.
Air conditioning, Method and system for. C. J. Thatcher. 2,653,012, Sept. 22.
Air conditioning of parked vehicles. C. E. Royal. 2,658,439, Nov. 10.
Air conditioning system. M. G. Shoemaker. 2,655,793, Oct. 20.
Air conditioning system. J. D. Strobell. 2,663, 22.
Air conditioning system for vehicles. S. V. 2,634,671, Apr. 14.
Air conditioning system, Residential. C. M. Ge 2,660,863, Dec. 1.
Air conditioning unit. A. W. Arnold. 2,631,021
Air conditioning unit and apparatus for shippin Jewell. 2,661,836, Dec. 8.
Air conditioning unit, Automobile. H. L. 2,659,214, Nov. 17.
Air conditioning unit for automotive vehicles. S 2,627,218, Feb. 3.
Air conditioning unit for casement windows. D. maker. 2,654,233, Oct. 6.
Air conditioning unit, including subcooling. J. R nore. 2,649,701, Aug. 25.
Air conditioning unit, Outside mounted. W. F. 2,660,867, Dec. 1.
Air conditioning unit, Wall mounted. W. F. 2,644,321, July 7.
Air control and ash removal apparatus for grate naces, Combination. O. W. Honsinger. Jan. 6.
Air control ring. R. C. Brierly. 2,657,741, Nov.
Air controlled switch. A. J. Lewus. 2,635,160
Air-cooled brake. A. A. Benson. 2,654,448, Oct
Air cooled brake. A. Y. Dodge. 2,646,862, Ju
Air-cooled spark plug. W. H. Van Ry. 2,625,921
Air cooler. J. W. Brown, Jr. 2,649,285, Aug. 1
Air cooling device, Brake drum. G. A. Lyon. 2,65 Nov. 17.
Air-cooling for internal-combustion engines. 2,650,578, Sept. 1.
Air cooling for internal-combustion engines. R. 2,644,435, July 7.
Aircraft. W. E. Hunt. 2,650,045, Aug. 25.
Aircraft adapted for air, land, and water trav Griffith. 2,628,792, Feb. 17.
Aircraft aileron control. C. H. Grant. 2,635, 21.
Aircraft, All-wing. J. K. Northrop and W. 2,650,780, Sept. 1.
Aircraft arresting gear. R. F. Shank. 2,626,768
Aircraft cargo floor. A. J. Lechner. 2,625,118.
Aircraft control. G. Muffly. 2,663,518, Dec. 22
Aircraft control apparatus, Electric. F. W. 2,651,015, Sept. 1.
Aircraft control element force producer. A. 2,639,875, May 26.
Aircraft control, Helicopter. A. M. Young. Apr. 7.
Aircraft control stick force linkage. I. L. 2,661,169, Dec. 1.
Aircraft control system. W. H. Gille. 2,662,706
Aircraft control system. J. D. Moore and B. 2,652,526, Sept. 15.
Aircraft control system, Automatic. F. W. Me Sudworth, D. L. Meredith, and D. W. 2,650,338, Aug. 25.
Aircraft controls. J. L. Atwood and C. G. 2,626,115, Jan. 20.
Aircraft, Convertible fixed-wing paddle wheel. Zandt. 2,633,311, Mar. 31.
Aircraft, Convertible rotary wing. A. C. 2,659,550, Nov. 17.
Aircraft cowling seal. L. Avondoglio. 2,638,287
Aircraft crash or impact detecting device an system associated therewith. A. Mathisen. May 12.
Aircraft distress signal. S. W. Grinnan. Feb. 24.
Aircraft door lock. H. E. Michael. 2,661,975.
Aircraft flap mechanism. C. G. Gordon. 2,661,1
Aircraft, float-equipped. C. C. Crossley. June 16.
Aircraft fuel storage system. F. J. Pepersack. Sept. 29.
Aircraft having reversible jet-propelled rotor bla Terry. 2,653,779, Sept. 29.
Aircraft interconnecting mechanism. C. 2,663,523, Dec. 22.
Aircraft landing gear. C. J. Brukner. 2,652,215
Aircraft multiwheel continuous tread landing Bonmartini. 2,645,437, July 14.
Aircraft pedal drive with power accumulator. berg. 2,656,994, Oct. 27.
Aircraft pilot trainer. E. J. Fogarty and R. O. 2,636,285, Apr. 28.
Aircraft power plant control apparatus. B. 2,663,992, Dec. 29.
Aircraft retractable and steerable nose-wheel wheel mountings. R. C. Cussons. 2,652,214,
Aircraft, Rotary-wing. J. A. J. Bennett an Forsyth. 2,653,778, Sept. 29.
Aircraft, Severable. R. J. Schmid. 2,654,320,
Aircraft structure cooling means. J. D. 2,652,216, Sept. 15.
Aircraft surface with boundary layer control Stalker. 2,659,552, Nov. 17.
Aircraft sustaining rotor blade with suction s boundary layer control. H. S. Campbell. Oct. 27.

Aircraft tank arrangement. J. A. Wallen. 2,637,513, May 5.
Aircraft training apparatus with vertical air-speed indication and control. R. C. Dehmel. 2,628,434, Feb. 17.
Aircraft trim tab control. H. A. Gibb. 2,640,665, June 2.
Aircraft undercarriage. F. C. Albright. 2,637,512, May 5.
Aircraft undercarriage. R. W. Brown. 2,646,948, July 28.
Aircraft undercarriage. T. J. Harriman and F. P. Bassett. 2,641,423, June 9.
Aircraft wing flap. V. B. Butler. 2,624,532, Jan. 6.
Aircraft with hydroskis, Buoyant. J. R. Dawson, Sr. 2,646,235, July 21.
Aircraft with jet-driven rotor, Rotary-wing. R. Dorand and P. Gabriet. 2,650,666, Sept. 1.
Aircraft with quadricycle landing gear. W. H. Schlender. 2,659,555, Nov. 17.
Air current deflector. E. C. Krume. 2,646,257, July 21.
Air cushion fitting for fluid lines. J. E. Ragsdale. 2,630,833, Mar. 10.
Air cycle water cooler. W. R. Brisken and F. J. Neugebauer. 2,664,001, Dec. 29.
Air density compensating fuel feeding system for gas turbines. F. C. Mock. 2,627,305, Feb. 3.
Air-depolarized primary cell. L. S. Dunham. 2,644,025, June 30.
Air diffusing device. H. A. Meyer and W. T. McCracken. 2,636,668, Apr. 28.
Air dispersion inlet means for combustion apparatus. F. T. Hague. 2,637,975, May 12.
Air displacement rotor. E. J. Sanders. 2,626,743, Jan. 27.
Air distributing means for pot type burners. J. B. Moore, Jr. 2,627,909, Feb. 10.
Air distribution outlet. W. W. Kennedy. 2,635,525, Apr. 21.
Air distribution system. N. R. Emery and P. O. Robards. 2,652,763, Sept. 22.
Air distribution system. R. C. Robertson. 2,654,305, Oct. 6.
Air distributor. L. G. Davies. 2,626,556, Jan. 27.
Air duct. S. Koffler. 2,627,430, Feb. 3.
Air duct, Insulated. L. E. Butler and F. J. Siemers. 2,661,769, Dec. 8.
Air exhauster. C. N. O'Day. 2,627,219, Feb. 3.
Air extractor. L. G. Crook. 2,648,474, Aug. 11.
Air fan heater. M. E. Lautner. 2,640,139, May 26.
Air filter. R. J. Breckheimer. 2,653,676, Sept. 29.
Air filter. H. Herkimer. 2,638,180, May 12.
Air filter. F. A. Krohm. 2,642,843, June 23.
Air filter. F. A. Krohm. 2,662,609, Dec. 15.
Air float jogger device. C. W. Uriell. 2,626,801, Jan. 27.
Airfoil nose flap arrangement. D. K. Warner. 2,631,794, Mar. 17.
Airfoil support structure. J. A. Perry. 2,657,882, Nov. 3.
Air fractionating cycle and apparatus. C. J. Schilling. 2,626,510, Jan. 27.
Air freshening system. E. E. Hahs. 2,640,409, June 2.
Air gap construction. A. A. Olsen and W. F. Skeats. 2,644,116, June 30.
Air gauge. H. B. Van Dorn. 2,636,380, Apr. 28.
Air gun. W. S. Wells. 2,638,884, May 19.
Air heating furnace. T. C. Gleason, R. H. Smith, and M. J. Isley. 2,638,086, May 12.
Air induction system heating in supercharged engine. J. A. Lawler. 2,645,409, July 14.
Air injector. V. R. Dibble and V. R. Dibble, Jr. 2,652,973, Sept. 22.
Air inlet and throttle valve, Swivel type. H. A. Brown. 2,628,061, Feb. 10.
Air inlet/device for internal-combustion engines. O. V. Berthoudar. 2,633,868, Apr. 7.
Air inlet housing. E. E. Hans. 2,640,411, June 2.
Air jet for air film tables. R. E. Ross. 2,651,549, Sept. 8.
Air-laid felts, Manufacture of. T. C. Duvall. 2,624,079, Jan. 6.
Air lift control, Automatic. C. I. Hill. 2,640,731, June 2.
Air line lubricator. C. A. Norgren, K. C. Mosier, R. D. Bowdey, and N. A. Metzger. 2,661,814, Dec. 8.
Air line oiler. E. F. Wickens. 2,646,134, July 21.
Air line respirator filter cartridge holder. C. J. Boyer. 2,642,061, June 16.
Air moistening and filtering device. E. A. Martinek. 2,627,934, Feb. 10.
Air-moisture separator. R. E. Walker. 2,661,076, Dec. 1.
Air motor controller with self-balancing potentiometer. H. M. Schmitt. 2,625,911, Jan. 20.
Air-moving device. C. M. Buttner. 2,649,728, Aug. 25.
Air-moving device, C. M. Buttner. 2,651,987, Sept. 15.
Air-operated apparatus for removing dust accumulations from regenerative checkerwork. H. W. Wells. 2,641,791, June 16.
Air operated circuit breaker. J. D. Wood. 2,660,635, Nov. 24.
Air outlet device for heating, cooling, ventilating, or other purposes. F. J. Kurth, L. R. Phillips, and W. J. Waeldner. 2,627,799, Feb. 10.
Air pickup and suction device. H. E. Wunderlich. 2,663,243, Dec. 22.
Airplane, All-weather. L. C. McCarty, Jr., and H. G. Fello. 2,642,238, June 16.
Airplane cleaning and polishing machine. G. Habian. 2,642,599, June 23.
Airplane construction, Transport. H. D. Fowler. 2,650,049, Aug. 25.
Airplane control system. J. G. Speer. 2,625,349, Jan. 13.
Airplane cross-wind undercarriage. J. H. Geisse. 2,624,534, Jan. 6.
Airplane, Fluid-sustained and jet-propelled. S. Rzepela. 2,655,833, Apr. 21.
Airplane landing gear. G. W. Bryan. 2,661,916, Dec. 8.
Airplane landing gear. R. O. Woychik. 2,650,048, Aug. 25.
Airplane step. G. M. Reed. 2,647,677, Aug. 4.
Airplane, Tailless. P. S. Montgomery. 2,628,043, Feb. 10.
Airplane trim control. T. A. Feeney and S. A. Hall. 2,639,108, May 19.
Airplane weather vane, Activated. G. Miller. 2,633,746, Apr. 7.
Airplane wheel. I. F. Chapin. 2,648,571, Aug. 11.
Airplane wing construction with passage from upper surface to trailing edge. M. E. Clark. 2,661,167, Dec. 1.
Airplane wing stucture. J. A. Perry. 2,646,945, July 28.
Airplane with auxiliary lifting rotor. H. B. Cowgill, Jr. 2,644,653, July 7.
Airplane with stabilizing fins. C. H. Grant. 2,649,265, Aug. 18.
Airport runway marker light. H. A. Cline. 2,639,366, May 19.
Air precleaner, Self-cleaning. S. C. Heth. 2,661,810, Dec. 8.
Air pressure gun, Repeating. L. L. White. 2,630,108, Mar. 3.
Air pump. H. G. Maierhofer. 2,645,414, July 14.
Air pump adapter for internal-combustion engines. P. J. Sheehan. 2,634,089, Apr. 7.
Air pump and accumulator. J. P. Burke. 2,660,334, Nov. 24.
Air pump and cushion, Combined. J. J. Sunday. 2,664,241, Dec. 29.
Air pump for artificial respiration. H. Tietze. 2,644,445, July 7.
Air purifying and circulating device. G. S. Dauphinee. 2,640,558, June 2.
Air reatomizer for use in internal-combustion engines. L. Mazzocco. 2,653,621, Sept. 29.
Air release for water tanks. P. W. Harland and L. D. Johnson. 2,658,518, Nov. 10.
Air relief device. W. J. Woolley. 2,633,142, Mar. 31.
Airscrew, Adjustable airplane-helicopter. H. E. Giroz. 2,664,168, Dec. 29.
Air shutter for gas burners. D. F. Jones. 2,638,161, May 12.
Air spaced electric cables, Manufacture of. R. C. Mildner and C. E. C. Lovelace. 2,645,590, July 14.
Air-speed control system. H. S. Hendrickson. 2,664,254, Dec. 29.
Airspeed control system for aircraft, Automatic. W. G. Maurer and D. V. M. Green. 2,656,133, Oct. 20.
Air speed indicating device. P. F. Bechberger and J. E. Bevins. 2,661,624, Dec. 8.
Air stratifier. L. G. McLean. 2,635,753, Apr. 21.
Air system having a cooling means, Compressed. R. C. Coblentz. 2,632,315, Mar. 24.
Air traffic control system. N. B. Coley. 2,626,382, Jan. 20.
Air translating apparatus. G. H. Koch. 2,628,018, Feb. 10.
Air translating apparatus. G. H. Koch. 2,628,020, Feb. 10.
Air translating apparatus. G. H. Koch. 2,642,220, June 16.
Airtight package. G. Taunton. 2,649,234, Aug. 18.
Air traffic control system. G. B. Litchford. 2,653,314, Sept. 22.
Air vent, Automatic hygroscopic type. W. M. Grosvenor, Jr. 2,654,385, Oct. 6.
Air vent cap for oil drums. W. H. Work. 2,644,610, July 7.
Air vent for water systems. W. T. Ferguson. 2,655,170, Oct. 13.
Air volume control for water supply systems. H. C. Weber. 2,660,954, Dec. 1.
Air volume control system and apparatus. C. Hotchkiss and J. A. Deubel. 2,659,535, Nov. 17.
Air volume regulator. A. E. Le Van. 2,642,747, June 23.
Aisle standard for theater chairs. A. C. Sellers. 2,646,841, July 28.
Aitch-bone cutter. M. Fill. 2,644,194, July 7.
Alarm, Air raid. W. O. Spoon and J. Dressel, Jr. 2,658,192, Nov. 3.
Alarm and annunciator device. E. D. Smith. 2,646,557, July 21.
Alarm, Audible and visible. W. Rusnak. 2,632,887, Mar. 24.
Alarm, Auto burglar. J. M. Joiner, Jr. 2,650,354, Aug. 25.
Alarm, Burglar. W. W. Flugrath. 2,625,901, Jan. 20.
Alarm, Burglar. W. H. Obrock. 2,649,751, Aug. 25.
Alarm, Burglar. S. Talucci. 2,640,455, June 2.
Alarm, Burglary and fire. C. J. Munch. 2,661,394, Dec. 1.
Alarm, Capacity actuated burglar. P. H. E. Claesson and K. L. Johansson. 2,640,978, June 2.
Alarm circuit for balers and the like. C. J. Krow. 2,624,791, Jan. 6.
Alarm, Combination radio and fire. A. H. Lamb. 2,632,155, Mar. 17.

Alarm, Combined burglar and fire. C. F. Christie. 2,643,313, June 23.
Alarm control for clocks and photoelectric switches. J. E. Coogan. 2,626,662, Jan. 27.
Alarm device. C. Mason and C. A. Imhoff. 2,636,337, Apr. 28.
Alarm device. A. G. Thorpe and J. A. Padjen. 2,630,095, Mar. 3.
Alarm device, Coin controlled time. H. K. Price and J. L. Taylor. 2,625,249, Jan. 13.
Alarm device, Fire. A. P. Mendes. 2,626,586, Jan. 27.
Alarm device, Pressure-type. A. P. Mendes. 2,626,585, Jan. 27.
Alarm device, Program. B. M. Frye. 2,625,222, Jan. 13.
Alarm, Fire. J. C. Foster, Sr. 2,628,347, Feb. 10.
Alarm, Fire and burglar. H. C. Sorensen. 2,625,902, Jan. 20.
Alarm for wrist watches. V. E. Mattson, Jr. 2,656,673, Oct. 27.
Alarm, High and low level audible boiler water. E. Topping. 2,632,419, Mar. 24.
Alarm-initiating device for automobiles. W. A. Wojcik and M. Yetsko. 2,649,516, Aug. 18.
Alarm mechanism, Double. J. Wolbarst. 2,652,682, Sept. 22.
Alarm reset mechanism, Automatic. B. O. Bower. 2,646,659, July 28.
Alarm, Safety speed. M. M. Mitchell. 2,646,017, July 21.
Alarm scratching device, Animal. F. M. Adams. 2,655,122, Oct. 13.
Alarm setting mechanism. B. M. Ross. 2,630,671, Mar. 10.
Alarm signal station. L. L. Verkuil. 2,632,070, Mar. 17.
Alarm, Strip tracking. P. H. McConaghey. 2,651,031, Sept. 1.
Alarm system. C. W. and S. T. Roe. 2,640,975, June 2.
Alarm system, Burglar. E. V. Gardiner. 2,636,163, Apr. 21.
Alarm system, Burglar. F. C. W. Stelter. 2,643,372, June 23.
Alarm system, Electric burglar. O. C. Cundiff. 2,663,864, Dec. 22.
Alarm system, Fire. S. Lubin, J. F. Atkinson, and L. Podolsky. 2,636,164, Apr. 21.
Alarm system for compass repeaters. W. B. Jupp. 2,632,882, Mar. 24.
Alarm system for jails, Fluid controlled. O. W. Becker. 2,663,271, Dec. 22.
Alarm system for oil and gas fired heating furnaces. E. Fiedler. 2,659,334, Nov. 17.
Alarm system, Supervised. P. B. Allen. 2,646,556, July 21.
Alarm system, Supervisory. V. T. Callahan and L. D. Fry. 2,655,646, Oct. 13.
Alarm, Tire. R. C. Fidler. 2,654,337, Oct. 6.
Alarm unit, Self-contained burglar. L. E. Davis. 2,659,333, Nov. 17.
Alarm, Window. A. Hoehm. 2,626,584, Jan. 27.
Album. A. J. Bepristis. 2,639,526, May 26.
Album. J. R. Kennedy. 2,638,099, May 12.
Album leaf for photographic prints, Duplex. W. A. McCabe. 2,637,325, May 5.
Album, Picture-frame. M. Spertus. 2,649,799, Aug. 25.
Alcohol distillation process. J. M. Chambers. 2,647,078, July 28.
Alcohol, Manufacture of. L. N. Goldsbrough. 2,640,085, May 26.
Alcohol, Producing. L. M. Christensen. 2,662,842, Dec. 15.
Alcohol purification process. E. G. Wallace and J. J. Menn. 2,628,986, Feb. 17.
Alcoholic beverages and method. E. J. Ryan. 2,637,652, May 5.
Alcohols from olefins, Preparing. R. E. Brooks and R. C. Schreyer. 2,644,844, July 7.
Alcoholysis. J. V. Hunn. 2,654,767, Oct. 6.
Aldal condensation. F. R. Charlton and D. A. Dowden. 2,664,446, Dec. 29.
Aldehydes, Preparation of unsaturated. J. F. Arens and D. A. van Dorp. 2,628,979, Feb. 17.
Alginates, Manufacture of. C. W. Bonniksen. 2,653,106, Sept. 22.
Alginic acid sulfate production. H. E. Alburn. 2,638,469, May 12.
Alginic acid sulfate, Production of. H. E. Alburn. 2,638,470, May 12.
Aligning and freeing bearings. A. F. Knoblaugh. 2,641,828, June 16.
Aligning apparatus. B. R. Hart and G. Hare. 2,647,321, Aug. 4.
Aligning device. H. S. Fox. 2,652,915, Sept. 22.
Aligning device. C. J. Harding. 2,656,607, Oct. 27.
Aligning device. S. E. Marsh. 2,636,274, Apr. 28.
Aligning fixture, Mason's. A. W. Craig, R. L. Sears, and S. E. Hubbard. 2,656,608, Oct. 27.
Aligning means for neckties. A. Confino. 2,652,569, Sept. 22.
Alignment indicator. J. F. Honey. 2,659,050, Nov. 10.
Alignment target for testing eyes. J. M. Richards. 2,643,575, June 30.
Alimentary food product machine. F. Autenrieth. 2,649,056, Aug. 18.
Aliphatic acid esters of cellulose, Lower. L. J. Kruth, and B. B. White. 2,628,232, Feb. 10.
Alkadienyl pyridyl and phenyl alkylene diamines paring same. W. A. Lott and E. Pribyl. Jan. 20.
Alkali-lignin tanning agents and preparation Stoddard, Jr. 2,640,052, May 26.
Alkali metal acid cyanamide, Preparation o Vingee and L. J. Christmann. 2,656,246, Oc
Alkali metal and ammonium sulfates of hydro M. Kosmin. 2,644,831, July 7.
Alkali metal dispersions. V. L. Hansley and Hilts. 2,635,041, Apr. 14.
Alkali metal dispersions. H. K. Livingston. June 16.
Alkali metal dispersions and their use as dies ditives. H. W. Bradley and H. K. 2,642,345, June 16.
Alkali metal fluotitanates and fluozirconates, of. H. C. Kawecki. 2,653,855, Sept. 29.
Alkali metal-free alumina, Manufacture of. K. 2,657,115, Oct. 27.
Alkali metal greases, Preparing. J. P. Dilwor Eckert, and W. J. Coppoc. 2,626,896, Jan. 27.
Alkali metal greases, Preparing. J. P. Dilwor Eckert, and W. J. Coppoc. 2,626,898, Jan. 27.
Alkali metal nitrite and ammonium salt of an acid gas generating composition containing able pesticide. D. J. B. Marke. 2,633,444,
Alkali-metal rectifier. J. L. Boyer and W. 2,637,827, May 5.
Alkali metal salts of a cobalt complex of ethylen diacetic acid. W. Zerweck and M. Schubert. July 14.
Alkali metal salts of adenylic acid. E. K 2,653,897, Sept. 29.
Alkali metal salts of isonicotinylhydrazinometh acid. H. H. Fox. 2,628,237, Feb. 10.
Alkali metal salts of nitrilotriacetic acid, Prod Ploetz. 2,631,165, Mar. 10.
Alkaline battery. W. W. Gary, Jr. 2,642,469,
Alkaline dry cell. S. Ruben. 2,631,181, Mar.
Alkaline earth fluoride treatment of used cra alysts. C. E. Starr, Jr., D. R. McAdams, Bilisoly. 2,638,453, May 12.
Alkaline earth phosphate phosphors of the ap A. H. McKeag and P. W. Ranby. 2,664,40
Alkaline hydrolysis of hexachlorobenzene. P. 2,644,015, June 30.
Alkaline-setting resin-starch reaction product aration thereof. C. C. Kesler and E. T. 2,650,205, Aug. 25.
Alkaline storage battery with negative iron J. D. Moulton, E. F. Schweitzer, and T. 2,644,022, June 30.
Alkaline treating method for obtaining ramie fibers. J. C. van Dyk. 2,651,571, Sept. 8.
Alkaloids by clitocybe subilludens, Production Foote, W. M. Lauter, and R. M. Baxter. May 26.
Alkanediol mono-aryl ortho-phosphates. H. R and R. E. Hatton. 2,661,366, Dec. 1.
Alkanediol phosphoryl monochlorides. H. R and R. E. Hatton. 2,661,365, Dec. 1.
Alkane phosphonic acids, Preparation of. R. 2,652,426, Sept. 15.
Alkanoic acids, Preparing. R. W. Rosenthal. Sept. 15.
Alkanol amine sulfates. M. Kosmin. 2,644,8
Alkanolamine sulfates of hydroxy ethers. 2,644,833, July 7.
Alkanol-ether-imides of long-chain aliphatic compounds. J. Ross and A. I. Gebhart. Dec. 15.
Alkanol sulfates, Branched higher. M. 2,637,740, May 5.
Alkaryl sulfonate detergent compositions, method of controlling the sodium sulfate co of, Production of. W. W. Crouch. 2,628,2
Alkenylation of furans. A. A. Harban and C. 2,641,600, June 9.
Alkoxyalkyl esters of bis(4-carboxyphenyl) cellulose esters plasticized therewith. J. 2,643,954, June 30.
Alkoxy hydrosilanes, Preparation of. M. J. P. C. Servais. 2,626,273, Jan. 20.
Alkoxypentadienoate polymer compositions. hardt. 2,647,106, July 28.
Alkyd modified siloxane coating compositions. lar. 2,663,694, Dec. 22.
Alkyd resin. C. J. Opp and R. E. Werner. July 28.
Alkyd resins, Long oil. F. G. Lum. 2,627,508
Alkyd type resins, Water dispersible. R. 2,634,245, Apr. 7.
Alkyds and varnishes comprising same. H. M. and N. R. Peterson. 2,626,939, Jan. 27.
Alkyl acyloxy stearates. H. M. Teeter and J. 2,652,411, Sept. 15.
Alkyl aromatic hydrocarbons utilizing a comm as aromatic extractant and alkylation ca duction of. C. B. Linn and G. L. Hervert. May 19.

Alkyl aryl sulfonate detergent composition. J. C. Showalter and A. J. Shmidl. 2,634,240, Apr. 7.
Alkyl aryl sulfonate detergent compositions, Noncaking. A. H. Lewis. 2,631,980, Mar. 17.
Alkyl aryl sulfonate-liquid hydrocarbon-aliphatic hydroxy compound compositions. W. K. Langdon and E. F. Soop. 2,629,697, Feb. 24.
Alkylbenzenesulfonamideethylene oxide condensation products, Long-chain. J. J. Carnes. 2,649,478, Aug. 18.
Alkyl benzene sulfonate composition, Surface active. J. C. Harris. 2,630,411, Mar. 3.
Alkylbenzylthiuronium salts. P. L. de Benneville, N. H. Leake, and L. H. Bock. 2,640,079, May 26.
Alkyl diformyl phenylenediamines. S. R. Buc and S. A. Glickman. 2,647,815, Aug. 4.
Alkyldihaloarsine, Preparing. M. S. Kharasch and S. Weinhouse. 2,636,893, Apr. 28.
Alkyldihalostibine, Preparing. M. S. Kharasch and S. Weinhouse. 2,636,894, Apr. 28.
Alkyl esters and plastic compositions comprising same. P. V. Smith, Jr., and D. W. Young. 2,625,527, Jan. 13.
Alkyl esters of aconitic acid, Preparation of. H. F. Reeves, Jr. 2,645,658, July 14.
Alkyl esters of allyl phosphonic acids and polymers prepared therefrom. H. W. Coover and J. B. Dickey. 2,636,027, Apr. 21.
Alkyl esters of phosphono bis beta cyanoethyl acetic acid and acetic acid nitrile. E. C. Ladd. 2,632,019, Mar. 17.
Alkyl esters of phosphoric acid, Preparing mixed. K. C. Brannock. 2,639,292, May 19.
Alkyl 4-hydroxy-3-ethoxybenzoate and making same, Higher. I. A. Pearl. 2,650,933, Sept. 1.
Alkyl ketene dimer emulsion, Higher. W. F. Downey. 2,627,477, Feb. 3.
Alkyl maleate-vinyl acetate copolymers. E. Arundale and F. W. Banes. 2,628,198, Feb. 10.
Alkyl maleate-vinyl ester copolymer. E. Arundale and F. W. Banes. 2,628,220, Feb. 10.
Alkyl monoamine salts of pentachlorophenol useful for controlling mites. G. M. Le Fave. 2,650,892, Sept. 1.
Alkyl nitrate, Manufacture of an. W. G. Allan and T. J. Tobin. 2,647,914, Aug. 4.
Alkylphenols, Production of. F. Bryner. 2,655,547, Oct. 13.
Alkyl phenyl phosphoric acids and the salts thereof, Preparation of. H. R. Gamrath. 2,656,374, Oct. 20.
Alkyl silicon compounds. P. W. Shafer and G. H. Wagner. 2,660,597, Nov. 24.
Alkyl substituted aromatic ketones, Preparation of. L. W. Newton. 2,645,663, July 14.
Alkyl sulfenyl trithiocarbonates, Primary and secondary. P. M. Arnold. 2,634,291, Apr. 7.
Alkyl thiophene sulfonate detergents. C. B. Linn. 2,624,742, Jan. 6.
Alkyl titanates, Preparation of. D. F. Herman. 2,654,770, Oct. 6.
Alkyl titanates, Preparation of. D. F. Herman. 2,655,523, Oct. 13.
Alkylating polystyrene. L. M. Welch. 2,651,628, Sept. 8.
Alkylation by modified aluminum halide catalyst. L. Schmerling. 2,646,452, July 21.
Alkylation of aromatic hydrocarbons. R. M. Kennedy and A. Schneider. 2,626,966, Jan. 27.
Alkylation of aromatic hydrocarbons. W. A. Schulze. 2,645,672, July 14.
Alkylation of aromatic hydrocarbons with isoparaffins. F. E. Condon. 2,653,980, Sept. 29.
Alkylation of arylmethyl methyl ketones. F. S. Crossley. 2,644,843, July 7.
Alkylation of heterocyclic organic compounds. J. M. Mavity. 2,639,286, May 19.
Alkylation of phenolic compounds. R. C. Wackher and C. B. Linn. 2,647,931, Aug. 4.
Alkylation of phenols with polypropylene. G. M. McNulty and T. Cross, Jr. 2,655,544, Oct. 13.
Alkylation of thianaphthene. R. E. Conary and R. F. McCleary. 2,652,405, Sept. 15.
Alkylation process. W. W. Johnstone. 2,652,434, Sept. 15.
Alkylation utilizing evaporative cooling. D. H. Putney. 2,664,452, Dec. 29.
Alkylene-bridged 5,6-dihydroxy-quinolines. W. A. Lott. 2,659,729, Nov. 17.
(Alkysulfonamido) arylhydrazines. A. Weissberger. 2,663,732, Dec. 22.
All hand weaving adjustable loom. D. A. and G. S. Berger. 2,663,066, Dec. 22.
All-relay selective calling system. R. H. Herrick. 2,647,250, July 28.
All weather salt block. H. Futter. 2,658,476, Nov. 10.
Alley sweep. F. W. Anderson. 2,629,595, Feb. 24.
Alloy: *See*—
Cadmium-free low fusing point alloy.
Cerium base alloy.
Composite alloy.
Ferrous base chromium-nickel-titanium alloy.
Gold base alloy.
Hardenable stainless steel alloy.
Indium-bismuth-lead alloy.
Indium-bismuth-tin alloy.
Metal alloy.
Nonferrous alloy.
Precipitation hardenable iron base alloy.
Steel alloy.
Alloy adapted for prosthetic articles. E. S. Griffiths and W. D. Cashman. 2,631,095, Mar. 10.
Alloy addition agent. D. C. Hilty. 2,628,898, Feb. 17.
Alloy and process. D. J. Uhle. 2,633,438, Mar. 31.
Alloy irons and steels. K. Spitz. 2,633,420, Mar. 31.
Alloy steel. W. C. Clarke, Jr. Re. 23,685, July 14.
Alloy steel. O. W. McMullan. 2,654,683, Oct. 6.
Alloy steel products. H. Tanczyn. 2,646,352, July 21.
Alloys and rectifiers made thereof. K. Lark-Horovitz and R. M. Whaley. 2,637,770, May 5.
Alloys, The production of. R. P. Loewen and J. H. Starr. 2,651,569, Sept. 8.
Allyl alcohol-styrene copolymers. E. C. Shokal and P. A. Devlin. 2,630,430, Mar. 3.
Allyl derivatives of coumarin. R. S. Long and C. A. Sears. 2,647,133, July 28.
Allyl furfurylidenecyanoacetate herbicide. D. T. Mowry and A. H. Schlesinger. 2,653,866, Sept. 29.
Allyl-type phosphinates and polymers of the same. D. Harman and A. R. Stiles. 2,659,714, Nov. 17.
Alpha-acetamido-beta-hydroxypropiophenones, Preparation of. O. De Garmo and D. B. Guthrie. 2,655,536, Oct. 13.
α-Acetopyridines, Preparing. S. H. Hesse. 2,624,740, Jan. 6.
α-acylamido acrylic acids. H. W. Coover, Jr., and J. B. Dickey. 2,626,944, Jan. 27.
Alpha-acylaminomethyl acrylonitriles and polymers thereof. H. W. Coover, Jr., and J. B. Dickey. 2,659,715, Nov. 17.
Alpha, alpha diaryl piperidino methanols. H. W. Werner and C. H. Tilford. 2,624,739, Jan. 6.
α,α-dimethylbenzylhydroperoxide, Manufacture of. E. Brüning, D. Delfs, and G. Spielberger. 2,655,545, Oct. 13.
α,α-diphenyl-γ-(N-methyl-2-piperidyl)-butyramides and acid addition and quaternary ammonium derivatives thereof. L. A. Walter, R. H. Barry, and J. R. Clark. 2,649,456, Aug. 18.
α,α-diphenyl-γ-(1-methyl-2-piperidyl)-butyronitrile. L. A. Walter, R. H. Barry, and J. R. Clark. 2,649,455, Aug. 18.
Alpha, alpha-vitamin A diacid and synthesis of isoprenic polyenes. C. D. Robeson. 2,662,914, Dec. 15.
Alpha-amino acids containing alpha, fluorinated-alkyl or cycloalkyl groups. J. F. Lontz and M. S. Raasch. 2,662,915, Dec. 15.
α-amino-α,α-diphenylacetic acid derivatives and preparing same. R. Duschinsky. 2,642,433, June 16.
α-Aroyl-β-trichlormethyl-ethylenes. J. Druey. 2,659,757, Nov. 17.
α-Aryl-9-oxodehydroabietinols. R. P. Jacobsen. 2,656,345, Oct. 20.
α-β and -6-methyl-ionones, Preparation of. H. Grütter. 2,636,052, Apr. 21.
α-β Unsaturated cyclopolymethylenic ketones, Preparation of. M. Stoll. 2,656,391, Oct. 20.
Alpha-methyl glutamic acid and salts and preparation. K. Pfister, III and W. J. Leanza. 2,658,912, Nov. 10.
Alpha radiation detector. G. A. Argabrite. 2,652,499. Sept. 15.
α-(2-thienyl) benzylureas and producing the same. R. Duschinsky. 2,640,835, June 2.
Alphabetical and numerical character. C. A. Dinlocker and A. F. Steiert. 2,655,750, Oct. 20.
Alternate tipping valve. R. Rasmussen. 2,626,066, Jan. 20.
Alternating-current bridge. C. R. Schafer. 2,639,411, May 19.
Alternating current drop-out means for thermoelectric safety shutoff devices. R. B. Matthews. 2,649,767, Aug. 25.
Alternating current generator. F. A. Sherman. 2,655,611, Oct. 13.
Alternating current machine. W. Kober. 2,632,123, Mar. 17.
Alternating current rectifying installation. W. van Doorn. 2,662,199, Dec. 8.
Alternating wave generator. H. W. Augustadt. 2,639,385, May 19.
Alternator and exciter combination. I. Kalikow, C. L. Willey and J. W. Poole. 2,652,507, Sept. 15.
Alternator real power equalizing apparatus for multiple alternator systems. R. W. Stineman and J. W. Ward. 2,636,132, Apr. 21.
Altimeter with mechanically driven indicator, Pulse echo. R. C. Ballard. 2,638,587, May 12.
Altitude control system. F. Martindell. 2,653,307, Sept. 22.
Altitude controller unit. F. H. S. Rossire. 2,657,350, Oct. 27.
Altitude sensor. C. M. Perkins. 2,648,041, Aug. 4.
Alumina-base fillers for rubber compositions. H. J. Thibon and H. J. P. Mathieu. 2,656,250, Oct. 20.
Alumina from aluminum chloride hexahydrate, Preparation of. V. Haensel. 2,663,620, Dec. 22.
Alumina from higher alcoholates of aluminum, Preparation of. C. N. Kimberlin, Jr. 2,636,865, Apr. 28.
Alumina gel-containing catalysts. K. D. Ashley. 2,657,184, Oct. 27.
Alumina-halogen-platinum catalyst, Preparation of an. V. Haensel. 2,631,136, Mar. 10.
Alumina hydrate crystallization. M. A. Johnson. 2,657,978, Nov. 3.
Alumina hydrosols, Making. E. A. Hunter and C. N. Kimberlin, Jr. 2,656,321, Oct. 20.

Alumina-metal oxide dehydrogenation catalyst and its preparation. E. W. Pitzer. 2,638,455, May 12.
Alumina pebbie. S. P. Robinson. 2,630,617, Mar. 10.
Alumina pebbles, Making. S. P. Robinson. 2,635,950, Apr. 21.
Alumina pebbles, Stabilized. S. P. Robinson. 2,630,616, Mar. 10.
Alumina pebbles, Stabilized. S. P. Robinson. 2,633,622, Apr. 7.
Alumina-platinum catalysts, Manufacture of. V. Haensel. 2,636,863, Apr. 28.
Aluminum alloy containing mischmetal. J. B. Russell. 2,656,270, Oct. 20.
Aluminum-alloyed corrosion-resistant metal powders and related products and processes. G. Stern, S. J. Sindeband, and J. P. Scanlan. 2,657,129, Oct. 27.
Aluminum base bearing. J. A. Lignian. 2,648,580, Aug. 11.
Aluminum borohydride, Preparation of. J. B. Hinkamp. 2,657,975, Nov. 3.
Aluminum carbide, Producing. C. C. Heim. 2,640,760, June 2.
Aluminum-carbon black thickened grease compositions. R. O'Halloran. 2,653,131, Sept. 22.
Aluminum chlorhydroxy complex and borate gel. T. Govett and M. L. Almquist. 2,645,616, July 14.
Aluminum etch. R. D. Howard and R. E. Samuelson. 2,637,634, May 5.
Aluminum-magnesium casting alloys. C. B. Willmore. 2,628,899, Feb. 17.
Aluminum oxide, Making. R. A. Halversen. 2,643,935, June 30.
Aluminum salts of dibasic amino acids. J. W. Le Maistre and I. W. Grote. 2,641,604, June 9.
Aluminum-silicon alloys, Production of. L. J. Lichty. 2,627,458, Feb. 3.
Aluminum triformate, Preparation of. P. Delaune and R. Huet. 2,630,445, Mar. 3.
Amalgamator. R. P. Fisher and O. E. Walling. 2,634,860, Apr. 14.
Amalgamator mixer. S. R. Meaker. 2,655,353, Oct. 13.
Ambient-temperature compensated device. W. G. Fastie. 2,627,530, Feb. 3.
Ambulating water sprinkler. W. C. Rice. 2,660,472, Nov. 24.
Amide-glycamine condensation products. A. M. Schwartz. 2,653,932, Sept. 29.
Amides. J. A. King and F. H. McMillan. 2,640,055, May 26.
Amides of alkane phosphonic acids. A. H. Lewis and R. D. Stayner. 2,648,706, Aug. 11.
Amides, Preparation of. M. A. Naylor, Jr. 2,640,077, May 26.
Amides, Preparation of. H. A. Straw. 2,640,078, May 26.
Amides, Preparing. E. E. Magat. 2,628,217, Feb. 10.
Amidone amines and related derivatives. M. E. Speeter. 2,632,762, Mar. 24.
Amine nitrites, Preparation of. J. K. Wolfe and K. L. Temple. 2,635,116, Apr. 14.
Amine sulfonates and products obtained thereof, Preparing. M. Kosmin. 2,658,072, Nov. 3.
Amine treating and dehydration of gases. H. D. Frazier. 2,638,405, May 12.
Amines as gel-shrinkage reducing agents in synthetic-rubber sponge. L. A. Wohler and E. Schmidt. Re. 23,656, May 12.
Amines, Production of. A. W. C. Taylor, P. Davies, and P. W. Reynolds. 2,636,902, Apr. 28.
Amino acetals, Producing. J. W. Copenhaver. 2,628,254. Feb. 10.
Aminoalkane sulfuric acid modified urea-formaldehyde resins and preparing same. T. J. Suen and A. M. Schiller. 2,646,419, July 21.
Aminoalkyl thioxanthene oxides and the production thereof. J. W. Cusic. 2,629,719, Feb. 24.
Amino bicyclohexyl-alkyl acid phosphate reaction product. S. C. Vaughn. 2,656,375, Oct. 20.
Amino-compounds of the steroid series, Preparing. J. Schmidt-Thomé. 2,655,519-20, Oct. 13.
Amino-coumarin-sulfonates. F. Ackermann. Re. 23,703, Sept. 1.
Amino derivatives of dibenzofuran. W. Wenner. 2,648,684, Aug. 11.
Aminoethylhydrocarbonoxycyclohexenes. J. A. Hogg, J. Korman, W. B. Reid, Jr., and A. H. Nathan. 2,656,386, Oct. 20.
Aminoethylphosphonic acid compounds, Producing. E. K. Fields. 2,635,112, Apr. 14.
Aminoheterocycles. J. G. Erickson. 2,653,933, Sept. 29.
Aminoketones. J. B. Wright and E. H. Lincoln. 2,655,542, Oct. 13.
Amino ketones, Preparation of. P. A. Barrett. 2,649,444, Aug. 18.
Amino piperazines and preparing the same. E. A. Conroy and R. P. Parker. 2,663,707, Dec. 22.
Aminoplasts modified with titanium polymers. T. Boyd. 2,643,984, June 30.
Amino propane diol, Preparation of a substituted. R. M. Jacob and J. G. Robert. 2,628,975, Feb. 17.
Aminosiloxanes. L. H. Sommer. 2,662,909, Dec. 15.
Aminovalerolactones and their production. R. T. Arnold and G. E. Ullyot. 2,650,231, Aug. 25.
Ammeline, Preparation of. A. F. MacLean. Sept. 29.
Ammeline salts. D. W. Kaiser. 2,653,937, Se
Ammeter with swinging permanent magnet. J. 2,624,769, Jan. 6.
Ammonia-methyl borate compound. W. H. S 2,629,732, Feb. 24.
Ammonia saturator and tar removal apparatus. 2,646,345, July 21.
Ammonium chromate rinse for phosphate coated faces. H. J. Benzing. 2,634,225, Apr. 7.
Ammonium nitrilotrisulfate, Production of. N. 2,656,252, Oct. 20.
Ammonium penicillin, Preparation of. E. Sch G. A. Fleischer. 2,625,544, Jan. 13.
Ammonium salts, Quaternary. H. J. Barber. June 9.
Ammonium sulfate and calcium carbonate, Prod S. P. Robinson. 2,640,757, June 2.
Ammonium sulfate and calcium oxide manufactu Robinson. 2,656,247, Oct. 20.
Ammonium sulfate from refinery wastes, Manuf D. A. H. Olson. 2,648,594, Aug. 11.
Ammonium sulfate, Making. A. M. Thomsen. Dec. 15.
Ammonium sulfate production. C. Otto. 2,645, 14.
Ammonium sulfate production. S. P. Robinson. Mar. 10.
Ammonium sulfate production. A. J. Shmidl. Nov. 17.
Ammonium sulfate production. R. K. Simms. Oct. 20.
Ammonium uranium fluoride, Production of. A and R. B. Mooney. 2,650,153, Aug. 25.
Ammunition. R. T. Catlin. 2,652,776, Sept. 22
Ammunition. R. T. Catlin, C. S. Cummings, Eckstein, and P. Hickman. 2,663,259, Dec. 22
Ammunition. J. D. Howell. 2,656,793, Oct. 27.
Ammunition assembling machine. W. S. Rey J. R. Turner. 2,649,832, Aug. 25.
Ammunition priming composition and produc A. G. Schuricht. 2,662,818, Dec. 15.
Amount entering means for accounting machin Fettig. 2,637,494, May 5.
Amperometric analyzer. J. F. Haller. 2,651,61
Amphibian landing craft, Submersible. N. 2,627,832, Feb. 10.
Amplification system. I. E. Grosdoff. 2,628,29
Amplification system, Multiple load. H. S. Vi and F. B. Stone. 2,631,197, Mar. 10.
Amplifier, Adjustable beam-trace-positioning. 2,647,174, July 28.
Amplifier and converter unit for radio apparatus C. Wasmansdorff. 2,627,579, Feb. 3.
Amplifier and receiver system. E. D. Phinney Bailey. 2,640,917, June 2.
Amplifier and rectifier, Semiconductor. J. I. nikoff. 2,662,976, Dec. 15.
Amplifier, Bidirectional transistor. H. L. 2,659,774, Nov. 17.
Amplifier circuit for color television. G. 2,626,323, Jan. 20.
Amplifier circuits for coded carrier current, Vac L. R. Allison. 2,662,934, Dec. 15.
Amplifier circuits, Transistor. R. L. Wa 2,652,460, Sept. 15.
Amplifier control system. R. J. Rockwell. July 21.
Amplifier control system, Magnetic. H. 2,632,877, Mar. 24.
Amplifier creeping speed control, Magnetic. M. 2,663,833, Dec. 22.
Amplifier, Crystal. H. Heins. 2,646,609, July
Amplifier device, Traveling wave. R. S. Bailey. Sept. 29.
Amplifier, Direct current. L. Lynch. 2,646,51
Amplifier, Direct current. W. Parisoe. 2,631 19
Amplifier, Electromechanical. N. A. Hassler. Aug. 11.
Amplifier, Electronic. J. W. Smith. 2,629,073
Amplifier, Electronic alternating current. D. L. 2,626,324, Jan. 20.
Amplifier for cathode-ray tubes, Compensating. 2,631,260, Mar. 10.
Amplifier for pulses. G. E. Hagen. 2,644,910,
Amplifier for radio circuits, Compression. W. 2,659,777, Nov. 17.
Amplifier for wide amplitude range, Balanced nel. J. H. Long. 2,646,469, July 21.
Amplifier, Frequency selective. H. A. Tooker. Feb. 24.
Amplifier, High efficiency radio-frequency powe Doherty. 2,658,959, Nov. 10.
Amplifier, High-frequency. G. E. Mueller. Dec. 1.
Amplifier, High-frequency. J. R. Pierce. 2,630 28.
Amplifier, High-frequency. D. H. Sloan. Sept. 22.
Amplifier, High-frequency wide band. C. P. Gad Macnee, and H. Wallman. 2,644,860, July 7.

Amplifier, Microwave. A. V. Hollenberg. 2,652,513, Sept. 15.
Amplifier, Microwave energy. W. M. Gottschalk. 2,627,586, Feb. 3.
Amplifier, Negative feed-back. E. L. C. White. 2,652,459, Sept. 15.
Amplifier network, Electrometer. P. S. Goodwin. 2,656,498–9, Oct. 20.
Amplifier, Nonlinear optical. C. J. T. Young. 2,635,193, Apr. 14.
Amplifier, Nonsinusoidal. B. C. Fleming-Williams and A. H. A. Wynn. 2,659,816, Nov. 17.
Amplifier of the magnetron type, Microwave. J. B. H. Kuper. 2,640,951, June 2.
Amplifier, Photoelectric feedback operated. G. A. Fink. 2,651,019, Sept. 1.
Amplifier, Plural-stage rotary. W. R. Harding and L. G. Opel. 2,663,841, Dec. 22.
Amplifier, Pulse. J. Onla. 2,632,064, Mar. 17.
Amplifier, Push-pull wide band. R. J. Rockwell. 2,648,727, Aug. 11.
Amplifier, Radio frequency. W. A. Claps. 2,650,296, Aug. 25.
Amplifier, Self-biasing magnetic. D. J. Sikorra. 2,632,145, Mar. 17.
Amplifier, Self-quench superregenerative. D. Richman. 2,644,080, June 30.
Amplifier, Signal. W. C. Morrison. 2,631,201, Mar. 10.
Amplifier, Stabilized thermionic. V. J. Cooper and J. E. A. Nixon. 2,661,398, Dec. 1.
Amplifier system for neutron detectors, Voltage stabilizing. K. C. Crumrine and R. P. Mazzagatti. 2,662,188, Dec. 8.
Amplifier system for spectrographic analysis, Pulse. A. J. Williams, Jr. 2,638,811, May 19.
Amplifier system, High gain selective signal. W. van B. Roberts. 2,629,025, Feb. 17.
Amplifier system, Magnetic. H. F. McKenney and H. Kaplan. 2,636,150, Apr. 21.
Amplifier, Torque. O. H. Schmitt. 2,632,136, Mar. 17.
Amplifier, Transformer-coupled pulse-train. W. L. Martin, R. J. Slutz, and H. R. Senf. 2,650,955, Sept. 1.
Amplifier, Traveling wave. A. G. Clavier and E. C. de Faymoreau. 2,651,686, Sept. 8.
Amplifier, Tunable high-frequency push-pull power. D. Boterweg, S. Breimer, and A. G. Robeer. 2,662,127, Dec. 8.
Amplifier, Ultrahigh-frequency. D. B. Reeves. 2,639,335, May 19.
Amplifier utilizing deflection of an electron beam. R. A. Heising. 2,650,956, Sept. 1.
Amplifier, Variable band width. R. L. Harvey. 2,661,399, Dec. 1.
Amplifier, Wide band. F. H. McIntosh. 2,646,467, July 21.
Amplifier with automatic gain control, Electric. C. T. Daly. 2,647,176, July 28.
Amplifier with conjugate input and output circuits, Transistor. L. A. Meacham. 2,663,766, Dec. 22.
Amplifier with double frequency discriminator, Electronic. R. R. Chapman. 2,651,014, Sept. 1.
Amplifier with positive and negative feedback. J. M. Miller, Jr. 2,652,458, Sept. 15.
Amplifying and triggering means for magnetic hardness testers. M. J. Diamond. 2,645,341, July 14.
Amplifying apparatus, Electronic. D. W. Rivenburg. 2,654,057, Sept. 29.
Amplifying apparatus for use with telephones. D. J. Ferrier. 2,639,329, May 19.
Amplifying apparatus, Telephone. M. L. M. Souget and N. L. Chalfin. 2,632,811, Mar. 24.
Amplifying device for use with telephone apparatus. J. C. S. and L. C. Branson. 2,657,265, Oct. 27.
Amplifying device, Pressure. A. L. Seljos. 2,659,381, Nov. 17.
Amplifying system, Direct coupled. C. E. Bessey. 2,638,512, May 12.
Amplitude-discriminating circuits. E. H. Cooke-Yarborough. 2,653,231, Sept. 22.
Amplitude discriminating noise reducing means. H. Rinia. 2,662,174, Dec. 8.
Amplitude linearity measurement. B. C King, Jr. 2,646,545, July 21.
Amplitude modulation circuit. P. H. Peters, Jr. 2,637,838, May 5.
Ampoule breaker. S. Reyes. 2,638,022, May 12.
Ampoule cutter. E. F. Wenner. 2,655,767, Oct. 20.
Ampoule inspection. Method of and apparatus for. E. W. Kellogg, L. T. Sachtleben, and J. F. Price. 2,635,194, Apr. 14.
Ampoule-syringe, Surgical. O. H. Pontius. 2,642,868, June 23.
Amusement and target practicing device. J. C. Kocl. 2,661,954, Dec. 8.
M. Spiegel. 2,653,413, Sept. 29.
Amusement device, Magnetic. F. J. Neuzerling. 2,632,648, Mar. 24.
Amusement device, Occupant propelled. C. C. Beckett. 2,643,122, June 23.
Amusement device, Roundabout. E. C. Siverts. 2,659,601, Nov. 17.
Amusement figure, Animated. J. T. Fugitt. 2,637,940, May 12.
Amylose films, Producing. H. A. Davis, I. A. Wolff, and J. E. Cluskey. 2,656,571, Oct. 27.
Analgesic compounds and compositions. M. J. Lewenstein. 2,628,185, Feb. 10.
Analogue, Electrical. G. Herzog. 2,630,511, Mar. 3.
Analogue, Electrical. G. Herzog and B. D. Lee. 2,661,897, Dec. 8.
Analysis of mixtures. J. L. Waters. 2,648,775, Aug. 11.
Analysis of signal transfer devices. A. C. Schroeder. 2,628,266, Feb 10.
Analytical apparatus for determination of sulfur. H. J. Kusa. 2,634,360, Apr. 7.
Analytical balance. E. K. Mettler and J. Meier. 2,648,534, Aug. 11.
Analytical balance. B. Wasko. 2,647,741, Aug. 4.
Analytical reagent and method. B. Gehauf and J. Goldenson. 2,637,631, May 5.
Analytical sample cell. J. F. Black. 2,649,011, Aug. 18.
Analyzers and control devices, Volumetric gas. W. W. Sadler. 2,635,038, Apr. 14.
Analyzing cards, Process and apparatus for. C. H. Stuivenberg. 2,638,842, May 19.
Analyzing gases, Method of and apparatus for. R. O. Seitz. 2,640,870, June 2.
Analyzing shape and bending stresses in structural elements, Method and apparatus for. O. G. Bowen. 2,646,716, July 28.
Anatomical knee. O. S. Johnson. 2,638,605, May 19.
Anchor. H. H. Buck. 2,643,630, June 30.
Anchor. R. S. Danforth. 2,641,215, June 9.
Anchor. R. S. Danforth. 2,643,631, June 30.
Anchor. G. E. Dial. 2,641,216, June 9.
Anchor. F. W. Southard. 2,625,898, Jan. 20.
Anchor, Boat. F. W. Huck. 2,643,629, June 30.
Anchor davit. G. F. Evans. 2,661,711, Dec. 8.
Anchor, Decoy. T. S. Toal. 2,630,093, Mar. 3.
Anchor device for wells, Internal. E. W. Bagnell. 2,662,601, Dec. 15.
Anchor escapement for timepieces. M. Huguenin. 2,663,991, Dec. 29.
Anchor, Expanding earth. W. L. Hollander. 2,658,590, Nov. 10.
Anchor, Fence post. W. W. Gordon. 2,653,688, Sept. 29.
Anchor for index cards. H. J. Hoffman. 2,634,730, Apr. 14.
Anchor for well equipment. J. S. Page. 2,658,459, Nov. 10.
Anchor, Ground. A. G. Steinmayer. 2,633,212, Mar. 31.
Anchor, Hanging object. G. R. Lanman. 2,643,840, June 30.
Anchor, Lading band. J. S. Swann. 2,655,874, Oct. 20.
Anchor, Lading strap. C. R. Jones. 2,643,618, June 30.
Anchor, Lading tie. M. S. Johnson. 2,661,704, Dec. 8.
Anchor line sheave for small boats, Clamp-on. C. C. Swonger. 2,642,025, June 16.
Anchor means, Pipe. M. S. Johnson and H. E. Ray. 2,661,919, Dec. 8.
Anchor plate. D. F. Downing. 2,627,637, Feb. 10.
Anchor, Rail. J. L. Grant. 2,632,601, Mar. 24.
Anchor, Rail. C. H. Marvin. 2,656,117, Oct. 20.
Anchor, Rock. H. R. Ogburn. 2,642,768, June 23.
Anchor rope snubber for boats. G. H. Klippel. 2,636,466, Apr. 28.
Anchor, Ship. P. W. Polenz. 2,630,774, Mar. 10.
Anchor tripper. A. W. Gronquist. 2,632,418, Mar. 24.
Anchor with sliding shackle, Boat. E. H. Jenshak. 2,651,277, Sept. 8.
Anchored corrugated decking. A. C. Weber. 2,639,010 May 19.
Anchoring assembly for dental prosthesis, Resilient. E. Roccato. 2,660,789, Dec. 1.
Anchoring device for insulated flexible electric cables. J. S. Atkins. 2,657,890, Nov. 3.
Anchoring device, Nut. G. A. Tinnerman. 2,633,886, Apr. 7.
Anchoring means for wavy wire spring ends. R. F. Kruszona. 2,657,738, Nov. 3.
Anchoring screening, Means for. W. B. Ewing. 2,630,170, Mar. 3.
Anchoring stake. F. F. Schiff. 2,633,947, Apr. 7.
Anchors, Making. R. S. Danforth. 2,633,626, Apr. 7.
Andiron legs, Making. H. Sherman. 2,642,024, June 16.
Anesthesia apparatus. A. E. Engelder. 2,641,253, June 9.
Anesthetic apparatus. H. Hammermann. 2,664,084, Dec. 29.

Angle measuring device. H. C. Reading. 2,626,465, Jan. 27.
Angle measuring tool. C. H. Anderson, Sr. 2,649,780, Aug. 25.
Angle measuring tool. H. D. Richardson. 2,634,503, Apr. 14.
Angle of attack controlled safety device for aircraft. W. Gehrig. 2,637,295, May 5.
Angle of attack indicator. W. Gehrig. 2,637,294, May 5.
Angle of attack sensing device. O. H. Schuck and R. C. Alderson. 2,660,056, Nov. 24.
Angle socket for electric lamps. R. G. Godfrey and F. J. Krajcik. 2,655,637, Oct. 13.
Angler's bait container. H. C. N. McGee. 2,630,651, Mar. 10.
Angler's fly box. L. H. Jackson. 2,661,565, Dec. 8.
Angular adapter for cleaning tools. E. Leas. 2,624,061, Jan. 6.
Angular modulating system. P. D. Heath. 2,650,250, Aug. 25.
Angular motion detector and position indicator. W. Palmer. 2,651,771, Sept. 8.
Angular velocity responsive apparatus. J. Lyman, R. E. Barnaby, and R. Proskauer. 2,627,400, Feb. 3.
Anhydrides, Making. L. Rigon. 2,658,914, Nov. 10.
Anhydrides of organic carboxylic acids and ortho titanic acid, Preparation of the mixed. T. Boyd. 2,630,443, Mar. 3.
Anhydro 2-carboxylicacylamino-3,5-diiodobenzoic acids and process. V. H. Wallingford. 2,633,466, Mar. 31.
Anhydrous zirconium fluoride, Production of. R. J. Anderson. 2,639,218, May 19.
Animal cage feeding device. J. E. Forester. 2,653,569, Sept. 29.
Animal carrying cart. C. W. Jones. 2,629,608, Feb. 24.
Animal feeder. R. A. Grindstaff. 2,653,570, Sept. 29.
Animal feeder. J. L. Schroeder. 2,642,837, June 23.
Animal handling device. J. D. Julius. 2,663,283, Dec. 22.
Animal-restraining device. C. H. and W. L. Basler. 2,655,900, Oct. 20.
Animal rubbing and oiling station. W. M. Kirk. 2,641,225, June 9.
Animal simulating attachment for bicycles. A. Lucchesi. 2,643,133, June 23.
Animal simulating tricycle attachment. L. E. Thacker. 2,626,161, Jan. 20.
Animal trap. L. C. Cronberger. 2,655,759, Oct. 20.
Animal trap. F. S. Jones. 2,663,116, Dec. 22.
Animal trap. H. A. Koski. 2,627,137, Feb. 3.
Animal trap. A. W. Salokar. 2,648,930, Aug. 18.
Animal trap. H. A. Stilson. 2,637,932, May 12.
Animal treatment support. W. H. Voigt. 2,630,099, Mar. 3.
Animalization of cellulose. J. K. Dixon and N. T. Woodberry. 2,654,715, Oct. 6.
Animated attachment for record players. M. A. Estes. 2,660,829, Dec. 1.
Animated figure. F. L. Dale and L. L. McMickle. 2,637,936, May 12.
Animator's stand. H. Lion. 2,660,389, Nov. 24.
Anion exchange resins from amines and alkyl styrene polymers. E. L. McMaster, R. M. Wheaton, and J. R. Skidmore. 2,632,000, Mar. 17.
Anion exchange resins from primary or secondary amines and methyl styrene polymers. E. L. McMaster, R. M. Wheaton, and J. R. Skidmore. 2,631,999, Mar. 17.
Anion exchange resins from tertiary amines and methyl styrene polymers. E. L. McMaster, R. M. Wheaton, and J. R. Skidmore. 2,632,001, Mar. 17.
Anion-exchange resins, Making. R. M. Wheaton and D. F. Harrington. 2,642,417, June 16.
Anion-exchange resins, Preparation of weakly basic. J. C. H. Hwa. 2,630,429, Mar. 3.
Ankle and foot support. J. C. Capossela. 2,645,222, July 14.
Annealed copper ruby glass articles, Making. R. F. Brenner and P. D. Dilliard. 2,653,419, Sept. 29.
Annealing base construction. J. E. Robinson. 2,660,420, Nov. 24.
Annular combustion liner having conical reentrant walls with fuel reversing elements. F. T. Hague. 2,628,474, Feb. 17.
Annunciator circuit. A. E. Dodd. 2,625,597, Jan. 13.
Annunciator for games. T. J. Doherty and M. E. Curl. 2,631,274, Mar. 10.
Anode assembly for primary galvanic cell. E. A. Schumacher and G. W. Heise. 2,644,024, June 30.
Anode for electrolytic condensers. J. B. Brennan. 2,648,119, Aug. 11.
Anode for primary galvanic cell. R. C. Sundeen. 2,648,718, Aug. 11.
Anode package. R. H. Long. 2,626,046, Jan. 20.
Antenna. G. A. Jarvis. 2,655,332, May 19.
Antenna. L. F. Kleis. 2,657,311, Oct. 27.
Antenna. N. E. Lindenblad. 2,629,051, Feb. 17.
Antenna. E. A. Martinelli. 2,646,507, July 21.
Antenna. L. E. Raburn and R. W. Anderson. 2,632,848, Mar. 24.
Antenna. J. R. Risser. 2,644,092, June 30.
Antenna. W. E. Robbins. 2,640,932, June 2.
Antenna. J. W. Sheriff. 2,631,235, Mar. 10.
Antenna. W. Sichak. 2,664,508, Dec. 29.
Antenna. W. Sichak and S. Milazzo. 2,631,237, Mar. 10.
Antenna. L. E. Swarts, Jr. 2,635,191, Apr. 14.
Antenna accessory. J. Finkel. 2,654,857, Oct. 6.
Antenna, Achromatic lens. W. E. Kock. 2,640,154, May 26.
Antenna, Aircraft. A. Dorne. 2,636,987, Apr. 28.
Antenna, All band television. L. H. Finneburgh, Jr. 2,655,599, Oct. 13.
Antenna and feed arrangement therefor, Dipole. J. P. Shanklin. 2,652,492, Sept. 15.
Antenna and system, High-inductance loop. H. B. Stott. 2,641,704, June 9.
Antenna apparatus. S. L. Bergey and J. A. Nottingham. 2,651,721, Sept. 8.
Antenna arrangement for radar, Circularly polarized. W. Sichak. 2,640,915, June 2.
Antenna array. E. G. Hills. 2,631,238, Mar. 10.
Antenna array for television signal reception, Stacked. H. R. Hillison. 2,655,600, Oct. 13.
Antenna array, Helical. M. D. Adcock and A. E. Marston. 2,630,530, Mar. 3.
Antenna array system. L. Hatkin and J. Ruze. 2,636,124, Apr. 21.
Antenna assembly. F. J. Lundburg and F. X. Bucher. 2,640,930, June 2.
Antenna, Broad band. A. Dorne. 2,635,187, Apr. 14.
Antenna, Broad band. J. A. Nelson and D. I. Wilholt. 2,624,844, Jan. 6.
Antenna, Broad band bidirectional. A. Alford. 2,646,505, July 21.
Antenna, Broad-band directive. O. M. Woodward, Jr. 2,656,463, Oct. 20.
Antenna, Broadband loop. S. Frankel. 2,642,529, June 16.
Antenna, Cavity. A. Dorne and D. Lazarus. 2,658,145, Nov. 3.
Antenna, Circularly polarized broad band. A. G. Kandoian. 2,640,928, June 2.
Antenna, Conical scan. J. J. Brady. 2,643,338, June 23.
Antenna construction, Extensible. E. Carlson. 2,634,370, Apr. 7.
Antenna coupling network. A. J. Runft. 2,657,310, Oct. 27.
Antenna, Dielectric. J. E. Eaton. 2,649,002, Aug. 4.
Antenna, Dipole. O. McD. Woodward, Jr. 2,648,768, Aug. 11.
Antenna, Directional. J. J. Root. 2,640,931, June 2.
Antenna direction indicator. R. E. Clapp. 2,653,313, Sept. 22.
Antenna, Directive. W. E. Kock. 2,663,797, Dec. 22.
Antenna distribution system, Receiving station. H. O. Peterson and B. A. Trevor. 2,628,312, Feb. 10.
Antenna, Dual frequency. K. T. Bainbridge. 2,653,238. Sept. 22.
Antenna, Dual range. J. C. Spindler. 2,640,933, June 2.
Antenna, Elliptically polarized. J. J. Nail. 2,643,337, June 23.
Antenna for cylindrical waves, Polarizing. H. A. Affel, Jr., and R. A. Dibos. 2,637,847, May 5.
Antenna for producing elliptically polarized waves. H. J. Riblet. 2,635,188, Apr. 14.
Antenna for television receivers. R. B. Albright. 2,642,528, June 16.
Antenna for televisions, Rotatable. M. P. De Conti. 2,642,754, June 23.
Antenna for vehicle mounting. W. J. Race. 2,664,506, Dec. 29.
Antenna having concealed lightning arrester. E. Finkel. 2,651,720, Sept. 8.
Antenna, Helically slotted cylindrical. W. Sichak. 2,633,532, Mar. 31.
Antenna, High altitude. A. G. Kandoian and R. A. Felsenheld. 2,627,026, Jan. 27.
Antenna, High-frequency. M. P. Middlemark. 2,644,091, June 30.
Antenna, High-frequency. J. J. Root. 2,644,888, July 7.
Antenna, Indoor television. G. P. Kearse. 2,658,144, Nov. 3.
Antenna, Indoor television receiving. L. F. Roberts. 2,632,105, Mar. 17.
Antenna, Loop. J. C. Spindler. 2,649,545, Aug. 18.
Antenna mast. W. U. Matson and W. K. Barrett. 2,647,941, Aug. 4.

Antenna mast. J. W. McGee. 2,626,353, Jan. 20.
Antenna, Microwave. H. Gruenberg. 2,639,383, May 19.
Antenna, Microwave. H. Gruenberg. 2,659,005, Nov. 10.
Antenna, Microwave. G. de Pillot de Coligny. 2,663,016, Dec. 15.
Antenna mount. W. D. Mullins, Jr., C. K. West, J. M. Slater, and G. S. Perkins. 2,654,031, Sept. 29.
Antenna mountable in small spaces. A. Dorne, D. Lazarus, and H. P. Minot. 2,659,003, Nov. 10.
Antenna mounting base. M. F. Krizman. 2,628,796, Feb. 17.
Antenna, Multiple slot. N. E. Lindenblad. 2,628,311, Feb. 10.
Antenna, Multi-V FM. M. W. Scheldorf. 2,637,533, May 5.
Antenna, Nonresonant directive. N. E. Lindenblad. 2,659,004, Nov. 10.
Antenna, Nutating. B. J. Fisher, Jr. 2,646,508, July 21.
Antenna, Pillbox. L. J. Chu and M. A. Taggart. 2,638,546, May 12.
Antenna, Radar. O. E. Szekely. 2,653,240, Sept. 22.
Antenna radar system, Dual scanning. W. A. Huber and N. T. Volsk. 2,627,069, Jan. 27.
Antenna, Radio. B. W. Blanchard, Jr. 2,648,770, Aug. 11.
Antenna, Radio. W. H. De Peau and H. M. Pomeroy. 2,638,545, May 12.
Antenna, Radio. T. Schmidt. 2,635,186, Apr. 14.
Antenna, Radio. L. C. Smeby. 2,647,211, July 28.
Antenna, Radio frequency. H. F. Engelmann. 2,654,842, Oct. 6.
Antenna, Recessed slot. A. Dorne. 2,644,090, June 30.
Antenna, Reflector scanning. L. J. Chu. 2,643,339, June 23.
Antenna, Ring type. H. J. Rowland. 2,648,001, Aug. 4.
Antenna, Scanning. H. Iams. 2,629,052, Feb. 17.
Antenna, Scanning. C. V. Robinson. 2,633,533, Mar. 31.
Antenna scanning system, Helical. M. D. Adcock and A. E. Marston. 2,663,869, Dec. 22.
Antenna sector scan control. T. B. Morse and J. F. Yeager. 2,648,038, Aug. 4.
Antenna, Shiftable directional. N. Marchand. 2,640,192, May 26.
Antenna, Simplified electrically steerable. F. Murai. 2,664,507, Dec. 29.
Antenna, Slotted cylindrical. A. Alford. 2,625,654, Jan. 13.
Antenna, Split truncated cone. P. M. Keeler. 2,659,002, Nov. 10.
Antenna structure. C. F. Valach. 2,641,703, June 9.
Antenna support tower and erecting and operating same. R. E. Frushour. 2,645,315, July 14.
Antenna system. W. R. Bliss. 2,644,089, June 30.
Antenna system. S. H. M. Dodington. 2,641,756, June 9.
Antenna system. C. B. H. Feldman. 2,647,212, July 28.
Antenna system. A. C. Hayes. 2,636,122, Apr. 21.
Antenna system. W. B. Nowak. 2,627,028, Jan. 27.
Antenna system, Broad band. J. A. Nelson. 2,633,531, Mar. 31.
Antenna system, Directed beam. G. Guanella. 2,630,532, Mar. 3.
Antenna system, Direction finding. J. R. Ford and W. P. Bollinger. 2,648,839, Aug. 11.
Antenna system, Directive. S. R. Thrift. 2,644,158, June 30.
Antenna system, High-frequency loop. K. Schlesinger. 2,650,303, Aug. 25.
Antenna system, Multichannel. R. W. Masters. 2,634,371, Apr. 7.
Antenna system, Slotted. W. A. Johnson and R. H. J. Cary. 2,661,422, Dec. 1.
Antenna system, Television. H. Cuvilliez. 2,654,030, Sept. 29.
Antenna system, Television. J. J. Root. 2,631,236, Mar. 10.
Antenna system, Ultrahigh-frequency broadcast. O. O. Fiet and R. M. Scudder. 2,658,143, Nov. 3.
Antenna, Television. H. C. Andersen. 2,643,335, June 23.
Antenna, Television. M. D. Ercolino. 2,640,929, June 2.
Antenna, Television. L. H. Finneburgh, Jr. 2,630,531, Mar. 3.
Antenna, Television. G. W. Fyler. 2,632,849, Mar. 24.
Antenna, Television. J. Hilvjak. 2,632,107, Mar. 17.
Antenna, Television. A. Lago. 2,640,934, June 2.
Antenna, Television. R. Riderman. 2,636,986, Apr. 28.
Antenna, Television. K. Schlesinger. 2,650,304, Aug. 25.
Antenna tower supporting base. C. E. Kessler. 2,637,516, May 5.
Antenna tuning control for radio transmitters. H. A. Musk and J. G. Hammond. 2,653,223, Sept. 22.
Antenna, Turnstile. N. W. Aram. 2,643,334, June 23.
Antenna, Two-feed "X" band. W. S. Parnell and J. W. Taylor, Jr. 2,627,020, Jan. 27.
Antenna, Variable. N. C. Amen. 2,660,675, Nov. 24.
Antenna, Wide angle radiation. R. W. Masters. 2,648,769, Aug. 11.
Antenna with bisectional radiator, Wave guide. L. C. Van Atta. 2,635,189, Apr. 14.
Antenna with included reflector, Multidirectional. M. P. Middlemark. 2,661,423, Dec. 1.
Antenna with two-way acting fluid driving means, Extensible. F. V. Gosline. 2,646,504, July 21.
Anthelmintic compositions. A. H. Craige, Jr. 2,646,382–3, July 21.
Anthranilic acid, Manufacture of. C. W. Balch. 2,653,971, Sept. 29.
Anthrapyridone dyestuffs. A. Peter and J. Günthart. 2,644,821, July 7.
Anthraquinone compounds, Preparation of. H. Z. Lecher and K. C. Whitehouse. 2,652,408, Sept. 15.
Anthraquinone dyestuffs. J. R. Adams, Jr. and V. S. Salvin. 2,658,898, Nov. 10.
Antiabrasion coatings for gelatino silver halide emulsion layers consisting of resins obtained by condensing 5-substituted hydantoins with formaldehyde. B. M. Bower and W. R. Young. 2,633,423, Mar. 31.
Antibacklash attachment for fishing reels. E. P. Battaglia. 2,637,508, May 5.
Antibacklash fishing reel. R. L. Cooper. 2,658,696, Nov. 10.
Antibacklash gearing. C. W. Cairnes. 2,663,198, Dec. 22.
Antibacklash gearing. R. E. Divette, W. H. Gille, and W. L. Huntington. 2,655,050, Oct. 13.
Antibacklash servo clutch. J. L. Giffen. 2,662,624, Dec. 15.
Antibiotic and preparing same. W. S. Marsh, R. L. Mayer, R. P. Mull, C. R. Scholz, and R. W. Townley. 2,633,445, Mar. 31.
Antibiotic derivatives of streptomycin. W. A. Winsten and M. Katz. 2,634,264, Apr. 7.
Antibiotic solutions, Stable. M. D. Bray. 2,643,998, June 30.
Antibreeding shield and harness for bulls. J. E. Massey. 2,625,134, Jan. 13.
Antiburst tube for pipes. F. Cook. 2,629,402, Feb. 24.
Anticorrosion agents and compositions comprising the
Anticorrosion needle mounting. G. Bitzer. 2,653,906, Sept. 29.
Anticurl device for collars. B. Liebowitz. Re. 23,617, Jan. 27.
Antideflection roll. L. Hornbostel. 2,648,122, Aug. 11.
Antideflection roll assembly. L. Hornbostel. 2,651,103, Sept. 8.
Antideflection roll, assembly, and use. L. Hornbostel. 2,651,241, Sept. 8.
Antidiffusion diazotypes having tetrazo diphenyls as the light sensitive agent. S. C. Slifkin. 2,661,291, Dec. 1.
Antidribble valve. W. L. Huntington. 2,625,437, Jan. 13.
Antidrip device for coffee cups and the like. E. Berg. 2,657,559, Nov. 3.
Antifading baths for photographic black and white materials. E. S. Mackey. 2,629,661, Feb. 24.
Antifading baths for photographic black-and-white prints. H. C. Harsh. 2,629,660, Feb. 24.
Antiflapping lock. M. D. Bulvid. 2,628,686, Feb. 17.
Antifoam material. E. I. Valko and J. Kamlet. 2,635,079, Apr. 14.
Antifoaming composition. C. C. Currie. 2,632,736, Mar. 24.
Antifreeze heater. M. A. Spurlin. 2,654,826, Oct. 6.
Antifreeze solution tester. F. R. Wilson. 2,628,494, Feb. 17.
Antifreeze tester. W. T. Bieler. 2,636,378, Apr. 28.
Antifreeze tester. R. B. Rudy. 2,643,540, June 30.
Antifreezing and nonpolluting water valve. N. F. Wetzel. 2,638,114, May 12.
Antifriction bearing greases, Manufacturing of. L. W. Sproule and J. S. Gray. 2,657,180, Oct. 27.
Antifriction carriage roller. V. L. Barr. 2,643,162, June 23.
Antifriction mount for the distributor plate of motor vehicle distributors. H. Henrichs. 2,660,630, Nov. 24.
Antigen-rich bacterial toxins and toxoids, Preparing. F. H. Eggert. 2,635,984, Apr. 21.
Antigen for determination of syphilis and making the same from yeast. P. Fugazzotto. 2,638,435, May 12.
Antiglare visor mounting bracket. L. H. Schultz. 2,660,390, Nov. 24.
Antihistamine compounds. W. Schuler. 2,662,885, Dec. 15.
Antihistaminic substances. N. Sperber, D. Papa, and E. Schwenk. 2,656,358, Oct. 20.
Anti-icing apparatus having means to control temperature and pressure of the heating gases. A. H. Redding, I. R. Whiteman, and W. F. Thompson, Jr. 2,648,193, Aug. 11.
Anti-icing means for the air intake of gas turbines. C. W. Hodges and C. F. Koenig, III. 2,634,049, Apr. 7.
Antiicing of compressors of aircraft gas turbine engines. H. C. Luttman. 2,655,308, Oct. 13.
Antiinertia mechanism for sliding doors. W. Armstrong. 2,653,022, Sept. 22.
Antijackknife fifth wheel coupling. W. G. Sherry. 2,652,262, Sept. 15.
Antimycin and process for production. G. W. Keitt, C. Leben, and F. M. Strong. 2,657,170, Oct. 27.
Antiocoagulant rodenticide. G. S. Delmar and E. N. Macallum. 2,651,591, Sept. 8.
Antioffset powder and preparing same. L. J. La Brie and J. E. Fenn. 2,647,892, Aug. 4.
Antioxidant for fats and fatty oils. A. W. Schwab and H. J. Dutton. 2,636,887, Apr. 28.
Antioxidant for petroleum products. A. R. Jones and J. O. Smith, Jr. 2,627,511, Feb. 3.
Antioxidant salt and preparing the same. C. S. Robison. 2,645,581, July 14.
Antioxidants. T. H. Newby. 2,660,605–6, Nov. 24.

Antipick cylinder type lock. H. R. Segal. 2,653,467, Sept. 29.
Antipicking device. C. J. Zurlo. 2,639,691, May 26.
Antipuckering means for sofa bed upholstery. P. W. Ake and J. T. Lester. 2,654,099, Oct. 6.
Antirattling device for windows. A. E. Giguere. 2,649,326, Aug. 18.
Antirollback brake for ammunition boosters. C. B. Pearson. 2,629,287, Feb. 24.
Antirollback brake for boosters. L. E. Jenssen and J. A. Warren. 2,629,288, Feb. 24.
Antiseptic acridane compounds. D. L. Tabern. 2,645,594, July 14.
Antiseptic and preparation thereof. D. E. Cooper and L. C. Cheney. 2,632,775, Mar. 24.
Antisiphon device for washing machines. L. R. Garman. 2,631,448, Mar. 17.
Antisiphonage inlet system for washing machines and the like. W. L. Shelton. 2,638,112, May 12.
Antisiphonic and sound-reducing valve. J. C. Owens. 2,655,172, Oct. 13.
Antiskid attachment. H. Eisner. 2,632,491, Mar. 24.
Antiskid chain and mounting means therefor. G. W. Caruolo. 2,625,977, Jan. 20.
Antiskid cross chain. I. Botnick. 2,664,134, Dec. 29.
Antiskid device. O. Cardell. 2,663,345, Dec. 22.
Antiskid device. E. Gross. 2,655,971, Oct. 20.
Antiskid device. F. J. Mulholland. 2,638,953, May 19.
Antiskid device. I. B. Purdy. 2,631,637, Mar. 17.
Antiskid device for vehicle wheels provided with resilient tires, Removable. H. Eisner. 2,661,042, Dec. 1.
Antiskid device for vehicles. W. R. Chancellor. 2,631,636, Mar. 17.
Antiskid device, Vehicle. J. H. Kandel. 2,630,155, Mar. 3.
Antiskid or traction device. A. C. Shill. 2,643,697, June 30.
Antiskid tire chain. L. N. Johnson. 2,646,099, July 21.
Antiskid tread surface. H. Eisner. 2,652,876, Sept. 22.
Antislip decking. G. W. Causey. 2,651,978, Sept. 15.
Antislip device. E. C. Forsythe. 2,628,437, Feb. 17.
Antislip ice solvent product and process. G. B. Wagner. 2,626,219, Jan. 20.
Antisnoring device. E. L. Leppich. 2,627,268, Feb. 3.
Antistall device. A. F. Braun. 2,657,037, Oct. 27.
Antistall device. J. R. Emerson. 2,657,038, Oct. 27.
Antistatic textile treating composition of triethanolamine-aliphatic carboxylic acid salts. H. Paul. 2,628,937, Feb. 17.
Antistatic treatment of articles comprising a vinyl resin and treated articles. J. J. Carnes. 2,626,876, Jan. 27.
Antistatic treatment of shaped articles comprising a vinyl resin and treated articles. J. J. Carnes and W. T. Booth, Jr. 2,652,348, Sept. 15.
Antistatic treatment of shaped articles comprising a vinyl resin and treated articles. A. Cresswell. 2,654,678, Oct. 6.
Antistroboscopic arc operation, Means and method of. G. S. Sperti. 2,627,591, Feb. 3.
Antisurge control for refrigeration compressors. A. H. Heineman. 2,661,145, Dec. 1.
Antisweat antifrost attachment. C. W. Stoner. 2,647,374, Aug. 4.
Antisweat flush tank. J. J. Oliverio. 2,664,100, Dec. 29.
Antisyphon valve. S. C. Somers. 2,627,278, Feb. 3.
Antitank mines. J. Dumas. 2,656,792, Oct. 27.
Antitheft device, Vehicle wheel and tire. A. Hudson. 2,647,763, Aug. 4.
Antitheft device for internal-combustion powered vehicles. E. E. Herrell. 2,657,317, Oct. 27.
Antithumb-sucking device. M. F. Newmark. 2,633,126, Mar. 31.
Antivesicant compounds and clothing impregnated therewith. J. W. Williams. 2,649,389, Aug. 18.
Antivibration mounting. F. H. Drake and J. E. Johanson. 2,634,069, Apr. 7.
Antivibration mounting. R. Iredell, Jr. 2,639,115, May 19.
Anvil and stripper for punching and riveting machines. L. L. Marchant. 2,627,766, Feb. 10.
Anvil for attachment to electrode structures of electrical precipitators. W. F. Hull. 2,652,900, Sept. 22.
Anvil, Hand. A. C. Williams. 2,638,803, May 19.
Apertured metal screens, Preparation of. G. K. Teal. 2,662,274, Dec. 15.
Apparatus adapted for heating shoes. E. H. Simms. 2,662,964, Dec. 15.
Apparatus adapted for the removal of leaves and grass and the like. S. A. Shuler, Jr. and C. E. Crofoot. 2,627,155, Feb. 3.
Apparatus adapted for use in washing eaves of railway and other vehicles and embodying one or more rotary power-driven brushes mounted to swing bodily up and down and also to tilt. L. D. Holmes. 2,647,272, Aug. 4.
Apparatus adapted to provide photographic records of wells and the like. C. Laval, Jr. 2,633,783, Apr. 7.
Apparatus adapted to the cutting, shaping, or forming of structural members. R. E. Grove. 2,662,563, Dec. 15.
Apparatus adapted to wash the roofs of railway and like vehicles, and embodying a vertically swinging brush-carrying frame. L. D. Holmes. 2,627,080, Feb. 3.
Apparatus and method for accurately filling con
P. R. Fechheimer. 2,660,350, Nov. 24.
Apparatus and method for adhesively bonding lining to brake shoes. J. C. Heintz, Jr. 2,6
Oct. 20.
Apparatus and method for administering parenter
tions. H. W. Rose. 2,663,298, Dec. 22.
Apparatus and method for attaching handles to b
A. Grant. 2,635,510, Apr. 21.
Apparatus and method for combining yarns. R.
Donald. 2,648,890, Aug. 18.
Apparatus and method for conditioning oil and ga
B. E. Mater. 2,644,532, July 7.
Apparatus and method for controlling combusti
naces for solid organic fuels. W. J. Hatton and
Carlson. 2,653,554, Sept. 29.
Apparatus and method for controlling dynamomete
E. L. Cline. 2,634,830, Apr. 14.
Apparatus and method for drafting fibers. J. C.
Jr. 2,641,025, June 9.
Apparatus and method for evaluation of photogra
solving power. L. E. Clark and D. H. Kelly. 2,6
Jan. 13.
Apparatus and method for filling containers with
termined quantities of gas. P. F. Droste and H.
2,645,907, July 21.
Apparatus and method for forming and mounting
bars on grids. E. F. Nickl. 2,642,648, June 23
Apparatus and method for forming corrugations in
J. B. Friedman. 2,631,645, Mar. 17.
Apparatus and method for forming solid fuels int
or bands. E. Rivoche and M. Barsky. 2,635,28
21.
Apparatus and method for joining glass tubulat
glass bulbs. J. V. Ruggiero. 2,662,345, Dec. 15
Apparatus and method for making a photoconduct
ment. N. C. Anderson. 2,659,682, Nov. 17.
Apparatus and method for measuring magnetic flux
Nedzel. 2,624,783, Jan. 6.
Apparatus and method for mixing food products.
Reich. 2,639,898, May 26.
Apparatus and method for mixing molten glass.
bino. 2,641,454, June 9.
Apparatus and method for molding brushes. A. B.
2,651,810, Sept. 15.
Apparatus and method for preparing melamine.
Gresham. 2,644,820, July 7.
Apparatus and method for probing a radiated wa
W. Wells. 2,633,525, Mar. 31.
Apparatus and method for processing of steel st
tinuously. R. Dunlevy, H. Frick, and J. H. Sho
2,635,062, Apr. 14.
Apparatus and method for producing disk pho
records. I. J. Amo. 2,642,621, June 23.
Apparatus and method for spray drying and
G. D. Arnold. 2,634,808, Apr. 14.
Apparatus and method for surfacing glass she
plates. P. T. Martin. 2,661,581, Dec. 8.
Apparatus and method for testing pipe coating.
Rasor. 2,650,346, Aug. 25.
Apparatus and method for testing the accuracy of sy
W. A. Downes. 2,625,599, Jan. 13.
Apparatus and method for the placement of c
C. A. Trexel. 2,658,353, Nov. 10.
Apparatus and method of ice-cream bar manufactu
M. Johansen. 2,629,346, Feb. 24.
Apparatus and process for baking sheet material.
Lesniak and L. G. Janett. 2,637,120, May 5.
Apparatus and process for coating paper. R. N
heimer and R. C. Hydell. 2,647,842, Aug. 4.
Apparatus and process for countercurrent liquid-f
traction. G. R. Grunewald and F. J. Pierce. 2,6
Aug. 4.
Apparatus and process for countercurrent liqui
extraction. G. R. Grunewald and F. J.
2,647,855, Aug. 4.
Apparatus and process for handling fluidized solids
Matheson. 2,656,242, Oct. 20.
Apparatus and process for making molded fib
plastic pipe threads. H. D. Boggs. 2,629,894,
Apparatus and process for the production of ph
thetic microorganisms, particularly algae. P. M
2,658,310, Nov. 10.
Apparatus and process for treating light-sensitiv
rials with liquid. W. Bornemann. 2,652,759, S
Apparatus and process for vulcanizing strip stock.
Marcy. 2,649,617, Aug. 25.
Apparatus and process of producing calendered l
materials. J. F. Dobry. 2,624,068, Jan. 6.
Apparatus and process of producing decorative fe
ering. F. C. Schueler. 2,631,643, Mar. 17.
Apparatus for a percutaneous treatment. G.
2,655,145, Oct. 13.
Apparatus for abrading bisque ware. O. J.
2,660,835, Dec. 1.
Apparatus for abstracting fluids from and deliverin
to aquifers. J. S. Asketh. 2,635,696, Apr. 21.
Apparatus for accelerating the removal of cuttin
the bottom of wells. J. I. Sloan. 2,634,101, A
Apparatus for advancing and processing strands.
Ewing. 2,659,225, Nov. 17.
Apparatus for advancing and working elastome
pounds. G. E. Henning. 2,653,351, Sept. 29.

Apparatus for advancing and working plastic compounds. H. A. Myers. 2,641,800, June 16.
Apparatus for advancing filamentary articles. P. R. Powell. 2,649,867, Aug. 25.
Apparatus for advancing plate material. F. M. Darner and R. E. Brakeman. 2,627,969, Feb. 10.
Apparatus for aerating flotation pulps and the like. A. C. Daman. 2,628,827, Feb. 17.
Apparatus for aerogravimetric prospecting. C. A. Heiland. 2,626,525, Jan. 27.
Apparatus for affixing fabric to printing tables. W. Geiringer. 2,655,865, Oct. 20.
Apparatus for aid in grading examinations. L. W. Shrode. 2,639,167, May 19.
Apparatus for aiding the landing of aircraft. R. J. Herbold. 2,660,792, Dec. 1.
Apparatus for air volume control in ventilating systems. G. K. Raider and E. J. Little. 2,640,410, June 2.
Apparatus for aligning and sorting sheets of paper, etc., and parts therefor. C. W. Johnson. 2,650,109, Aug. 25.
Apparatus for analyzing gases, Portable. J. J. Ferrainolo. 2,633,411, Mar. 31.
Apparatus for analyzing the particle size distribution of a powder sample. R. E. Payne. 2,628,787, Feb. 17.
Apparatus for analyzing unbalance of rotors. A. C. Hagg and D. V. Wright. 2,636,381, Apr. 28.
Apparatus for and method of combining enwrapments. C. W. Vogt. 2,660,098, Nov. 24.
Apparatus for and method of curling longitudinal edges of strips of deformable strip material. G. J. Philippi. 2,633,893, Apr. 7.
Apparatus for and method of discharging liquid. M. H. Halderson and W. L. Morris. 2,631,673, Mar. 17.
Apparatus for and method of electric welding of films of polyvinyl chloride or like thermoplastic material. K. Niebling. 2,631,222, Mar. 10.
Apparatus for and method of filling capsules. R. Reveno. 2,646,912, July 28.
Apparatus for and method of forming paste mold glassware. G. E. Rowe. 2,645,059, July 14.
Apparatus for and method of handling and washing ampoules and vials in packed-lots. R. N. Price. 2,658,011, Nov. 3.
Apparatus for and method of making adhesive tape. W. M. Scholl. 2,647,065, July 28.
Apparatus for and method of making sand molds mechanically. J. T. Dougherty. 2,636,231, Apr. 28.
Apparatus for and method of painting. G. J. Page and J. Harrison. 2,661,310, Dec. 1.
Apparatus for and method of tube forming. A. and S. Westin. 2,625,635, Jan. 13.
Apparatus for and method of water supply control for dust collectors. R. L. McIlvaine. 2,645,304, July 14.
Apparatus for and methods of aligning webs for lamination. J. L. McCleary and R. E. Lowey, Jr. 2,641,416, June 9.
Apparatus for and methods of drying leather. J. M. Tyndall and M. Maeser. 2,661,543, Dec. 8.
Apparatus for and process of manufacturing enwrapments. C. W. Vogt. 2,626,544, Jan. 27.
Apparatus for and the method of control and utilization of dry ice. J. G. Scott. 2,656,687, Oct. 27.
Apparatus for annealing glassware. D. G. Merrill. 2,660,832, Dec. 1.
Apparatus for applying adhesive to moving sheets. R. F. W. Tranter. 2,641,219, June 9.
Apparatus for applying and settling coatings. J. B. Lindsay. 2,646,769, July 28.
Apparatus for applying caps to containers. J. W. Kerlin. 2,639,075, May 19.
Apparatus for applying cementitious finish. R. Ager. 2,654,935, Oct. 13.
Apparatus for applying cementitious linings to inner wall surfaces of liquid-holding receptacles. M. G. Burwell. 2,641,218, June 9.
Apparatus for applying coating material to pipe. S. L. Richards, Jr. 2,625,905, Jan. 20.
Apparatus for applying getters to lamp filament supports. P. Vargo and T. A. Foster, Jr. 2,636,472, Apr. 28.
Apparatus for applying hot melt adhesive to carton blanks. J. A. Zinn, Jr. 2,659,340, Nov. 17.
Apparatus for applying jackets to books. L. de Florez and G. B. Linderman, Jr. 2,640,207, June 2.
Apparatus for applying paste to wallpaper. O. Bledsoe. 2,658,471, Nov. 10.
Apparatus for applying pressure to shoe bottoms. C. K. Woodman. 2,651,064, Sept. 8.
Apparatus for assembling an elastic tubular rubber insert under radial compression between an outer rigid tube and an inner rigid core. H. G. Beck. 2,660,780, Dec. 1.
Apparatus for assembling composite containers. F. D. Bergstein. 2,625,085, Jan. 13.
Apparatus for assembling receptacle closures and seals. E. A. Wilckens and C. C. Stoll. 2,641,297, June 9.
Apparatus for assembling storage battery elements. A. D. Lund. 2,624,106, Jan. 6.
Apparatus for assembling storage battery elements. W. W. Smith. 2,626,038, Jan. 20.
Apparatus for assembling threaded parts. J. Kludt and H. Parks. 2,627,108, Feb. 3.
Apparatus for assembling tubular binders with loose-leaf books. A. Freundlich. 2,663,883, Dec. 29.
Apparatus for atomizing liquids. K. Michelsen. 2,636,778, Apr. 28.
Apparatus for attaching and spacing fastener elements on supports. O. J. Hueister and A. F. D'Amico. 2,646,185, July 21.
Apparatus for attaching elastic bands to garments. A. J. Caprara and A. C. Kawka. 2,630,773, Mar. 10.
Apparatus for attaching filaments to electrodes in machines for coating with metal vapors. Z. M. Shapiro. 2,637,297–8, May 5.
Apparatus for aurally presenting guidance information. K. D. Swartzel, J. Beneke, and N. J. Waterman. 2,632,881, Mar. 24.
Apparatus for automatic balancing of rotating bodies. G. Darrieus. 2,659,243, Nov. 17.
Apparatus for automatic withdrawing of pulp articles from molds. J. Wagner. 2,663,230, Dec. 22.
Apparatus for automatically centering moving objects. E. T. Lorig. 2,660,429, Nov. 24.
Apparatus for automatically continuously and alternately supplying a flowable commodity to alternately movable cartons carried in parallel lines. C. and D. Ray. 2,628,010, Feb. 10.
Apparatus for automatically controlling the operation of bag sewing machines. K. N. Moore. 2,651,275, Sept. 8.
Apparatus for automatically feeding and stitching slide fastener stringers to garment fly pieces. M. K. and J. E. Rohrlick. 2,655,884, Oct. 20.
Apparatus for automatically making blood sugar screening tests. A. W. Wanzer and F. E. Kalning. 2,653,083, Sept. 22.
Apparatus for automatically proportioning pulp stocks. W. D. Jung and C. E. Saecker. 2,626,627, Jan. 27.
Apparatus for automatically regulating single phase electric furnace electrodes and the like. C. W. Vokac. 2,654,046, Sept. 29.
Apparatus for automatically regulating the flow of fluids. Y. Ponsar. 2,646,060, July 21.
Apparatus for automatically stopping die casting machines in the event of shot failure. L. H. Morin. 2,655,699, Oct. 20.
Apparatus for automatically transferring indicia from one surface to another. A. L. Smith and E. E. Krueger. 2,645,870, July 21.
Apparatus for avoiding hot starts in turbojet engine operation and for igniting fuel in the after-burner. W. O. Thompson. 2,659,199, Nov. 17.
Apparatus for avoiding moisture condensation on toilet flush tanks. R. W. Toye. 2,659,898, Nov. 24.
Apparatus for balloon construction. F. J. La Mere, K. F. Johnson, and O. C. Winzen. 2,635,671, Apr. 21.
Apparatus for bending glass sheets. R. W. Thomson. 2,663,974, Dec. 29.
Apparatus for bending metal rims around containers. H. L. Carpenter. 2,640,524, June 2.
Apparatus for bending sinuous wire strips into springs. J. C. Lincoln. 2,632,482, Mar. 24.
Apparatus for bending tubing. H. C. Jennings, Jr. 2,650,636, Sept. 1.
Apparatus for bending tubing into serpentine form. A. W. Payne. 2,655,193, Oct. 13.
Apparatus for bending tubular lamps. J. F. Ochwat. 2,649,660, Aug. 25.
Apparatus for bleeding air and replacing liquid in hydraulic brake systems. F. P. Lackinger. 2,645,314, July 14.
Apparatus for bonding linings to brake shoes. H. W. Overman and C. G. Wolgamott. 2,653,644, Sept. 29.
Apparatus for bottom closing paperboard containers. R. E. Ohrn. 2,634,566, Apr. 14.
Apparatus for breaking contact resistance in a marker-controlled selector. R. B. Buchner. 2,647,165, July 28.
Apparatus for breaking frangible suture tubes. G. H. Myrick. 2,659,253, Nov. 17.
Apparatus for burning fuel. T. Heilmann. 2,653,810, Sept. 29.
Apparatus for burning fuel in a high velocity gas stream. H. Cohen and J. H. H. Darth. 2,639,581, May 26.
Apparatus for burning waste liquor. J. C. Singleton, Jr. 2,636,813, Apr. 28.
Apparatus for cabling threads. G. W. Bogdanffy, C. O. Mitchell, and H. C. Uhlig. 2,654,210, Oct. 6.
Apparatus for calipering well bores. R. W. Goble. 2,656,613, Oct. 27.
Apparatus for carbureted water gas. N. H. Williams. 2,639,228, May 19.
Apparatus for carrying out spot test analyses. R. E. Stevens, H. W. Lakin, and J. F. Mullins. 2,658,820, Nov. 10.
Apparatus for casting articles. J. Fisher. 2,645,218, July 14.
Apparatus for casting ribbons of gelatin and the like. R. E. Moule. 2,643,416, June 30.
Apparatus for catalytic conversion of hydrocarbons. S. R. Bethea. 2,660,520, Nov. 24.
Apparatus for cementing wells. C. C. Brown and E. L. Potts. 2,647,582, Aug. 4.
Apparatus for cementing wells. G. E. Cannon. 2,635,697, Apr. 21.
Apparatus for centrifugal separation. D. H. Davis. 2,654,535, Oct. 6.
Apparatus for centrifugal separation of suspended particles. O. X. Heinrich. 2,662,610, Dec. 15.

Apparatus for centrifugal separation with the use of an auxiliary liquid. J. A. Aspegren. 2,636,670, Apr. 28.
Apparatus for charging and weighing pulverulent materials into containers. A. H. Baker. 2,634,083, Apr. 7.
Apparatus for charging batteries. L. A. Mediar. 2,644,125, June 30.
Apparatus for charging liquid products and volatile propellants into pressure containers. D. M. McBean. 2,661,885, Dec. 8.
Apparatus for checking recesses in recessed head screws. D. H. Samuelson. 2,632,955, Mar. 31.
Apparatus for circulating water. H. B. Davidson. 2,637,531, May 5.
Apparatus for clamping flexible material on cylinders. F. K. Houston. 2,631,349, Mar. 17.
Apparatus for clamping umbilical cord and the like. M. Garland. 2,635,238, Apr. 21.
Apparatus for clarifying liquids. H. G. Chatain. 2,641,363, June 9.
Apparatus for cleaning a sight glass and the like. E. M. Kelly and S. I. Bousman. 2,648,857, Aug. 18.
Apparatus for cleaning bottles. A. S. Hamilton, Jr. 2,640,212, June 2.
Apparatus for cleaning conveyers. O. Sandberg. 2,632,561, Mar. 24.
Apparatus for cleaning drip pans of moving stairways. H. E. Hansen. 2,634,850, Apr. 14.
Apparatus for cleaning fibrous materials. L. L. Bertram, A. F. Martin, and P. A. Pohlke. 2,632,924, Mar. 31.
Apparatus for cleaning filter screens. A. H. Bahnson, Jr. 2,658,621, Nov. 10.
Apparatus for cleaning grain and destroying the insect life therein. F. S. Smith. 2,635,309, Apr. 21.
Apparatus for cleaning granular material. R. Webster. 2,637,330, May 5.
Apparatus for cleaning hypodermic needles. P. S. Buechel. 2,636,502, Apr. 28.
Apparatus for cleaning hypodermic needles. P. M. and R. R. Casady. 2,655,160, Oct. 13.
Apparatus for cleaning open ended hollow tubular elements. P. M. and R. R. Casady. 2,647,526, Aug. 4.
Apparatus for cleaning out obstructions from conduits. J. V. O'Brien. 2,630,590, Mar. 10.
Apparatus for cleaning tanks and the like. R. C. Grein. 2,647,639, Aug. 4.
Apparatus for cleansing bottles. J. L. Herold. 2,655,929, Oct. 20.
Apparatus for cleansing septic tanks. W. E. Rupp. 2,638,224, May 12.
Apparatus for clearing conduits in dry chemical fire-extinguishing systems. A. Allen. 2,642,944, June 23.
Apparatus for close temperature control of catalyzed gas reactions. A. B. Steeves. 2,638,407, May 12.
Apparatus for closing off the urethra of women. H. Sluijter. 2,649,086, Aug. 18.
Apparatus for coating and dispensing tape. E. Klug. 2,626,588, Jan. 27.
Apparatus for coating and uniting textile cords to form a weftless fabric. E. V. Bitterli and M. Forrer. 2,628,655, Feb. 17.
Apparatus for coating paper. G. D. Muggleton. 2,645,201, July 14.
Apparatus for coating tablets, pills, or other small objects. A. J. D'Angelo. 2,652,805, Sept. 22.
Apparatus for coating tubular fabric and like narrow materials. H. J. Shive. 2,647,488, Aug. 4.
Apparatus for cold dry cleaning. D. McDonald. 2,656,696, Oct. 27.
Apparatus for cold reducing metal bars. G. L. Fisk. 2,642,280, June 16.
Apparatus for cold rolling female threads. L. E. Trishman. 2,625,065, Jan. 13.
Apparatus for cold welding of metal. A. B. Sowter. 2,639,634, May 26.
Apparatus for collating punched cards. C. H. Stuivenberg. 2,648,222, Aug. 11.
Apparatus for collecting and discharging metal powders. H. A. Golwynne. 2,639,006, May 19.
Apparatus for collecting and preserving blood. C. A. Ellis. 2,647,514, Aug. 4.
Apparatus for collecting dust. R. L. McIlvaine and J. L. Yates. 2,649,924, Aug. 25.
Apparatus for compacting explosive and propellent material. J. W. Perry, W. R. Johnson, and J. H. Frazer. 2,630,041, Mar. 3.
Apparatus for comparative indication of the moisture contents in two gaseous mediums. C. Allander. 2,637,199, May 5.
Apparatus for comparing statistical record cards. A. Thomas and F. S. Rhodes. 2,643,056, June 23.
Apparatus for composting animal manure. W. L. Morrison. 2,660,809, Dec. 1.
Apparatus for computing correlation functions. Y. W Lee, J. B. Wiesner, and T. P. Cheatham, Jr. 2,643,819, June 30.
Apparatus for concentrating a solution and separating crystals therefrom. A. W. Eckstrom. 2,631,926, Mar. 17.
Apparatus for conditioning air. H. G. Tignor. 2,629,587, Feb. 24.
Apparatus for conducting catalytic endothermic and exothermic reactions. L. S. Kassel. 2,626,204, Jan. 20.
Apparatus for conducting conversion operations. J. S. Palmer. 2,631,089, Mar. 10.
Apparatus for conducting histochemical reactions. M. J. Wolf and A. F. Fitton. 2,637,632, May 5.
Apparatus for congelation of ground. J. P. Daxelhofer. 2,645,093, July 14.
Apparatus for connecting circuit elements. G. Peterson. 2,647,990, Aug. 4.
Apparatus for connecting metal coating rolls with a driving mechanism. M. E. Bills. 2,660,979, Dec. 1.
Apparatus for connecting portable telephones to lines in the field. R. G. Graham and O. F. Tallman. 2,648,052, Aug. 4.
Apparatus for constructing posts in the ground. J. Capblanch. 2,660,862, Dec. 1.
Apparatus for constructing sea walls. E. H. Latham, Jr. 2,663,064, Dec. 22.
Apparatus for contacting solids with fluids. M. R. Fenske and T. M. Reed, III. 2,635,949, Apr. 21.
Apparatus for continuous cinematographic projection. V. Serra. 2,660,088, Nov. 24.
Apparatus for continuous drying of hops. V. A. Bloxham. 2,634,117, Apr. 7.
Apparatus for continuous frothing of rubber latex. C. S. McChesney. 2,649,287, Aug. 18.
Apparatus for continuous gauging. M. A. Crosby. 2,640,274, June 2.
Apparatus for continuous recovery of magnesium. F. J. Hansgirg. 2,634,969, Apr. 14.
Apparatus for continuously enameling thin sheet metal. R. G. Calton. 2,631,561, Mar. 17.
Apparatus for continuously filtering solids from gases. K. Kautz. 2,661,811, Dec. 8.
Apparatus for continuously gauging and classifying sheet material for flatness. D. E. Feick and R. E. Howell. 2,636,603, Apr. 28.
Apparatus for continuously separating solids in or from liquid suspensions thereof. F. J. Fontein. 2,649,963, Aug. 25.
Apparatus for continuously treating lengthy cellulose material. J. Dungler. 2,641,850, June 16.
Apparatus for continuously weighing aggregate. R. M. Carrier, Jr., and M. G. Whitley. 2,630,312, Mar. 3.
Apparatus for controlling a process. R. E. Clarridge. 2,638,919, May 19.
Apparatus for controlling a web of sheet material. V. H. Hasselquist. 2,643,116, June 23.
Apparatus for controlling bird nuisance. J. H. Just. 2,647,228, July 28.
Apparatus for controlling flame propagation in internal-combustion engines. B. C. Fisher. 2,646,782, July 28.
Apparatus for controlling highway crossing signals. W. H. Claus. 2,647,988, Aug. 4.
Apparatus for controlling highway crossing signals. J. E. McMahon, Jr. 2,628,306, Feb. 10.
Apparatus for controlling highway crossing signals. K. L. Muse. 2,664,499, Dec. 29.
Apparatus for controlling hoists and the like. E. C. Rice and G. M. Rothenberger. 2,653,291, Sept. 22.
Apparatus for controlling humidity. A. G. Elegar. 2,624,420, Jan. 6.
Apparatus for controlling humidity conditions in bulk materials. C. E. Ohlheiser. 2,655,734, Oct. 20.
Apparatus for controlling internal temperatures of foods while cooking same. R. B. Basham. 2,635,137, Apr. 14.
Apparatus for controlling proportions of materials. W. E. Saxe. 2,631,827, Mar. 17.
Apparatus for controlling refrigerating systems. E. F. Dickieson, Jr. 2,626,507, Jan. 27.
Apparatus for controlling slip of vehicle wheels. W. F. Poore. 2,627,432, Feb. 3.
Apparatus for controlling the course of a lateral bore deviating from a vertical well bore. J. A. Zublin. 2,664,270, Dec. 29.
Apparatus for controlling the flow of gases. W. B. Innes. 2,654,387, Oct. 6.
Apparatus for controlling the injection of liquid fuel to internal combustion engines. E. W. Downing. 2,655,907, Oct. 20.
Apparatus for controlling the movement and stopping of a band of material. A. M. Haley. 2,659,779, Nov. 17.
Apparatus for controlling the operation of domestic water systems. A. P. Brush. 2,651,259, Sept. 8.
Apparatus for controlling the plasticity of extrudable materials in an extruding apparatus. G. S. Brown. 2,626,427, Jan. 27.
Apparatus for controlling the power supply of machines. W. B. Stamford. 2,633,511, Mar. 31.
Apparatus for controlling the pressure in liquid containers. J. E. Golob. 2,639,726, May 26.
Apparatus for controlling the supply of liquid fuel to the combustion chambers of prime movers. O. N. Lawrence, T. A. Harris, and W. Fleming. 2,649,686, Aug. 25.
Apparatus for controlling vibratory members. R. E. Hall. 2,630,873, Mar. 10.
Apparatus for converting direct current into alternating current. J. E. Taylor. 2,659,043, Nov. 10.
Apparatus for converting electrical frequency variations into amplitude variations. C. L. Cuccia. 2,638,539, May 12.
Apparatus for converting frozen beverages from a hard state into a liquid state. F. W. Moffett, Jr. 2,662,489, Dec. 15.

Apparatus for converting hard ice cream or frozen confections to a product of softer consistency. W. S. Fredenhagen and M. S. Schmidt. 2,628,082, Feb. 10.
Apparatus for converting tow to top. R. H. de Lacotte and E. Teissier. 2,635,295, Apr. 21.
Apparatus for conveying and stacking box blanks. J. E. Wilske, F. A. McCormick, and V. G. Politsch. 2,660,432, Nov. 24.
Apparatus for conveying dust, fly ash, and the like. J. H. Hampton. 2,647,020, July 28.
Apparatus for conveying magnetizable sheets. C. H. Watson. 2,660,318, Nov. 24.
Apparatus for cooling and dehumidifying air. J. F. Baker. 2,663,156, Dec. 22.
Apparatus for cooling and dehydrating hot pulpy solids. D. B. Vincent. 2,638,687, May 19.
Apparatus for cooling and humidifying air. R. R. Baner. 2,653,803, Sept. 29.
Apparatus for cooling combustion chambers of movable power plants with an oxidizing agent. M. Bouffart. 2,641,904, June 16.
Apparatus for coordinating operating wave length and slit size in spectrophotometers. R. W. Foreman and M. M. Fink. 2,660,086, Nov. 24.
Apparatus for counting microscopic particles. H. S. Wolff, M. G. Story, and D. J. Behrens. 2,661,902, Dec. 8.
Apparatus for crimping helical springs in innerspring construction. J. Gauci and A. J. Quinn. 2,625,636, Jan. 13.
Apparatus for crystallizing chemical salts. E. W. Douglass. 2,643,941, June 30.
Apparatus for cultivating cotton and controlling noxious weeds. G. L. White. 2,663,973, Dec. 29.
Apparatus for cutting and impressing substances. C. and H. H. Doering and B. J. Skoglund. 2,643,495, June 30.
Apparatus for cutting and mounting frames of adhesive-coated material on cards. R. Connor and H. E. Hooe. 2,647,578, Aug. 4.
Apparatus for cutting and stacking sheets. A. F. Sperling and W. E. Schroeder. 2,641,974, June 16.
Apparatus for cutting artificial filaments into short lengths. R. H. Speakman. 2,664,160, Dec. 29.
Apparatus for cutting circumferential grooves. T. E. Piazze. 2,630,732, Mar. 10.
Apparatus for cutting gears and the like. W. E. Pace. 2,642,780, June 23.
Apparatus for cutting lengths from a web of paper, cardboard or similar material. R. N. Piper. 2,640,539, June 2.
Apparatus for cutting materials. C. M. Hannum. 2,651,889, Sept. 15.
Apparatus for cutting metals. R. S. Hahn. 2,651,223, Sept. 8.
Apparatus for cutting of rinsing pipes. M. Ringler. 2,660,240, Nov. 24.
Apparatus for cutting sheet material. W. S. Miles. 2,643,720, June 30.
Apparatus for cutting thin sections. P. G. Roofe and F. E. Hoecker. 2,647,439, Aug. 4.
Apparatus for cutting threads. C. B. Keys. 2,641,287, June 9.
Apparatus for cutting tubing. R. I. Hahn and B. E. Frank. 2,648,384, Aug. 11.
Apparatus for cutting wire and butt welding the same to an element. A. F. Pityo. 2,644,069, June 30.
Apparatus for defibering fibrous material. T. W. Lepkowski. 2,635,298, Apr. 21.
Apparatus for defibrating waste paper. K. A. Skardal and O. B. Börjeson. 2,655,840, Oct. 20.
Apparatus for defrosting low-temperature cooling coils. E. Kohlstedt. 2,649,695, Aug. 25.
Apparatus for deinking and defibering wastepaper. C. S. Reid. 2,649,371, Aug. 18.
Apparatus for delivering and applying adhesive tape or the like. G. K. Charles. 2,630,933, Mar. 10.
Apparatus for delivering liquids to receptacles. J. G. Nilsson. 2,650,013, Aug. 25.
Apparatus for delivering welded wire fabric. W. S. Southwick. 2,646,277, July 21.
Apparatus for densifying dry powdered solids. W. M. Davis. 2,633,074, Mar. 31.
Apparatus for depositing marshmallow, dough, batters, and the like. E. T. Oakes. 2,664,035, Dec. 29.
Apparatus for detaching and removing a sheet from an upwardly traveling ribbon of glass. G. T. Pye and H. G. Jones. 2,628,453, Feb. 17.
Apparatus for detecting and recording measurements of seismic, gravitational, and other forces. N. J. and R. I. Smith. 2,648,055, Aug. 4.
Apparatus for detecting checks in the rim or finish portions of glass containers. T. C. Baker. 2,643,767, June 30.
Apparatus for detecting cobbles in sheet handling equipment. D. E. Feick. 2,655,249, Oct. 13.
Apparatus for detecting discontinuities in wire. J. A. Cranford. 2,643,285, June 23.
Apparatus for detecting flaws in metals. R. H. Winchester. 2,659,858, Nov. 17.
Apparatus for detecting irregularities in web and strand material. V. T. Fabringer. 2,636,951, Apr. 28.
Apparatus for detecting leaks in vacuum systems. J. Blears and J. H. Leck. 2,652,716, Sept. 22.
Apparatus for detecting recurrent circuit operation. A. E. Dodd. 2,659,880, Nov. 17.
Apparatus for detecting seepage of water into wells. H. J. Wagner. 2,625,039, Jan. 13.
Apparatus for detecting suspended matter in fluids. C. E. Martine. 2,626,361, Jan. 20.
Apparatus for detecting suspended matter in fluids. A. W. Uhl. 2,660,052, Nov. 24.
Apparatus for detecting the occurrence or approach of icing conditions. J. Kinsella. 2,656,525, Oct. 20.
Apparatus for detecting the presence of foreign bodies on the bottoms of transparent vessels. N. P. Stoate and G. E. Shepheard. 2,636,602, Apr. 28.
Apparatus for determination of the temperature of deposition of electrically nonconducting solids from gases. T. J. Webster. 2,660,882, Dec. 1.
Apparatus for determining boiling points. F. L. Shands. 2,639,609, May 26.
Apparatus for determining carbon and sulfur. C. B. Francis. 2,639,980, May 26.
Apparatus for determining coating thickness. K. G. Carroll and D. S. Miller. 2,642,537, June 16.
Apparatus for determining consistency of materials. J. S. Wilson. 2,638,779, May 19.
Apparatus for determining external pressure and elevations. A. Ovtschinnikoff. 2,646,682, July 28.
Apparatus for determining fluid flow in wells. C. R. Dale. 2,649,711, Aug. 25.
Apparatus for determining impedance characteristics of transmission lines. J. O. Bennett. 2,639,317, May 19.
Apparatus for determining liquid levels. R. R. Johnson. 2,628,500, Feb. 17.
Apparatus for determining magnetic properties of well cores. W. M. Schaufelberger, H. N. Herrick, and J. R. Leggett. 2,652,531, Sept. 15.
Apparatus for determining permeability. L. M. Oberlin. 2,632,324, Mar. 24.
Apparatus for determining pressure in containers. J. Mills. 2,648,977, Aug. 18.
Apparatus for determining properties of resins. A. L. Simison. 2,653,473, Sept. 29.
Apparatus for determining the consistency of concrete mix. G. W. Cronk. 2,643,542, June 30.
Apparatus for determining the orientation of underground strata from core samples. J. A. Marchand and J. Pintis. 2,634,317, Apr. 7.
Apparatus for determining time intervals. S. Napolin. 2,626,313, Jan. 20.
Apparatus for determining weight of material on conveyers. W. H. Frazel. 2,664,286, Dec. 29.
Apparatus for determining well pipe perforations. J. J. Santiago. 2,653,474, Sept. 29.
Apparatus for determining well pressures. J. H. Ramser. 2,637,998, May 12.
Apparatus for dicing decored cylinders of pineapple. R. M. Botley and G. Guigas. 2,652,871, Sept. 22.
Apparatus for dielectric adhesive bonding of shoe parts. C. Jubola. 2,644,966, July 14.
Apparatus for dielectric fabrication. E. R. Frederick and P. R. Malmberg. 2,638,963, May 19.
Apparatus for dielectric heating. M. P. Vore and R. E. Kirby. 2,640,141, May 26.
Apparatus for dielectrically heating irregularly shaped objects under pressure. E. M. Wharff, Jr. 2,626,344, Jan. 20.
Apparatus for directing air to combustion products turbines. G. K. W. Boestad and E. O. Eriksson. 2,654,220, Oct. 6.
Apparatus for discharging ash from gas producers. K. Schlepper. 2,626,210, Jan. 20.
Apparatus for discharging compact matter from shaft furnaces. O. Hubmann. 2,632,697, Mar. 24.
Apparatus for discharging pins from the pits of bowling alleys. S. A. Frye. 2,625,397, Jan. 13.
Apparatus for discharging solid material. H. V. Trask and K. M. Haley. 2,655,365, Oct. 13.
Apparatus for dispensing carbonated beverages. P. Kollsman. 2,643,791, June 30.
Apparatus for dispensing carbonated beverages. P. Kollsman. 2,643,866, June 30.
Apparatus for dispensing carbonated beverages. L. E. Mendonca. 2,657,952, Nov. 3.
Apparatus for dispensing cloth towels. H. E. Dosberg. 2,653,693, Sept. 29.
Apparatus for dispensing fluid. A. F. Barbaro. 2,655,286, Oct. 13.
Apparatus for dispensing ice cream. W. S. Fredenhagen and M. S. Schmidt. 2,630,083, Mar. 3.
Apparatus for dispensing liquids. J. Fraser. 2,661,135, Dec. 1.
Apparatus for dispensing measured volumes of liquid. J. G. Gullas. 2,646,068, July 21.
Apparatus for dispensing slats. D. G. Kingsley. 2,662,647, Dec. 15.
Apparatus for dispensing small articles over a restricted area. J. J. Keleher. 2,641,476, June 9.
Apparatus for displaying garments. M. Weiser. 2,654,512, Oct. 6.
Apparatus for displaying signs. L. J. Helms, E. R. Easter, and E. E. Reinig. 2,652,650, Sept. 22.
Apparatus for displaying variable information in offices and elsewhere R. A. E. Guichard. 2,647,327, Aug. 4.

Apparatus for distributing fertilizer or the like. A. W. Gustafson. 2,643,796, June 30.
Apparatus for drawing a central perspective representation. H. Stiebing. 2,651,111, Sept. 8.
Apparatus for drawing a wire tie through and around annular articles and twisting the ends together. S. C. Fons and J. Kramer. 2,655,097, Oct. 13.
Apparatus for drawing vitreous tubes and rods. B. Shaw. 2,653,418, Sept. 29.
Apparatus for dressing gear teeth grinding wheels. C. S. Davis, Jr. and J. E. Rice, Jr. 2,646,030, July 21.
Apparatus for drilling curved bores deviating from existing vertical well bores. J. A. Zublin. 2,631,820, Mar. 17.
Apparatus for drilling curved lateral bores deviating from an existing well bore. J. A. Zublin. 2,634,097, Apr. 7.
Apparatus for drilling deep wells. A. Arutunoff. 2,643,095, June 23.
Apparatus for drilling deep wells. A. Arutunoff. 2,662,735, Dec. 15.
Apparatus for drilling wells. D. A. McGee, O. Danielson, and T. Seale. 2,653,796, Sept. 29.
Apparatus for driving rotatable workpieces. R. A. Ashton. 2,624,224, Jan. 6.
Apparatus for dry filling concrete piles. R. Viera, L. Ignacio, and L. A. J. M. Fravega. 2,656,684, Oct. 27.
Apparatus for dry spinning artificial fibers. G. Curtis. 2,648,095, Aug. 11.
Apparatus for drying cloth. L. A. Runton and R. E. Derby. 2,629,940, Mar. 3.
Apparatus for drying excavations. J. T. Culleton. 2,654,434, Oct. 6.
Apparatus for drying filmlike materials. C. N. Edwards. 2,645,031, July 14.
Apparatus for drying gases. E. J. Gribler and H. A. Lorenz. 2,625,237, Jan. 13.
Apparatus for drying granular material. O. C. Wilson. 2,641,848, June 16.
Apparatus for drying hops. V. A. Bloxham. 2,630,311, Mar. 3.
Apparatus for drying photographic prints. R. Sardeson and G. M. Dye. 2,639,517, May 26.
Apparatus for drying yarn and the like. E. A. Wentz. 2,641,062, June 9.
Apparatus for dust prevention. K. J. Bores. 2,648,241, Aug. 11.
Apparatus for dyeing. H. H. Belcher. 2,641,121, June 9.
Apparatus for dynamic determination of reduction in area of specimens during mechanical tests. C. H. Hastings and S. W. Carter. 2,645,151, July 14.
Apparatus for earth compaction. O. J. Porter. 2,624,251, Jan. 6.
Apparatus for economizing fuel and increasing power output of internal-combustion engines. E. N. Bosdet. 2,659,667, Nov. 17.
Apparatus for effecting disintegration of materials. K. Wandel. 2,641,165, June 9.
Apparatus for effecting gas-liquid mixing. A. J. de Rosset. 2,639,129, May 19.
Apparatus for effecting indication and signal controls by transient direct current. P. N. Martin. 2,639,370, May 19.
Apparatus for effecting pin point lamination of plastic liners to carton board. H. Gottesman. 2,646,835, July 28.
Apparatus for electric arc stud welding. A. R. Ainsworth and J. B. Miller. 2,640,133, May 26.
Apparatus for electrical measurement of thickness using current ratios. N. G. Branson. 2,659,862, Nov. 17.
Apparatus for electrical precipitation. J. H. Roper. 2,625,238, Jan. 13.
Apparatus for electrical thickness measurement. N. G. Branson. 2,659,861, Nov. 17.
Apparatus for electrical well logging. F. L. McMillan, Jr. 2,653,294, Sept. 22.
Apparatus for electrically logging boreholes. J. P. Woods. 2,626,979, Jan. 27.
Apparatus for electrolysis of alkali metal compounds. W. C. Gardiner. 2,627,501, Feb. 3.
Apparatus for electrolytic analysis. R. W. Notvest. 2,643,223, June 23.
Apparatus for electromagnetic separation of wet ores. A. L. J. Queneau. 2,664,200, Dec. 29.
Apparatus for electronic spectrometric analysis of back-reflection diffraction. J. N. Good. 2,648,011, Aug. 4.
Apparatus for elevating granular material. R. Kollgaard. 2,625,442, Jan. 13.
Apparatus for elevating granular material. H. A. Shabaker. 2,662,796, Dec. 15.
Apparatus for embossing graining of wood. C. H. Hennell. 2,635,653, Apr. 21.
Apparatus for equalizing distribution in packed columns. P. N. Heere. 2,639,130, May 19.
Apparatus for evaporating liquids. J. J. McAndrews. 2,663,683, Dec. 22.
Apparatus for evaporation. P. B. Sadtler. 2,651,356, Sept. 8.
Apparatus for eviscerating shrimp. A. J. Avetta and T. Scardamalia. 2,625,705, Jan. 20.
Apparatus for exhibiting diverse articles. E. J. Marchand. 2,636,613, Apr. 28.
Apparatus for extinguishing fires. E. C. Williams. 2,645,292, July 14.
Apparatus for extracting juice from citrus fruits. R. D. Wehr. 2,652,769, Sept. 22.
Apparatus for extracting oil vapors from crankcases for use as fuel. J. E. McKeever. 2,646,784, July 28.
Apparatus for extruding pellets. A. McDonald and J. R. Strobel. 2,641,799, June 16.
Apparatus for extruding plastic material. G. E. Berggren. 2,656,566, Oct. 27.
Apparatus for fabricating strands, cords, tubes, and the like. G. Slayter and E. Fletcher. 2,664,138, Dec. 29.
Apparatus for feeding a plurality of selectively oriented elongated articles. C. S. Kasper. 2,657,404, Nov. 3.
Apparatus for feeding and orienting pears. B. C. Coons. 2,632,552, Mar. 24.
Apparatus for feeding auxiliary liquids to internal-combustion engines. C. B. Pierce. 2,652,818, Sept. 22.
Apparatus for feeding cleats to boxmaking machines. D. G. Kingsley. 2,658,631, Nov. 10.
Apparatus for feeding cutting tools. H. K. Baker. Re. 23,642, Apr. 14.
Apparatus for feeding cylindrical workpieces into centerless-grinding machines. E. Wetterborg. 2,655,773, Oct. 20.
Apparatus for feeding fibrous material. P. S. Farley. 2,650,002, Aug. 25.
Apparatus for feeding lengths of drill pipe in succession to the drill pipe elevator of drill rigs. S. J. Tucker. 2,656,052, Oct. 20.
Apparatus for feeding or sorting small flexible articles. D. P. Reynolds. 2,633,254, Mar. 31.
Apparatus for feeding rodlike articles. N. W. Jackson. 2,652,138, Sept. 15.
Apparatus for feeding sheet materials. J. W. Young. 2,637,551, May 5.
Apparatus for feeding tobacco. A. V. Williams. 2,634,171, Apr. 7.
Apparatus for feeding webs. C. D. Knowlton. 2,638,037, May 12.
Apparatus for feeding webs of paper. W. E. Johnson and H. J. Hillen. 2,630,901, Mar. 10.
Apparatus for fiber collection. H. Steele. 2,641,028, June 9.
Apparatus for filling and compacting material in bags and having a retractable bag bottom abutment member. H. V. Kindseth. 2,654,518, Oct. 6.
Apparatus for filling and emptying containers. N. A. Siegal. 2,625,311, Jan. 13.
Apparatus for filling bags. C. W. Spohr. 2,645,396, July 14.
Apparatus for filling cans. R. Polk, Sr., and R. Polk, Jr. 2,634,893, Apr. 14.
Apparatus for filling containers. C. F. Carter and J. A. Reynolds. 2,630,954, Mar. 10.
Apparatus for filling containers with moist granular material. C. E. Kerr. 2,639,076, May 19.
Apparatus for filling valve bags and control means therefor. C. H. Hartman, W. R. Peterson, and D. D. Griswold. 2,624,539, Jan. 6.
Apparatus for filtering air. R. S. Farr. 2,633,929, Apr. 7.
Apparatus for finishing gears. C. J. Aldino and J. J. Ryan. 2,658,259, Nov. 10.
Apparatus for finishing hardened surfaces on frames for power saws. R. S. Carroll. 2,648,173, Aug. 11.
Apparatus for finishing hosiery. S. Bailey, Jr. 2,641,120, June 9.
Apparatus for finishing wood. L. H. Jones. 2,649,755, Aug. 25.
Apparatus for finishing wood flooring units. J. E. Kitterman. 2,651,289, Sept. 8.
Apparatus for fishing through ice. A. P. Brundage. 2,657,494, Nov. 3.
Apparatus for fishing through ice. E. C. Freeman. 2,649,801, Aug. 25.
Apparatus for fitting clothes. F. A. Purdy. 2,631,374, Mar. 17.
Apparatus for floating and finishing soft concrete. C. Bird. 2,624,250, Jan. 6.
Apparatus for flowing gases through beds of fluent granular solids. J. W. Barker. 2,625,467, Jan. 13.
Apparatus for fluffing slag. T. H. Kennedy. 2,661,575, Dec. 8.
Apparatus for fluid treatment of filamentary materials. P. L. Pendleton. 2,624,189, Jan. 6.
Apparatus for fluid treatment of strand material. P. L. Pendleton. 2,657,565, Nov. 3.
Apparatus for fluid treatment of yarn packages and the like. E. A. Stienen. 2,637,993, May 12.
Apparatus for fluidizing and pressurizing fire-extinguishing dry chemicals. A. Allen. 2,651,374, Sept. 8.
Apparatus for fluidizing fire-extinguishing dry chemicals. A. B. Guise and H. P. Sunstrom. 2,651,373, Sept. 8.
Apparatus for folding cloth flatwork. J. Hendrix. 2,646,982, July 28.
Apparatus for folding fabrics. S. Cohn and J. G. Walter. 2,653,812, Sept. 29.
Apparatus for folding wrappers. R. M. Dunning. 2,660,099, Nov. 24.
Apparatus for forming a ribbon of glass. C. A. English. 2,643,486, June 30.
Apparatus for forming and assembling egg cartons. J. Gilchrist. 2,642,786, June 23.
Apparatus for forming and assembling electrical terminals. L. P. Locke. 2,659,406, Nov. 17.

Apparatus for forming and projecting a foam mixture. C. R. Foutz. 2,630,183, Mar. 3.
Apparatus for forming articles. C. Herzog. 2,663,120, Dec. 22.
Apparatus for forming articles of comminuted metal. C. C. Kinker. 2,635,490, Apr. 21.
Apparatus for forming blower wheels. C. E. Wilken and L. L. McGladrey. 2,651,830, Sept. 15.
Apparatus for forming blower wheels. C. E. Wilken and L. L. McGladrey. 2,651,837, Sept. 15.
Apparatus for forming cement sheets. A. Magnani. 2,635,508, Apr. 21.
Apparatus for forming electrical strain gauges. W. M. Borer. 2,629,409, Feb. 24.
Apparatus for forming fiber mats, including deckle boxes with white water return. R. Chapman. 2,660,935, Dec. 1.
Apparatus for forming flat glass. J. L. Drake. 2,631,410, Mar. 17.
Apparatus for forming glass fiber mats. G. Slayter. 2,653,416, Sept. 29.
Apparatus for forming glass fibers. R. G. Russell. 2,634,553, Apr. 14.
Apparatus for forming glassware. C. F. Claughsey. 2,637,944, May 12.
Apparatus for forming granular congealed fuel. E. Rivoche and M. Barsky. 2,629,896, Mar. 3.
Apparatus for forming metal articles. H. R. Cheek. 2,639,757, May 26.
Apparatus for forming paper crackers. E. Harrison. 2,631,417, Mar. 17.
Apparatus for forming parts from brittle metal strip. G. R. Machlan, L. R. McClary, and A. J. Prickett. 2,648,759, Aug. 11.
Apparatus for forming pellets of plastic material. R. P. Piperoux. 2,653,350, Sept. 29.
Apparatus for forming plastic strips. R. C. Rahm. 2,627,085, Feb. 3.
Apparatus for forming rims. H. A. Palmer. 2,649,886, Aug. 25.
Apparatus for forming rods, bolts, or the like. C. W. Hopkins. 2,632,345, Mar. 24.
Apparatus for forming sealed lap seams. J. Herman. 2,625,126, Jan. 13.
Apparatus for forming settled coatings. J. K. Burton. 2,646,773, July 28.
Apparatus for forming shaped objects from plastic material. J. J. Wilson. 2,655,877, Oct. 20.
Apparatus for forming shoe shanks. W. J. Reicheneder, G. W. Miller, and W. M. Wolf. 2,635,264, Apr. 21.
Apparatus for forming, stuffing, and shaping casings. W. Wade. 2,638,624, May 19.
Apparatus for forming tubes. J. W. Miller and A. J. Barrie. 2,644,416, July 7.
Apparatus for forming wire coils. S. A. Platt. 2,653,630, Sept. 29.
Apparatus for fractional sublimation. A. F. Reid. 2,628,892, Feb. 17.
Apparatus for fractionating multicomponent streams. C. G. Gerhold. 2,646,392, July 21.
Apparatus for fracturing blocks of green frangible material. E. Garnich. 2,627,640, Feb. 10.
Apparatus for free pivoting transfer rollers. F. Casabona. 2,624,444, Jan. 6.
Apparatus for frequency division. J. C. Williams. 2,660,668, Nov. 24.
Apparatus for fuel injection. F. J. Simon. 2,635,590, Apr. 21.
Apparatus for gaseous reduction of iron ore. E. Ramsay and R. T. Bagby. 2,648,535, Aug. 11.
Apparatus for generating gears. G. E. Millhuff. 2,649,716, Aug. 25.
Apparatus for generating heat. H. L. Erickson. 2,634,804, Apr. 14.
Apparatus for generating large mechanical vibrations. E. W. Smith. 2,642,545, June 16.
Apparatus for generating time position dial pulses. N. D. Newby and H. E. Vaughan. 2,648,836, Aug. 11.
Apparatus for glow testing sealed envelopes. J. S. Sweet. 2,633,486, Mar. 31.
Apparatus for grading fruit according to size. A. W. Jansen. 2,656,922, Oct. 27.
Apparatus for grinding disks. J. F. Ferm. 2,651,149, Sept. 8.
Apparatus for grinding noncylindrical surfaces. E. R. Dunn and D. F. Price. 2,654,189, Oct. 6.
Apparatus for grinding the needles of die drilling machines. E. J. Bartell. 2,655,768, Oct. 20.
Apparatus for grinding the worn ends of valve tappets and the like. H. R. Billeter. 2,645,068, July 14.
Apparatus for growing tender plants. A. G. McKee. 2,639,550, May 26.
Apparatus for hair dyeing. F. Kaul. 2,660,182, Nov. 24.
Apparatus for handling and photographically copying documents. J. F. Egan and G. S. Jones. 2,632,643, Mar. 24.
Apparatus for handling and separating casting drum and casting. H. J. Snelson. 2,655,700, Oct. 20.
Apparatus for handling and storing lumber. R. Z. Drake. 2,635,729, Apr. 21.
Apparatus for handling and surface-hardening articles. R. J. Peters, J. R. Guenther, and J. W. Pollard. 2,634,121, Apr. 7.
Apparatus for handling cartons. C. E. Kerr and R. Elsheimer. 2,649,676, Aug. 25.
Apparatus for handling coils of strand material. V. A. Rayburn. 2,628,040, Feb. 10.
Apparatus for handling corrugated paperboard. C. W. Apgar. 2,657,044, Oct. 27.
Apparatus for handling drill pipes. S. J. Tucker. 2,631,741, Mar. 17.
Apparatus for handling finely divided solid materials. D. R. Hogin. 2,663,465, Dec. 22.
Apparatus for handling fluid in a well. A. L. Armentrout. 2,631,670, Mar. 17.
Apparatus for handling fluids. E. W. Hertenstein, Jr. 2,642,675, June 23.
Apparatus for handling glassware. G. E. Rowe. 2,643,780, June 30.
Apparatus for handling granular material. R. G. Fernald. 2,658,603, Nov. 10.
Apparatus for handling granular material. R. T. Savage. 2,663,593, Dec. 22.
Apparatus for handling magnetic material. K. H. Casson. 2,642,994, June 23.
Apparatus for handling materials. R. R. Barber. 2,626,093, Jan. 20.
Apparatus for handling metal sheets. J. L. Freholm. 2,662,630, Dec. 15.
Apparatus for handling of foods. S. F. Reed. 2,625,242, Jan. 13.
Apparatus for handling sludge. C. S. Harper and F. N. Moerk. 2,644,790, July 7.
Apparatus for handling tubular textile fabric. S. Cohn, J. G. Walter, and E. Cohn. 2,634,488, Apr. 14.
Apparatus for handling veneer. C. E. Parker. 2,649,182, Aug. 18.
Apparatus for harvesting crops. J., A., Jr., and F. Duda. 2,647,525, Aug. 4.
Apparatus for heat sealing and severing thermoplastic materials. H. Rumsey, Jr. 2,635,672, Apr. 21.
Apparatus for heat treatment of fluent substances. F. O. Hess. 2,638,879, May 19.
Apparatus for heat treatment of sewage sludge and method adapted to be carried out therein. W. S. Martin. 2,655,883, Oct. 20.
Apparatus for heating and/or cooling canned food or other substances. D. W. Bingham. 2,642,795, June 23.
Apparatus for heating comminuted molding material. C. A. Nichols, M. E. Todd, W. A. Fletcher, and C. J. Keller. 2,637,070, May 5.
Apparatus for heating fine-grained material, particularly cement raw material. F. Müller. 2,663,561, Dec. 22.
Apparatus for heating fluids, particularly foodstuffs. A. H. Brown, P. W. Kilpatrick, and M. E. Lazar. 2,636,430, Apr. 28.
Apparatus for heating gases. E. L. Jones. 2,631,835, Mar. 17.
Apparatus for heating hydrogen peroxide. J. G. Tschinkel. 2,627,454, Feb. 3.
Apparatus for heating oil wells. C. A. Carpenter and R. S. Crog. 2,647,196, July 28.
Apparatus for high-frequency dielectric progressive bonding. G. T. Hart. 2,631,223, Mar. 10.
Apparatus for high-speed snow removal without windrowing. J. R. Shannon. 2,651,121, Sept. 8.
Apparatus for holding and positioning a combined mask and screen. W. C. Huebner. 2,653,510, Sept. 29.
Apparatus for holding books. J. H. Esak. 2,653,378, Sept. 29.
Apparatus for holding collapsible tubes on supporting spindles. F. Remington and R. A. Tartaglia. 2,634,868, Apr. 14.
Apparatus for holding poultry during slaughtering. P. W. Brown. 2,624,911, Jan. 13.
Apparatus for hydrocarbon conversion. J. A. Crowley, Jr. 2,626,857, Jan. 27.
Apparatus for hydrocarbon determination. R. L. Doan. 2,663,379, Dec. 22.
Apparatus for igniting fuel in fast-moving hot gas streams. H. Cohen. 2,658,340, Nov. 10.
Apparatus for imparting a vibrating movement to objects or matters. L. H. de Langen. 2,663,554, Dec. 22.
Apparatus for imparting false twist to yarns. Georges and Georg Heberlein, E. Weiss, K. Risch, and T. Odinga. 2,655,781, Oct. 20.
Apparatus for impregnating and coating porous bodies. H. N. Maier. 2,657,608, Nov. 3.
Apparatus for impregnating solid bodies. P. Huggins. 2,627,838, Feb. 10.
Apparatus for impregnating textile materials. J. Rockoff. 2,637,892, May 12.
Apparatus for indicating humidity of gases and the atmosphere. E. W. Silvertooth. 2,632,114, Mar. 17.
Apparatus for indicating the displacement of an object from a datum position. W. T. Marchment. 2,632,330, Mar. 24.
Apparatus for indicating unbalance in rotary bodies. A. C. Allen. 2,656,713, Oct. 27.
Apparatus for indicating variable conditions in machines. J. R. Engstrom. 2,651,195, Sept. 8.
Apparatus for inducing artificial respiration. J. H. Emerson. 2,637,318, May 5.
Apparatus for inert-arc welding. W. S. Schaefer. 2,628,325, Feb. 10.

Apparatus for initiating and drilling deviating curved bores from existing vertical well bores. J. A. Zublin. 2,642,267, June 16.
Apparatus for injecting filling within bakery products. J. M. Galvin. 2,664,054, Dec. 29.
Apparatus for inserting hair into doll heads. R. Sievers. 2,626,619, Jan. 27.
Apparatus for installation in aircraft for receiving fuel and other liquids in flight and control means therefor. R. F. Worlidge. 2,634,926, Apr. 14.
Apparatus for installing semiplastic joint material in concrete roads. J. N. Heltzel. 2,636,425, Apr. 28.
Apparatus for installing valve seats. S. C. Boyce and H. E. Hart. 2,632,364, Mar. 24.
Apparatus for insulatingly terminating concentric conductor resonators. A. M. Gurewitsch. 2,630,487, Mar. 3.
Apparatus for intercepting primers and the like. W. B. Swansick. 2,660,085, Nov. 24.
Apparatus for introducing air to burners of reversing type furnaces. J. L. Hartney. 2,660,419, Nov. 24.
Apparatus for introducing cut film into cameras. P. B. Candela. 2,648,265, Aug. 11.
Apparatus for introducing fluid into subsurface formations. N. A. Nelson. 2,646,123, July 21.
Apparatus for introducing soluble agents into liquids. E. L. Prizer. 2,646,973, July 28.
Apparatus for inverting patients during X-ray examinations. G. V. Butler. 2,639,206, May 19.
Apparatus for investigating surface profiles. E. J. Abbott. 2,633,020, Mar. 31.
Apparatus for investigating the water content of a gas. J. Kinsella. 2,642,737, June 23.
Apparatus for irrigation. R. B. Munday and R. D. Conn. 2,626,482, Jan. 27.
Apparatus for lapping connecting rod ends, caps and similar articles. F. L. White. 2,653,423, Sept. 29.
Apparatus for launching rocket bombs from aircraft. R. A. Robert and P. P. Matge. 2,630,740, Mar. 10.
Apparatus for laying hose lines from moving vehicles. K. L. Treiber. 2,625,404, Jan. 13.
Apparatus for limb reeducation. D. Leroy. 2,642,286, June 16.
Apparatus for liquid treatment of strands. H. J. McDermott. 2,634,597, Apr. 14.
Apparatus for liquid treatment of vehicle bodies. A. P. Fowler. 2,657,666, Nov. 3.
Apparatus for loading and unloading cargo vessels. N. E. Dorland. 2,660,319, Nov. 24.
Apparatus for loading and unloading laminating presses. L. F. Samler. 2,656,048, Oct. 20.
Apparatus for loading bulk material into a ship's hold. B. A. Rose and B. M. Osojnak. 2,651,423, Sept. 8.
Apparatus for loading heavy spools. J. B. Fulton. 2,637,452, May 5.
Apparatus for loading truck trailers on ships. H. D. Cleveland. 2,637,453, May 5.
Apparatus for locating cable faults. J. P. Loses, Jr. 2,650,345, Aug. 25.
Apparatus for locking cop tubes on cop winding machines. T. T. Bunch. 2,656,127, Oct. 20.
Apparatus for logging wells while drilling. P. W. Martin. 2,650,067, Aug. 25.
Apparatus for loosening the pits of drupes. V. Lawrence. 2,646,830, July 28.
Apparatus for magazining articles. C. B. Lubbert and C. H. Trimble. 2,661,866, Dec. 8.
Apparatus for magnetic recording. L. H. Connell. 2,655,561, Oct. 13.
Apparatus for magnetic separation of materials. R. C. Hoff. 2,645,348, July 14.
Apparatus for maintaining a constant tension in a moving filament. H. Grein. 2,650,043, Aug. 25.
Apparatus for maintaining looms out of vibration-reinforcing phase. G. A. Winterburn. 2,646,823, July 28.
Apparatus for maintaining predetermined atmospheric conditions in compartments. R. S. Farr and W. A. Woodworth. 2,661,676, Dec. 8.
Apparatus for making adhesive tape. F. Salditt. 2,646,771, July 28.
Apparatus for making banded pressure vessels. C. H. Gay. 2,629,354, Feb. 24.
Apparatus for making blood films. C. McNeil. 2,655,898, Oct. 20.
Apparatus for making concrete elements. H. P. Georgii and N. O. H. Engström. 2,659,123, Nov. 17.
Apparatus for making buckles. E. M. Torbert. 2,639,489, May 26.
Apparatus for making coffee and like infusions. E. Duyvené de Wit. 2,638,840, May 19.
Apparatus for making composite ice-cream confections. E. L. Elwell. 2,649,744, Aug. 25.
Apparatus for making drawings. C. L. Y. Parker, C. W. Emery, and T. B. Smith. 2,658,302, Nov. 10.
Apparatus for making electrically ignited match heads. W. F. Mitcheltree. 2,630,734, Mar. 10.
Apparatus for making felt. F. H. Lee, Jr. 2,636,248, Apr. 28.
Apparatus for making film exposures for three-dimensional moving pictures. F. A. Ramsdell. 2,630,737, Mar. 10.
Apparatus for making flexible hose. E. P. Harris and F. W. Sampson. 2,625,979, Jan. 20.
Apparatus for making gas analyses. L. V. Guild. 2,631,088, Mar. 10.
Apparatus for making hats. E. J. Gurry. Aug. 25.
Apparatus for making linked products. J. 2,663,982, Dec. 29.
Apparatus for making lithograph blankets. W. 2,629,324, Feb. 24.
Apparatus for making lubrication fittings. A. 2,662,152, Dec. 8.
Apparatus for making organic fertilizers. K. F 2,633,412–3, Mar. 31.
Apparatus for making pleated curtains. H 2,658,551, Nov. 10.
Apparatus for making pleated material. F. 2,632,495, Mar. 24.
Apparatus for making precision antivibration m L. F. Thiry. 2,641,053, June 9.
Apparatus for making refrigerated comestible Read. 2,646,974, July 28.
Apparatus for making rotors for induction moto Hopkins. 2,627,765, Feb. 10.
Apparatus for making sacks. A. Potdevin. Apr. 21.
Apparatus for making screw fasteners. L. J 2,643,401, June 30.
Apparatus for making slab or billet-type ingot McQuaid. 2,632,216, Mar. 24.
Apparatus for making stiffened wrappers. W. 2,649,035, Aug. 18.
Apparatus for making stress-strain tests. J. I 2,659,232, Nov. 17.
Apparatus for making thermoplastic resin bar Nye. 2,627,213, Feb. 3.
Apparatus for making three-dimensional ornamen in the nature of decalcomania. C. E. 2,624,294, Jan. 6.
Apparatus for making tubular radiator cores. borowski. 2,627,241, Feb. 3.
Apparatus for making tufted upholstery bla Goth. 2,634,543, Apr. 14.
Apparatus for making U-shaped brake ban Schaefer. 2,642,112, June 16.
Apparatus for making wallboard. E. A. 2,631,381, Mar. 17.
Apparatus for making wax candies. D. 2,657,425, Nov. 3.
Apparatus for making wheel covers. G. 2,662,499, Dec. 15.
Apparatus for making wood patches. E. V. B H. Renn. 2,649,869, Aug. 25.
Apparatus for manipulating breast rolls. P. 2,634,658, Apr. 14.
Apparatus for manufacture of corrugated plywo Mello. 2,640,517, June 2.
Apparatus for manufacture of microspheroidal W. A. Rex and K. J. Nelson. 2,633,454, Mar
Apparatus for manufacturing artificial mushroo Zachary. 2,652,008, Sept. 15.
Apparatus for manufacturing brick. H. Rivers. June 16.
Apparatus for manufacturing cement-asbest W. and J. Bernard. 2,650,524, Sept. 1.
Apparatus for manufacturing dipped rubber a S. Killian. 2,649,619, Aug. 25.
Apparatus for manufacturing floor mats. A. 2,654,910, Oct. 13.
Apparatus for manufacturing helically finned C. Edwards. 2,635,571, Apr. 21.
Apparatus for manufacturing ice-cream cake and the like. P. M. Angell. 2,627,237, Feb.
Apparatus for manufacturing ice-cream cake re like. P. M. Angell and W. J. Benn. 2,627,2
Apparatus for manufacturing thin wall precisio J. M. McKinley, H. Phillips, F. Siciliano, Neice. 2,648,260, Aug. 11.
Apparatus for manufacturing tire treads. D. 2,644,984, July 14.
Apparatus for marking a hemline in dresses W. A. Stevens and K. T. Wilson. 2,634,502,
Apparatus for measuring and/or controlling tency of a paste or slurry. J. W. Laing Starnes. 2,629,790, Feb. 24.
Apparatus for measuring and recording the di velocity of wind. L. E. Wood and V. 2,648,980, Aug. 18.
Apparatus for measuring and recording variable J. J. L. Pouradier and A. J. Dubois. 2,635,4
Apparatus for measuring backlash in gears. 2,661,542, Dec. 8.
Apparatus for measuring chemical activity, of catalysts. J. M. Formwalt. 2,658,819, N
Apparatus for measuring electrostatic charg Graham. 2,663,842, Dec. 22.
Apparatus for measuring feet. W. J. Zaroff a 2,650,518, Sept. 1.
Apparatus for measuring flame temperatur Strong and F. P. Bundy. 2,627,202, Feb. 3
Apparatus for measuring gas pressures. J. 2,625,586, Jan. 13.
Apparatus for measuring liquid level. K. 2,651,940, Sept. 15.
Apparatus for measuring moisture. R. L. 2,633,018, Mar. 31.

Apparatus for measuring moisture content of a traveling layer of material. B. S. McKinley. 2,653,298, Sept. 22.
Apparatus for measuring pipe in or out of holes. B. S. Minor and F. J. Lopker. 2,655,633, Oct. 13.
Apparatus for measuring potential differences in liquid. M. F. Peters. 2,625,588, Jan. 13.
Apparatus for measuring power and standing waves in wave guides. J. E. Hill. 2,660,706, Nov. 24.
Apparatus for measuring pressures and pressure variations. C. O. Carlson. 2,653,295, Sept. 22.
Apparatus for measuring relative angular movements. W. D. Moore. 2,656,818, Oct. 27.
Apparatus for measuring resistance. H. R. Heath. 2,651,751, Sept. 8.
Apparatus for measuring stress relaxation of elastomeric materials. S. D. Gehman. 2,637,203, May 5.
Apparatus for measuring strip thickness. G. H. Rendel. 2,659,154, Nov. 17.
Apparatus for measuring suspended pipe sections upon derricks. M. L. Barnhart. 2,654,155, Oct. 6.
Apparatus for measuring temperature. H. Heidenwolf. 2,642,742, June 23.
Apparatus for measuring the contents of large tanks. E. A. Weaver. 2,651,939, Sept. 15.
Apparatus for measuring the density of gases. J. B. McMahon. 2,662,394, Dec. 15.
Apparatus for measuring the focal length of lenses. H. Freeman. 2,640,392, June 2.
Apparatus for measuring the hardness of materials. A. R. More. 2,643,545, June 30.
Apparatus for measuring the hardness of materials. A. R. More. 2,645,934, July 21.
Apparatus for measuring the level of liquids. O. Falk. 2,657,577, Nov. 3.
Apparatus for measuring the modulus of compression of rubberlike material. R. W. Brown. 2,626,522, Jan. 27.
Apparatus for measuring the specific gravity of a gas. J. S. Powell, Jr. 2,642,738, June 23.
Apparatus for measuring the speed of elongated products. C. B. Hull and C. C. Keller. 2,641,715, June 9.
Apparatus for measuring the spray angle of a nozzle. W. F. Smith. 2,651,844, Sept. 15.
Apparatus for measuring the surface resistivity of materials. L. J. Moeller. 2,643,287, June 23.
Apparatus for measuring the thickness of nonmagnetizable coatings on magnetizable materials. T. R. Rudge. 2,652,846, Sept. 15.
Apparatus for measuring the vector difference of two alternating current voltages. M. P. Vore and M. J. Gelpi. 2,656,509, Oct. 20.
Apparatus for measuring velocity and temperature of fluids. L. R. Phillips and H. O. Nilsson. 2,648,224, Aug. 11.
Apparatus for measuring viscosity. J. W. Millington. 2,633,016, Mar. 31.
Apparatus for measuring voltage drop. D. F. Alexander. 2,632,794, Mar. 24.
Apparatus for measuring voltage drop. D. F. Alexander. 2,634,318, Apr. 7.
Apparatus for measuring water pressures in earth embankments. H. N. Walker and J. L. Pulli. 2,645,128, July 14.
Apparatus for measuring yardage of decated material. S. D. Greenberg. 2,626,536, Jan. 27.
Apparatus for melting titanium to form ingots. S. A. Herres. 2,640,860, June 2.
Apparatus for melting waxy compounds for spraying purposes. S. A. W. Jeurling. 2,641,676, June 9.
Apparatus for mending hosiery. M. M. Brown. 2,624,183, Jan. 6.
Apparatus for metals distillation. R. Doucot. 2,654,700, Oct. 6.
Apparatus for microscopic analysis. B. H. McLeod. 2,637,244, May 5.
Apparatus for milling complex surfaces. C. B. De Vlieg. 2,660,931, Dec. 1.
Apparatus for milling rubber. A. Hale and G. V. Kullgren. 2,663,901, Dec. 29.
Apparatus for mixing finely divided solid particles and liquid. M. B. Nicholls. 2,657,911, Nov. 3.
Apparatus for mixing hypochlorite solutions. R. L. Carr. 2,639,981, May 26.
Apparatus for modifying the amplitude range of microwave signals. A. F. Dietrich. 2,652,540, Sept. 15.
Apparatus for molding. E. E. Blaurock. 2,661,498, Dec. 8.
Apparatus for molding and packaging ice cream. K. F. Schulze. 2,627,824, Feb. 10.
Apparatus for molding concrete pipe. H. X. Eschenbrenner. 2,641,818, June 16.
Apparatus for molding hamburger steak patties and the like. H. J. Nelson. 2,654,121, Oct. 6.
Apparatus for molding skins. A. E. Ushakoff. 2,648,079, Aug. 11.
Apparatus for molding tubular insulation. H. P. Hoopes. 2,631,351, Mar. 17.
Apparatus for molding veneer boats. B. Frees, Jr. 2,625,187, Jan. 13.
Apparatus for motor transports. P. J. Huebshman. 2,647,009, July 28.
Apparatus for mounting end stops on slide fastener stringers. H. Levine. 2,631,638, Mar. 17.
Apparatus for mounting inserts in cards. L. Baker. 2,643,786, June 30.
Apparatus for multistage cementing of deep wells. J. E. Hall. 2,646,125, July 21.
Apparatus for nibbling. G. F. Wales and P. H. Taylor. 2,650,663, Sept. 1.
Apparatus for nitration of organic compounds. W. H. Marshall, Jr. 2,654,658, Oct. 6.
Apparatus for nonrefillable bottles. F. S. Onorato. 2,626,723, Jan. 27.
Apparatus for notching or slotting perforated cards. H. E. Hooe. 2,630,863, Mar. 10.
Apparatus for obtaining aerosols of superior quality. L. Dautrebande. 2,642,150, June 16.
Apparatus for obtaining masses of thermal energy. P. G. M. Barris. 2,633,716, Apr. 7.
Apparatus for obtaining samples from flowing streams. J. S. Norman, Jr. 2,637,211, May 5.
Apparatus for oiling fabrics prior to reduction to fiber. H. J. Fairfield. 2,646,774, July 28.
Apparatus for open butt welding metal workpieces. J. J. Crowe. 2,657,660, Nov. 3.
Apparatus for opening and emptying bags. R. Trautschold. 2,660,324, Nov. 24.
Apparatus for opening cigarette packets. K. G. E. Alfredsson and S. G. Hanell. 2,645,007, July 14.
Apparatus for opening cotton and like fibrous material. Z. Szaloki. 2,661,501, Dec. 8.
Apparatus for operating a vacuum currying apparatus. S. J. Erling. 2,640,218, June 2.
Apparatus for operating gaseous discharge tube device. P. K. Ranney and C. R. Kazebee. 2,659,035, Nov. 10.
Apparatus for operating molded fiber drying dies. M. P. Chaplin. 2,624,956, Jan. 13.
Apparatus for operating railway dump cars. T. J. Kochaver. 2,645,964, July 21.
Apparatus for operating rotary valves. A. D. MacLean. 2,643,677, June 30.
Apparatus for operating tools in well bores. R. C. Baker. 2,640,546, June 2.
Apparatus for optically gauging profiles. C. F. Dietrich and H. J. Smith. 2,628,528, Feb. 17.
Apparatus for oral anesthesia. E. A. Waldhaus. 2,638,096, May 12.
Apparatus for orienting mitered cleats. D. G. Kingsley. 2,662,633, Dec. 15.
Apparatus for orienting notched cleats. C. J. MacNamara. 2,647,614, Aug. 4.
Apparatus for orienting tools. H. P. Aston. 2,653,007, Sept. 22.
Apparatus for packaging commodities. H. P. Lewis. 2,657,510, Nov. 3.
Apparatus for packaging commodities with trough member supported between plates. C. T. Nichols. 2,640,638, June 2.
Apparatus for packaging in a controlled atmosphere. H. A. Rohdin. 2,633,684, Apr. 7.
Apparatus for packaging popcorn. J. T. Martin. 2,648,479, Aug. 11.
Apparatus for packing and sealing shipping cases. W. D. Kimball. 2,651,898, Sept. 15.
Apparatus for packing articles on a standard. H. J. Barnhard. 2,629,530, Feb. 24.
Apparatus for packing containers. C. E. Kerr. 2,650,009, Aug. 25.
Apparatus for packing food products. E. H. Carruthers. 2,648,478, Aug. 11.
Apparatus for parking automobiles. M. Allmanestiano. 2,647,647, Aug. 4.
Apparatus for peeling fruit or vegetable products. W. M. Martin. 2,631,628, Mar. 17.
Apparatus for peeling vegetables and fruits. O. P. Pierson. 2,631,627, Mar. 17.
Apparatus for pelleting carbon black. M. L. Studebaker and J. E. Crouch. 2,638,625, May 19.
Apparatus for pelleting chain structure carbon black. C. H. Hohnadel. 2,656,257, Oct. 20.
Apparatus for perforating hollow cylindrical objects. C. W. Musser and P. L. Fox. 2,630,862, Mar. 10.
Apparatus for performing chemical tests. T. A. Hewson. Re. 23,634, Mar. 24.
Apparatus for permanently waving hair on the human head. J. S. Cipolla. 2,642,071-2, June 16.
Apparatus for photochemical dyeing. L. E. Ravich. 2,655,802, Oct. 20.
Apparatus for photoelectric detection. S. M. Bagno. 2,631,273, Mar. 10.
Apparatus for photographing type matter from composed lines. J. J. O'Kane. 2,630,743, Mar. 10.
Apparatus for piling sheet material. P. G. Snyder. 2,636,736, Apr. 28.
Apparatus for placing splines. F. C. Russell and C. W. Porter. 2,654,402, Oct. 6.
Apparatus for plating metal objects. O. F. Davis and H. G. Belitz. 2,649,754, Aug. 25.
Apparatus for plugging test tubes and the like. W. Gold. 2,624,499, Jan. 6.
Apparatus for plugging wells. L. W. Toelke. 2,651,371, Sept. 8.
Apparatus for plugging wells. L. W. Toelke. 2,656,891, Oct. 27.
Apparatus for polishing. A. Zimmerman. 2,648,176, Aug. 11.
Apparatus for positioning fish. P. Danielsson. 2,649,613, Aug. 25.

Apparatus for positively feeding paste and other adhesives to moving work. H. H. Weber and A. O. Sohn. 2,641,220, June 9.
Apparatus for powdering the interior of surgeons' gloves. C. J. Miller. 2,642,033, June 16.
Apparatus for precooling transportation vehicles. B. Wilson and H. M. Hincz. 2,634,589, Apr. 14.
Apparatus for preheating combustion air and feed water for steam generating plants. D. Dalin and G. V. Hagby. 2,635,587, Apr. 21.
Apparatus for preparing a well casing for sidetrack drilling. H. Hampton. 2,633,331, Mar. 31.
Apparatus for preparing and dispensing adhesive coated tape. G. A. Gerard. 2,631,562, Mar. 17.
Apparatus for preparing foam-like substances such as whipped cream. L. B. Heesen. 2,654,585, Oct. 6.
Apparatus for preparing freshly spun cakes of rayon for aftertreatments. R. V. De Vault and R. J. Echerd, Jr. 2,645,434, July 14.
Apparatus for preparing seedbeds. C. G. Card. 2,652,760, Sept. 22.
Apparatus for prepressing curved laminated safety glass. R. L. Swindler. 2,635,973, Apr. 21.
Apparatus for preserving meat. R. C. Graves. 2,629,311, Feb. 24.
Apparatus for pressing curved laminated safety glass. J. H. Bolcey and C. B. Williams, Jr. 2,628,177, Feb. 10.
Apparatus for pressing laminated materials. Y. H. Smiley. 2,651,062, Sept. 8.
Apparatus for pressing print tissue onto articles. R. H. Martin. 2,647,337, Aug. 4.
Apparatus for pressing sheets. J. Zimarik. 2,645,044, July 14.
Apparatus for pressure casting. A. E. Holder. 2,634,468, Apr. 14.
Apparatus for pressure testing vessels, such as pipe and the like. E. L. Potts and F. L. Scott, Jr. 2,633,739, Apr. 7.
Apparatus for pressure welding of seams or edges. J. F. Cachat. 2,629,811, Feb. 24.
Apparatus for pressurizing containers for fire-extinguishing dry chemicals. A. B. Guise and A. Allen. 2,651,375, Sept. 8.
Apparatus for preventing or reducing the formation of ice on the air ducts of gas turbine engines. F. C. I. Marchant and J. E. Bell. 2,654,992, Oct. 13.
Apparatus for printing continuous designs on roll paper and the like. W. B. Chance. 2,661,687, Dec. 8.
Apparatus for printing designs on cylindrical bodies. J. V. Fernández. 2,652,771, Sept. 22.
Apparatus for processing cordage. J. H. Penn and P. R. Powell. 2,649,822, Aug. 25.
Apparatus for processing film. C. M. Tuttle and R. E. Klauss. 2,629,304, Feb. 24.
Apparatus for processing frozen comestibles. C. A. Reed. 2,626,133, Jan. 20.
Apparatus for processing fusible materials. N. P. Harshberger. 2,630,310, Mar. 3.
Apparatus for processing interior surfaces of tubular articles and the like. S. S. Johns. 2,634,703, Apr. 14.
Apparatus for processing liquids to convert them into semisolid or solid form. H. T. Shore. 2,651,185, Sept. 8.
Apparatus for processing olives. R. N. Ball and E. Van Dellen. 2,630,749, Mar. 10.
Apparatus for processing round bars and tubes. E. W. Nilsson. 2,655,194, Oct. 13.
Apparatus for producing a heated gaseous medium. R. M. Sherman. 2,651,514, Sept. 8.
Apparatus for producing a nonwoven soft-surface floor covering. H. A. Reinhardt. 2,638,960, May 19.
Apparatus for producing a power function of an input voltage. D. R. de Boisblanc and R. S. Marsden, Jr. 2,643,348, June 23.
Apparatus for producing articles as by compound rotation of article-forming means. D. G. Rempel. 2,629,130, Feb. 24.
Apparatus for producing carbon black. H. L. Ammann. 2,658,821, Nov. 10.
Apparatus for producing compressed air for obtaining vibratory air movements therefrom. W. Bernardoni. 2,645,904, July 21.
Apparatus for producing concrete roof tiles. A. L. Bushore. 2,637,888, May 12.
Apparatus for producing fibrous glass. M. W. Phillips. 2,632,287, Mar. 24.
Apparatus for producing glare screens. J. D. Ryan and P. T. Mattimoe. 2,639,687, May 26.
Apparatus for producing healthful sleep. M. G. Clay. 2,637,322, May 5.
Apparatus for producing impingement carbon black. H. H. Hahn and W. F. Hendricks. 2,628,891, Feb. 17.
Apparatus for producing lightweight aggregates. J. B. Dube. 2,642,273, June 16.
Apparatus for producing metal parts. H. G. Kellogg. 2,650,635, Sept. 1.
Apparatus for producing photomontages. D. J. Flynn. 2,654,289, Oct. 6.
Apparatus for producing porcelain enamel. R. E. Skinner and G. H. McIntyre. 2,640,859, June 2.
Apparatus for producing prefabricated building walls. J. J. Kantzler. 2,626,643, Jan. 27.
Apparatus for producing protective binding from flat stock. G. T. Cumming. 2,629,297, Feb. 24.

Apparatus for producing seismic waves in a body. A. J. Hintze. 2,632,520, Mar. 24.
Apparatus for producing smoke. F. W. H. 2,646,032, July 21.
Apparatus for producing stereoscopic pictures. Ayres. 2,644,382, July 7.
Apparatus for producing symmetrical generally capsules. A. M. Donofrio. 2,663,130, Dec. 22.
Apparatus for producing tapered metal disks. J. 2,649,820, Aug. 25.
Apparatus for producing television in color. M. 2,638,816, May 19.
Apparatus for producing tubular members. C. and A. L. Williams. 2,647,193, July 28.
Apparatus for producing type proof and pl thereof. J. F. Murphy. 2,638,040, May 12.
Apparatus for producing variable width magne lings. S. J. Begun. 2,632,061, Mar. 17.
Apparatus for producing ventilated staves or b J. Saffert. 2,640,248, June 2.
Apparatus for producing vibrations in liquid Kärcher. 2,659,223, Nov. 17.
Apparatus for producing woven fabrics. P. 2,638,935, May 19.
Apparatus for production of reliefs. R. E. Ma L. A. Whinnery. 2,656,766, Oct. 27.
Apparatus for production of strip stock from p L. L. Stott and P. L. Shurr. 2,638,628, May
Apparatus for proportioning liquid mixtures O'Neill. 2,647,485, Aug. 4.
Apparatus for proportioning materials. 2,658,644, Nov. 10.
Apparatus for providing gravity flow in floode frigeration systems. W. G. Cartter and J. 2,647,377, Aug. 4.
Apparatus for providing variable quantities of c fluids. W. W. Paget. 2,648,488, Aug. 11.
Apparatus for pulping papermaking material. W 2,661,666, Dec. 8.
Apparatus for pumping drilling fluids. D. 2,644,401, July 7.
Apparatus for purifying products of combustio Peters. 2,635,039, Apr. 14.
Apparatus for pyrolyzing reactants. A. L. 2,653,859, Sept. 29.
Apparatus for racking pipe in derricks. A. 2,628,725, Feb. 17.
Apparatus for raising and supporting a lawn m including blade sharpening means. C. W 2,657,502, Nov. 3.
Apparatus for rapid X-ray exposures. W. B. R. A. Isenberg. 2,652,498, Sept. 15.
Apparatus for rapidly moving bottles and simil around sharp bends. N. A. Siegal. 2,653,713
Apparatus for reading. D. H. Shepard. 2,663 22.
Apparatus for reaping seed crops. R. D. Simp Gordon, and F. Cardoza. 2,637,965, May 12.
Apparatus for recording time intervals. A. F. 2,626,004, Jan. 20.
Apparatus for recovering gas borne particles. 2,642,953, June 23.
Apparatus for recovering oil from the solvent scouring of raw wool or wool fabric. R. 2,631,971, Mar. 17.
Apparatus for recovering oysters. S. G. Harris. Sept. 22.
Apparatus for recovering practice torpedoes. C. E. F. Cox, R. MacHenry, and E. Finkle. June 16.
Apparatus for refining papermaking material. W 2,661,667, Dec. 8.
Apparatus for refining used lubricating oil. C. Miller. 2,626,229, Jan. 20.
Apparatus for refractometry. P. D. Schnelle. Aug. 18.
Apparatus for refractometry utilizing phot S. E. J. Johnsen. 2,649,014, Aug. 18.
Apparatus for refrigerating railway cars in tra Goss. 2,632,309, Mar. 24.
Apparatus for regenerating water softeners. W man. 2,628,192, Feb. 10.
Apparatus for regulating propulsion power plan Ogle, D. E. Garr, and M. A. Edwards. July 14.
Apparatus for regulating the discharge of liqui siphons. P. F. Danel. 2,642,888, June 23.
Apparatus for regulating the passage of fuel in manifolds. L. Troy. 2,650,352, Nov. 17.
Apparatus for relatively continuously receivin and intermittently discharging the same. L. man. 2,637,456, May 5.
Apparatus for relaying a control function thr pressed air. J. E. White. 2,642,075, June
Apparatus for releasing frozen confections fr K. Eftihios. 2,649,764, Aug. 25.
Apparatus for remote control bombing. D. S 2,649,262, Aug. 18.

Apparatus for remote control of outboard motors. K. M. Urquhart. 2,624,212, Jan. 6.
Apparatus for removal of carbonaceous deposits from powdered solids. R. P. Trainer and L. E. Border. 2,631,927, Mar. 17.
Apparatus for removing air from ceramic materials. C. O. Fiedler. 2,628,401, Feb. 17.
Apparatus for removing articles from cases. K. Holstebro and E. Ardell. 2,631,746, Mar. 17.
Apparatus for removing barbs from the quills of feathers. A. J. Naab. 2,657,432, Nov. 3.
Apparatus for removing carbonized material from textile fabrics. H. B. Rand and R. N. Hoyt. 2,633,588, Apr. 7.
Apparatus for removing casings from wieners and the like. J. J. Fedevich. 2,636,213, Apr. 28.
Apparatus for removing excess fluxing liquid from radiator cores. G. H. Truran. 2,626,417, Jan. 27.
Apparatus for removing excess solder from soldered articles. R. G. Hall. 2,658,466, Nov. 10.
Apparatus for removing frozen confections from spurs. H. G. Huebsch. 2,644,409, July 7.
Apparatus for removing grit from sewage. S. L. Tolman. 2,647,085, July 28.
Apparatus for removing heads from bodies of shrimps. C. A. and E. F. Greiner. 2,663,897, Dec. 29.
Apparatus for removing insulation from the terminal leads of electrical members. J. B. Leece. 2,645,796, July 21.
Apparatus for removing membrane or skin from animal stomachs. A. Grant and K. Tomlinson. 2,630,599, Mar. 10.
Apparatus for removing slabs from heating furnaces. H. Demmon and M. E. Houk. 2,660,321, Nov. 24.
Apparatus for removing solids from liquids in settling tanks and the like. R. L. Knowlton. 2,660,557, Nov. 24.
Apparatus for removing tendons from fowl. S. J. Ograbisz. 2,653,346, Sept. 29.
Apparatus for removing the cut hair from hair clippers. C. J. Atha. 2,653,380, Sept. 29.
Apparatus for reproducing images in color. A. C. Schroeder. 2,646,463, July 21.
Apparatus for reproducing images in color. P. H. Werenfels and J. E. Eckert. 2,646,528-9, July 21.
Apparatus for retrieving fishing tackle or the like. F. V. Broady. 2,642,693, June 23.
Apparatus for riveting laminated structures for electrical apparatus. E. C. Ballman. 2,653,208, Sept. 22.
Apparatus for road construction. W. P. Day. 2,633,781, Apr. 7.
Apparatus for roasting vegetable materials. W. S. Scull, 2nd, and G. A. Fisher. 2,644,681, July 7.
Apparatus for rolling sheet metal. W. R. Macaulay and J. E. Coolidge. 2,660,077, Nov. 24.
Apparatus for rotating microwave energy. J. F. Zaleski. 2,628,278, Feb. 10.
Apparatus for ruling negatives in the photolithographic art. W. E. Lewis. 2,657,467, Nov. 3.
Apparatus for salvaging beehive frames and beeswax. J. M. Thom. 2,624,353, Jan. 6.
Apparatus for sampling flowing streams. D. H. McKinney and W. A. Harris. 2,636,387, Apr. 28.
Apparatus for screwing pipe couplings hand-tight on pipes. J. B. Wharton. 2,627,772, Feb. 10.
Apparatus for sealing and evacuating containers. C. W. Lauritzen. 2,636,657, Apr. 28.
Apparatus for sealing closure caps on containers. W. L. Brown. 2,630,959, Mar. 10.
Apparatus for sealing containers while crowning under vacuum. J. Kantor. 2,625,312, Jan. 13.
Apparatus for sealing glass ampoules. J. D. Ralston. 2,633,672, Apr. 7.
Apparatus for sealing wrapping material. L. A. Ulmschneider. 2,629,808, Feb. 24.
Apparatus for secondary recovery in oil wells. J. D. Nixon. 2,624,410, Jan. 6.
Apparatus for securing a resilient tread to the bottom surface of flexible footwear. G. V. Walls. 2,659,094, Nov. 17.
Apparatus for securing eye mechanisms in doll heads. P. Rekettye. 2,659,887, Nov. 24.
Apparatus for seismic exploration. R. G. Piety. 2,657,373, Oct. 27.
Apparatus for selectively interconnecting wave guides. E. Dyke and R. Y. Hoffman, Jr. 2,629,048, Feb. 17.
Apparatus for selectively marking moving strip. K. O. Neander and A. Teplitz. 2,648,278, Aug. 11.
Apparatus for separating a mixture of granular or comminuted materials by air suspension. W. H. Mead, L. H. Bishop, and J. S. Finn. 2,635,745, Apr. 21.
Apparatus for separating gases from liquid. J. R. Rhinehart and C. H. Eshrich. 2,625,236, Jan. 13.
Apparatus for separating mixed materials. W. L. Remick. 2,641,362, June 9.
Apparatus for separating moisture from a vapor. E. Durham. 2,649,928, Aug. 25.
Apparatus for separating oil from coolant liquids. A. M. Sargent. 2,658,040, Nov. 3.
Apparatus for separating particles from gases. F. Bowers and R. S. Brookman. 2,643,737, June 30.
Apparatus for separating pieces of fabric joined by soluble threads. J. H. McCusker. 2,653,466, Sept. 29.
Apparatus for separating potatoes. R. G. and G. Innes. 2,626,051, Jan. 20.
Apparatus for separating sheets, envelopes and the like. J. R. Bamber. 2,634,125, Apr. 7.
Apparatus for separating slag from a slag containing molten metal. I. Harter, Jr., and T. W. Ratcliffe. 2,659,120, Nov. 17.
Apparatus for separating solid matter from a gas. R. W. Coward. 2,634,822, Apr. 14.
Apparatus for separating solid metallic particles from an electrolyte and compacting the same. W. G. Lovell and N. E. Phillips. 2,662,643, Dec. 15.
Apparatus for separating suspended particles from gases. C. B. McBride and P. F. Best. 2,632,527, Mar. 24.
Apparatus for separating suspended particles from gases. C. B. McBride, P. F. Best, and S. R. Orem, Jr. 2,625,240, Jan. 13.
Apparatus for separating the constituents of gaseous mixtures. A. J. and I. F. Fausek. 2,645,103, July 14.
Apparatus for separating the flesh from the skin of fish. G. E. Hube. 2,655,688, Oct. 20.
Apparatus for setting up box blanks. R. A. Samsing. 2,626,545, Jan. 27.
Apparatus for setting up folding cartons and the like. A. J. Weiss. 2,625,084, Jan. 13.
Apparatus for shaping electric lamp mounts. G. S. Quinn and M. D. Betts. 2,641,286, June 9.
Apparatus for shaping tampon applicator tube ends. O. T. Thompson. 2,639,646, May 26.
Apparatus for sharpening drills. O. Amiet. 2,663,126, Dec. 22.
Apparatus for sharpening razor blades and other blades. W. S. Bucklin. 2,641,091, June 9.
Apparatus for shoe manufacture. A. E. St. Germain. 2,663,884, Dec. 29.
Apparatus for simulating radio navigation aids. R. C. Dehmel. Re. 23,627 Mar. 10.
Apparatus for simultaneously polishing both faces of a moving ribbon of glass. R. H. Golightly. 2,630,658, Mar. 10.
Apparatus for siphoning water from oil treating structure. E. R. Williams. 2,624,462, Jan. 6.
Apparatus for smelting zinciferous material comprising an electric furnace. R. A. Wilkins and G. C. Mutch. 2,629,756, Feb. 24.
Apparatus for smoking and curing food products. C. B. Jensen. 2,640,414, June 2.
Apparatus for softening waxes or the like materials. B. W. G. Jackson and C. Skinner. 2,636,970, Apr. 28.
Apparatus for soldering. E. E. Nofzinger. 2,634,697, Apr. 14.
Apparatus for soldering metal strips. G. A. Matteson, Jr., O. J. Rainville, and G. I. Parker. 2,627,010, Jan. 27.
Apparatus for soldering side seams of cans. J. E. Socke. 2,649,749, Aug. 25.
Apparatus for solids flow control. C. H. O. Berg. 2,647,587, Aug. 4.
Apparatus for sorting and feeding receptacle closure caps. J. C. and W. H. Johnson. 2,656,807, Oct. 27.
Apparatus for spacing elongate elements. D. K. Porter. 2,640,664, June 2.
Apparatus for splitting warp sheets and the like. J. R. Andrews, Jr. 2,637,094, May 5.
Apparatus for spray drying. A. G. Brendel. 2,644,516, July 7.
Apparatus for spraying attennation material onto traveling wave tube helices. H. A. Schneider. 2,659,337, Nov. 17.
Apparatus for spraying hot liquids such as asphaltic emulsions on roadway surfaces. P. E. Jones. 2,657,092, Oct. 27.
Apparatus for spreading manure. W. E. Templeton. 2,653,028, Sept. 22.
Apparatus for stacking flat cans. F. Winters. 2,645,328, July 14.
Apparatus for stacking transformer laminations within a coil window. H. V. Knauf, Jr. and C. A. Erdman, Jr. 2,658,268, Nov. 10.
Apparatus for staking leads to commutators. J. J. Currivan. 2,659,959, Nov. 24.
Apparatus for starting internal-combustion engines from a distance. R. J. Gelbmann. 2,632,120, Mar. 17.
Apparatus for static pulse rejection. M. M. Newman. 2,654,835, Oct. 6.
Apparatus for stitching tires. P. E. Appleby. 2,642,921, June 23.
Apparatus for storing hay. C. Oberlin. 2,641,174, June 9.
Apparatus for straightening pipe. T. H. Kennedy and S. Webb. 2,642,113, June 16.
Apparatus for straightening sheet metal. H. D. Paxson. 2,650,637, Sept. 1.
Apparatus for stretching film. E. V. Dettmer. 2,659,931, Nov. 24.
Apparatus for stringing tobacco leaves. A. E. Palmer. 2,649,977, Aug. 25.
Apparatus for stripping and regenerating spent adsorptive powders. W. V. Medlin. 2,650,155, Aug. 25.
Apparatus for stripping and removing artificial casings from sausages. J. W. Ball. 2,644,979, July 14.
Apparatus for stripping fluid type catalysts. E. Strunk. 2,637,633, May 5.
Apparatus for supplying a liquid to a fluid pressure medium under flow. P. Ketelsen. 2,656,899, Oct. 27.
Apparatus for supporting and displaying articles. G. P. Morgan. 2,646,891, July 28.

Apparatus for supporting and manipulating phonograph records. D. M. Groves. 2,639,155, May 19.
Apparatus for supporting and revolving packing cases into position for wiring. R. C. Knott. 2,632,382, Mar. 24.
Apparatus for synchronizing receivers in facsimile printing systems. R. Heil and H. Taudt. 2,654,802, Oct. 6.
Apparatus for synchronizing the speeds of power-driven mechanisms. E. M. May. 2,627,762, Feb. 10.
Apparatus for synthesizing facsimile signals from coded signals. C. E. Hunt, Jr. Re. 23,713, Sept. 22.
Apparatus for tension-calendering fabric. W. J. Secrest. 2,627,296, Feb. 3.
Apparatus for testing and adjusting gun sights. P. H. Eccleston. 2,641,056, June 9.
Apparatus for testing and controlling the concentration of solutions. W. N. Lindsay. 2,656,845, Oct. 27.
Apparatus for testing and sorting thin rubber articles. J. R. Gammeter. 2,649,960, Aug. 25.
Apparatus for testing dynamoelectric machines. B. H. Short. 2,637,204, May 5.
Apparatus for testing elastic material. S. A. Black. 2,641,128, June 9.
Apparatus for testing electric timers. W. J. Kassimir. 2,629,009, Feb. 17.
Apparatus for testing flexible members. M. Castricum. 2,657,573, Nov. 3.
Apparatus for testing multiconductor cables. J. Lamont. 2,635,135, Apr. 14.
Apparatus for testing the fastness of dyeings on wetted textiles. W. Thommen. 2,660,055, Nov. 24.
Apparatus for testing the fuel consumption of motor vehicles. D. Bracci. 2,652,719, Sept. 22.
Apparatus for testing the hardness of materials. A. Ernst. Re. 23,755, Dec. 22.
Apparatus for testing thickness of textile lap. C. C. Wilson and H. L. Smedley. 2,642,664, June 23.
Apparatus for the automatic forming of cast fibrous pulp cone blanks for cone speaker diaphragms. C. E. Stevens. 2,645,165, July 14.
Apparatus for the automatic serving of meals. M. Stern. 2,656,032, Oct. 20.
Apparatus for the compression of the grooves of helically grooved tubes and hoses. A. C. Hussnigg. 2,657,617, Nov. 3.
Apparatus for the concentrating of minerals by means of froth floatation. R. Wunsch. 2,652,924, Sept. 22.
Apparatus for the continuous analysis of oxygen and hydrogen. J. G. Cohn. 2,631,925, Mar. 17.
Apparatus for the continuous extrusion of decorative thermoplastic sheets. L. T. Murray. 2,632,204, Mar. 24.
Apparatus for the continuous fermentation of pulverized vegetable products. F. Laurenty. 2,655,434, Oct. 13.
Apparatus for the continuous induction heating of round rods and the like. D. J. Reynolds. 2,632,839, Mar. 24.
Apparatus for the continuous milling of plastics. R. Sullivan, A. Y. Glendinning, and L. M. Read. 2,652,590, Sept. 22.
Apparatus for the continuous production of cement-fiber sheets. P. Salvaneschi. 2,644,373, July 7.
Apparatus for the control of distillation reflux. J. E. Kochie. 2,647,863, Aug. 4.
Apparatus for the control of electric switch locks in centralized traffic control systems for railroads. G. L. Trout. 2,662,972, Dec. 15.
Apparatus for the delivery of articles to conveyers. L. Thébault. 2,633,224, Mar. 31.
Apparatus for the destructive distillation of oil shale. D. Dalin. 2,661,327, Dec. 1.
Apparatus for the detection of flaws. J. C. Dionne. 2,657,355, Oct. 27.
Apparatus for the diagnosis and the control of treatment of diseases of the eye. W. V. Stephenson. 2,640,357, June 2.
Apparatus for the fluid treatment of fibers and the like. R. H. Helle. 2,661,619, Dec. 8.
Apparatus for the gravity conveyance of adsorption media. E. Arnold, E. Heilmann, and W. Vollmer. 2,656,007, Oct. 20.
Apparatus for the integration and control of radiation, particularly for the control of exposure in photographic processes. A. M. Feller. 2,654,858, Oct. 6.
Apparatus for the magnetic levitation and heating of conductive materials. P. H. Brace. 2,664,496, Dec. 29.
Apparatus for the manufacture of compressed wooden dowels. P. A. Rahalm. 2,630,149, Mar. 3.
Apparatus for the manufacture of filamentary yarn. T. S. Mayner. 2,648,117, Aug. 11.
Apparatus for the manufacture of foamed products. S. W. Alderfer. 2,658,736, Nov. 10.
Apparatus for the manufacture of hollow cast articles. H. Martin and P. Rekettye. 2,629,131, Feb. 24.
Apparatus for the manufacture of inlaid flexible smooth surface coverings and the like. H. Ward. 2,638,983, May 19.
Apparatus for the manufacture of multicellular glass. I. Peyches. 2,658,096, Nov. 3.
Apparatus for the manufacture of roofing tiles and the like. G. W. A. Agar. 2,650,408, Sept. 1.
Apparatus for the manufacture of stockings in a single working process. J. Václavík and M. Kopřiva. 2,648,960, Aug. 18.
Apparatus for the manufacture of threads or
A. O. Ryan. 2,627,084, Feb. 3.
Apparatus for the mechanical production of ac
brations for use in emulsification, dispersio
processes. E. C. Cottell and J. E. Goodman.
Oct. 27.
Apparatus for the measurement of the bulk m
liquids. S. L. Kerr and L. H. Kessler.
June 9.
Apparatus for the pneumatic evacuation of
R. A. Norbom. 2,660,341, Nov. 24.
Apparatus for the pneumatic evacuation of mate
receptacles. R. A. Norbom. 2,633,389, Mar.
Apparatus for the production of calcium super
F. Steichen. 2,650,078, Aug. 25.
Apparatus for the production of controlled
steam vapor. G. L. Hall. 2,638,383, May 12.
Apparatus for the production of integral bla
wheels and the like units. R. J. Stuart
Gunderson. 2,645,161, July 14.
Apparatus for the production of metal powde
Golwynne. 2,638,626, May 19.
Apparatus for the production of mineral woo
Hawthorne, Jr., and C. T. Sauers. 2,626,42
Apparatus for the production of music. B. F.
2,656,755, Oct. 27.
Apparatus for the production of screw threads
of pressing rollers. F. Erdelyi. 2,651,224,
Apparatus for the production of wrapped artic
Brandenberger. 2,625,776, Jan. 20.
Apparatus for the purification of calcium. R.
2,650,085, Aug. 25.
Apparatus for the restitution of images. G. J.
2,647,317, Aug. 4.
Apparatus for the reproduction of optical recor
Kingston. 2,624,232, Jan. 6.
Apparatus for the retorting of oil shale and s
terials. J. G. Tripp, L. H. Brakel, and G.
2,658,061, Nov. 3.
Apparatus for the selection of seeds or similar
J. Musil. 2,650,704, Sept. 1.
Apparatus for the selective burning of different
ous fuels embodying a common burner eleme
Reichelderfer. 2,661,157, Dec. 1.
Apparatus for the selective injection of fluids
logical formations. L. A. Ogden, J. R. McCl
L. L. McDonald. 2,643,208, June 23.
Apparatus for the stabilization of ivory. E. J.
and R. L. Brejoux. 2,660,723, Dec. 1.
Apparatus for the support and sectionizing of c
R. Polk, Sr., and R. Polk, Jr. 2,627,884, Feb
Apparatus for the transfusion of blood. H. H.
2,642,867, June 23.
Apparatus for the transmission of alarm s
Chauveau. 2,644,937, July 7.
Apparatus for the transmission of current puls
tions, particularly for teletyping. O. Moser.
Oct. 27.
Apparatus for the transportation of pulpwoo
like. H. F. Wahl. 2,643,012, June 23.
Apparatus for the treatment of textile mater
vated temperatures. B. Steverlynck. 2,633
31.
Apparatus for the winding of endless ban
Buhrendorf. 2,642,281, June 16.
Apparatus for timing a balance wheel assem
Johnston and P. B. Wickham. 2,658,381, N
Apparatus for transferring and conveying arti
Kay. 2,646,869, July 28.
Apparatus for transferring and grouping parti
J. E. Wilske, J. P. Benoit, and F. A.
2,625,083, Jan. 13.
Apparatus for transferring fuel and other li
one aircraft to another in flight. C. H.
P. S. Macgregor. 2,634,927, Apr. 14.
Apparatus for translating and plotting log
drilling time charts. K. Ramsey. 2,638,67
Apparatus for transmitting and amplifying n
known frequency of oscillation and suppres
imposed motions of other frequencies of osc
Barradell-Smith and R. Davison. 2,637,167,
Apparatus for transmitting and receiving lig
C. Zwikker. 2,662,169, Dec. 8.
Apparatus for transmitting oscillatory motion
frequency and suppressing superimposed osc
tions of other frequencies. R. Davison and R
Smith. 2,637,168, May 5.
Apparatus for treating and bagging perlite a
E. O. Howle, R. W. Jackson, and N. M. Foster.
Nov. 17.
Apparatus for treating animals. D. O. Wendt.
Dec. 8.
Apparatus for treating carbonaceous materi
Clark. 2,655,470, Oct. 13.
Apparatus for treating chocolate or the li
Weygang and J. Swendsen. 2,638,329, May
Apparatus for treating continuous products.
2,628,627, Feb. 17.
Apparatus for treating continuous products.
2,649,099, Aug. 18.
Apparatus for treating food products. J.
2,625,095, Jan. 13.
Apparatus for treating gases with liquids. W.
2,661,197, Dec. 1.

Apparatus for treating granular material in a continuous process. P. Talmey and R. W. Landon. 2,638,837, May 19.

Apparatus for treating granular material in a continuous process. P. Talmey and O. R. Kuster. 2,638,838, May 19.

Apparatus for treating molasses. S. T. Hoyt. 2,626,055, Jan. 20.

Apparatus for treating paper stock. E. Cowles. 2,645,982, July 21.

Apparatus for treating potato chips during cooking. E. V. Wise, Sr. 2,633,793, Apr. 7.

Apparatus for treating pulp and resin mixtures. A. C. H. Weiss. 2,637,915, May 12.

Apparatus for treating strands with liquids. P. L. Pendleton and E. L. Sherman. 2,634,596, Apr. 14.

Apparatus for treating surfaces. C. G. Platt and W. E. Sabatka. 2,631,413, Mar. 17.

Apparatus for treating thread. H. A. Kuljian. 2,645,918, July 21.

Apparatus for treating webs of fabric. W. J. Koch. 2,624,190, Jan. 6.

Apparatus for treating wells. C. F. Bedford. 2,642,139, June 16.

Apparatus for treating wells. I. A. Miller. 2,649,915, Aug. 25.

Apparatus for treating wood pulp. J. T. Coghill and H. S. Hill. 2,646,728, July 28.

Apparatus for treating yarn. E. A. Wentz. 2,628,405, Feb. 17.

Apparatus for treatment of polyamide fabrics. N. A. Long, L. T. Carter, H. W. Lindley, L. B. Stadler, and W. L. Fogleman. 2,654,162, Oct. 6.

Apparatus for treatment of strands. W. T. R. Kinraide. 2,631,385, Mar. 17.

Apparatus for treatment with liquids. T. J. Kearney and F. E. McGregor. 2,656,652, Oct. 27.

Apparatus for trimming and notching signatures. R. E. Fogg. 2,646,726, July 28.

Apparatus for trimming wrapped objects. W. F. Lilley, J. E. Snyder, and J. F. Stalter. 2,649,909, Aug. 25.

Apparatus for truing and tensioning of spokes of wire wheels. A. P. Douglas. 2,633,907, Apr. 7.

Apparatus for turning containers. A. M. Olson and G. W. Baker. 2,656,033, Oct. 20.

Apparatus for turning slender work. M. R. Karge. 2,635,499, Apr. 21.

Apparatus for turning stockings and the like. F. A. Landucci and E. I. Rusted. 2,657,841, Nov. 3.

Apparatus for type composition. G. E. Canham. 2,664,038, Dec. 29.

Apparatus for underwater seismic operations. J. P. Woods. 2,627,930, Feb. 10.

Apparatus for uncoiling sheet metal. H. D. Miller and J. C. Holdgate. 2,653,643, Sept. 29.

Apparatus for uncurling fabric edges. J. H. Pope and N. W. Carter. 2,650,413, Sept. 1.

Apparatus for uniform distribution and contacting of subdivided solid particles. D. J. Bergman. 2,651,565, Sept. 8.

Apparatus for uniting a plurality of metal parts by melting metal. R. C. Mann and R. A. MacDonald. 2,625,897, Jan. 20.

Apparatus for unloading continuous baking ovens. A. A. Holbeck. 2,649,058, Aug. 18.

Apparatus for use in determining the ultimate tensile strength of steel under impact conditions. A. C. Vivian. 2,660,880, Dec. 1.

Apparatus for use in making geophysical explorations. A. A. Brant. 2,653,990, Sept. 29.

Apparatus for use in making insoles. G. F. C. Burke. 2,639,447, May 26.

Apparatus for use in measuring surface tension. N. B. Colthup and R. E. Torley. 2,654,243, Oct. 6.

Apparatus for use in surgery and in administering anesthetics. J. E. Krewson. 2,628,803, Feb. 17.

Apparatus for use in telephone or like communication systems. K. Stanbury. 2,655,557, Oct. 13.

Apparatus for use in the delivery of liquids from containers. B. J. Todd, R. E. Turner, and R. E. Broberg. 2,643,800, June 30.

Apparatus for use in the production of plate gauges or other platelike elements having a predetermined edge contour. G. C. J. Legg and W. C. H. Crook. 2,629,282, Feb. 24.

Apparatus for use in unwinding yarn. P. W. Markwood. 2,650,042, Aug. 25.

Apparatus for using waste heat from heat engines for evaporation of water. A. M. Impagliazzo. 2,643,974, June 30.

Apparatus for utilizing a beam of high energy electrons in sterilization and in therapy. E. A. Burrill. 2,640,948, June 2.

Apparatus for vacuum filling of containers. S. J. Busby. 2,654,523, Oct. 6.

Apparatus for vacuum firing of porcelain dental articles. N. Gold. 2,636,915, Apr. 28.

Apparatus for vaporization and combustion of hydrocarbon distillates. E. C. Hyatt, L. L. Lyon, Jr., and W. R. Swanson. 2,661,054, Dec. 1.

Apparatus for vaporizing liquid fuel. A. B. Newton. 2,657,744, Nov. 3.

Apparatus for vaporizing liquid hydrocarbons. C. A. French. 2,637,637, May 5.

Apparatus for viewing or projecting colored slides or transparencies. E. B. Cook. 2,645,869, July 21.

Apparatus for visual inspection of bottled goods. G. P. Stout, A. C. Powell, and F. J. Taylor, Jr. 2,646,715, July 28.

Apparatus for washing clothes and centrifugally extracting liquid therefrom. T. E. D. Bilde and R. B. J. Hultberg. 2,655,023, Oct. 13.

Apparatus for waving hair. J. A. Swenson, W. E. Burns, and R. H. Stead. 2,648,339–40, Aug. 11.

Apparatus for weighing and packaging materials. H. G. Allen and H. A. Smith. 2,634,085, Apr. 7.

Apparatus for weight classification. N. G. Maloney. 2,661,091, Dec. 1.

Apparatus for welding a terminal clip to a wire. J. S. Burge, F. J. Foust, W. C. Shaw, W. M. Rider, and H. J. McKee. 2,637,798, May 5.

Apparatus for wet-treating fibrous matters. S. E. E. Ahlfors. 2,653,521, Sept. 29.

Apparatus for wet treatment of a continuous wide strip of fabric. C. G. Hanhart. 2,663,177, Dec. 22.

Apparatus for widening roadways. J. R. Breeden. 2,660,937, Dec. 1.

Apparatus for winding. R. H. Roughsedge. 2,663,067, Dec. 22.

Apparatus for winnowing tea. H. Sutherland. 2,629,491, Feb. 24.

Apparatus for wire springs. S. G. Blumensaadt. 2,643,758, June 30.

Apparatus for wrapping flexible bands. A. D. Valiquet. 2,624,166, Jan. 6.

Apparatus for wrapping one length of material with another. R. G. Plata and A. Ramos. 2,628,464, Feb. 17.

Apparatus for wrapping strands on terminals. R. E. Bennett. 2,635,819, Apr. 21.

Apparatus having compound motion carpet engaging means for beating carpets or rugs. J. D. Conway. 2,645,799, July 21.

Apparatus particularly adapted for orientating hollow articles of relatively greater length than width and of substantially straight longitudinal axis and having one end open and the other end at least substantially closed. I. F. Stewart. 2,630,221, Mar. 3.

Apparatus to promote controlled freezing. L. G. Taylor. 2,633,006, Mar. 31.

Apparatus to remove tires from rims by vibration. M. O. Qualen. 2,648,374, Aug. 11.

Apparatus to separate cottonseed from a neutralizing agent. R. L. Jackson. 2,646,170, July 21.

Apparatus which facilitates the cleaning of Venetian blinds. E. F. Hansam. 2,627,916, Feb. 10.

Apparel holder. A. M. Hartley. 2,631,734, Mar. 17.

Apparel holder for coat hangers. D. C. Kleist. 2,646,195, July 21.

Apparel rack. P. S. Hybertsen. 2,639,814, May 26.

Appetite satient composition, Therapeutic. E. A. Ferguson, Jr. 2,631,119, Mar. 10.

Appliance bracket. H. J. Kline. 2,636,708, Apr. 28.

Appliance for fitting valve spring collets. E. M. Arthur. 2,641,148, June 9.

Appliance for lapping flat annular surfaces or disks. R. A. Tobis. 2,649,669, Aug. 25.

Appliance for massaging and exercising human feet. R. F. Johnson. 2,638,088, May 12.

Appliance for positioning automobile body parts for repair operations thereon. W. H. Ferguson. 2,646,101, July 21.

Appliance for stropping or honing razor blades. W. H. Carter and A. W. B. Patch. 2,642,704, June 23.

Appliance for use in sharpening or resharpening safety-razor blades. A. L. Walton. 2,650,457, Sept. 1.

Appliance on typewriting, calculating, or bookkeeping machines for positioning and adjusting a top sheet in front of one or more basic sheets. K. Endrich. 2,649,950, Aug. 25.

Application of hair-simulating fiber. M. Seiderman. 2,636,460, Apr. 28.

Application of plastic substances to biscuits and the like articles. A. Derbyshire and J. F. Naylor. 2,657,646, Nov. 3.

Application of thermoplastic tape. F. W. Holt, Jr., D. E. Bench, and W. Ernst. 2,625,287, Jan. 13.

Applicator. F. E. Brown. 2,641,254, June 9.

Applicator and scalp massager and container therefor, Combined. L. G. Peretti. 2,633,845, Apr. 7.

Applicator for sealing packages. H. G. Holtz. 2,649,072, Aug. 18.

Applicator for semisolid stick material. F. E. Brown. 2,626,847, Jan. 27.

Applicator roller for liquids. P. F. Nash. 2,662,269, Dec. 15.

Applique ornament for fabrics. S. Casha. 2,629,195, Feb. 24.

Applying a completely polymerizable thermosetting resinous composition to an electrical member. N. C. Foster. 2,661,307, Dec. 1.

Applying a flux, Means of. N. O. Taylor. 2,641,560, June 9.

Applying artificial respiration, Means for. V. R. Bennett. 2,648,331, Aug. 11.

Applying brittle brazing material, Method and means for. O. P. Hadley. 2,645,006, July 14.

Applying coatings to edible tablets or the like. D. E. Wurster. 2,648,609, Aug. 11.

Applying coiled layers of raffia to the bottom of bowls, Means and method of. I. Bloom and J. Abrams. 2,641,299, June 9.

Applying covers to drawing rolls. E. J. Courtney. 2,647,536, Aug. 4.

Applying cutting liquids. R. J. S. Pigott. 2,653,517, Sept. 29.

Applying decoration and indicia to edible foods. C. L. Sunkel. 2,624,277, Jan. 6.

Applying decorative design to leather. A. A. Schoenberg and J. V. Hastings, III. 2,644,262, July 7.

Applying electron emission material, Method and apparatus for. W. P. Zabel. 2,664,361, Dec. 29.

Applying films on cathode-ray screens. M. Sadowsky. 2,644,770, July 7.

Applying foamed rubber latex to a permeable backing. V. Golden. 2,629,919, Mar. 3.

Applying garment tags. D. D. Sloan. 2,646,567, July 28.

Applying hard surfacing material to metal bodies. C. H. Elliott. 2,626,221, Jan. 20.

Applying ink to ethylene polymer surfaces. A. A. Pavlic. 2,639,998, May 26.

Applying inked indicia to a rubber article using an image reproducing film. A. L. Smith. 2,627,485, Feb. 3.

Applying inked indicia to a rubber balloon. A. L. Smith. 2,627,486, Feb. 3.

Applying liquids to fibers, Methods and apparatus for. R. D. Robinson and R. P. Jacques. 2,660,763, Dec. 1.

Applying oligodynamic silver and articles produced thereby. I. B. Romans. 2,653,893, Sept. 29.

Applying reaction plating. S. Kronthal. 2,631,949, Mar. 17.

Applying sealing bands to labyrinth packing disks, Means for. P. G. Lange and R. O. J. Möller. 2,655,584, Oct. 13.

Applying sealing spouts for lighter fluid cans. C. S. Allen. 2,660,355, Nov. 24.

Applying seeds to carriers, Method and apparatus for. J. D. Kinnear, Jr. 2,641,298, June 9.

Applying slide fastener elements to carriers of metal or wire mesh. L. Rappaport. 2,634,493, Apr. 14.

Applying wall finishes, Method and apparatus for. J. H. Reicherd. 2,648,887, Aug. 18.

Approach detection by high-frequency radiation. P. G. A. Nutzler. 2,646,559, July 21.

Apron. H. A. Greene. 2,629,871, Mar. 3.

Apron, Convertible. C. Greenwald. 2,629,101, Feb. 24.

Apron for center extension tables, Leaf storage and supplemental. A. De Gaal. 2,631,075, Mar. 10.

Apron with automatically adjustable belt. P. R. Swearingen. 2,655,659, Oct. 20.

Aquatic herbicide. N. M. Molnar and E. Segessemann. 2,636,815, Apr. 28.

Aqueous asbestos dispersion and producing same. G. D. Barbaras. 2,661,287, Dec. 1.

Aqueous caustic treat of iso-octyl alcohol. W. M. Smith. 2,626,284, Jan. 20.

Aqueous coating compositions from chlorinated emulsifier-stabilized latex. P. Ten Have. 2,663,747, Dec. 22.

Aqueous detergent solutions, Thickened. F. J. Pollok. 2,645,615, July 14.

Aqueous dispersions of butyl rubber-natural rubber blends. E. V. Anderson. 2,658,044, Nov. 3.

Aqueous emulsions of lipoid-soluble vitamins. M. R. Zentner. 2,628,930, Feb. 17.

Aqueous polyethylene dispersions produced by subjecting molten polymer in water to a high rate of shear. E. Hunter. 2,653,919, Sept. 29.

Aqueous synthetic resin dispersion for the production of nontacky and nonblocking films and coatings. H. E. Connors and A. L. Hatfield. 2,636,870, Apr. 28.

Aralkyl carbonates, Preparing. C. A. Heiberger. 2,648,678, Aug. 11.

Aralkylated bis-phenolic compounds. H. J. Kehe and J. E. Jansen. 2,636,905, Apr. 28.

Aralkylated dihydroquinolines. J. R. Ingram. 2,626,253, Jan. 20.

Arbitrary function generator. R. P. Haviland. 2,656,101, Oct. 20.

Arbor and support for power-driven rotary tools, Combination. H. G. Yetter. 2,660,205, Nov. 24.

Arbor, Locking. F. K. Carlson. 2,652,738, Sept. 22.

Arbor, Tool-mounting. G. J. Towle. 2,656,190, Oct. 20.

Arbor, Winding. H. R. Longfellow. 2,655,322, Oct. 13.

Arc chute. C. J. Ridgley. 2,643,314, June 23.

Arc chute for simultaneous arc distention in two directions. C. R. Peter. 2,635,158, Apr. 14.

Arc chute plate. W. H. Edmunds. 2,648,742, Aug. 11.

Arc chute utilizing interleaved U-shaped conductive members. A. E. Herman. 2,632,074, Mar. 17.

Arc chute with notched barrier plates. T. G. A. Sillers. 2,655,578, Oct. 13.

Arc chute with slotted and perforated barrier plates. D. E. Weston. 2,652,469, Sept. 15.

Arc lash analyzer by cathode-ray tube. W. R. Baker. 2,624,860, Jan. 6.

Arc lamp. A. J. Hatch. 2,656,482, Oct. 20.

Arc lamp carbon mechanism. C. N. Batsel. 2,628,324, Feb. 10.

Arc lamp cooling device. C. S. Ashcraft. 2,651,786, Sept. 8.

Arc lamp regulating device. E. Gretener. Dec. 15.

Arc quenching device for electric contactors. H. nett. 2,626,331, Jan. 20.

Arc welding apparatus. R. L. Evans. 2,632,081

Arc welding apparatus, Inert gas-shielded. R. 2,645,703, July 14.

Arc welding electrode. L. A. De Pue. 2,636,101

Arc welding electrode. R. J. F. D. R. Mouton. Dec. 29.

Arc welding equipment, Alternating current. J. ham and L. H. H. Orton. 2,659,036, Nov. 10.

Arc welding machine. C. R. Moon. 2,646,493, J

Arc welding system. D. C. Girard. 2,634,355, A

Arc welding system, Automatic alternating cu F. Chouinard. 2,631,257, Mar. 10.

Arc welding system, Automatic metal. R. R. 2,636,102, Apr. 21.

Arc welding using a plurality of electrodes, M apparatus for. G. G. Landis and N. J 2,654,015, Sept. 29.

Arch dam. U. Finsterwalder. 2,631,434, Mar.

Arch, Embouchure. Z. Swanson. 2,637,239, Ma

Arch form for furnace roofs. E. E. McVey and J 2,642,163, June 16.

Arch structure, Knockdown. A. Dietrich. Aug. 4.

Arch support. W. M. Scholl. 2,633,130, Mar.

Arch support and making same. M. M. and J. J 2,653,396, Sept. 29.

Archer's bow, Metal. H. F. Lake. 2,664,079, I

Archery sight. B. E. Fredrickson. 2,642,661,

Arcless controlling switch. A. P. Gauvreau. Sept. 1.

Arcuate roller conveyer for cables. H. A. Bell. Feb. 24.

Area measuring device. H. D. and M. I. 2,649,573, Aug. 18.

Arginase, Producing. V. Vrat. 2,663,668, Dec

Argon gas feed apparatus for electrodes. W. T. 2,630,513, Mar. 3.

Arithmetical device for writing instruments. 2,646,220, July 21.

Arm and leg rest, Adjustable. W. M. Eul 2,630,288, Mar. 3.

Armchair, Folding. J. G. Barsness. 2,652,884

Armchair, Folding. J. Lee. 2,652,100, Sept. 15.

Armchair, Rolling. A. H. Lussier. 2,627,895,

Arm for recording and reproducing apparatus, Ghilini. 2,643,886, June 30.

Armrest. F. W. Cawthon. 2,658,560, Nov. 10.

Armrest. M. J. Reed. 2,633,180, Mar. 31.

Armrest and brace for composite metal and w J. S. Burdick. 2,652,102, Sept. 15.

Armrest and weather strip device for autom windows. C. M. Shapiro. 2,633,380, Mar.

Armrest attachment for vehicle seats. D. 2,650,650, Sept. 1.

Armrest device, Portable. H. Glauber. 2,642 16.

Armrest for automobile doors. H. F. Bushong. Dec. 1.

Armrest for automobiles. S. Diamond. June 23.

Armrest for beds. S. Bendersky. 2,658,211,

Armrest for motor vehicles. N. S. Beebe. 2,65 10.

Armrest shield, Detachable. W. E. Jeckell. Mar. 31.

Arm support for operating beds. A. M. 2,642,250, June 16.

Arm watch protector. J. V. Thompson. Aug. 18.

Arming device. A. S. Clarke. 2,630,068, Mar.

Arming mechanism, Delayed. P. H. Thompson. Dec. 22.

Armature loading and position indicating app Herzog. 2,633,565, Mar. 31.

Armored skirt for tanks. J. S. Dandini. 2,63 20.

Aromatic aldehydes, Preparation of. T. W. Ca G. M. Coppinger. 2,628,256, Feb. 10.

Aromatic-alkene copolymers of less than fiv aromatic content. W. J. Sparks and D. 2,656,340, Oct. 20.

Aromatic amines, Stabilized. A. L. Linch. Oct. 13.

Aromatic amino hydroxy acid, Production Doub. 2,640,854, June 2.

Aromatic ester amides. E. W. Gluesenkamp. Jan. 6.

Aromatic-free mineral oil rust inhibiting co T. W. Dixon and L. W. Sproule. 2,637,703,

Aromatic halosilanes. A. J. Barry. 2,626,269

Aromatic hydrocarbons, Preparation of. W. 2,653,175, Sept. 22.

Aromatic hydrocarbons, Production of. A. G. G. A. Mills. 2,636,909, Apr. 28.

Aromatic hydroperoxides, Production of. F. Jr. 2,633,476, Mar. 31.

Aromatic hydroxy acid compounds and pro same. M. Sullivan and C. K. Banks. 2,63 31.

Aromatic keto alcohols, Preparation of. J. M. Butler. 2,634,294, Apr. 7.
Aromatic mercury halides, Preparation of. O. Daněk and J. Nošek. 2,650,238, Aug. 25.
Aromatic nitrogen compounds. A. S. Du Bois and E. I. Valko. 2,636,036, Apr. 21.
Aromatic substituted halo-butynes. A. L. Barney and P. S. Pinkney. 2,657,244, Oct. 27.
Aromatics and saturated aliphatics, Production of. A. Voorhies, Jr. and C. E. Adams. 2,626,286, Jan. 20.
Aromatics from petroleum, Production of. L. H. Beckberger. 2,653,176, Sept. 22.
Aromatization reforming and catalysts for effecting the same. W. H. Lang, W. A. Stover, and C. L. Gutzeit. 2,658,858, Nov. 10.
Arrangement and construction of gasoline tanks. J. Müller. 2,660,348, Nov. 24.
Arrangement for converting direct voltages into alternating voltages. K. Posthumus. 2,650,340, Aug. 25.
Arrangement for flexible stuffing boxes. C. A. Eaton. 2,624,599, Jan. 6.
Arrangement for indicating the rate of change of a physical effect. W. L. Garfield. 2,645,755, July 14.
Arrangement for providing corrections in ground-position-indicating systems. B. Chance. 2,652,979, Sept. 22.
Arrangement for recording variations in the electrical resistance of the human body. W. Holzer and A. Marko. 2,661,734, Dec. 8.
Arrangement for repacking valve stems under pressure. A. S. Volpin. 2,647,721, Aug. 4.
Arrangement for single-channel time sharing. L. A. Dorff. 2,662,974, Dec. 15.
Arrangement for the formation and beating up of the wefts in circular weaving looms. J. Dunod. 2,659,393, Nov. 17.
Arrangement for the safety grounding of vehicles with rotating mass drive. B. Storsand. 2,626,673, Jan. 27.
Arrangement in a screw press for squeezing out water. R. K. E. Wilén and H. S. Wiklund. 2,658,445, Nov. 10.
Arrangement in air blast circuit breakers. H. Forwald. 2,635,159, Apr. 14.
Arrangement in bookkeeping machines. O. K. A. Hägerström. 2,643,054, June 23.
Arrangement in electric air blast circuit breaker. H. Forwald. 2,632,828, Mar. 24.
Arrangement in electric air blast circuit breaker. H. Forwald. 2,643,315, June 23.
Arrangement in protecting relays for liquid-filled electrical apparatus. E. Stenkvist and E. Gudmundsson. 2,638,120, May 12.
Arrangement in spinning regulators. A. Jansö and A. Sand. 2,652,681, Sept. 22.
Arrangement in the distant control of typewriters. S. E. Stålbecker and S. B. Tibbling. 2,644,033, June 30.
Arrangement in transductor-controlled rectifier cooperating with storage battery and load. A. Arvidsson. 2,660,702, Nov. 24.
Arrangement of electrodes for dielectric radio-frequency heating of nonconductors, for example, thermoplastic materials. T. von Hauteville. 2,660,660, Nov. 24.
Arrangement working with alternating current for equal angled and remote directed torsional adjustment. K. B. Palme. 2,632,137, Mar. 17.
Arrival and departure transportation indicator system. I. Molnar. 2,661,465, Dec. 1.
Arrowhead with resilient arms. C. J. Zwickey. 2,628,837, Feb. 17.
Arrow releasing device. H. J. Rose. 2,637,311, May 5.
Arrow shooter. H. G. Irwin. 2,664,078, Dec. 29.
Arsenite catalyst activator. H. L. Williams. 2,655,495, Oct. 13.
Art of and apparatus for molding brushes. N. T. Baldanza. 2,655,409, Oct. 13.
Arterial pulse wave velocity meter. C. Sheer. 2,658,505, Nov. 10.
Article and method of making fabric covered rods. J. Williams and A. Diamond. 2,644,776, July 7.
Article arranging apparatus. H. E. Stover. 2,629,481, Feb. 24.
Article carrier. E. L. Arneson. 2,634,043, Apr. 7.
Article carrier. E. L. Arneson. 2,661,140, Dec. 1.
Article carrier means for automobile trunks. A. F. Bernau. 2,660,349, Nov. 24.
Article cleaning machine. A. Kurt. 2,652,841, Sept. 22.
Article cleansing apparatus, Manual shaker-type. A. R. Randolph. 2,648,344, Aug. 11.
Article comprising coated polystyrene. L. L. Yaeger. 2,628,923, Feb. 17.
Article display case. N. A. Simos. 2,637,614, May 5.
Article elevating caster mounting. R. G., Jr., and J. P. Ross. 2,663,048, Dec. 22.
Article escapement mechanism for conveyers. S. T. Carter. 2,638,202, May 12.
Article feed controller. O. Sandberg. 2,649,951, Aug. 25.
Article feeding apparatus. C. Herzog. 2,642,978, June 23.
Article feeding mechanism. J. M. Schmied. 2,656,085, Oct. 20.
Article feeding mechanism with separator means actuated by feeding means. H. Baker. 2,657,049, Oct. 27.
Article for packaging materials. C. W. Vogt. 2,628,013, Feb. 10
Article for welding stainless steel. P. S. Viles. 2,639,362, May 19.
Article handling and timing device. A. J. Lippold. 2,630,203, Mar. 3.
Article handling and transfer apparatus. A. A. Kottmann. 2,632,551, Mar. 24.
Article-handling apparatus. W. L. Ames and F. W. Hennessey. 2,660,287, Nov. 24.
Article handling apparatus. L. F. Ashford. 2,661,100, Dec. 1.
Article handling apparatus. M. O. Hansen. 2,660,288, Nov. 24.
Article handling apparatus. T. R. Hughes. 2,652,931, Sept. 22.
Article-handling machine. O. P. Lance. 2,647,616, Aug. 4.
Article handling machine. J. P. Murdoch and A. J. Faulhaber. 2,656,656, Oct. 27.
Article handling machine. E. J. Newcomer. 2,632,681, Mar. 24.
Article handling machine. W. M. Parry. 2,646,870, July 28.
Article handling mechanism. O. Sandberg. 2,653,433, Sept. 29.
Article holder. J. F. Kelly. 2,642,190, June 16.
Article holder. L. W. Stevenson. 2,630,640, Mar. 10.
Article holder. M. Weinberger. 2,638,297, May 12.
Article holder, including coacting gripping fingers. C. R. Bradley. 2,636,615, Apr. 28.
Article holding device. J. Malkin. 2,631,663, Mar. 17.
Article isolating and shock absorbing shipping container. H. G. Beck. 2,660,295, Nov. 24.
Article of footwear embodying flock-coated outsole. A. G. Giese, Jr. 2,663,097, Dec. 22.
Article of furniture. J. V. Hadley. 2,655,420, Oct. 13.
Article of furniture. K. M. Jacobs. 2,655,983, Oct. 20.
Article of furniture, Reclining. A. Lorenz. 2,655,200–1, Oct. 13.
Article of furniture, Reclining. A. Lorenz. 2,661,048, Dec. 1.
Article of furniture, Reclining. A. Lorenz. 2,662,582, Dec. 15.
Article of repose for supporting the body of a person. A. Lorenz. 2,663,356, Dec. 22.
Article of repose for supporting the body of a person. A. Lorenz. 2,663,358, Dec. 22.
Article of repose for supporting the body of a person. J. Luckhardt. 2,660,225, Nov. 24.
Article packages, Making small. W. Kraus. 2,637,152, May 5.
Article packaging machine. J. A. Dreher. 2,637,959, May 12.
Article retaining clamp. C. B. Hall. 2,625,360, Jan. 13.
Article retaining means for vehicle instrument panels. M. Mayer. 2,643,042, June 23.
Article separating mechanism. J. W. Cox. 2,640,606, June 2.
Article sorting device. C. F. Anderson. 2,646,805, July 28.
Article stacking apparatus. A. L. Eshelman. 2,637,450, May 5.
Article support. M. C. Davidson. 2,664,209, Dec. 29.
Article support. E. W. Pierle. 2,656,933, Oct. 27.
Article suspension means. L. G. Meyers. 2,631,803, Mar. 17.
Article timing and indexing mechanism. J. S. Bozek. 2,630,904, Mar. 10.
Article transfer for bakery conveyer system. J. L. Atwood. 2,639,800, May 26.
Article transfer for carton taping machines. A. B. Rader. 2,659,474, Nov. 17.
Article transfer for conveyer organization. G. Schroenghamer. 2,640,578, June 2.
Article transfer mechanism for bread wrapping machines. E. G. Schrage. 2,649,675, Aug. 25.
Article-traying unit. J. B. Albino. 2,628,754, Feb. 17.
Article wall hanger. R. C. Nye. 2,663,530, Dec. 22.
Article with passages. L. Cangemi. 2,644,665, July 7.
Articles and their manufacture, Bonded. H. F. West and J. H. Veale. 2,660,535, Nov. 24.
Articles from polyethylene films, Manufacture of. G. W. Heller. 2,664,378, Dec. 29.
Articles from synthetic resinous materials, Production of. C. G. Evans and A. Baker. 2,639,258, May 19.
Articles of calcium-carbon boride. E. C. Lowe. 2,647,061, July 28.
Articles of improved water resistance from urea-formaldehyde resins, Production of. D. E. Cordier and W. D. Williams. 2,652,375, Sept. 15.
Articles, such as valved bags, made of waterproof laminated fabric, Manufacture of. N. E. Weeks. 2,652,088, Sept. 15.
Articulated blade. F. M. Le Compte and E. S. Bucher. 2,631,680, Mar. 17.
Articulated connection for shaker conveyers. E. R. Bergmann. 2,654,467, Oct. 6.
Articulator. A. Shmukler and H. Bronstein. 2,644,233, July 7.
Artificial arm. C. R. Grindle and F. I. Saemann. 2,626,398, Jan. 27.
Artificial arm with stepped-up wrist drive and automatic wrist lock. G. M. Motis. 2,638,604, May 19.
Artificial bait. H. H. and H. L. Walker. 2,647,340, Aug. 4.
Artificial bait and holder therefor, Illuminable. G. S. Schwartz. 2,638,697, May 19.

Artificial body bulge. R. Freedman. 2,636,182, Apr. 28.
Artificial breathing machine. K. B. Wolfe. 2,629,227, Feb. 24.
Artificial crystal for polarization of electromagnetic waves. G. Valensi. 2,643,336, June 23.
Artificial denture and manufacture. E. J. Vaillancourt. 2,640,265, June 2.
Artificial eye. R. E. Busch. 2,643,392, June 30.
Artificial eye. F. W. Jardon and A. D. Ruedemann. 2,629,877, Mar. 3.
Artificial eye and attaching same. E. D. Clarke. 2,634,423, Apr. 14.
Artificial eye and controlling apparatus. E. P. Rosen and E. H. Erickson. 2,661,480, Dec. 8.
Artificial eye and implant. E. L. and J. H. Allen. 2,653,327, Sept. 29.
Artificial eyes, Making. A. Yuhas. 2,635,290, Apr. 21.
Artificial femoral head having an X-ray marker. H. G. R. Drew. 2,650,588, Sept. 1.
Artificial fibers of polymeric materials, Production of. C. H. Bamford, W. E. Hanby, and F. Happey. 2,628,886, Feb. 17.
Artificial filament. G. Shaw. 2,637,893, May 12.
Artificial filaments, Production of. L. A. Bashford and G. Doubleday. 2,645,556, July 14.
Artificial fog generator. W. J. Besler. 2,630,412, Mar. 3.
Artificial foot. A. Grisoni. 2,644,165, July 7.
Artificial hand. D. B. Becker. 2,631,295, Mar. 17.
Artificial hand. J. Sargeson. 2,652,570, Sept. 22.
Artificial hand. H. J. Snethun. 2,629,106, Feb. 24.
Artificial hand locking mechanism. D. B. Becker. 2,629,107, Feb. 24.
Artificial intraoral veneer and process of producing anatomically colored and contoured restorations utilizing same. N. Ingersoll, Jr. 2,659,970, Nov. 24.
Artificial leather. R. D. Thompson, S. W. Alderfer, and A. Bosshard. 2,629,678, Feb. 24.
Artificial leaves of plants, Manufacture of. G. Casals. 2,639,533, May 26.
Artificial leg. T. C. O'Gorman. 2,634,424, Apr. 14.
Artificial leg, Fluid-cushioned. J. Haller. 2,657,393, Nov. 3.
Artificial limb. C. Woodall. 2,629,105, Feb. 24.
Artificial limb knee structure. L. H. Barghausen. 2,645,779, July 21.
Artificial lure. A. G. Boyce. 2,655,757, Oct. 20.
Artificial protein threads, fibers, filaments, and the like, Production of. F. Happey and R. L. Wormell. 2,649,357, Aug. 18.
Artificial snow composition, Self-spraying. R. J. Kerr. 2,659,704, Nov. 17.
Artificial stone wall facing. F. Bouch. 2,643,539, June 30.
Artificial teeth. M. Budish. 2,643,455, June 30.
Artificial threads, films, and the like, Production of. L. A. Bashford and G. Doubleday. 2,632,686, Mar. 24.
Artificial threads from viscose, Manufacture and production of. J. Wharton. 2,628,885, Feb. 17.
Artificial threads from viscose, Manufacture and production of. J. Wharton and R. B. Hall. 2,645,555, July 14.
Artificial tooth and forming the same. J. O. Whiteley, Jr., and C. S. Fritz. 2,654,949, Oct. 13.
Artificial window. R. L. Pierce. 2,654,827, Oct. 6.
Artificially curled feather. N. B. Edelman. 2,630,947, Mar. 10.
Artist's box. I. Brooks and A. Friedberg. 2,648,933, Aug. 18.
Artist's palette. G. Bergen. 2,656,633, Oct. 27.
Aryl haloalkanes, Preparation of. L. Schmerling. 2,631,172, Mar. 10.
Aryl mercuric fungicide and using the same. R. A. Dinerstein. 2,637,677, May 5.
Aryl tetracarboxylic acid anhydrides, Production of. R. J. Miller. 2,625,555, Jan. 13.
Arylacetaldehydes, Production of A. R. Sexton and E. C. Britton. 2,628,255, Feb. 10.
Arylaminoacedianthrone isothiouronium salts. F. Lodge and J. Wardleworth. 2,655,515, Oct. 13.
Arylaminomethylenemalonates, Preparing. S. A. Glickman. 2,638,480, May 12.
Arylenethiazole vulcanization accelerators, Preparation of. D. J. Beaver. 2,649,457, Aug. 18.
Arylhalosilanes, Production of. A. J. Barry. 2,626,266–7, Jan. 20.
Aryloxyacetates of basically substituted arylalkanols and derivatives thereof. J. W. Cusic. 2,628,973, Feb. 17.
Aryloxybenzaldehydethiosemicarbazones. H. Schmidt, F. Mietzsch, and R. Behnisch. 2,657,235, Oct. 27.
Asbestos dispersion and forming same. I. J. Novak. 2,626,213, Jan. 20.
Asbestos dispersions. I. J. Novak. 2,652,325, Sept. 15.
Ascertaining time of explosion, Method and apparatus for. D. M. McFarland. 2,660,716, Nov. 24.
Ascertaining true size of photofluorographically recorded objects irrespective of enlargement or reduction, Method of and apparatus for. K. G. Catlin. 2,650,308, Aug. 25.
Aseptic package with steam permeable seal. B. D. Morgan. 2,627,341, Feb. 3.
Ash collector, Boiler tube fly. C. E. Miller. 2,647,588, Aug. 4.
Ash container. D. L. Getz. 2,637,285, May 5.
Ash handling system for high-pressure combustion of pulverized solid fuels. J. I. Yellott. 2,654,218, Oct. 6.
Ash receiver. J. Visser. 2,652,944, Sept. 22.
Ash receiver and snuffer, Pocket cigarette. L. F
2,636,532, Apr. 28.
Ash receiver for personal use, Portable. E. A. S
2,645,229, July 14.
Ash receiver with mounting plate. E. S.
2,639,055, May 19.
Ash receptacle for vehicles. A. Smereck. 2,657,0
27.
Ash tray. L. R. Buroker. 2,626,615–16, Jan. 27.
Ash tray. C. Q. Cadman. 2,644,601, July 7.
Ash tray. H. P. Forton. 2,661,006, Dec. 1.
Ash tray. G. A. Lyon. 2,662,532, Dec. 15.
Ash tray. J. Morrison. 2,638,905, May 19.
Ash tray. H. C. Van Over and R. A. Sibio. 2,
Jan. 20.
Ash tray adapter. F. A. Vollender, Jr. 2,647,523
Ash tray and smoking set, Bell. J. P. Nesvig. 2,
Mar. 31.
Ash tray for automotive vehicles, Pneumatic. T.
2,656,039, Oct. 20.
Ash tray for match packs, Detachable. R. H.
2,627,971, Feb. 10.
Ash tray for vehicles. H. E. Stock. 2,641,264.
Ash tray, Self-dumping. G. J. Conrad. 2,652,8
22.
Ash tray, Smoke siphoning. G. M. Breidert. 2
July 7.
Ash tray, Thermostatically controlled. M.
2,644,468, July 7.
Ash tray with spinning closure. L. H. Morin. 2
Nov. 17.
Asparagus fern cutter. R. M. Allred. 2,625,782.
Asphalt blowing. W. W. Kraft. 2,661,323, Dec.
Asphalt building board. J. Miscall. 2,626,872, J.
Asphalt composition. V. C. Irvine and H. J.
2,635,966, Apr. 21.
Asphalt composition. N. E. Lemmon and R.
2,632,712, Mar. 24.
Asphalt composition and preparing the same.
derson. 2,649,384, Aug. 18.
Asphalt cutbacks. J. W. Romberg and R. N.
2,661,300, Dec. 1.
Asphalt emulsion. W. G. Craig. 2,652,341, Sep
Asphalt impregnated floor covering, Making. F.
ler. 2,631,946, Mar. 17.
Asphalt pavement. J. C. Roediger. 2,638,823.
Asphalt, Production of. C. A. Kraus and D.
2,663,672, Dec. 22.
Asphalt spreading device. F. G. Gramatky.
Nov. 17.
Asphaltic-composition application. D. N.
2,636,834, Apr. 28.
Aspirating trocar. E. R. Rice. 2,642,873, June
Aspiration pyrometer. J. F. Quereau and A. F
2,627,182, Feb. 3.
Aspirator. L. B. Woodruff, J. D. Alcorn, and H
merstrom. 2,642,813, June 23.
Assemblage for exerting a clamping force. P.
ardson. 2,660,264, Nov. 24.
Assembler and carton filler, Selective. P. E.
2,630,951, Mar. 10.
Assembler control equipment for type line ca
chines. J. R. Brougher. 2,626,043, Jan. 20.
Assembling an air filter panel. K. F. Russell.
May 19.
Assembling and gluing for interlocking conta
N. Burnett. 2,651,153, Sept. 8.
Assembling and insulating flat dry cells. R.
2,645,676, July 14.
Assembling and structure for motor stators. M
man. 2,631,251, Mar. 10.
Assembling apparatus. A. R. Willard, C. R. G
C. Haak, Jr., and C. A. Young. 2,652,933, Se
Assembling ball bearing wheel structures. T. E
2,624,104, Jan. 6.
Assembling bearing elements. E. H. Olmstead.
Apr. 7.
Assembling continuous-form stationery. L
2,625,391, Jan. 13.
Assembling electric circuit components, Means a
for. G. G. Bruck. 2,647,224, July 28.
Assembling elevator lift mechanism. F. N. McC
2,625,258, Jan. 13.
Assembling filter elements. R. R. Layte. 2,66
22.
Assembling flexible tubing upon mandrels, Met
apparatus for. J. A. Dorner. 2,645,004, Jul
Assembling lenses in spectacle frames. A.
2,631,959, Mar. 17.
Assembling machine, Armature. M. E. Todd.
Mar. 17.
Assembling machine, Automatic. C. D. Spicer.
June 2.
Assembling machine, Automatic Venetian bli
Vodra. 2,635,333, Apr. 21.
Assembling machine, Spring unit. R. H
2,630,145, Mar. 3.
Assembling parts of gate valves. D. MacGregor.
Feb. 10.
Assembling phonograph translating devices.
Jr. 2,650,953, Sept. 1.

Assembling prefabricated building units in a building construction. V. J. Hultquist. 2,629,138, Feb. 24.
Assembling Venetian blinds. H. Nelson. 2,654,141, Oct. 6.
Assembling washers with fasteners, Method and machine for. M. H. Nielsen. 2,642,592, June 23.
Assembling washers with fasteners, Method and machine for. O. J. Poupitch. 2,642,593, June 23.
Assembly device, Body type. J. F. Murphy. 2,627,794, Feb. 10.
Assembly device for shock absorbers. K. R. Thompson. 2,645,846, July 21.
Assembly for clutches and brakes. T. L. Fawick. 2,662,625, Dec. 15.
Assembly machine. N. L. Turoff. 2,646,617, July 28.
Assembly outfit, Body type. J. F. Murphy. 2,627,795, Feb. 10.
Assessing transient stresses within bodies, Method and apparatus for. J. S. Stanton. 2,625,850, Jan. 20.
Assimilating machine, Shrimp. A. E. Waltman. 2,641,797, June 16.
Assister for hydraulic brake systems. G. E. Porter. 2,633,001, Mar. 31.
Assorting and forwarding mechanism. H. M. Noyes. 2,651,402, Sept. 8.
Astatic material. S. A. Simon and A. H. Drelich. 2,649,143, Aug. 18.
Astatic vehicle seat. S. A. Simon and A. H. Drelich. 2,627,901, Feb. 10.
Asymmetrical conductive element. R. Sueur, H. Welker, H. Mataré, and B. Bethge. 2,625,592, Jan. 13.
Atmosphere-type emulsion treater. A. P. and J. M. Musselwhite. 2,626,007, Jan. 20.
Atmospheric dust collector. E. G. Reid. 2,645,941, July 21.
Atomizer. D. J. Peepes. 2,624,621, Jan. 6.
Atomizer. H. Schneider. 2,649,334, Aug. 18.
Atomizer case. E. S. Tupper. 2,625,432, Jan. 13.
Atomizer, Centrifugal. D. D. Peebles and C. P. Turner. 2,661,984, Dec. 8.
Atomizer for burners, Oil. P. L. Knight. 2,635,009, Apr. 14.
Atomizer for spraying insecticide liquids and the like. C. Lilienthal. 2,637,596, May 5.
Atomizer head. F. R. Williams. 2,629,631, Feb. 24.
Atomizer, Liquid. J. E. Nyrop. 2,645,525, July 14.
Atomizer located upstream of a flame stabilizing baffle, Liquid fuel. J. Reid and A. G. Earl. 2,657,532, Nov. 3.
Atomizer or spraying device, Self-filling, hand-operated. N. C. Ingell. 2,655,407, Oct. 13.
Atomizing apparatus and dual firing rate oil burner embodying the same, Dual rate liquid. P. H. Bills, J. A. Logan, and T. J. Mesh. 2,634,805, Apr. 14.
Atomizing dispenser. E. S. Tupper. 2,631,064, Mar. 10.
Atomizing liquids, Method and apparatus for. P. M. van Bemmel and H. Milborn. 2,661,195, Dec. 1.
Atomizing oil burner and ignition means therefor. G. D. Smith. 2,625,990, Jan. 20.
Attaching clinch nuts to sheet metal members, Method of and apparatus for. L. Muchy. 2,652,942, Sept. 22.
Attaching clip. E. M. Carbary. 2,656,577, Oct. 27.
Attaching device for chair backs. M. R. Cohen. 2,630,857, Mar. 10.
Attaching frame for seat covers. A. J. Richards. 2,652,886, Sept. 22.
Attaching mats. A. L. Gustin, Jr. 2,649,627, Aug. 25.
Attaching means for electric connection boxes. J. E. and G. H. Dieffenderfer. 2,635,778, Apr. 21.
Attaching means for vehicle roof lining. R. N. Newman. 2,635,917, Apr. 21.
Attaching muzzle devices to guns, Method and apparatus for. E. B. Powell and F. A. Pachmayr. 2,662,266, Dec. 15.
Attaching storm shoes to garments, Means for. H. Fisher. 2,652,567, Sept. 22.
Attaching thread for glass bowls. J. L. Edelen. 2,661,966, Dec. 8.
Attachment assembly for live boxes. E. W. Keiser and A. F. Kieser. 2,663,533, Dec. 22.
Attachment for automobiles. R. Palazzolo. 2,628,812, Feb. 17.
Attachment for carburetors. E. L. Haynie. 2,647,735, Aug. 4.
Attachment for chairs and other structures. C. E. Choate. 2,650,651, Sept. 1.
Attachment for clothes hangers and like articles. M. B. Gwinn. 2,641,393, June 9.
Attachment for converting sleds to wheeled vehicles. A. V. Moffitt. 2,647,759, Aug. 4.
Attachment for end portions of soft fold collars. N. P. St. John. 2,659,891, Nov. 24.
Attachment for exercising machines. E. W. Brockman. 2,641,250–1, June 9.
Attachment for fastening articles to brushes, brooms, and the like. W. G. Legge. 2,638,618, May 19.
Attachment for fishhooks. J. W. Raymond. 2,632,278, Mar. 24.
Attachment for fishing reels. A. G. Morrison. 2,631,792, Mar. 17.
Attachment for garden rakes. H. E. Wale. 2,637,261, May 5.
Attachment for hay balers for distributing chemicals through hay during baling. E. D. Heisey. 2,642,793, June 23.
Attachment for Hollywood beds. A. L. Logan. 2,632,899, Mar. 31.
Attachment for impact wrenches. W. Viets. 2,634,642, Apr. 14.
Attachment for ironing boards. F. J. and A. T. Jacques. 2,636,294, Apr. 28.
Attachment for lathes. R. C. Palmer. 2,639,643, May 26.
Attachment for lawn mowers. C. J. Goeske. 2,639,572, May 26.
Attachment for line casting machines. J. F. Hazzard and G. R. Brusseau. 2,648,426, Aug. 11.
Attachment for making stitched hems. J. P. Enos. 2,627,239, Feb. 3.
Attachment for mechanically actuating the manually operable feed actuator shafts of machine tools. D. E. and W. N. Beckett. 2,625,844, Jan. 20.
Attachment for milling or slotting metal parts. S. M. Kulusic. 2,648,259, Aug. 11.
Attachment for paint cans. J. W. Tatter. 2,648,460, Aug. 11.
Attachment for pipe bits. F. H. Marland. 2,651,308, Sept. 8.
Attachment for plastic enclosures. A. M. Schwartz and J. T. Willoughby. 2,659,462, Nov. 17.
Attachment for pressing irons. A. F. W. Helmbold. Re. 23,736, Nov. 17.
Attachment for sewing machines. R. H. Eckardt. 2,625,127, Jan. 13.
Attachment for sewing machines, Buttonhole. H. H. Russell. 2,649,063, Aug. 18.
Attachment for shuffleboard game boards. B. E. Parmer. 2,628,103, Feb. 10.
Attachment for side delivery hay rakes. C. M. Benbow. 2,625,000, Jan. 13.
Attachment for silo filling machines. J. F. Raleigh. 2,650,136, Aug. 25.
Attachment for the handle of driven tool-equipped flexible shafts. P. A. Sigvathsen. 2,663,336, Dec. 22.
Attachment for twist drills. M. Marcucci. 2,661,642, Dec. 8.
Attachment for typewriters for making multiple copies by use of ribbon. C. G. Rice. 2,636,590, Apr. 28.
Attachment for V type snowplows. C. H. Frink and G. W. Kenyon. 2,663,098, Dec. 22.
Attachment for weaving high density fabrics. M. Mayer, Jr., and G. J. Kyame. 2,649,864, Aug. 25.
Attachment for vascular recording apparatus. C. A. Johnson. 2,634,611, Apr. 14.
Attachment for velocipedes. E. J. Tasset. 2,643,783, June 30.
Attachment for windshield wiper arms. I. Nesson. 2,632,195, Mar. 24.
Attachment for woodworking shapers. O. P. Smith. 2,645,256, July 14.
Attachment link for sprocket chains. S. T. Transeau. 2,625,830, Jan. 20.
Attachment of decorative balls between parallel tube elements of furniture. J. A. Kolbe. 2,661,968, Dec. 8.
Attachment plug. S. M. Weisberg. 2,627,537, Feb. 3.
Attachment nut. M. R. Westover. 2,649,884, Aug. 25.
Attachment structure for laboratory clamps. D. M. Smith. 2,638,301, May 12.
Attenuator for recording systems. C. H. Schlesman. 2,656,468, Oct. 20.
Attenuator for seismic gain control. L. B. McManis and J. R. Cooper. 2,663,002, Dec. 15.
Attenuator, Wave guide variable. S. Roberts. 2,646,551, July 21.
Attrition mill. E. C. Shaw. 2,626,757, Jan. 27.
Attritor for fibrous material. G. C. Yehling, Jr. 2,640,226, June 2.
Audience response indicating system. P. Schwerin. 2,629,645, Feb. 24.
Audio-frequency output control circuit. S. K. Webster. 2,630,498, Mar. 3.
Audio sweep frequency generator. G. A. Argabrite. 2,648,782, Aug. 11.
Audiometric apparatus. W. Grandjot. 2,663,377, Dec. 22.
Auger. J. F. Clayton and H. Lewis. 2,634,104, Apr. 7.
Auger bit. K. Kronwall. 2,627,292, Feb. 3.
Auger, Nonwinding header. S. C. Heth. 2,653,701, Sept. 29.
Auger, Soil. F. E. Fleming. 2,657,910, Nov. 3.
Augmented thrust pulse jet pump or motor and creating augmented thrust or suction. F. E. Null. 2,659,202, Nov. 17.
Augmenter for resojet motors, Synchronous. J. Y. Dunbar. 2,628,471, Feb. 17.
Augmenting and reflecting conical combustion chamber. R. H. Goddard. 2,630,680, Mar. 10.
Aureomycin for injection. B. K. Harned and R. W. Cunningham. 2,644,782, July 7.
Aureomycin ointment. R. L. Burkhart and J. J. Vance. 2,640,801, June 2.
Auto body repairing tool. E. A. Kristen. 2,651,276, Sept. 8.
Auto correlation. H. Hurvitz. 2,664,243, Dec. 29.
Auto door lock. H. J. Lin. 2,631,876, Mar. 17.
Auto park, Mechanical. F. J. Baume. 2,658,632, Nov. 10.
Autopilot. J. C. Newton. 2,646,946, July 28.
Autopilot control system. C. M. Young. 2,664,530, Dec. 29.
Auto stroller. A. Bulmash, I. J. Polansky, and N. C. Irby. 2,625,982, Jan. 20.

Autodyne converter. J. W. Christensen, J. V. Granger, and J. J. Wedel. 2,658,995, Nov. 10.
Automatic adjusting device. R. A. Goepfrich. 2,624,426, Jan. 6.
Automatic air bleed valve. C. E. Deardorff. 2,635,620, Apr. 21.
Automatic amplitude balancing circuits. W. P. Frantz. 2,651,033, Sept. 1.
Automatic apparatus for drying elongated dough products and the like. L. Bettini. 2,631,383, Mar. 17.
Automatic apparatus for injecting curing liquid into hog bellies and the like. N. J. Allbright and R. W. Illsley. 2,641,990, June 16.
Automatic apparatus for injecting curing liquid into hog bellies and the like. N. J. Allbright, R. W. Illsley, and B. S. Harrington. 2,645,172, July 14.
Automatic apparatus for the taking of liquid samples. E. H. Cox and H. B. Copeland. 2,656,724, Oct. 27.
Automatic blade angle control for helicopters. I. B. Laskowitz. 2,625,228, Jan. 13.
Automatic blending device for liquids. A. Blondel. 2,660,190, Nov. 24.
Automatic blow-down valve. W. B. Hollingbery. 2,661,014, Dec. 1.
Automatic boat pumping device. W. W. and J. E. Herrick. 2,624,305, Jan. 6.
Automatic brake. J. H. Prowinsky. 2,638,183, May 12.
Automatic bridge. R. A. Kempf. 2,625,587, Jan. 13.
Automatic car washer. D. R. Shusett and M. N. Berezny. 2,658,216, Nov. 10.
Automatic centering means for bearings. J. R. Gardner. 2,624,437, Jan. 6.
Automatic chain conveyer type poultry feeder. P. E. Wagner. 2,652,808, Sept. 22.
Automatic change-over. H. L. Norway and W. A. Perry. 2,626,628, Jan. 27.
Automatic choke air heater. J. Meinzinger and W. J. Voorheis. 2,653,588, Sept. 29.
Automatic chuck. W. F. Wilhelm and M. De Haas. 2,657,065, Oct. 27.
Automatic cigarette dispenser. C. H. Oerding. 2,655,418, Oct. 13.
Automatic clutch. E. W. Brown. 2,642,167, June 16.
Automatic clutch. W. T. Livermore. 2,663,393, Dec. 22.
Automatic clutch control means for press brakes. H. H. Goldberg. 2,626,030, Jan. 20.
Automatic code translating system. O. Cesareo. 2,625,328, Jan. 13.
Automatic conditioned air system with compensation for clogging filter. B. G. Copping. 2,656,112, Oct. 20.
Automatic consistency control means. L. D. McGlothlin. 2,626,786, Jan. 27.
Automatic control apparatus for centralized lubricating systems. H. R. Tear. 2,635,710, Apr. 21.
Automatic control device. L. Bescocca. 2,657,291, Oct. 27.
Automatic control for helicopters. E. G. Vanderlip. 2,650,046, Aug. 25.
Automatic control for internal-combustion gas turbines. R. R. Jamison and D. Reynolds. 2,629,984, Mar. 3.
Automatic control for wave form. B. E. Denton. 2,654,855, Oct. 6.
Automatic control mechanism for cotton harvesters. E. V. Briscoe. 2,660,015, Nov. 24.
Automatic control of slips of drill pipe strings of sounding holes. V. Edelberg. 2,662,737, Dec. 15.
Automatic control of the movement of picture-making equipment. J. T. Llerley. 2,649,835, Aug. 25.
Automatic control system. S. E. Frisbie, W. O. Smiley, and J. C. Frommer. 2,643,117, June 23.
Automatic control system for feedback turbines. R. J. Coar. 2,656,675, Oct. 27.
Automatic control system for well drilling. R. R. Crookston. 2,626,127, Jan. 20.
Automatic control unit for deep well jet pumps. T. S. Harris. 2,630,069, Mar. 3.
Automatic cosmetic dispenser. J. C. C. Yuan. 2,634,026, Apr. 7.
Automatic crankcase oil feed device. P. Bibko. 2,626,017, Jan. 20.
Automatic cutoff device. H. T. Booth. 2,656,855, Oct. 27.
Automatic cutoff valve. J. D. Fore. 2,650,863, Sept. 1.
Automatic cycle machine tool. H. C. Kemper and N. D. Cooper. 2,660,932, Dec. 1.
Automatic defrost actuator. C. S. Grimshaw. 2,624,180, Jan. 6.
Automatic device for controlling gas and air mixtures. F. C. Grimm, Jr. and D. K. Taylor. 2,648,809, Aug. 11.
Automatic device for mixing and feeding dyestuff to dyeing apparatus. S. Converse and C. M. McKeown. 2,630,002, Mar. 3.
Automatic differential gear transmission. W. M. Sublette. 2,625,840, Jan. 20.
Automatic differential lock. F. S. Nielsen. 2,624,216, Jan. 6.
Automatic dispensing machine with electric lights for controlling same. W. E. Saxe. 2,625,300, Jan. 13.
Automatic dispensing, weighing, and recording apparatus. W. E. Saxe. 2,664,260, Dec. 29.
Automatic distortion control. G. A. Bonadio. 2,634,339, Apr. 7.
Automatic drying control system. R. E. Hadady. 2,643,464, June 30.
Automatic electric water heater. L. L... 2,661,409, Dec. 1.
Automatic electrical and mechanical coupling. C... and C. A. Covington. 2,631,185 Mar. 10.
Automatic electronic error correction circuit. ... Bordewieck. 2,650,332, Aug. 25.
Automatic extinguishing and disposing ash tray ... mobiles. C. O. Endicott and W. W. Houser. ... Nov. 24.
Automatic feed mechanism for power presses and ... chines. C. E. Tullis. 2,657,046, Oct. 27.
Automatic feeder. L. P. Stoker. 2,657,784, No...
Automatic filling scale. W. E. Sachse. 2,626,121...
Automatic film advancer for roll film cameras ... and release means therefor. W. F. Horns. ... Oct. 20.
Automatic fishing pole rack. W. M. Smith. ... June 23.
Automatic fishing reel. W. A. Skarbek. 2,630,... 10.
Automatic fluid transfer valve. D. Perlman. ... July 7.
Automatic follow-up system. L. R. Philpott. ... Mar. 17.
Automatic frequency control. P. R. Bell, Jr. ... Jan. 27.
Automatic frequency control. H. L. Donley ... Keizer. 2,639,376, May 19.
Automatic frequency control. B. A. Trevor. ... June 30.
Automatic frequency control. C. Wentworth ... Donley. 2,640,918, June 2.
Automatic-frequency control apparatus for mai... predetermined-frequency difference between t... E. H. Hugenholtz. 2,662,181, Dec. 8.
Automatic frequency control for receiver-tr... C. E. Sharp. 2,644,077, June 30.
Automatic frequency control in pulse transmi... tems. H. G. Weiss. 2,647,994, Aug. 4.
Automatic frequency control system. L. Stasc... H. A. French. 2,654,032, Sept. 29.
Automatic friction type clutch. R. H. Shaddox. ... Nov. 24.
Automatic frozen confection making apparatu... and A. F. Eddy. 2,625,120, Jan. 13.
Automatic fuel feed control system for aircr... plants. F. W. Page and S. G. Hooker. 2,642... 16.
Automatic function control mechanism for acco... chines. T. M. Butler. 2,629,549, Feb. 24.
Automatic gain control circuit. A. Cottsw... 2,635,184, Apr. 14.
Automatic gain control circuit. V. L. Heeren. ... Oct. 18.
Automatic gain control circuit. C. E. Ingalls. ... Feb. 24.
Automatic gain control circuit. C. E. Ingalls ... Nichols. 2,653,229, Sept. 22.
Automatic gain control system. J. Avins. ... June 30.
Automatic gain control system. A. V. Bedford. ... May 5.
Automatic gate. Y. Ponsar. 2,654,089, July 14.
Automatic gathering valve. F. Mastnock. ... Apr. 7.
Automatic gun. M. M. Johnson, Jr. 2,655,83...
Automatic handling and hardness teating ... R. L. Sieggreen. 2,640,591, June 2.
Automatic head for machine tools. H. ... 2,641,938, June 16.
Automatic high-pressure valve. F. Fahnoe. ... Aug. 11.
Automatic hydraulic safety valve. F. J. Sloan. ... Feb. 24.
Automatic ice-making, Method of and apparat... Muffly. 2,656,689, Oct. 27.
Automatic ignition and control mechanism ... fuel burners. C. M. Mayer, R. L. Perl, and E. ... 2,637,393, May 5.
Automatic infinitely variable power transmiss... Clintsman. 2,655,056, Oct. 13.
Automatic laundering machine and pump driv... P. E. Geldhof. 2,660,043, Nov. 24.
Automatic level control. C. W. Harrison. ... Nov. 24.
Automatic lighting circuit. R. E. Hall. 2,64... 11.
Automatic lighting circuit. R. E. Hall. 2,66... 29.
Automatic livestock feeder. O. T. Hallum. ... Nov. 10.
Automatic lock. F. J. Borrup. 2,627,435, Fe...
Automatic lubricated plug valve. A. ... 2,647,720, Aug. 4.
Automatic lubrication. G. F. Scherer. 2,658,7...
Automatic lubricator for moving conveyer chai... moving mechanisms. W. C. Kiefer. 2,626,0...
Automatic machine for milling the ends of ha... like. R. G. Hall. 2,661,662, Dec. 8.
Automatic machine for molding pie shells f... G. R. M. Miller. 2,656,798, Oct. 27.
Automatic machine for turning wood heels. ... 2,631,621, Mar. 17.

Automatic machine tool. G. A. Cormier. 2,653,503, Sept. 29.
Automatic machine tool. D. H. Montgomery. 2,628,414, Feb. 17.
Automatic material feed control for cereal comminuting apparatus. F. Tanner. 2,656,121, Oct. 20.
Automatic means for making special cardboard containers. L. D. Overland and J. W. Levine. 2,643,591, June 30.
Automatic means for the movement of comminuted materials. J. R. Stephenson. 2,648,461, Aug. 11.
Automatic mechanical clearance regulator. F. W. Sward. 2,662,511, Dec. 15.
Automatic mechanism for winding bobbins, quills, and the like. R. A. Griefen. 2,624,519, Jan. 6.
Automatic multichannel selection. D. F. Hoth and R. O. Soffel. 2,641,757, June 9.
Automatic multichannel selection. D. F. Hoth and R. O. Soffel. 2,657,266, Oct. 27.
Automatic multiple cycle apparatus for machine tools. T. B. Buell and H. R. Leber. 2,630,038, Mar. 3.
Automatic multiple parachute disconnect device. J. L. Hight. 2,625,423, Jan. 13.
Automatic on and off control system for gas plants. C. MacSporran and O. L. Garretson. 2,640,768, June 2.
Automatic opening and closing tongs. J. T. Stone. 2,629,627, Feb. 24.
Automatic operation controller having predetermining means. H. Lindars. 2,656,109, Oct. 20.
Automatic paper-cutting machine. J. M. Shaw and L. I. Faus. 2,629,440, Feb. 24.
Automatic paraffin cutter. J. H. Williams. 2,636,565, Apr. 28.
Automatic parking meter. G. A. Hale. 2,625,250, Jan. 13.
Automatic parking meter. G. A. Hale. 2,631,710, Mar. 17.
Automatic partition strip feeding mechanism. S. E. Schroeder. 2,656,770, Oct. 27.
Automatic phase control circuit. J. H. Roe. 2,628,279, Feb. 10.
Automatic pilot. P. A. Noxon, A. M. MacCallum, and N. B. Murphy. 2,625,348, Jan. 13.
Automatic poultry feed dispenser. L. Paparazzo and A. A. Bernartz. 2,659,346, Nov. 17.
Automatic poultry feeder. D. V. V. Doty and A. Long. 2,640,462, June 2.
Automatic premeshing mechanism. C. S. Metsger. 2,625,826, Jan. 20.
Automatic pressure measuring and indicating system. A. H. Dickinson. 2,651,204, Sept. 8.
Automatic pump. P. L. Clements. 2,633,801, Apr. 7.
Automatic quick disconnect coupling. A. A. Meddock. 2,660,456, Nov. 24.
Automatic reclosing circuit breaker. J. M. Wallace and A. P. Strom. 2,660,636, Nov. 24.
Automatic reefer for cotton compress machines. R. C. Tillinghast. 2,629,316, Feb. 24.
Automatic repeating predetermined stop mechanism. R. B. Pressler. 2,626,104, Jan. 20.
Automatic reset restriction valve. H. Barnett and E. Saballus. 2,649,112, Aug. 18.
Automatic safety brake. A. H. Genter. 2,651,387, Sept. 8.
Automatic safety readjustment mechanism for newspaper press fold rollers. L. J. Griner. 2,660,426, Nov. 24.
Automatic safety switch. R. N. Maloof. 2,644,051, June 30.
Automatic sampler for liquid hydrocarbon streams. W. N. Kestner, W. C. Kohfeldt, and L. C. Barillier. 2,656,725, Oct. 27.
Automatic selection control for drum-type storage files. J. L. and C. C. Clough. 2,658,513, Nov. 10.
Automatic selective and sequential tuner. C. E. Miller. 2,651,397, Sept. 8.
Automatic self-cleaning dishwashing machine of the recirculating type. F. S. Hummel. 2,629,391, Feb. 24.
Automatic self-dumping bale carrier. E. G. Prechel. 2,625,002, Jan. 13.
Automatic sharpener for straight knife cloth cutting machines. H. Fleisher. 2,624,162, Jan. 6.
Automatic sheet feeding mechanism. E. L. Johnson. 2,626,148, Jan. 20.
Automatic shutoff safety clutch coupling. J. J. Flaton. 2,652,135, Sept. 15.
Automatic shutoff valve. O. M. Hillman. 2,626,632, Jan. 27.
Automatic shutoff valve. R. C. Reasoner. 2,633,866, Apr. 7.
Automatic slack adjusting mechanism. K. B. MacDougall. 2,648,996, Aug. 18.
Automatic slack take-up mechanism. E. B. Nolt. 2,625,829, Jan. 20.
Automatic spark plug switch. D. H. Saunders. 2,643,275, June 23.
Automatic speed control system. R. N. Bromley. 2,626,767, Jan. 27.
Automatic starting apparatus for internal-combustion engines. W. G. Rowell. 2,654,035, Sept. 29.
Automatic step-by-step stock feeder. N. Chuy. 2,634,974, Apr. 14.
Automatic store. C. Saunders. 2,661,682, Dec. 8.
Automatic supplementary source for electric stop-motions. A. Crawford. 2,625,027, Jan. 13.
Automatic switch. J. M. Wallace and A. W. Edwards. 2,654,053, Sept. 29.
Automatic takeup mechanism. W. T. Hicks and D. V. Waters. 2,661,161, Dec. 1.
Automatic tank valve. T. A. St. Clair. 2,638,924, May 19.
Automatic telephone system. F. P. Gohorel. 2,660,620, Nov. 24.
Automatic temperature regulator. M. L. Sands. 2,646,544, July 21.
Automatic titration system. R. T. Sheen. 2,627,453, Feb. 3.
Automatic tobacco feeding cigarette machine. M. Rault. 2,660,177, Nov. 24.
Automatic toilet seat lifter. F. B. Boston. 2,636,185, Apr. 28.
Automatic tool releasing clutch. C. M. Chapin. 2,635,260, Apr. 21.
Automatic torch ignition system for internal-combustion turbine engines. F. H. Carey. 2,660,233, Nov. 24.
Automatic tracking system. R. D. McCoy. 2,647,258, July 28.
Automatic traffic signal. F. Peters and F. J. Hanback. 2,628,587, Feb. 17.
Automatic transfer machine tool. E. M. Bowen. 2,640,254, June 2.
Automatic transmission. R. H. Ebsworth. 2,656,736, Oct. 27.
Automatic transmission. S. Mayner. 2,627,764, Feb. 10.
Automatic transmission. T. L. Morris. 2,651,218, Sept. 8.
Automatic transmission. C. R. Roche. 2,645,137, July 14.
Automatic transmission. R. B. Walder. 2,641,936, June 16.
Automatic trip for two-way plow. W. F. Mellen. 2,656,774, Oct. 27.
Automatic tuning circuit. A. M. Bucksbaum. 2,645,719, July 14.
Automatic turntable for model railways. G. S. Seidel. 2,629,336, Feb. 24.
Automatic vacuum cleaner. L. P. Borkoski. 2,654,439, Oct. 6.
Automatic vacuum cleaner. G. H. Cranmer. 2,634,819, Apr. 14.
Automatic vehicle operated gate. V. E. Taylor. 2,629,192, Feb. 24.
Automatic vehicle parking system. S. J. Sumners and H. W. Frazer. 2,656,940, Oct. 27.
Automatic volume control. H. W. Augustadt. 2,657,264, Oct. 27.
Automatic ware dealing and transferring apparatus. A. J. Wahl. 2,639,045, May 19.
Automatic water valve. N. F. Toadvine. 2,629,397, Feb. 24.
Automatic water valve. N. F. Toadvine. 2,629,581, Feb. 24.
Automatic weft straightener control and method. R. H. Tuttle, J. T. MacIsaac, Jr., and F. W. Sturtevant. 2,638,656, May 19.
Automatic weighing gear. F. D. M. Gamble. 2,639,137, May 19.
Automatic weighing machine. S. J. Bailey. 2,629,490, Feb. 24.
Automatic well flow valve. J. D. Nixon. 2,646,062, July 21.
Automatic window cleaner. G. A. Christos. 2,648,866, Aug. 18.
Automatically actuated trailer brake. J. A. De Lateur. 2,662,616, Dec. 15.
Automatically adjustable C clamp. W. J. Maleckl. 2,644,498, July 7.
Automatically operable orienting tool. L. W. Storm. 2,632,630, Mar. 24.
Automatically operated cutting wheel for opening envelopes. B. B. Kaplan. 2,656,889, Oct. 27.
Automatically operated valve. E. J. Dillman and F. C. Galley. 2,631,598, Mar. 17.
Automatically operating machine for filling baked articles with fluid material. M. S. Jennings. 2,625,119, Jan. 13.
Automatically reversible current-driven channel cleaner. C. de Villota. 2,662,310, Dec. 15.
Automatically separating underweight cans from normal weight cans, Method and apparatus for. D. E. Stem. 2,654,478, Oct. 6.
Automatically varying the stroke of pump rods or like reciprocating members, Means for. E. F. N. McGauchie. 2,648,198, Aug. 11.
Automaton. A. I. Nelson and L. W. Wallace. 2,633,651, Apr. 7.
Automobile accessory. J. N. Garofalo. 2,641,359, June 9.
Automobile accessory driving arrangement. W. H. Bagley. 2,634,618, Apr. 14.
Automobile body front end structure. K. G. Zummach. 2,654,634, Oct. 6.
Automobile body having pivoted end sections. M. A. C. Alamagny. 2,656,214, Oct. 20.
Automobile body structure. H. Karlby. 2,637,592, May 5.
Automobile bumper guard jack. C. H. Haynes. 2,642,304, June 16.
Automobile brake shoe lining protector. J. M. Wagner. 2,643,450, June 30.
Automobile collision guard. M. M. Williams. 2,639,183, May 19.
Automobile compartment map holder. H. Dorogoff. 2,631,390, Mar. 17.
Automobile cover. D. R. Gaverth and A. Erickson. 2,646,097, July 21.

Automobile door latch. E. D. Dall. 2,636,375, Apr. 28.
Automobile door latch. E. D. Dall. 2,636,764–5, Apr. 28.
Automobile door latch. E. D. Dall. 2,644,707, July 7.
Automobile door lock protector. R. M. Shank. 2,658,376, Nov. 10.
Automobile door safety lock. C. W. Hummer. 2,643,905, June 30.
Automobile door structure. A. L. Nelson. 2,660,470, Nov. 24.
Automobile draft control deflector. K. C. Sinclair. 2,658,793, Nov. 10.
Automobile floor mat frame. V. J. Zullo. 2,651,540, Sept. 8.
Automobile heater. J. M. Aufiero. 2,640,407, June 2.
Automobile heater. J. M. Aufiero. 2,647,451, Aug. 4.
Automobile heater. P. M. Freer. 2,646,258, July 21.
Automobile heater. P. M. Freer. 2,651,505, Sept. 8.
Automobile hitch. L. M. Nichols. 2,637,566, May 5.
Automobile jack. M. B. Lucker. 2,630,295–6, Mar. 3.
Automobile lift, Power-driven. P. Stabile. 2,645,367, July 14.
Automobile parking elevator. L. K. and V. A. Sanders. 2,626,065, Jan. 20.
Automobile passing signal. M. Nolcox. 2,644,148, June 30.
Automobile radio cabinet with cover contact clips. V. H. Wiley. 2,629,764, Feb. 24.
Automobile roof construction. G. A. Lyon. 2,643,913, June 30.
Automobile safety ignition lock. G. M. Evans. 2,632,067, Mar. 17.
Automobile seat article holder. B. W. Byford. 2,640,595, June 2.
Automobile seat lock. L. E. Parmely. 2,624,613, Jan. 6.
Automobile seat structure. A. I. Appleton. 2,660,223, Nov. 24.
Automobile structure. J. V. Martin. 2,634,816, Apr. 14.
Automobile top with telescopic sections, Let-down. F. Crenshaw. 2,632,670, Mar. 24.
Automobile transmission handling jack. V. L. Hamlin. 2,643,779, June 30.
Automobile tray and passenger safety guard, Combined. R. Mockli. 2,654,616, Oct. 6.
Automobile truck direction indicator. K. B. Glass. 2,625,900, Jan. 20.
Automobile trunk lock. K. C. Jameson. 2,636,762, Apr. 28.
Automobile wheel mounting. A. E. Frandl. 2,642,316, June 16.
Automobile wheel supporting turnplate. E. D. Wilkerson. 2,648,139, Aug. 11.
Automobile window mounting. L. S. Greenmun. 2,634,160, Apr. 7.
Automotive friction clutch. G. T. Randol. 2,624,432, Jan. 6.
Automotive signal light control switch. A. Hopkin, Jr. 2,657,293, Oct. 27.
Automotive suspension system. J. P. Butterfield and V. Hughes. 2,638,356, May 12.
Automotive tire wheel. A. Richard. 2,646,315, July 21.
Automotive variable-ratio power transmission. G. T. Randol. 2,644,559, July 7.
Automotive wheel tool. L. A. Flickinger. 2,648,126, Aug. 11.
Auxiliary air and water supply for automobiles. O. D. Caldwell. 2,626,184, Jan. 20.
Auxiliary assembly for sawmills, Hydraulically actuated. W. H. Watson and R. L. Nelson. 2,640,513, June 2.
Auxiliary drain plug. W. J. Albert. 2,661,860, Dec. 8.
Auxiliary hydraulic load control and actuator for tractor drawn implements. D. C. Heitshu. 2,638,045, May 12.
Auxiliary fuel supply tank. G. H. Potter. 2,644,514, July 7.
Auxiliary operated pressure relief valve. H. M. McCarthy. 2,635,627, Apr. 21.
Auxiliary planer. H. T. Moore. 2,624,382, Jan. 6.
Auxiliary power take-off for tractors. A. E. Larsen. 2,624,416, Jan. 6.
Auxiliary pressure relief, vacuum relief, and dump valve. R. A. Arthur. 2,641,986, June 16.
Auxiliary spacer for dual tire wheel assemblies. H. H. Duncan and J W Volner. 2,649,338, Aug. 18.
Auxiliary spring device for motor vehicles. J. N. Brckovich. 2,657,042, Oct. 27.
Auxiliary steam generator for steam pressing irons. C. P. McCracken and E. L. Chrisman. 2,624,828, Jan. 6.
Auxiliary steering arm stabilizer spring. J. J. Shemorry, 2,650,844, Sept. 1.
Average indicating apparatus. R. S. Crenshaw, Jr. 2,625,325, Jan. 13.
Averaging device. J. Razek. 2,627,372, Feb. 3.
Averaging device. G. M. Vlajinac. 2,646,216, July 21.
Aviation fuel and preparing same. W. E. Lifson and W. E. Morris. 2,629,685, Feb. 24.
Avoiding curl in machine-made paper, Process and apparatus for. V. Friedrich, Jr. 2,661,669, Dec. 8.
Avoiding explosion hazards. M. S. Hudson. 2,633,429, Mar. 31.
Awning. W. H. Corkrean. 2,652,604, Sept. 22.
Awning. A. F. Peterson. 2,646,600, July 28.
Awning. C. S. Speck. 2,626,435, Jan. 27.
Awning, Adjustable. J. L. Duke. 2,634,740, Apr. 14.
Awning, Adjustable. J. D. Recob. 2,642,634, June 23.
Awning, Adjustable sliding. A. E. Rice. 2,63[illegible] 21.
Awning and flashing strip therefor. M. 2,648,105, Aug. 11.
Awning, Automobile. A. E. Hill. 2,627,913, [illegible]
Awning, canopy, etc. A. O. Liberatore. 2,654,[illegible]
Awning construction. F. C. Russell and A. A. [illegible] 2,647,291, Aug. 4.
Awning construction. A. F. Tittsworth. Feb. 24.
Awning construction, Metal. J. J. Hutton. June 23.
Awning, Illuminated. G. C. Malone. 2,640,14[illegible]
Awning, Metal. C. A. Bristow. 2,629,904, Ma[illegible]
Awning, Metal. H. M. Manley and J. R. Fa[illegible] 2,632,213, Mar. 24.
Awning, Metal slat. E. G. Moeller. 2,629,14[illegible]
Awning or like structure, Metal. J. C. McCo[illegible] J. L. White. 2,644,207, July 7.
Awning or shutter, Metal. D. E. E. Hayner. Oct. 6.
Awning rope guide and pulley. L. E. Jefferson. Dec. 1.
Awning, Sectional metallic. W. I. Smith. July 14.
Awning shutter. L. V. Parsson. 2,629,145, F[illegible]
Awning, Slat. S. J. Albany. 2,655,697, Oct. [illegible]
Awning structure. W. S. Davis. 2,639,476, Ma[illegible]
Awning structure. J. N. Dugan. 2,627,309, F[illegible]
Awning structure, Sheet metal. R. S. Bird Voelker. 2,629,903, Mar. 3.
Awning, Ventilated. P. Moser. 2,657,437, N[illegible]
Awning, Ventilated metal. L. J. Freeman, Jr. June 9.
Awning, Ventilated metal. R. G. Gunter. Feb. 10.
Awning, Ventilating metal. E. W. Pollock. Dec. 29.
Awning, Window. S. M. Brody. 2,642,133, Ju[illegible]
Awning, Window. J. M. Nachman. 2,647,29[illegible]
Axial flow fan regulator. J. E. McDonald. Sept. 29.
Axial gap electric motor-driven pump. J. B[illegible] 2,635,547, Apr. 21.
Axial indicator. F. Pool, Jr. 2,645,024, July [illegible]
Axially engaging friction clutch. W. F. Shurts. Jan. 13.
Axially expandable stand for the liquid after of yarn packages. E. F. Zingg. 2,656,703, O[illegible]
Axially movable plug valve. B. F. Waldron. Jan. 13.
Axially movable valve plug. L. W. Mueller and [illegible] 2,634,946, Apr. 14.
Axially tightening band clamp. C. E. Chris 2,641,038, June 9.
Axle. A. A. Martin. 2,634,169, Apr. 7.
Axle-aligning device. A. Will. 2,632,256, Mar[illegible]
Axle and differential lock. A. J. Gross. 2,638 19.
Axle and manufacture. L. E. Long. 2,631,898.
Axle assembly. H. C. Keysor. 2,659,596, Nov.
Axle construction. A. A. Gassner. 2,641,49[illegible]
Axle generator system. J. A. Kolanda and W. 2,624,870, Jan. 6.
Axle housing. R. R. Cudy. 2,625,055, Jan. 13.
Axle load equalizing assembly. V. L. Frazier. Sept. 22.
Axle mounting. R. C. Kepner. 2,630,081, Mar
Axle mounting. J. MacVeigh. 2,647,470, Aug
Axle mounting of trailers and other vehicles. S 2,653,828, Sept. 29.
Axle retriever. S. G. Horinka. 2,631,884, Mar
Axle stabilizer system for paralleling natura forces, Swingable. A. C. Stover. 2,643,895.
Axle stop for journal boxes. W. T. Bissell and ter. 2,663,583, Dec. 22.
Axle structure for mining apparatus, Rocking. win. 2,663,266, Dec. 22.
Axle support for automotive vehicle lifts, Hinge Green. 2,659,455, Nov. 17.
Axle suspension, Rear. A. T. Gale. 2,631,682
Axle unit for motor vehicles, Dual. W. L 2,663,571, Dec. 22.
Axle, Vehicle. F. F. Linn. 2,641,464, June 9.
Axle with steerable stub axles, Rocking. M. 2,657,939, Nov. 3.
Azamerocarbocyanine dyes. L. G. S. Brooker White. 2,646,409, July 21.
Azeotropic distillation for recovery of aromatic containind naphthalene. H. V. Hess, G. [illegible] and L. Kovach. 2,648,624, Aug. 11.
Azeotropic refrigerant composition of monochlo methane and chloropentafluoroethane. A. F. 2,641,579, June 9.
Azeotropic refrigerant composition of 1,1-difu and monochloropentafluoroethane. H. Lewis. June 9.
Azo compounds of the anthraquinone series. F. [illegible] 2,628,231, Feb. 10.
Azo derivatives of carbostyril. J. Seruto. June 2.
Azo dye duplicating process. R. J. Klimkowski Florence. 2,634,677, Apr. 14.

Azo dyes and their use in color photography. B. Gaspar and P. D. Dreyfuss. 2,644,753, July 7.
Azo dyes from 2-aminothiophene. R. S. Long. 2,625,541–2, Jan. 13.
Azo dyes of the anthraquinone series. F. B. Stilmar. 2,628,230, Feb. 10.
Azo dyestuff. R. Lantz and G. Mingasson. 2,647,113, July 28.
Azo dyestuffs. E. Moser. 2,657,202, Oct. 27.
Azo pigment. J. De Lucia and R. Eltonhead. 2,657,204, Oct. 27.
Azo pigment and coating compositions containing the same. D. B. Killian and A. D. Reidinger. 2,649,383, Aug. 18.
BF_3-Iodine polymerization of unsaturated hydrocarbon mixtures F. T. Wadsworth. 2,631,996, Mar. 17.
Baby bunting, Adjustable. O. Kovary. 2,624,048, Jan. 6.
Baby carriage, Convertible folding. W. C. Troendle. 2,643,893, June 30.
Baby carriage convertible to a bassinet. W. C. Troendle. 2,646,286, July 21.
Baby carriage, Folding. H. E. Cornish. Re. 23,681, July 7.
Baby carriage, Folding. G. R. Welden. 2,634,137, Apr. 7.
Baby carrier. J. M. Neils. 2,628,358, Feb. 17.
Baby coach cover. B. C. and J. F. Kennedy. 2,648,565, Aug. 11.
Baby cuff. B. C. and F. V. Lewandowski. 2,663,295, Dec. 22.
Baby feeding bottle holder. B. R. Schutz. 2,651,485, Sept. 8.
Baby holder for children's chairs. B. Hlivka. 2,652,183, Sept. 15.
Baby pen, Collapsible. T. G. Plant. 2,624,054, Jan. 6.
Baby poser. F. R. ZumBrunnen. 2,646,735, July 28.
Baby seat. C. B. Johnson. 2,624,395, Jan. 6.
Baby tender. L. Gottfried. 2,655,202, Oct. 13.
Baby trainer chamber. J. V. Heath. 2,663,861, Dec. 22.
Baby walker. A. P. Douglas and L. J. Walters. 2,662,579, Dec. 15.
Baby walker, Demountable. F. W. Fruitman. 2,636,546, Apr. 28.
Baby walker with removable sling. E. M. Musselman. 2,664,141, Dec. 29.
Baby's bath seat. H. Mover. 2,645,781, July 21.
Baby's safety pad. I. B. McMonagle. 2,629,884, Mar. 3.
Bacitracin, Production of. W. L. Keko, R. E. Bennett, and F. C. Arzberger. 2,627,494, Feb. 3.
Backboard for punching bags, Filiable. R. J. Malone. 2,643,124, June 23.
Back circulator device. B. A. Deters and W. W. Butler. 2,645,288, July 14.
Back filling attachment for power shovels. L. E. Smith. 2,644,251, July 7.
Backfire arrester. C. J. Dorf. 2,626,860, Jan. 27.
Backflow preventer. T. A. Glass. 2,654,388, Oct. 6.
Back flow preventer. S. A. Hayes. 2,646,063, July 21.
Backflow preventer for water hydrants. G. E. Hansen. 2,661,759, Dec. 8.
Backflow preventing unit for dishwashing apparatus. C. J. Manville. 2,652,850, Sept. 22.
Backflow prevention device. D. G. Griswold. 2,646,816, July 28.
Backguard for electric ranges, Foldable. J. J. Woodburn. 2,649,531, Aug. 18.
Back or headrest mechanism, Adjustable. P. Billet and I. Levy. 2,651,056, Sept. 8.
Back pressure safety valve. T. J. Redd. Re. 23,645, Apr. 14.
Back rest. C. E. Burke. 2,659,420, Nov. 17.
Back rest, Bleacher. R. Leach. 2,645,274, July 14.
Back rest, Collapsible. J. W. Meeks. 2,663,880, Dec. 29.
Back rest, Collapsible bleacher type. W. J. Bishop and G. C. Dibble. 2,647,563, Aug. 4.
Back rest for planklike seats. R. MacMillan. 2,625,988, Jan. 20.
Back rest for sofa beds, Folding. J. Pilliero. 2,642,586, June 23.
Back rest, Sofa bed. H. A. Backus. 2,663,878, Dec. 29.
Backsplash structure for stoves. H. W. Schulze. 2,635,600, Apr. 21.
Backstop for Miehle vertical printing presses, Adjustable tension. E. P. Valley. 2,659,599, Nov. 17.
Backwash control equipment for filters. C. Hungerford, Jr., and J. G. Reutter. 2,628,720, Feb. 17.
Backwater valve. H. W. Sachs. 2,630,875, Mar. 10.
Backing for delay line crystals. G. D. Forbes and H. Shapiro. 2,624,852, Jan. 6.
Backing for laps. T. G. Lewis. 2,655,772, Oct. 20.
Backing machine, Razor blade. W. Bindszus. 2,642,111, June 16.
Backing paper for roll photographic film. E. L. Baxter. 2,646,365–6, July 21.
Backing unit for wall openings. E. Wieman. 2,638,774, May 19.
Bacon canning. G. E. Brissey. 2,627,473, Feb. 3.
Bactericidal compounds. J. M. Sprague. 2,650,251, Aug. 25.
Badge meter. D. M. Davis and J. C. Hart. 2,659,013, Nov. 10.
Baffle for watch cleaning machines. A. Skirment. 2,638,105, May 12.
Baffle member for combustion chambers. W. R. Howland and I. D. Tefft. 2,650,555, Sept. 1.
Baffle structure in gaseous discharge devices. W. W. Watsous, Jr. 2,650,998, Sept. 1.
Baffle type muffler with a plurality of outlet conduits. R. B. Bourne and J. P. Tyskewicz. 2,660,258, Nov. 24.
Bag: *See*—
Brief bag.
Clothing bag.
Comparted traveling bag.
Compartment bag.
Fountain syringe bag.
Garment bag.
Garment holding bag.
Metal molding bag.
Moistureproof bag.
Nurse's bag.
Paper bag.
Parcel bag.
Quick opening bag.
Sleeping bag.
Syringe bag.
Travel bag.
Traveling bag.
Valve bag.
Wheeled golf bag.
Bag. C. V. Brady and R. J. Williams. 2,646,203, July 21.
Bag. E. D. Zweigbaum. 2,662,619, Dec. 15.
Bag and filter for vacuum cleaners, Dust collecting. H. Hage. 2,630,879, Mar. 10.
Bag and handle. G. D. King. 2,661,892, Dec. 8.
Bag and package display carrier, Shopping. E. G. Jacobsson. 2,633,287, Mar. 31.
Bag assembly. C. W. Vogt. 2,647,680, Aug. 4.
Bag assembly. C. W. Vogt. 2,653,752, Sept. 29.
Bag assembly. C. W. Vogt. 2,664,238, Dec. 29.
Bag attachment for baby carriages. D. W. Siebert. 2,635,797, Apr. 21.
Bag bottom forming device. F. Gramegna. 2,641,167, June 9.
Bag closing and delivery unit. J. W. Carter. 2,651,272, Sept. 8.
Bag closing apparatus. G. H. Clary. 2,637,153, May 5.
Bag closing machine. H. G. Allen. 2,624,995, Jan. 13.
Bag closing machine. K. Stone. 2,662,357, Dec. 15.
Bag closure. L. M. Grimes and R. W. Amann. 2,628,396, Feb. 17.
Bag container. R. L. Lee. 2,631,629, Mar. 17.
Bag dispensing apparatus for bagging machines. C. K. Nelson. 2,629,369, Feb. 24.
Bag filling and weighing machinery. F. A. Rowland. 2,632,589, Mar. 24.
Bag filling, closing, and tying machine. E. E. West. 2,639,069, May 19.
Bag filling device. C. J. Thompson. 2,635,798, Apr. 21.
Bagfilling machine with adjustably mounted article guide rails. A. J. McClelland, A. L. Zambito, and S. J. Minneci. 2,626,094, Jan. 20.
Bag filling machine with rotatable bag carrier having expandable and contractable bag engaging fingers. E. E. West. 2,661,132, Dec. 1.
Bag filling tube and associated bag top gripping apparatus. N. A. Scranton and M. A. White. 2,643,804, June 30.
Bag for packaging tacky polymeric materials. F. R. Linda. 2,648,487, Aug. 11.
Bag for vacuum sealing, Flexible. C. J. Jesnig. 2,638,263, May 12.
Bag handle making and applying machine. W. H. Bokenkroger and T. M. Avery. 2,625,862, Jan. 20.
Bag holder. W. A. Nicolas. 2,639,110, May 19.
Bag holder. A. R. Scholin. 2,648,512, Aug. 11.
Bag holder, carriage, and track assembly. J. W. Carter. 2,651,443, Sept. 8.
Bag holding device. R. E. Henry. 2,634,072, Apr. 7.
Bag machine, Tubular. E. E. West. 2,650,328, Nov. 17.
Bagmaking and filling machine. J. P. Grady. 2,656,658, Oct. 27.
Bagmaking machine. T. W. Keller and C. W. Garvin. 2,652,879, Sept. 22.
Bag of open-mesh material and paper. C. V. Brady and A. F. Ottinger. 2,655,969, Oct. 20.
Bag opening process and machine, including movable bag opening arms. H. A. Edmonds. 2,649,235, Aug. 18.
Bag pallet loader. E. S. Cole and H. D. Vanderlip. 2,655,271, Oct. 13.
Bag seal. George G. and Gilbert G. Canter. 2,654,624, Oct. 6.
Bag seal. S. M. Moberg. 2,639,181, May 19.
Bag sealing machine. R. J. Gaubert. 2,626,495, Jan. 27.
Bag-sewing machine, Hand. G. R. Cerioni. 2,637,288, May 5.
Bag support and motor shield for suction cleaners. R. E. Sheahan. 2,652,902, Sept. 22.
Bag with handles. L. T. Ross. 2,625,318, Jan. 13.
Baggage latch. R. E. Herrick. 2,616,172, Jan. 20.
Baggage rack. Y. W. Ehret. 2,639,817, May 26.
Bagging device with pivotally mounted guide and spreader fingers. M. B. Rasmusson. 2,633,281, Mar. 31.
Bagging machine. F. Belmont. 2,657,003, Oct. 27.
Bagging machine. T. C. Schenk. 2,645,395, July 14.
Bags, Making. A. W. Richens. 2,648,263, Aug. 11.
Bail for containers. C. F. Sprague. 2,654,625, Oct. 6.
Ball for facilitating the application of tire chains. E. C. Yates. 2,663,208, Dec. 22.
Bailer and bridge plug, Dump. R. C. Baker. 2,653,666, Sept. 29.
Bailer for oil well bores. W. N. Sutliff. 2,659,442, Nov. 17.
Bait, Artificial. G. C. Folmer. 2,626,478, Jan. 27.
Bait, Artificial. C. J. Franklin. 2,627,135, Feb. 3.
Bait boat, Live. R. E. L. Spotswood. 2,657,496, Nov. 3.
Bait box. G. A. Gemmer. 2,639,538, May 26.
Bait bucket. R. C. Sweet. 2,651,137, Sept. 8.
Bait clamp. J. H. Hegler, Jr. 2,659,996, Nov. 24.

Bait holder for exterminating rodents, Poison. W. M. Malloy. 2,651,138, Sept. 8.
Bait or lure, Fish. C. C. Sinclair. 2,627,136, Feb. 3.
Bake oven for incandescent lamps. A. W. Holzer. 2,645,862, July 21.
Bakery goods removing machine. J. L. Atwood. 2,625,284, Jan. 13.
Baking device. E. Dornbush. 2,650,553, Sept. 1.
Baking device, Variable volume. D. D. Smart. 2,663,449, Dec. 22.
Baking frame. J. Cryns. 2,644,444, July 7.
Baking machine. H. Puls. 2,624,295, Jan. 6.
Baking machine, Automatic. G. Reget. 2,640,444, June 2.
Baking machine, Automatic cake. C. E. Nuttall. 2,624,297, Jan. 6.
Baking or like pans, Making. E. I. Ghormley. 2,624,304, Jan. 6.
Baking pan means and dumping mechanism therefor, Cake. G. Reget. 2,640,445, June 2.
Balance. H. Carmichael. 2,624,564, Jan. 6.
Balance adjustment, Direct current. M. Maron. Re. 23,707, Sept. 1.
Balance assembly gauge. T. Garon. 2,643,462, June 30.
Balance mechanism for watches and clocks. J. English. 2,651,170, Sept. 8.
Balance scheduling means for listing calculating machines. H. M. Fleming. 2,645,418, July 14.
Balance scheduling means for listing calculating machines, Automatic. H. J. Duke. 2,658,669, Nov. 10.
Balance staff, Flexible. E. Morf. 2,646,662, July 28.
Balance starter mechanism. L. De Negre. 2,650,468, Sept. 1.
Balance testing device. S. W. Martin. 2,636,382, Apr. 28.
Balanced door. P. M. Hanssen. 2,637,877, May 12.
Balanced double ionization chamber X-ray monitor. L. J. Rainwater. 2,643,343, June 23.
Balanced lead hanger. T. K. Holmen. 2,656,997, Oct. 27.
Balanced microwave detector. R. A. Braden. 2,637,813, May 5.
Balanced plug valve. R. Clade. 2,651,490, Sept. 8.
Balanced pressure pickup. W. P. Mansfield and A. H. Cornish. 2,656,722, Oct. 27.
Balanced relay armature operated switch. W. H. Kuntz. 2,631,207 Mar. 10.
Balanced sweep circuit. D. F. Winter. 2,646,503, July 21.
Balanced valve. K. C. Bugg. 2,645,448, July 14.
Balanced valve. E. A. Skweir. 2,630,292, Mar. 3.
Balanced to unbalanced energy transfer circuit. J. B. Caraway. 2,639,328, May 19.
Balanced well pump. W. H. Porter. 2,660,124, Nov. 24.
Balanced wrench. T. W. Reynolds. 2,662,437, Dec. 15.
Balancing device. S. F. Anderson. 2,641,877, June 16.
Balancing device. P. O. Pfeiffer. 2,632,673, Mar. 24.
Balancing device for high-speed honing machines. J. Sunnen. 2,638,721, May 19.
Balancing device for washing machines. M. L. Neher. 2,643,536, June 30.
Balancing machine. F. A. Martin and S. J. Jeffery. 2,651,937, Sept. 15.
Balancing means for floated gyroscopes. J. E. Lundberg and H. G. Swanson. 2,650,502, Sept. 1.
Balancing rotating bodies, Method of and apparatus for. M. S. Merrill and L. H. Erickson. 2,663,184, Dec. 22.
Balancing system for tiltable bodies, Pneumatic. R. A. Poage. 2,633,811, Apr. 7.
Balancing weight. R. A. Kennedy. 2,640,727, June 2.
Bale attachment, Soft center. P. H. Harrer. 2,656,786, Oct. 27.
Bale breaker. J. D. Lyall. 2,636,220, Apr. 28.
Bale case mounting latch mechanism. G. H. Whiteside. 2,627,802, Feb. 10.
Bale handling hook. B. J. Satre. 2,631,882, Mar. 17.
Bale loading attachment for vehicles. C. W. Maxwell. 2,646,181, July 21.
Bale or bundle handling means for baling presses or the like. M. E. McClellan. 2,649,945, Aug. 25.
Bale sled. R. W. Ray. 2,649,982, Aug. 25.
Bale tensioning mechanism. P. P. Wuertz. Re. 23,631, Mar. 10.
Bale twine tie. J. C. Leary. 2,645,840, July 21.
Baler. S. D. Russell. 2,660,949, Dec. 1.
Baler conveying and feeding means. S. D. Russell. 2,658,323, Nov. 10.
Baler, Hay. W. Vutz. 2,630,064, Mar. 3.
Baler, Hydraulic pickup. C. R. Rogers, H. H. Kolzing, and J. L. Heinlein. 2,644,283, July 7.
Baler, Pickup. A. R. J. Luke. 2,647,355, Aug 4.
Baler, Pickup. O. C. Lytle. 2,633,691, Apr. 7.
Baler press mechanism for forming vented bales. L. P. Millard and H. O. Vogel. 2,654,308, Oct. 6.
Baler, Scrap metal. C. R. Golay. 2,644,351, July 7.
Baler tension adjusting mechanism. H. J. Phillips, Jr. 2,628,554, Feb. 17.
Baling machine. R. E. Seltzer. 2,646,745, July 28.
Baling machine, Bag. P. C. Robinson. 2,653,431, Sept. 29.
Baling machine for compacting straw and stalks from harvesting machines into cylindrical bales. H. J. Berge. 2,627,223, Feb. 3.
Baling press. H. W. Jones and G. Glazer. Re. 23,737, Nov. 17.
Balk connector. L. P. Frost. 2,647,270, Aug. 4.
Ball and bowling pin apparatus, Pendulum. W. D. Hunter. 2,634,977, Apr. 14.
Ball and manufacture, Seamless cover tennis. Milner and R. G. Tugen. 2,639,920, May 26.
Ball and socket coupling. R. B. Palmer. 2,634, 14.
Ball and socket joint. A. Bakane. 2,636,757.
Ball and socket strut. L. S. Williams. 2,646,271
Ball, Athletic. C. J. Crowley. 2,662,771, Dec.
Ball bearing. O. R. Briney, Jr. 2,655,415, Oct
Ball bearing. L. R. Heim. 2,653,064, Sept. 22.
Ball bearing. H. L. Potter. 2,643,165, June 23.
Ball bearing hinge. R. W. Williams. 2,636,211,
Ball bearing slide structure for table furniture Woina and A. W. Richards. 2,649,346, Aug.
Ball bearing top roll. L. M. Cotchett. 2,644,20
Ball bumper, Angularly adjustable. R. T. Molone L. Seiden. 2,642,290, June 16.
Ball, Card. J. R. Monahan. 2,645,486, July 14.
Ball cock, Antisiphonic. J. C. Owens. 2,635,622
Ball confining club for croquet. J. Sorteberg. Oct. 27.
Ball deflector and screw cleaner for ball-bearing nut assemblies. J. Jacubenta. 2,636,397, A
Ball delivery device for ball game apparatus Durant. 2,660,435, Nov. 24.
Ball game, Inclined surface. F. R. Schaefer. Mar. 24.
Ball-game tray. A. A. Abrams. 2,626,808, Jan.
Ball grip, Bowling. T. R. Uhas. 2,661,951, De
Ball hammer for rotary driers. C. A. Arend, W. A. Seedorff, Jr. 2,645,861, July 21.
Ball joint. M. P. Graham and M. H. Alldredge. Apr. 21.
Ball lift for use in marble pin games, Electr tuated. M. J. Binks. 2,628,102, Feb. 10.
Ball mill with feed and discharge means at each end. J. B. Martin. 2,664,248, Dec. 29.
Ball milled high calcium lime and making the sa Huntzicker, M. C. Dailey, and B. R. Minnis. Dec. 22.
Ball nut and lever steering gear. W. H. Doe J. C. Helveston. 2,648,994–5, Aug. 18.
Ball piston pump. F. Paulsmeier and H. 2,662,482, Dec. 15.
Ball pitching machine, Rotary. J. J. Calleo. Oct. 20.
Ball plug setting tool. E. T. Gilda. 2,652,733, S
Ball-point writing instrument. R. W. Randolph. Nov. 24.
Ball projector. M. J. Binks. 2,660,157, Nov.
Ball retarder. L. S. Breen. 2,627,409, Feb. 3.
Ball roller counterweight. J. L. Fincher. Feb. 10.
Ball rolling board and control therefor, Shiftab Benak. 2,658,755, Nov. 10.
Ball target, Automatic score registering. S. J 2,636,739, Apr. 28.
Ball tethering device. H. E. Tebbetts, Jr. Sept. 29.
Ball throwing device. M. Goldman. 2,646,785
Ball-throwing machine, Centrifugal. J. M. 2,650,585, Sept. 1.
Ball throwing sling. A. S. Simko. 2,644,441, J
Ball turning machine. A. Babcock. 2,628,462
Ball type caster. J. Wein. 2,659,926, Nov.
Ball-type writing tips, Making. M. Knobel. July 28.
Ball valve. H. L. Paul, Jr. 2,629,578–9, Feb.
Ball winding machine. P. Rekettye. 2,660,37
Ball with grip measuring facilities, Bowling. 2,632,254, Mar. 24.
Balls, Making play. F. Fenton. 2,627,892, Fe
Balls, Making tennis. J. Anderson and R. 2,652,094, Sept. 15.
Ballast discharging car. G. B. Dorey. 2,630,76
Ballast removing apparatus. E. M. Thornley. May 12.
Ballast removing apparatus, Rotary type. K. 2,640,285, June 2.
Ballast removing machine. K. Kershaw. 2,646 28.
Ballast tamping apparatus. S. R. Hursh and C Re. 23,687, July 21.
Ballistic electrometer. W. P. Jesse, J. W. Bi W. H. Hinch. 2,624,847, Jan. 6.
Ballistic mechanism. C. G. Holschuh and 2,638,269. May 12.
Balloon and inflating same. R. M. Dungan Hakomaki. 2,635,835, Apr. 21.
Balloon and packaging balloons. W. F. Huch. Apr. 21.
Balloon control, Strand-former. J. A. Truitt. Apr. 21.
Balloon guard. C. B. Kingsbury. 2,660,856, D
Balloon, Jet-propelled spinning. J. Kennedy. Aug. 25.
Balloon manufacturing process, Multiple gor Huch. 2,656,293, Oct. 20.
Balloon stick. H. A. Longino. 2,651,879, Sept
Balneotherapy apparatus. R. T. Melsheimer. Aug. 25.
Banana product, Making a. R. T. Stone. Aug. 4.

Band-applying machine. H. G. Allen, G. E. Gampp, and H. D. Smith. 2,654,520, Oct. 6.
Band applying machine, Automatic. G. M. Tracy and J. C. Petrea. 2,630,260, Mar. 3.
Band applying mechanism. G. E. Gampp. 2,660,353, Nov. 24.
Band brake. H. J. Findley. 2,641,338, June 9.
Band brake. M. P. Winther. 2,637,415, May 5.
Band clamp. R. O. Dodge. 2,651,094, Sept. 8.
Band clamp. J. J. Skelly. 2,635,319, Apr. 21.
Band clamp lock. J. A. and A. D. Carpenter. 2,655,332, Oct. 13.
Band clip having closing worm gear. C. W. Cheney. 2,650,405, Sept. 1.
Band for ladies' wrist watches or the like, Adjustable. J. L. Kaufman. 2,635,315, Apr. 21.
Band, Infant's. R. A. and L. M. Wassom. 2,655,151, Oct. 13.
Band pass filter. V. D. Landon. 2,660,712, Nov. 24.
Band pass filter. M. C. Tournier. 2,640,879, June 2.
Band pass filter circuit. F. W. Schmidt, Jr. 2,661,459, Dec. 1.
Band saw attachment for machine tools. A. Steiner. 2,627,288, Feb. 3.
Band saw circle cutter guide. L. C. Sayers. 2,625,186, Jan. 13.
Band width reducing system and method. R. D. Kell. 2,627,549, Feb. 3.
Band-width reduction system. A. E. Anderson and R. W. Sears. 2,629,771, Feb. 24.
Banding machine. C. W. Gunter and J. W. Howe, Jr. 2,644,628, July 7.
Banding of roofing material. F. Stencil. 2,627,153, Feb. 3.
Bandage. R. Caskey, Jr. 2,661,739, Dec. 8.
Bandage. A. N. Stanton. 2,646,040, July 21.
Bandage, Pressure. E. Gamber and H. Freiberger. 2,661,776, Dec. 8.
Bandage, Sanitary. R. Brown. 2,640,483, June 2.
Bandage, Self-bonding tubular. W. M. Scholl. 2,646,796, July 28.
Bank, Registering coin. M. G. Malnick. 2,628,028, Feb. 10.
Bank, Santa Claus. M. J. Singer. 2,635,383, Apr. 21.
Bank, Savings. W. W. Syfert. 2,648,934, Aug. 18.
Bank with guarded slot means, Coin. A. P. Veschio. 2,648,494, Aug. 11.
Banking automotive vehicle. C. Bancroft. 2,641,480, June 9.
Bar: *See*—
Adjustable chain saw bar.
Boring bar.
Exercise bar.
Extensible towel bar.
Faller bar.
Folding towel bar.
Guitarist's steel bar.
Hanger bar.
Hydraulic tow bar.
Load bracing bar.
Panel board neutral bar.
Power actuated adjustable tire demounting bar.
Sine bar.
Skipping bar.
Special boring bar.
Tow bar.
Towel bar.
Venetian blind bottom bar.
Watch strap spring bar.
Bar and micrometer, Angle measuring. N. Trbojevich. 2,645,026, July 14.
Bar feed means. G. O. Gridley. 2,626,450, Jan. 27.
Bar for flexible storm windows, Center. F. J. Burns. 2,660,239, Nov. 24.
Bar for knitting machines, Warp tension. P. J. Schoenster. 2,637,184, May 5.
Bar hanger attachment. E. B. Atkinson. 2,625,357, Jan. 13.
Bar mechanism, Impact breaker. L. H. Long. 2,635,817, Apr. 21.
Bar rest for typewriting machines, Rebound preventing type. H. J. Kistner. 2,641,349, June 9.
Bar sealer for plastic films, Rotary. R. S. Mason, J. P. Graham, and H. L. Hearns. 2,651,708, Sept. 8.
Bar support for veneer lathes, Pressure. J. T. Latimer. 2,659,401, Nov. 17.
Bar tacking control mechanism for buttonhole sewing machines, Automatic. G. Minkowitz. 2,641,211, June 9.
Bar turning device. E. T. Peterson. 2,632,346, Mar. 24.
Bar with canted pins, Faller. J. R. Longstreet. 2,648,874, Aug. 18.
Barbecue and bun warmer, Hot dog. F. F. McCandless. 2,649,852, Aug. 25.
Barbecue appliance. C. R. Larkin. Re. 23,662, May 26.
Barbecue device. C. P. Molla. 2,638,888, May 19.
Barbed wire structure. A. E. Brickman. 2,660,406, Nov. 24.
Barber chair. N. P. Vizza. 2,637,370, May 5.
Barber clipper holder. F. P. Belloff and T. R. Bevacqua. 2,639,880, May 26.
Barber's clipper holder. J. Hammond. 2,662,719, Dec. 15.
Barber's clippers stand. W. A. Lee. 2,639,820, May 26.
Barbiturates and thiobarbiturates of 1,2,3-trisubstituted pyrazolones and producing such compositions, Substituted and unsubstituted. J. H. T. Ledrut. 2,628,233, Feb. 10.
Bare wire thermocouple holder. M. W. Connell. 2,625,573, Jan. 13.
Barge, Deep water submersible. R. A. J. Dawson. 2,653,452, Sept. 29.
Barge for offshore well drilling. L. B. Durant and W. E. Padel. 2,639,588, May 26.
Barge unloading device. C. Anschutz. 2,628,727, Feb. 17.
Baring the ends of insulated electrical conductors, Means for. W. Swift and H. Coley. 2,637,864, May 12.
Barium-chromium-copper-alumina containing catalyst, Production of. A. F. MacLean. 2,634,242, Apr. 7.
Barium-chromium-copper-silica-containing catalyst, Preparation of. A. F. MacLean. 2,649,420, Aug. 18.
Barium salts of phosphorus sulfide-hydrocarbon reaction products, Preparation of. R. W. Watson and C. R. Ditto. 2,647,889, Aug. 4.
Barium salts, Producing. A. C. Herbert. 2,637,700, May 5.
Bark peeler having pivoted jaws spread by fluid pressure. R. E. Burton. 2,661,782, Dec. 8.
Bark-removing apparatus having log-rotating and log-advancing peeler heads. J. B. Merrifield. 2,641,289, June 9.
Bark-removing cutter reciprocable over step-by-step rotatable log. P. Wilson. 2,640,516, June 2.
Bark removing machine. D. Denison. 2,653,635, Sept. 29.
Barking machine. T. O. Hillbom. 2,657,722, Nov. 3.
Barking or cleaning apparatus, Hydraulic. H. A. Simons. 2,661,781, Dec. 8.
Barn cleaner. D. W. Garnett. 2,635,737, Apr. 21.
Barn cleaner. F. W. Vodoz. 2,646,158, July 21.
Barometric draft regulator. E. A. Field. 2,650,029, Aug. 23.
Barometric draft regulator. E. A. Field. 2,652,200, Sept. 15.
Barometric measurement of elevation. D. H. Clewell and C. F. Rust. 2,639,615, May 26.
Barrel bung bit having a passage for permitting flow of liquid. J. J. Guarino. 2,661,123, Dec. 1.
Barrel chair. R. S. Sanford and P. F. Simpson. 2,649,146, Aug. 18.
Barrel cooling apparatus. A. H. Patch and G. M. Booth. 2,625,804, Jan. 20.
Barrel dent-removing machine. A. F. Tremblay. 2,625,195, Jan. 13.
Barrel head construction. H. E. Thyen. 2,635,658, Apr. 21.
Barrel, reflector base, and associated parts for electric lanterns. J. B. Schilling and F. F. Jones. 2,653,218, Sept. 22.
Barrel tile pallet. C. Peavy. 2,636,243, Apr. 28.
Barrel top grab mechanism. L. C. Daniels. 2,655,278, Oct. 13.
Barrel type injection pump. W. H. Mashinter. 2,636,439, Apr. 28.
Barrels and the like, Manufacture of. A. C. Merron. 2,649,124, Aug. 18.
Barrette, Nonskid. I. T. Green, Jr. 2,630,811, Mar. 10.
Barrier for motor vehicle parking systems. G. S. Stratton. 2,637,920, May 12.
Base assembly for mechanical refrigerators and the like. H. W. Whitmore. 2,626,851, Jan. 27.
Baseball. E. H. Hawes. 2,645,487, July 14.
Baseball base. J. P. Corbett. 2,624,580, Jan. 6.
Baseball batting tee. O. J. Alder and F. Jacobs. 2,652,250, Sept. 15.
Baseball game board. F. Beierle. 2,626,155, Jan. 20.
Baseball practicing apparatus. L. W. Salmi. 2,633,320, Mar. 31.
Base for chairs, Wheeled. R. G. Neff. 2,654,421, Oct. 6.
Base for knockdown stands. C. E. Johnson. 2,662,713, Dec. 15.
Base for motors. J. A. McKim. 2,662,988, Dec. 15.
Base marking apparatus. H. C. Atkins and H. E. Hermanson. 2,639,661, May 26.
Base materials for frozen desserts. J. R. Katz. 2,658,831, Nov. 10.
Base, Mast mounting. R. B. Riggs. 2,661,918, Dec. 8.
Base seal structure for burial vaults. E. J. Lager. 2,649,644, Aug. 25.
Base threader. L. V. Regelman. 2,636,251, Apr. 28.
Basic anion-exchange resins, Preparation of strongly. J. C. H. Hwa. 2,630,427, Mar. 3.
Basic esters of phenothiazine-10-carboxylic acid and salts thereof. J. W. Cusic. 2,650,919, Sept. 1.
Basic refractory brick and process. R. P. Heuer. 2,639,993, May 26.
Basic structure for auxiliary seats or the like. T. B. McCarty. 2,657,739, Nov. 3.
Basically substituted alkyl esters of γ-aroylarylbutyric acids and their salts. J. W. Cusic. 2,641,608, June 9.
Basically substituted aroylbenzamides and salts thereof. C. P. Krimmel. 2,629,737, Feb. 24.
Basically substituted N-alkyl derivatives of α,β,β-triarylpropionamides. C. P. Krimmel. 2,629,736, Feb. 24.
Basically substituted 1-(10-acridanyl) alkanones. J. W. Cusic. 2,625,548, Jan. 13.
Basin and utility space bathroom fixture, Combination. B. F. McMahon. 2,641,519, June 9.
Basin-forming attachment for disk plows. A. G. Muirhead. 2,632,986, Mar. 31.
Basket. B. E. Finkbone. 2,632,595, Mar. 24.
Basket and cover therefor, Shipping. W. R. J. Woock. 2,649,991, Aug. 25.
Basket, Collapsible. W. Terry. 2,655,970, Oct. 20.
Basket, Easter. G. R. Brown. 2,653,707, Sept. 29.
Basket guide. W. W. Hartman and R. A. Steps. 2,652,118, Sept. 15.

Basket, Illuminated rotary clothes-washing. H. Rick. 2,656,451, Oct. 20.
Basket, Ironing board. E. H. Mayhew. 2,637,918, May 12.
Basket, Junk. W. W. Fortenberry. 2,645,290, July 14.
Basket loader, Retort. G. B. Stryker. 2,658,651, Nov. 10.
Basket, Portable foldable shopping. Y. Lu. 2,653,826, Sept. 29.
Basket, Resnatron filament. W. H. Kohl. 2,662,990, Dec. 15.
Basket, Rubbish. E. Rudolf. 2,631,751, Mar. 17.
Basket, Stacking stock. J. P. Moorhead. 2,662,662, Dec. 15.
Basket structure with stacking handles. G. L. Russell. 2,646,186, July 21.
Basket, Wire handled. W. E. Hauck. 2,636,663, Apr. 28.
Baskets, Manufacturing lined. R. H. DeHaven. 2,653,639, Sept. 29.
Bass clarinet. H. W. Loney. 2,649,829, Aug. 25.
Bass violin folding stand. C. B. R. Selig. 2,630,289, Mar. 3.
Bassinet for automobiles. A. G. Goldberg. 2,629,109, Feb. 24.
Bassinet liner. J. L. Meredith, Jr., and B. B. Meredith. 2,649,533, Aug. 18.
Bassinet, Seat-attached. C. Nolan. 2,653,330, Sept. 29.
Baster, Seam. R. Hughes. 2,647,316, Aug. 4.
Bat grip, Baseball. G. J. Le Tourneau. 2,659,605, Nov. 17.
Bat, Table tennis. G. H. Forsyth. 2,640,698, June 2.
Batch feeder control, Continuous. G. D. Alvord. 2,638,248, May 12.
Batch meter for concrete mixing apparatus. A. W. Slack and R. A. Snyder. 2,655,355, Oct. 13.
Batch processing discrete articles. G. M. Flynn. 2,649,380, Aug. 18.
Batching machine. M. O. Haeger. 2,634,887, Apr. 14.
Bath agent, Pickling. J. W. Carroll. 2,662,857, Dec. 15.
Bath, Infant's. E. D. Zimov. 2,661,482, Dec. 8.
Bathroom construction. R. Evans. 2,650,368, Sept. 1.
Bathroom fixture. H. Karp. 2,627,074, Feb. 3.
Bathroom structure, Prefabricated. J. F. Donahue. 2,644,203, July 7.
Bath seat lifting appliance. R. Beckwith. 2,624,053, Jan. 6.
Bathtub. G. B. Hansburg. 2,658,204, Nov. 10.
Bathtub chair. A. Scheuerman and O. L. Smith. 2,664,142, Dec. 29.
Bathtub cover. R. T. Gibb. 2,642,580, June 23.
Bathtub, Portable. W. C. Westfahl. 2,659,090, Nov. 17.
Bathtub, Pressed steel. J. C. Baker and J. C. Buchanan. 2,626,402, Jan. 27.
Bathing device, Infant's. N. K. Brodine. 2,645,442, July 14.
Bathing device, Infant's. B. H. Kennedy. 2,644,953, July 14.
Bathing device, Infant's. B. H. Kennedy. 2,645,782, July 21.
Bathing suit. I. Block. 2,651,040, Sept. 8.
Bathing suit, One-piece. N. L. Miller. 2,651,780, Sept. 15.
Batter applying apparatus. J. O. Hice and J. J. Meadows. 2,655,127, Oct. 13.
Battery. L. E. Pucher and W. A. Cunningham. 2,640,090–1, May 26.
Battery. G. A. F. Winckler, W. H. Rose, and O. K. Reinhardt. 2,650,946, Sept. 1.
Battery, Accumulator. A. A. Robillard. 2,658,938, Nov. 10.
Battery additive product and making the same. R. B. Hanchey. 2,631,117, Mar. 10.
Battery, Alkaline electrical. W. H. Taylor. 2,636,064, Apr. 21.
Battery and lift device, Storage. A. H. Snyder. 2,638,490, May 12.
Battery and making the same, Primary. J. H. Baldwin. 2,653,179, Sept. 22.
Battery and making the same, Primary. A. Fischbach and H. J. Mandel. 2,636,060, Apr. 21.
Battery and manufacturing same, Gastight storage. G. Neumann. 2,636,058, Apr. 21.
Battery and mounting and connection means therefor, Storage. J. L. Rupp. 2,653,988, Sept. 29.
Battery and preventing its self-discharge, Alkaline storage. H. W. G. Hignett and P. Hersch. 2,653,180, Sept. 22.
Battery and producing same, Lead-acid electric storage. E. L. Jolley. 2,650,257, Aug. 25.
Battery boxes. J. M. McColgan. 2,647,091, July 28.
Battery cable clamp. O. L. Peterson. 2,663,854, Dec. 22.
Battery cap. H. A. Kennedy. 2,649,495, Aug. 18.
Battery cell cover and construction, Storage. J. K. Shannon. 2,637,759, May 5.
Battery cell, Primary. G. A. F. Winckler and O. K. Reinhardt. 2,641,623, June 9.
Battery charger. H. M. Huge. 2,653,293, Sept. 22.
Battery charging apparatus. S. L. Christie and F. C. Marshall. 2,650,339, Aug. 25.
Battery charging control responsive to gas pressure. D. G. Thrig. 2,649,565, Aug. 18.
Battery charging system controlled by time and voltage responsive devices. R. A. Harvey. 2,635,221, Apr. 14.
Battery connection. L. M. Temple. 2,649,493, Aug. 18.
Battery connector. J. J. Paterno. 2,628,262, F
Battery connector. H. E. Rutherford. 2,648,05
Battery container. W. B. Elmer. 2,641,625,
Battery, Deferred action. J. J. Coleman and M. 2,637,756, May 5.
Battery, Deferred-action. J. N. Davis. 2,634,30
Battery, Deferred action. M. E. Wilke. 2,637,75
Battery, Deferred action type. J. H. Baldwin. Apr. 21.
Battery, Deferred action type. G. B. Ellis. June 2.
Battery, Double rotary diffusion. H. F. Silver. Nov. 3.
Battery, Dry cell. A. F. Rock. 2,658,936, Nov.
Battery, Dry electric. R. R. Balaguer. 2,628,261
Battery, Electric. P. Robinson. 2,631,180, Ma
Battery, Electric storage. M. S. Godeas. Sept. 29.
Battery, Electrical. W. W. Schroeder. 2,636, 21.
Battery, Electrical storage. F. Booth. 2,647, 28.
Battery, Electrical storage. E. S. Chapman. Nov. 10.
Battery electrode. M. Lang. 2,664,453, Dec.
Battery electrodes and the resulting electrodes, ture of. V. Herold. 2,646,454, July 21.
Battery fabrication, Pile. A. Fischbach. 2,639 19.
Battery filling and venting structure, Storag Lighton. 2,647,159, July 28.
Battery, Flat cell electric. R. Paillet. 2,663,75
Battery grid plate casting and trimming machine G. A. Donath. 2,654,939, Oct. 13.
Battery grid, Storage. H. Stoertz. 2,634,304,
Battery grid trimming machine. H. C. Winkel. May 19.
Battery heater. A. P. Mansoff. 2,626,971, Jan
Battery, Hermetically sealed storage. G. 2,651,669, Sept. 8.
Battery hold-down frame and forming same. gren. 2,657,756, Nov. 3.
Battery indicator. R. P. De Anthony. 2,663,86
Battery insulator tube manufacture. H. J. 2,639,647, May 26.
Battery liquid level indicator. G. E. Maybach Snyder. 2,627,748, Feb. 10.
Battery manufacture. D. B. Cruikshank. Apr. 7.
Battery pigment. M. F. Chubb. 2,640,862,
Battery plate separator. T. E. Philipps. 2, Sept. 29.
Battery, Primary. L. S. Dunham. 2,650,947,
Battery retainer for electric hand lamps. C. G Talbot. 2,628,305, Feb. 10.
Battery separator. J. A. Grant. Re. 23,644,
Battery separator. E. C. Uhlig and L. A. 2,662,106–7, Dec. 8.
Battery separator, Making a. E. C. Uhlig Murray, Jr. 2,662,032, Dec. 8.
Battery separators and the like, Manufacturi Dague. 2,662,929, Dec. 15.
Battery service kit. R. B. Edelmann. 2,646,87
Battery, Storage. J. B. Brennan. 2,640,865,
Battery, Storage. J. D. Moulton. 2,634,303.
Battery, Storage. J. L. Rupp, M. W. Dickov lihnganz, and A. H. Snyder. 2,647,154, Ju
Battery, Storage. J. K. Shannon. 2,637,758,
Battery switch. W. H. Childs, Sr. 2,644,864
Battery terminal clamp. J. M. Johnson. Dec. 1.
Battery terminal connector. H. Lundquist. Oct. 13.
Battery terminal connector. E. A. Sprigg. Aug. 4.
Battery terminal post mounting. H. 2,627,533, Feb. 3.
Battery tester. J. C. Hammond. 2,644,739, Ju
Battery tester. G. W. Linn. 2,632,793, Mar.
Battery testing and filling apparatus, Storage. son. 2,637,760, May 5.
Battery testing method. S. L. Christie and F. 2,644,132, June 30.
Battery, Venting primary. P. A. Marsal and 2,632,784, Mar. 24.
Battery venting system, Electric storage. 2,646,459, July 21.
Battery watering gun. F. Mahan. 2,658,653.
Battery with conductive cement intercell conn D. Arbogast. 2,627,534, Feb. 3.
Battery with conductive tape intercell connec J. J. Coleman and S. Kurlandsky. 2,658,09
Battery with cross-over intercell connectors, E E. Wilke. 2,627,532, Feb. 3.
Batts of silica fibers, Producing. L. Parker. June 30.
Bayonet union for camera objective parts. fennig. 2,643,581, June 30.
Beach cleaning machine. V. H. Chatten. Feb. 10.
Beach tent and umbrella, Combination portable and A. Ernst. 2,652,845, Sept. 22.

Beach towel and beach bag. Combination. V. Kelsey. 2,659,404, Nov. 17.
Beacon receiver, Wide frequency coverage. J. H. Tinlot. 2,656,459, Oct. 20.
Bead chain type article or key holder and display means therefor. T. M. Jubion. 2,624,457, Jan. 6.
Bead construction. T. M. Dunham. 2,657,775, Nov. 3.
Beading roller for cartons. T. W. Goodrich. 2,642,783, June 23.
Beading sheet material cylinders, Method and machine for. R. F. Taber. 2,635,287, Apr. 21.
Beading strip. L. Spraragen. 2,659,117, Nov. 17.
Beam construction, Bogie. W. D. Chaplin. 2,641,481, June 9.
Beam construction, Stabilized. M. R. Wolfard. 2,637,421, May 5.
Beam deflection control. S. I. Tourshou. 2,633,538, Mar. 31.
Beam deflection control. S. I. Tourshou. 2,633,554–5, Mar. 31.
Beam deflector. D. T. Scalise. 2,654,851, Oct. 6.
Beam extractor. W. M. Powell. 2,626,351, Jan. 20.
Beam loader apparatus. E. M. B. Pramuk and F. H. MacLaren. 2,645,935, July 21.
Beam splitting means. H. Schröder. 2,638,030, May 12.
Beam support for knitting machines. J. B. Adam. 2,625,022, Jan. 13.
Beam suspension for vehicles. T. Stigum and G. D. Keerins. 2,660,450, Nov. 24.
Beam traveling wave amplifier tube. A. G. Clavier. 2,654,047, Sept. 29.
Beaming machine. F. Lambach. 2,645,838, July 21.
Bearing: *See*—
Air bearing.
Aluminum base bearing.
Ball bearing.
Cantilever type bearing.
Center scroll bearing.
Double-ball gyro precession axis bearing.
Double flow lubricated unit bearing.
Double row roller bearing.
Duplex bearing.
Equitorque bearing.
Fertilizer distributor bearing.
Floating type roller bearing.
Fluid bearing.
Fluid pressure bearing.
Guard bearing.
Gyro bearing.
Journal bearing.
Line shaft guide bearing.
Multiple race ball bearing.
Multirow cylindrical roller bearing.
Nonfretting antifriction bearing.
Porous chambered bearing.
Pressurized bearing.
Railway car axle bearing.
Resiliently mounted thrust bearing.
Roller bearing.
Sealed bearing.
Self-aligning bearing.
Self-lubricating universal bearing.
Shaft bearing.
Shield antifriction bearing.
Side bearing.
Side mount pillow block bearing.
Spindle bearing.
Split type shaft sleeve bearing.
Taper roller bearing.
Thrust bearing.
Turret roller bearing.
Universal bearing.
Bearing. R. E. Baumheckel. 2,624,643, Jan. 6.
Bearing. A. H. Beebe, Jr. 2,635,020, Apr. 14.
Bearing. G. Cozzo. 2,629,640, Feb. 24.
Bearing. G. J. Knudson. 2,650,866, Sept. 1.
Bearing. M. Morgan and J. M. O'Malley. 2,654,642, Oct. 6.
Bearing. W. F. Pittman. 2,628,136, Feb. 10.
Bearing. E. Sperisen. 2,653,062, Sept. 22.
Bearing. H. C. Tryon. 2,639,955, May 26.
Bearing adjusting means for cylindrical cutters. J. P. Lacelle. 2,630,150, Mar. 3.
Bearing and making same. F. H. Stearns and A. J. Thibault. 2,648,578, Aug. 11.
Bearing and means for lubricating same. J. C. Bartch and G. W. Couch. 2,645,535, July 14.
Bearing and seal assembly. J. D. Johnson. 2,630,356, Mar. 3.
Bearing and steel therefor. K. F. Schauwecker. 2,639,985, May 26.
Bearing and the manufacture thereof, Plated. J. F. Kuzmick. 2,664,326, Dec. 29.
Bearing assembly. C. A. Geist. 2,646,321, July 21.
Bearing assembly. B. E. Ricks. 2,642,318, June 16.
Bearing assembly. W. S. Sutowski. 2,625,449, Jan. 13.
Bearing assembly and lubrication thereof, Tandem. J. H. Powers. 2,628,871, Feb. 17.
Bearing assembly, Antifriction. B. W. Wheelis. 2,659,636, Nov. 17.
Bearing assembly, Connecting rod end. B. W. Barlow and A. E. Barnes. 2,661,253, Dec. 1.
Bearing assembly for absorbing vibrations of centrifuge spindles and the like. J. E. Cook. 2,639,953, May 26.
Bearing assembly with dust shields. W. S. Sutowski. 2,654,644, Oct. 6.
Bearing cleaner. C. D. Schuchman and R. S. France. 2,652,843, Sept. 22.
Bearing-cleaning device and method. P. T. Dailey. 2,652,350, Sept. 15.
Bearing combination. W. M. Wheildon, Jr. 2,648,573, Aug. 11.
Bearing construction. R. H. Merrick. 2,652,228, Sept. 15.
Bearing construction. F. H. Stearns. 2,657,105, Oct. 27.
Bearing construction for disk harrows. W. P. Oehler. 2,644,388, July 7.
Bearing construction, Rotary. M. E. Wollin. 2,652,295, Sept. 15.
Bearing deviation indication system. P. J. Herbst. 2,636,166, Apr. 21.
Bearing for compensating shaft misalignment, Roller. V. L. Barr. 2,659,637, Nov. 17.
Bearing for disk harrows. H. T. McNally. 2,657,957, Nov. 3.
Bearing for disk tools. M. C. Kincaide. 2,657,103, Oct. 27.
Bearing for linear motion, Antifriction. R. C. Magee. 2,628,135, Feb. 10.
Bearing for metal rolling apparatus, Outboard. J. H. Friedman. 2,645,955, July 21.
Bearing for rotatable shafts with lubricators, Sealed. S. M. Terry. 2,639,204, May 19.
Bearing for shafts or spindles equipped with radially spaced overhanging races. V. E. Palumbo. 2,635,018, Apr. 14.
Bearing for surveying instruments, Adjustable. W. Patrosio. 2,639,199, May 19.
Bearing for weeder rods. L. O. Fundingsland. 2,646,737, July 28.
Bearing insert removing and applying tool. L. D. Rookstool. 2,639,498, May 26.
Bearing lubricating device. E. K. Johansen. 2,629,639, Feb. 24.
Bearing lubrication. A. F. Underwood. 2,625,448, Jan. 13.
Bearing mount for disk plows. M. C. Magarian. 2,652,291, Sept. 15.
Bearing mounting. V. L. Crile. 2,627,626, Feb. 10.
Bearing mounting for idler rolls and the like. S. J. Spurgeon. 2,647,808, Aug. 4.
Bearing mounting for rotating machines. A. Fisher. 2,636,791, Apr. 28.
Bearing of the load ball type, Antifrictional. C. M. Townsend. 2,650,865, Sept. 1.
Bearing pile. J. P. Emshwiller. 2,631,435, Mar. 17.
Bearing retainer assembly, Adjustable. W. J. Chievitz. 2,634,178, Apr. 7.
Bearing seal. W. K. Creson and M. W. Berghoff. 2,626,839, Jan. 27.
Bearing seal for underwater use. K. Wernert. 2,647,772, Aug. 4.
Bearing sealing assembly. A. L. Cochrane. 2,637,573, May 5.
Bearing structure, Antifriction. F. W. Recknagel. 2,651,554, Sept. 8.
Bearing structure, Coated. J. E. Brophy and J. Larson. 2,635,929, Apr. 21.
Bearing structure utilizing ball supports. F. W. Guibert. 2,634,177, Apr. 7.
Bearing support for gearing, Adjustable. N. L. Stallsmith. 2,648,230, Aug. 11.
Bearing support for vertical agitating shafts. A. J. Liebman and Joseph W. Dorsey. 2,657,912, Nov. 3.
Bearing surface. J. J. Coppen. 2,631,905, Mar. 17.
Bearing washer. C. E. Fuller and T. J. Sediak. 2,634,738, Apr. 14.
Bearing with temperature compensation, Preloaded. R. C. Sasse. 2,639,203, May 19.
Beater attachment for household food mixers, Portable. W. Van Guilder. 2,632,635, Mar. 24.
Beater means for threshing apparatus, Flailing type. H. M. Dodge and C. Neff. 2,642,877, June 23.
Beater mechanism for softening ice cream. N. E. Spiess, Jr., E. M. Gropen, and K. R. Weaver. 2,657,022, Oct. 27.
Beater mechanism for treating papermaking material. W. V. Knoll. 2,661,665, Dec. 8.
Beater refiner apparatus. D. E. Jones and C. H. Vickery. 2,647,445, Aug. 4.
Beauty aid, Home. E. J. Lavergne. 2,631,583, Mar. 17.
Bed accessory. L. J. Wiener. 2,624,892, Jan. 13.
Bed, Adjustable hospital. A. Deves and S. B. Raduns. 2,633,578, Apr. 7.
Bed adsorber, Rotating. W. E. Edwards. 2,639,000, May 19.
Bed and armchair combination, Convertible. A. Pelliccione. 2,635,674, Apr. 21.
Bed and bath, Portable. L. H. Avila. 2,636,190, Apr. 28.
Bed and cabinet unit, Folding. K. O. E. Jönsson. 2,641,000, June 9.
Bed and housing structure, Portable. W. L. Sheppard. 2,640,999, June 9.
Bed and playpen for children, Car. R. J. Pierce. 2,650,374, Sept. 1.
Bed and seat combination, Folding. A. Winikoff. 2,656,547, Oct. 27.
Bed and seat, Combined folding. A. A. Hopeman, Jr., and J. A. Bohnsack. 2,634,429, Apr. 14.
Bed and seat structure. R. W. Sampson and W. E. Montgomery. 2,641,201, June 9.
Bed and shelter for motor vehicles, Extensible. B. M. Taylor. 2,642,587, June 23.
Bed attachment. M. B. Miskimen. 2,637,859, May 12.
Bed bottom. D. E. Austin. 2,638,606, May 19.
Bed catalyst apparatus, Multiple. A. D. Korin and J. Robell. 2,632,692, Mar. 24.
Bed, Ceiling. V. R. Will. 2,645,787, July 21.
Bed, Chair. J. D. Bell. 2,663,354, Dec. 22.
Bed chair or bed settee. C. Gordon and F. Skidmore. 2,628,368, Feb. 17.

Bedclothes holder. C. Lievsay, Jr. 2,653,363, Sept. 29.
Bedclothes support. M. L. Cobb. 2,642,589, June 23.
Bed clothing support. C. S. Evans. 2,646,578, July 28.
Bed, Collapsible camp. S. Karasek. 2,641,777, June 16.
Bed construction. L. C. St. Martin. 2,633,581, Apr. 7.
Bed, Convertible. L. F. Clerc. 2,652,573, Sept. 22.
Bed, Convertible. M. P. Rochford. 2,657,399, Nov. 3.
Bed, Convertible sofa or chair. J. C. Rogers. 2,634,430, Apr. 14.
Bed convertible to chair, Hospital. C. M. Larrick. 2,656,876, Oct. 27.
Bed cover. L. H. Avila. 2,627,617, Feb. 10.
Bed covering. L. W. McCrory. 2,644,962, July 14.
Bed cushion for automobiles. J. D. De Blieux. 2,648,072, Aug. 11.
Bed, Davenport. S. A. Green. 2,628,367, Feb. 17.
Bed-divan hinge. J. Lund. 2,627,613, Feb. 10.
Bed, Dual. J. L. Driskill. 2,635,256, Apr. 21.
Bed, especially a camp bed. E. Herzog. 2,639,442, May 26.
Bed, Folding. W. D. Driver. 2,634,434, Apr. 14.
Bed, Folding. E. N. Hogensen. 2,627,615, Feb. 10.
Bed, Folding. C. R. Null. 2,628,371, Feb. 17.
Bed for juveniles, Automobile. J. L. Brockmeier. 2,631,304, Mar. 17.
Bed frame. R. A. Nowell. 2,648,073, Aug. 11.
Bed guard. J. D. B. and H. Herz. 2,649,594, Aug. 25.
Bed, Invalid. J. W. Osbon, Jr. 2,635,899, Apr. 21.
Bed, Knockdown bunk. I. J. McLaughlin. 2,647,267, Aug. 4.
Bed lifter. A. B. Bell. 2,650,795, Sept. 1.
Bed, Love seat. P. B. Bebry. Re. 23,616, Jan. 27.
Bed mechanism, Folding. V. Giuseffi. 2,663,032, Dec. 22.
Bed or crib, Child's. V. J. Bukolt. 2,630,582, Mar. 10.
Bed or pen, Child's swinging. J. Arvilla. 2,644,172, July 7.
Bedpan. G. A. Perry. 2,639,439, May 26.
Bedpan device. D. E. Eckart and J. R. Rosenleaf. 2,632,185, Mar. 24.
Bed, Portable and collapsible baby. H. L. Ehrenberg. 2,634,432, Apr. 14.
Bed, Power-operated sectional invalid. C. L. Murray. 2,631,300, Mar. 17.
Bed provided with automatic mattress-clamping means, Sofa. J. M. Pokorny and L. Pokorny, Jr. 2,626,406, Jan. 27.
Bedrail and slat lock. L. Rubinstein. 2,624,890, Jan. 13.
Bedrail, Display. R. W. Norris. 2,654,101, Oct. 6.
Bed, Railroad. P. B. Nunley, Sr. 2,631,783, Mar. 17.
Bed, Self-tilting. D. C. Travis. 2,658,209, Nov. 10.
Bed sheet, Mattress covering. S. J. Harris. 2,624,893, Jan. 13.
Bedside tray-table support. J. L. Whitaker. 2,647,516, Aug. 4.
Bed slat and drawer hanger, Combination. L. H. Gunn. 2,642,588, June 23.
Bed, Sleeping car. O. A. Kuhler and W. E. Burnett. 2,662,584, Dec. 15.
Bed, Sofa. A. M. Bank and A. J. Katz. 2,642,583, June 23.
Bed, Sofa. R. Coopersmith. 2,653,329, Sept. 29.
Bed, Sofa. M. Gursky. 2,661,485, Dec. 8.
Bed, Sofa. J. S. Petersen and H. E. Coshun. 2,642,584, June 23.
Bed, Sofa. R. C. Read and F. J. Gregor. 2,644,169, July 7.
Bed, Sofa. F. J. Reilly. 2,648,071, Aug. 11.
Bedspring, Adjustable. C. B. Reese. 2,630,585, Mar. 10.
Bed spring marginal rim and connections. E. Anspacher. 2,635,258, Apr. 21.
Bedstead. S. J. Post. 2,643,396, June 30.
Bed structure, Folding. P. Seltzer and B. J. Pearlman. 2,632,184, Mar. 24.
Bed structure, Unitary. A. A. Sandow. 2,644,168, July 7.
Bed, Vertically adjustable segmental. H. M. Berner 2,651,785, Sept. 15.
Bed with chest of drawers. F. Wallen. 2,653,331, Sept. 29.
Bed with fluid operated sections, Invalid. N. H. Pardoe. 2,632,898, Mar. 31.
Bed with forward-turning back, Convertible seat. S. A. Kelly, Jr., and W. R. Lindsay. 2,644,170, July 7.
Bed with resilient front panel, Love seat. P. P. Bebry. 2,624,888, Jan. 13.
Bed with shiftable back, Lounge. P. E. and W. J. Dumble, and J. J. Dowling. 2,660,734, Dec. 1.
Bed with shiftable back, Sofa. F. S. Knoll and C. W. Niedringhaus. 2,645,788, July 21.
Bedding supporting apron. H. I. Bows. 2,646,579, July 28.
Beehive comb frame construction. O. Erdmann. 2,641,002, June 9.
Beehive, Stingless. C. A. Garrett. 2,648,076, Aug. 11.
Beehive with heating and ventilating means. C. S. Bowen. 2,628,374, Feb. 17.
Beer tap. J. H. Brown. 2,644,619, July 7.
Beet harvester. C. W. Walz and H. F. Clausen. 2,656,661, Oct. 27.
Beet picker attachment. J. Bratun. 2,646,167, July 21.
Beet topper. H. E. Altgelt. 2,660,853, Dec. 1.
Beet topper. L. Botimer. 2,662,361, Dec. 15.
Beet topper. J. A. Diethelm. 2,629,979, Mar. 3.
Beet topper. N. E. Reynolds and L. R. McRobert. 2,641,099, June 9.
Beet topping machine. H. K. and O. G. North. Nov. 24.
Beet topping mechanism. L. Gransden. 2,663, 29.
Bell ringing apparatus. A. L. Macan. 2,647,4
Bell ringing instrument, Christmas tree. F. L 2,663,013, Dec. 15.
Bellows mechanism for pneumatic transfer pad ing machines. S. T. Carter. 2,654,497, Oct.
Belt. J. Horowitz. 2,659,895, Nov. 24.
Belt. P. L. Hutchins. 2,633,227, Mar. 31.
Belt adjuster. K. R. Montgomery. 2,650,506
Belt and garment, Combined. A. S. Kaufman. Jan. 20.
Belt and pulley drive means for tiltable saws a T. A. Hess. 2,626,639, Jan. 27.
Belt and support therefor, Elastic. D. 2,663,027, Dec. 22.
Belt, Apparel. R. T. Hickok. 2,625,690, Jan
Belt cable take-up and shock absorber, Safety. Sr. 2,659,573, Nov. 17.
Belt, Catamenial napkin. F. M. Stringham. Apr. 7.
Belt charging apparatus. H. S. Smith. 2,64 25.
Belt cleaner. L. E. Green. 2,647,619, Aug.
Belt-clutch, Winch tension retaining. P. 2,632,335, Mar. 24.
Belt, Coated. E. H. Knuth. 2,640,366, June
Belt construction, Flexible endless. C. I. Place. Nov. 10.
Belt construction, Safety. P. E. Sidlinger. Dec. 8.
Belt conveyer driving unit. A. W. Duncan. Aug. 18.
Belt conveyer take-up. R. C. McMillan. 2,633,
Belt-cutting and ripping device. M. C. Ide. Sept. 8.
Belt display rack. H. H. Hanshaw. 2,634,86
Belt dressing and cutting device. E. J. Lomazz Maquat. 2,661,579, Dec. 8.
Belt drive. H. R. Pomeroy. 2,640,512, June
Belt drive for grind mill roll stands. K. 2,655,815, Oct. 20.
Belt-drive power transfer system. E. E. 2,627,186, Feb. 3.
Belt drive, Wire conveyer. R. J. Guba. 2,628,7
Belt, Edge-active. P. B. Reeves. 2,638,007,
Belt, Expansible. L. H. Easlick. 2,629,104,
Belt fastener. C. Boudreau. 2,641,812, June
Belt feed for aircraft guns. D. W. Da 2,649,840, Aug. 25.
Belt, Floating. O. Klabunde. 2,645,791, July
Belt for children, Safety. A. J. and N. 2,649,236, Aug. 18.
Belt for preventing relative movement betwe ments. S. Louis. 2,632,894, Mar. 31.
Belt, Garter. D. R. Trope, F. C. Mock, and I son. 2,654,890, Oct. 13.
Belt gearing. O. L. Gambill. 2,630,720, Mar.
Belt guide. J. E. Smith. 2,644,994, July 14.
Belt, Hunter's. C. E. Ryden. 2,628,749, Feb.
Belt pulley. G. A. Maher. 2,646,689, July 28.
Belt pulley attachment. W. F. Strehlow. July 28.
Belt, Safety. C. E. Sanders and J. C. 2,639,852, May 26.
Belt structure, Elastic. H. A. Boyles. 2,627,
Belt supported battery case. A. L. Kinskie. Jan. 13.
Belt tension equalizing device. C. Klingens. Feb. 24.
Belt tensioner. R. P. Horan. 2,663,195, Dec.
Belt tightener. S. D. Russell. 2,643,551, Ju
Belt tightener and slack adjuster. H. S. 2,639,623, May 26.
Belt type gravimetric feeder. L. E. Harper. May 5.
Belt unloader for control of material flow. H. 2,641,355, June 9.
Belt with drawable safety band, Safety. 2,651,446, Sept. 8.
Belting, Food conveyer. T. M. Knowland. Apr. 7.
Bench, Engine test. C. D. Whitehead. 2,657,
Bench, Interlocking precast concrete. V. 2,659,422, Nov. 17.
Bench stop, Adjustable. H. H. Logan. 2,644,
Bench structure, Greenhouse. H. W. Schroeder May 19.
Bench vise, Cam type of. W. Milus. 2,636,4
Bendable prong paper fastening clip. W. 2,625,723, Jan. 20.
Bending and shearing machine. R. La Lone. Oct. 13.
Bending and tempering glass, Process and ap W. P. Bamford, J. E. Jendrisak, and 2,646,647, July 28.
Bending apparatus. F. J. Bird. 2,659,411, N
Bending machine. W. Peddinghaus and 2,661,786, Dec. 8.
Bending machine having oscillating anvil di rocable ironing die. L. B. Green. 2,638,1

Bending machine, Rod. R. M. Eidal. 2,661,787, Dec. 8.
Bending roll. R. G. Le Tourneau. 2,640,525, June 2.
Beneficiation of coal by flotation. W. T. Bishop. 2,633,240, Mar. 31.
Bent tube dead end connector. C. A. Badeau. 2,635,133, Apr. 14.
Bentonite greases. W. J. Sparks, A. J. Morway, and D. W. Young. 2,626,241, Jan. 20.
Bentonite sulfur. V. J. Russo and J. F. Les Veaux. 2,664,379, Dec. 29.
Benzaldehyde-thiosemicarbazone, Substituted. L. Katz. 2,650,937, Sept. 1.
Benzamide derivatives. N. Steiger. 2,648,708, Aug. 11.
Benzhydryl and 9-fluorenyl tertiary aminoalkanoates, Preparing. E. J. Lawson and A. Addelston. 2,625,547, Jan. 13.
Benzidine type compounds, Manufacturing. M. D. Farkas and J. Deich. 2,640,081, May 26.
Benzil, Manufacture of. D. X. Klein, T. A. Girard, and H. R. Johnson. 2,658,920, Nov. 10.
Benzocaine anesthetic solution. J. R. Reasenberg. 2,628,182, Feb. 10.
Benzoic esters. A. A. Schreiber. 2,659,689, Nov. 17.
Benzoic-p-sulfonamide, Production of. H. Feichtinger and S. Puschhof. 2,664,439, Dec. 29.
Benzoins and furoins, Preparation of. C. J. Schmidle. 2,661,354, Dec. 1.
Benzooxaheterocyclic bases and acid addition salts thereof. A. Pohland. 2,633,468, Mar. 31.
Benzothiazole derivatives and manufacture. N. Steiger and O. Keller. 2,653,154, Sept. 22.
Benzothiazole derivatives and production. N. Steiger. 2,652,401, Sept. 15.
Benzyl alcohol extraction of antipernicious anemia concentrate. F. R. Koniuszy, N. G. Brink, and K. Folkers. 2,654,690, Oct. 6.
Benzyl hydroxy diphenyl polyglycol ethers. K. H. E. Hansen, O. L. Drapal, K. W. Hintzmann, and R. Wegler. 2,630,457, Mar. 3.
Berry-picking machine. W. C. Hoyt, Sr. 2,635,750, Apr. 21.
Berrypicking machine. F. McDowell. 2,660,021, Nov. 24.
Berth and seating unit, Folding. W. J. Williams. 2,660,733, Dec. 1.
Berth, Folding. A. A. Hopeman and J. A. Bohnsack. 2,652,572, Sept. 22.
Berth mounting structure. J. W. Patton and R. G Cudini. 2,632,183, Mar. 24.
Berth structure. R. G. Cudihi. 2,650,370, Sept. 1.
Berthable chair. V. L. R. James. 2,629,425, Feb. 24.
Beryllium basic acetate, Producing. H. C. Kawecki. 2,641,611, June 9.
Beryllium fluoride, Preparation of. G. Barr. 2,653,856, Sept. 29.
Beryllium fluoride, Preparing. H. C. Kawecki. 2,647,818, Aug. 4.
Beryllium oxide, Preparing. H. C. Kawecki. 2,647,821, Aug. 4.
Bessemer converter. R. Lewis. 2,641,461, June 9.
Beta-(arylsulfonyl) carboxylic acids and salts thereof, Preparing. J. T. Gregory. 2,659,752, Nov. 17.
β,β'-bis(alkylmercapto)diethyl ether, Preparation of. E. L. Doerr. 2,653,978, Sept. 29.
Beta-4-morpholinoethyl-benzoate salt of penicillin. H. W. Rhodehamel, Jr. 2,654,752, Oct. 6.
β - haloethoxyethyl - N - phenylcarbamate. J. M. Butler. 2,634,289, Apr. 7.
Beta-halo propionic acids and derivatives as plant growth regulants. W. D. Stewart. 2,636,816, Apr. 28.
β-hydroxyethyl-thio-anthraquinones. V. S. Salvin and E. F. Landau. 2,640,060, May 26.
Beta-ketoalkyl-quinazolones and acid salts thereof and making the same. B. R. Baker and M. V. Querry. 2,651,632, Sept. 8.
Beta keto esters of thiophenes, Preparing. A. H. Homeyer. 2,630,437, Mar. 3.
Beta-mercaptopropionitrile and their preparation. W. W. Crouch and R. T. Werkman. 2,630,452, Mar. 3.
Beta monoethers of glycerols, Production of. R. C. Morris and J. L. Van Winkle. 2,634,296, Apr. 7.
Beta-(ortho-methoxy)phenyl-isopropyl benzyl alkyl amines and salts thereof. R. V. Heinzelmann. 2,625,566, Jan. 13.
Beta-phenyl-gamma-nitroaldehydes. O. A. Moe and D. T. Warner. 2,628,980, Feb. 17.
β-(2-methylpiperidino) ethylmethylphenylamine salt of penicillin. H. W. Rhodehamel, Jr. 2,654,744, Oct. 6.
Bevatron acceleration regulation. G. M. Farly. 2,658,999, Nov. 10.
Bevel siding, Prefabricated. J. F. Holland. 2,636,226, Apr. 28.
Beverage. A. Schapiro. 2,647,058, July 28.
Beverage container. F. Jonker. 2,659,507, Nov. 17.
Beverage cooler. C. Boling. 2,663,548, Dec. 22.
Beverage cooler and dispenser, Controlled temperature. R. R. Hull. 2,629,229, Feb. 24.
Beverage defoaming device. R. E. Renard. 2,660,352, Nov. 24.
Beverage dispenser. G. Persak, Jr. 2,648,528, Aug. 11.
Beverage maker. T. L. Titus. 2,628,553, Feb. 17.
Beverage mixing container. H. C. Atkins, Jr. 2,631,521, Mar. 17.
Beverage pot with insulated cover handle. J. N. Polivka. 2,626,088, Jan. 20.
Beverage unit for motor vehicles, Hot. W. R., J. C., and A. R. Allred. 2,661,015, Dec. 1.
Bezel for indicating instruments. G. E. Ford. 2,654,253, Oct. 6.
Bezel retaining means for instrument cases. J. J. Jankot. 2,657,827, Nov. 3.
Bias sisal buff. J. R. Davies. 2,642,706, June 23.
Bib and apron, combination. H. L. Berman. 2,648,845, Aug. 18.
Bib and bottle holding device. H. Daust. 2,631,288, Mar. 17.
Bib and tissue dispenser, Unitary. R. R. Tonkens and A. N. Gunther. 2,651,039, Sept. 8.
Bib apron and fasteners therefor. H. M. Thompson. 2,643,384, June 30.
Bib, Baby. L. C. McMahon. 2,653,324, Sept. 29.
Bib, Infant's. E. N. Hudson. 2,629,870, Mar. 3.
Bib, Reversible. B. S. Eskey. 2,635,243, Apr. 21.
Bibenzothiazoles and producing the same. N. Steiger. 2,655,505, Oct. 13.
Bicycle and the like hub, Dismountable. L. Juy. 2,630,020, Mar. 3.
Bicycle kick stand construction. G. R. Adzima. 2,657,941, Nov. 3.
Bicycle lock. E. Paulson. 2,647,390, Aug. 4.
Bicycle, Manually energized and spring operated. J. H. Crumble. 2,638,350, May 12.
Bicycle rack. S. M. and R. M. Risvold. 2,639,813, May 26.
Bicycle support and brake, Combination. B. Champoux. 2,633,934, Apr. 7.
Bicycle, Water. R. S. Skinner. 2,663,278, Dec. 22.
Bicycle wheel brace. J. C. D'Esposito. 2,660,297, Nov. 24.
Bicycle wheel brace. B. F. Kells and N. M. Sider. 2,629,487, Feb. 24.
Biguanide salts of penicillin. J. F. Weidenheimer and L. Ritter. 2,631,146 Mar. 10.
Bile acids from bile, Preparation of. K. H. Slotta and J. Jager. 2,632,764, Mar. 24.
Billet marker. J. E. Whittaker. 2,641,995, June 16.
Billfold. H. S. Cox. 2,654,409, Oct. 6.
Billfold. L. Klein. 2,629,419, Feb. 24.
Billfold having an expansible pocket. D. J. Broughton. 2,625,974, Jan. 20.
Billfold retainer clip. R. L. Hatfield. 2,655,705, Oct. 20.
Billiard cue chalking means. W. G. Bell. 2,628,096, Feb. 10.
Billiard table leveling apparatus. E. H. Acland. 2,627,407, Feb. 3.
Billing and inventorying stock, Method of and apparatus for. H. W. Wolf. 2,627,224, Feb. 3.
Bimetallic element. M. J. Stumbock and W. L. Perrine. 2,646,615, July 28.
Bimetallic fastener. H. F. Fruth. 2,652,740, Sept. 22.
Bimetallic switch. O. J. Alvarez. 2,627,002, Jan. 27.
Bimorph element. G. N. Howatt. 2,633,543, Mar. 31.
Bin dispenser. J. C. Simon. 2,662,667, Dec. 15.
Bin, Grain. J. W. Denning. 2,635,302, Apr. 21.
Bin having rakes for moving the surface ice, Ice storage. E. C. Stover. 2,646,899, July 28.
Bin, Multiple unit wall. S. F. Williams. 2,627,982, Feb. 10.
Bin, Stock. L. T. Almas. 2,662,671, Dec. 15.
Bin, Storage. J. Greaves. 2,654,917, Oct. 13.
Bin, Storage. C. R. Seaborne. 2,651,447, Sept. 8.
Bin, Tiltable. L. A. Philipp. 2,646,332, July 21.
Bin unloading apparatus. H. G. Schoonenwolf. 2,632,555, Mar. 24.
Binary counter, Single tube. B. M. Gordon. 2,662,983, Dec. 15.
Binary magnetic system. V. C. Wilson. 2,652,501, Sept. 15.
Binary multiplying circuit. G. C. Hartley and W. J. Reynolds. 2,638,267, May 12.
Binder. H. Thomsen. 2,630,336, Mar. 3.
Binder follower. C. J. Panfil, Sr. 2,647,518, Aug. 4.
Binder for filler materials in tubular welding rods. H. S. Avery. 2,642,516, June 16.
Binder for hay balers, Automatic. W. O. Pope. 2,651,252, Sept. 8.
Binder for link chains. W. Call. 2,651,089, Sept. 8.
Binder hanger for loose-leaf sheet calendars. O. P. Winford. 2,626,818, Jan. 27.
Binder, Load. F. L. Le Bus. 2,630,609, Mar. 10.
Binder-strap joint-forming tool. W. C. Childress. 2,662,431, Dec. 15.
Binder wire for attachment to shoes, Preparing. H. R. Levesque. 2,661,031, Dec. 1.
Binding and stemming machine. G. Angiolino and J. Galuppo. 2,653,439, Sept. 29.
Binding books. L. E. Pitner. 2,645,795, July 21.
Binding device for leaves and making the same. A. Gomez. 2,629,382, Feb. 24.
Binding for loose leaves. J. Minkoff. 2,648,338, Aug. 11.
Binding for luggage seams and the like. R. J. Vojta. 2,662,620, Dec. 15.
Binding machine, Coil. F. E. Wirtz and J. M. Klover. 2,633,530, Apr. 21.
Binding means for containers. G. De Lafosse. 2,654,926, Oct. 13.

Binding strip for spring mattress structures. J. G. Platt. 2,651,059, Sept. 8.
Binding turning machine as employed in the manufacture of footwear. C. G. Greatholder. 2,659,910, Nov. 24.
Bingo board with pivoted shutter. E. P. Buchmiller. 2,634,131, Apr. 7.
Binocular, Adjustable head-supported. J. E. Gaylor. 2,625,855, Jan. 20.
Binocular observation instrument. J. W. French. 2,661,657, Dec. 8.
Binocular tube for microscopes. W. Bauersfeld. 2,634,654, Apr. 14.
Biologically active compositions. W. D. Stewart. 2,650,876, Sept. 1.
Biologically active coumarine and product thereof, Method of manufacture of. K. Fučik and L. Lábler. 2,647,131, July 28.
Bio-oxidation of steroids. W. J. Haines and M. H. Kuizenga. 2,658,022, Nov. 3.
Biosynthesized feed and making the same. G. I. de Becze. 2,626,868, Jan. 27.
Biosynthesized product, Making. G. I. de Becze. 2,636,823, Apr. 28.
Bipiperidine derivatives. M. W. Goldberg and L. M. Jampolsky. 2,624,734, Jan. 6.
Bird cage accessory. H. E. Smithson. 2,624,310, Jan. 6.
Bird feeder. R. M. Mayes. 2,634,705, Apr. 14.
Bird nest frame. B. W. Howling and M. C. Howling. 2,642,038, June 16.
Bis(alkoxy-benzamido) - stilbenedisulfonates, Manufacture of. R. R. Merner. 2,635,113, Apr. 14.
Bis-cyanine dyes and preparation. G. H. Keyes and L. G. S. Brooker. 2,652,396, Sept. 15.
Bis(dialkyl phosphate) esters of alkylidene diphenols. A. D. F. Toy. 2,643,265, June 23.
Bis-hydrazones. H. Jensch. 2,655,538–40, Oct. 13.
Bis-hydroxytetrahydroisoquinolyl-alkanes. P. N. Craig and F. P. Nabenhauer. 2,659,728, Nov. 17.
Bisnorchola-4,6-dien-3-one-22-al. R. H. Levin and A. V. McIntosh, Jr. 2,624,748, Jan. 6.
Bis-quaternary ammonium compounds. M. W. Goldberg and L. M. Jampolsky. 2,624,763, Jan. 6.
Bis - quaternary salts of 1 : 10 - bis - (dialkylamino) - 5 : 6-dithia-decane. A. L. Morrison and K. J. M. Andrews. 2,648,710, Aug. 11.
Bis - (substituted - phenylalkylamino) - compounds. P. N. Craig and F. P. Nabenhauer. 2,653,977, Sept. 29.
Bis-(substituted phenyl)-thioureas. C. F. Huebner, R. H. Mizzoni, R. P. Mull, and C. R. Scholz. 2,662,096, Dec. 8.
Bis-(substituted tetrahydro-1,3-oxazino)-methanes, Preparing. H. D. Hartough, J. J. Dickert, Jr., and S. L. Meisel. 2,647,118, July 28.
Bis (tetraalkyldiamidophosphoryl) alkanephosphonates. H. Tolkmith. 2,654,781, Oct. 6.
Bis (trichlormethyl) sulfone. W. R. James. 2,628,982, Feb. 17.
Bis-triorganosilylamines. L. N. Sommer. 2,634,283, Apr. 7.
Bis(2-hydroxy-d-methylbenzyl)benzenes. C. L. Moyle. 2,634,297, Apr. 7.
Bismuth stannate and compositions employing same. W. W. Coffeen and H. W. Richter. 2,658,833, Nov. 10.
Bistable circuits. R. L. Best. 2,647,999, Aug. 4.
Bit: *See*—

Auger bit.	Rock drill bit.
Core bit.	Rock drilling bit.
Cutter bit.	Roller bit.
Detachable rock drill bit.	Rotary cutter bit.
Double-acting drill bit.	Rotary drilling bit.
Drill bit.	Rotary earth boring bit.
Drilling bit.	Rotary rock drilling bit.
Expansible rotary drill bit.	Square hole drilling bit.
Hydraulic rotary rock bit.	Tandem expansible rotary drill bit.
Milling bit.	Tool bit.
Multiple expansion rotary drill bit.	Wood bit.

Bit and bit clamp. J. D. Dann. 2,658,740, Nov. 10.
Bit brace having a chuck with sliding actuator. A. M Stoner and G. S. Haviland. 2,629,414, Feb. 24.
Bit for bridles. E. B. Flatt. 2,625,780, Jan. 20.
Bit for rotary tube cleaners. V. H. Baker. 2,629,887, Mar. 3.
Bit holder. P. G. J. Griffiths. 2,652,671, Sept. 22.
Bit lifter and stabber. V. Smoot. 2,661,188, Dec. 1.
Bits for mining drills, Manufacture of. E. J. Huckshold 2,626,533, Jan. 27.
Bitt-chock. C. G. Halpine. 2,649,069, Aug. 18.
Bituminous materials and preparing the same. F. H. MacLaren and M. L. Kalinowski. 2,658,026, Nov. 3.
Bituminous product surfaced with mineral granules and making same. M. C. Higgs and G. Hartwright. 2,664,362, Dec. 29.
Bituminous saturant. J. C. Roediger. 2,658,857, Nov. 10.
Blackboard supporting structure. L. F. Urbain. 2,651,852, Sept. 15.
Black oxide of iron, Preparation of. L. M. Bennetch. 2,631,085, Mar. 10.
Blade adjusting means for safety razors. H. B. Carter. 2,657,459, Nov. 3.
Blade and heat exchange means therefor, Fluid-cooled. H. Rosskopf. 2,650,803, Sept. 1.
Blade and tool holder. J. B. Weems. 2,651,108, Sept. 8.
Blade angling and tilting mechanism for bulldozers. B. L. Pryor. 2,636,289, Apr. 28.
Blade apparatus. A. G. Thorp, II. 2,642,263, June 16.
Blade assembly for disconnect switches. G. E. Heberlein. 2,658,964, Nov. 10.
Blade Control for road graders and the like, Automatic. F. V. Bell. 2,636,290, Apr. 28.
Blade control unit for bulldozing machines. R. G. Le Tourneau. 2,624,961, Jan. 13.
Blade, Cutting-off. J. M. Luers. 2,632,233, Mar. 24.
Blade-dispensing magazine. J. Muros. 2,625,260, Jan. 13.
Blade dispensing magazine with feed slide. J. Muros. 2,624,453, Jan. 6.
Blade dispensing package. J. Muros. 2,664,192, Dec. 29.
Blade engageable electric connector. S. S. Fortino. 2,645,760, July 14.
Blade for carving tools, Chisel type. P. H. Unsinger. 2,634,775, Apr. 14.
Blade for turbines or compressors. A. A. Griffith. 2,660,400, Nov. 24.
Blade holder. A. M. Forst. 2,637,105, May 5.
Blade holder and sheath, Razor. H. F. Cuntz. 2,628,423, Feb. 17.
Blade mount for check forming machines, Adjustable. C. F. and M. L. Rhyno. 2,632,264, Mar. 24.
Blade mounting structure for linoleum and asphalt tile remover. T. C. Rush. 2,642,272, June 16.
Blade pitch control mechanism. V. S. Mosinskis. 2,658,576, Nov. 10.
Blade retention means with increased stiffness. W. E. Diefenderfer. 2,628,688, Feb. 17.
Blade retention means with increased stiffness. C. M. Kearns, Jr. 2,652,123, Sept. 15.
Blade sharpener and making the same. L. J. Raab. 2,654,194, Oct. 6.
Blade sharpening device. R. B. Smith. 2,645,063, July 14.
Blading for compressors, turbines, and the like. F. H. Keast. 2,663,493, Dec. 22.
Blading for hydraulic torque converters. V. J. Jandasek. 2,663,148, Dec. 22.
Blank feeding mechanism. A. F. Shields. 2,650,093, Aug. 25.
Blank feeding mechanism for folding box machines. T. R. Baker and E. J. Pagendarm. 2,624,249, Jan. 6.
Blank for box production. C. L. Gilbert. 2,649,240, Oct. 20.
Blank forming apparatus. J. R. Baumgartner. 2,655,842, Aug. 18.
Blank forming apparatus. C. W. Eade and W. W. Schug. 2,657,403, Nov. 3.
Blank magazine for folding box machines. T. R. Baker and E. J. Pagendarm. 2,642,285, June 16.
Blanking arrangement for subscription television receivers. A. Ellett. 2,649,498, Aug. 18.
Blanking die. J. S. Judd. 2,656,887, Oct. 27.
Blanket and harness, Baby. H. D. Routman. 2,643,398, June 30.
Blanket covering retainer device for baby cribs. W. Zurzolo. 2,637,047, May 5.
Blanket tensioning means. W. F. Huck, F. Heller, and A. J. Albrecht. 2,627,230, Feb. 3.
Blast and dust control plug. A. L. Madill. 2,632,390, Mar. 24.
Blast cleaning. F. Newell. 2,652,662, Sept. 22.
Blast furnace operation. H. F. West and J. H. Veale. 2,660,534, Nov. 24.
Blast gun, Fluid pressure actuated. J. E. C. Nesham. 2,650,615, Sept. 1.
Blasting cap. A. J. Barocca and F. R. Seavey. 2,660,118, Nov. 24.
Blasting cap assembly. L. S. Cagle. 2,633,800, Apr. 7.
Blasting control device. L. F. Miller. 2,636,075, Apr. 21.
Blasting machine. R. A. Schmitt, J. P. Swed, and C. P. Williams. 2,644,117, June 30.
Blasting shell and firing mechanism therefor. K. C. Bugg. 2,645,181, July 14.
Blasting shell and timing means therefor. K. C. Bugg. 2,625,104, Jan. 13.
Bleaching cellulose derivatives. R. H. Jenkins, Jr. 2,662,884, Dec. 15.
Bleaching equipment, Potato chip. H. D. Furniss. 2,639,656, May 26.
Bleaching process for eggs. H. J. Almquist. 2,655,449, Oct. 13.
Bleaching silver images with p-sulfo-phenyl quinones or p-nitrose phenols. 2,625,477, Jan. 13.
Blended polymers, Preparing. C. H. Basdekis. 2,637,717, May 5.
Blended tile, Making. C. H. Burchenal. 2,654,912, Oct. 13.
Blending and/or warming extrusion device for plastics or the like. C. F. Schnuck and W. C. Whittum. 2,662,243, Dec. 15.
Blending benzene hexachloride and a carrier. M. Zakheim. 2,627,488, Feb. 3.
Blending hopper. K. G. Lytton. 2,645,820, July 21.
Blending textile fibers. R. C. Wilkie. 2,636,222, Apr. 28.
Blends of elastomers with modified phenolic resins. D. W. Young and R. G. Newberg. 2,657,185, Oct. 27.
Blends of polyamides and polymeric polyamines. B. Graham. 2,636,873, Apr. 28.

Blends of polybutadiene and butadieneacrylonitrile copolymer. F. W. Banes, A. M. Gessler, and W. F. Fischer. 2,657,190, Oct. 27.
Blends of resinous styrene-conjugated diene copolymers and rubbery materials. W. J. Sparks, A. H. Gleason, and P. K. Frolich. 2,661,339, Dec. 1.
Blind construction. R. A. Curtis, Jr. 2,633,191, Mar. 31.
Blind construction. H. Nelson. 2,631,661, Mar. 17.
Blind drape and curtain rod holder. C. E. Wolford. 2,661,922, Dec. 8.
Blind landing and approach system. H. Wilkie. 2,654,084, Sept. 29.
Blind landing system. R. A. Emmett, Jr. 2,644,155, June 30.
Blind landing system. E. Richon. 2,657,381, Oct. 27.
Blind nut retaining device. H. J. Murphy. 2,635,667, Apr. 21.
Blind or awning, Adjustable. K. W. Pettigrew and C. A. Kilvert, Jr. 2,631,341, Mar. 17.
Blind rivet with clincher. M. C. Ketchum and J. O. Huffman. 2,652,741, Sept. 22.
Blind riveted joint. W. C. Hale, Jr. 2,640,618, June 2.
Blind stitch attachment for sewing machines. H. H. Russell. 2,652,796, Sept. 22.
Blind stitch machine. A. Greco. 2,658,464, Nov. 10.
Blind stitcher. H. N. Johnson. 2,646,015, July 21.
Block: *See*—
- Adjustable gauge block.
- All weather salt block.
- Building block.
- Chimney block.
- Cutting block.
- Forehearth burner block.
- Interlocking block.
- Irrigation ditch block.
- Pulley block.
- Quench block.
- Reciprocating block.
- Sanding block.
- Sandwich cutting block.
- Sheet metal pillow block.
- Single reed cell block.
- Snatch block.
- Terminal pin block.
- Traveling block.
- Universal sheave block.

Block assembly. S. S. Levy. 2,627,176, Feb. 3.
Block lift, Building. D. A. Allen. 2,652,278, Sept. 15.
Blockmaking machine, Glue. R. G. Reed and F. C. Crowley. 2,637,352, May 5.
Block or tile, Acoustic. C. C. Creamer. 2,657,759, Nov. 3.
Block producing machine, Double angular cut glue. E. J. Stauffer. 2,634,769, Apr. 14.
Block structure, Reinforced hollow. H. H. Walthers. 2,635,451, Apr. 21.
Blocking hats, Method and means for. J. Masini. 2,653,737, Sept. 29.
Blocking-layer rectifier. R. Duval. 2,656,494, Oct. 20.
Blocking machine, Hat. J. Sarnelle. 2,639,064, May 19.
Blood container and making the same. A. F. Smith. 2,642,866, June 23.
Blood extracting device. R. H. Volgenau. 2,639,709, May 26.
Blood lancet. G. W. Jacoby, Jr. 2,646,799, July 28.
Blood pressure measuring apparatus. W. A. Baum. 2,625,153, Jan. 13.
Blood pressure inking device. C. Epstein. 2,624,334, Jan. 6.
Blood sampling apparatus. M. L. Turner and R. F. McGrew. 2,655,152, Oct. 13.
Blood strainer and drip meter. F. A. Cutter. 2,644,586, July 7.
Blood transfer apparatus. P. F. Salisbury. 2,625,932, Jan. 20.
Blood transfer mechanism. P. F. Salisbury. 2,625,933, Jan. 20.
Bloom inhibited chocolate. S. T. Cross. 2,626,216, Jan. 20.
Blossom preserving and display container. J. K. Newhall. 2,632,286, Mar. 24.
Blouse and slip, Combination. S. A. Wiesenfeld. 2,632,892, Mar. 31.
Blow-on contact structure. F. J. Pokorny. 2,664,479, Dec. 29.
Blowout preventer, Inside. A. L. Smith. 2,647,728, Aug. 4.
Blowpipe. E. Meincke and H. T. Smith. 2,643,622, June 30.
Blowpipe employing adjuvant powder for thermochemically removing material. D. H. Fleming, Jr. 2,654,329, Oct. 6.
Blowpipe, Rock piercing. R. O. Wyland, Jr. 2,628,817, Feb. 17.
Blow plate for core blowing machines. W. P. Morton. 2,636,230, Apr. 28.
Blowtorch with elastic air supply jacket, Liquid fuel. H. B. Lange and R. E. Christian. 2,627,304, Feb. 3.
Blower. J. G. Sawyer. 2,627,487, May 5.
Blower. C. E. Wilken. 2,628,419, Feb. 17.
Blower. C. E. Wilken. 2,628,769, Feb. 17.
Blower blade fastening device. J. H. Anderson. 2,661,147, Dec. 1.
Blower casing. O. C. Palmer. 2,631,776, Mar. 17.
Blower, Centrifugal. N. B. Wales, Jr. 2,632,598, Mar. 24.
Blower control system, Soot. C. L. Howse. 2,640,217, June 2.
Blower-filter unit. G. L. Schwarz. 2,641,404, June 9.
Blower for cleaning overhead surfaces of enclosures, Updraft traveling. G. B. Holtzclaw. 2,635,275, Apr. 21.
Blower intake port. J. E. Whitfield. 2,642,003, June 16.
Blower, Pressure. T. L. Menge. 2,634,903, Apr. 14.
Blower structure. S. P. Campbell. 2,656,095, Oct. 20.
Blower, Variable capacity. E. L. Payne. 2,649,242, Aug. 18.
Blower wheel and supporting and driving means therefor. G. M. Stevenson and W. F. McFarlane. 2,661,894, Dec. 8.
Blower wheel construction. C. I. Place. 2,637,489, May 5.
Blowing-in banked blast furnaces. W. A. Abbett, Jr., and F. C. Diaz. 2,660,524, Nov. 24.
Blown arc lamp. E. Gretener. 2,663,792, Dec. 22.
Blown tall oil reaction products. W. H. Kirkpatrick and E. T. Kocher. 2,627,514, Feb. 3.
Board: *See*—
- Adjustable ironing board.
- Asphalt building board.
- Baseball game board.
- Boxcar running board.
- Building board.
- Cement finishing knee board.
- Chance controlled game board.
- Collapsbile ironing board.
- Collating writing board.
- Coloring board.
- Composite wooden board.
- Control board.
- Cribbage board.
- Electrically indicating dart game board.
- Folding ironing board.
- Folding peg board.
- Hosiery board.
- Insert board.
- Ironing board.
- Magnetic game board.
- Network calculating board.
- Order board.
- Pattern tracing board.
- Payroll board.
- Plug-in distribution panel board.
- Sectional collapsible pressing board.
- Shirt board.
- Ski practice board.
- Spotting board.
- Steam finishing board.
- Tally board.
- Three-dimensional checker or chess game board.
- Triple entry posting board.
- Vacuum spotting board.
- Visual control board.

Board fastening machine. A. E. Cranston, Jr. 2,631,283, Mar. 17.
Board for multitap transformer construction, Terminal. D. L. Meeks. 2,633,481, Mar. 31.
Boarding ladder for boats, Permanent built-in folding. N. Robinson and P. R. Lutters. 2,627,831, Feb. 10.
Boat. F. Hermann. 2,642,590, June 23.
Boat anchor. D. D. McRae. 2,656,811, Oct. 27.
Boat bailer, Automatic. J. J. Cuneo. 2,655,121, Oct. 13.
Boat bailing attachment for outboard motors. E. C. Kiekhaefer. 2,627,242, Feb. 3.
Boat, Collapsible. M. N. Stanley. 2,644,177, July 7.
Boat construction and control of sails. L. Sveinsson. 2,646,763, July 28.
Boat-davit of the rotation and gravity type, Trestle. D. Barricelli. 2,650,377, Sept. 1.
Boat, Folding. H. C. May. 2,636,192, Apr. 28.
Boat for swimmers, Self-propelled. J. B. Waters. 2,645,792, July 21.
Boat handling apparatus. C. A. Voigt. 2,632,900, Mar. 31.
Boat, High-speed motor. H. A. Becker. 2,634,698, Apr. 14.
Boat launching and beaching apparatus, Portable. D. A. Lee. 2,658,354, Nov. 10.
Boat propelling and steering mechanism. F. S. Ball. 2,654,335, Oct. 6.
Boat propelling mechanism, Manually operated. J. F. Prenosil, Sr. 2,664,064, Dec. 29.
Boat, Sectional. B. L. Sommer. 2,650,376, Sept. 1.
Boat supporting bracket. W. H. Sass. 2,634,010, Apr. 7.
Boat structure. B. Frees, Jr., and I. O. Fiolo. 2,654,102, Oct. 6.
Boat trailer. W. H. Miller. 2,660,443, Nov. 24.
Boat trailer, Amphibious. C. R. Livermon. 2,644,176, July 7.
Boat trailer assembly. F. L. Wright. 2,641,373, June 9.
Bob pin machine. O. V. Gasser and D. C. Evans. 2,633,876, Apr. 7.
Bobbin. J. W. Bourassa. 2,652,213, Sept. 15.
Bobbin. W. B. Broadbent and B. H. Sing. 2,659,547, Nov. 17.
Bobbin. W. F. Stahl and F. V. Collins. 2,644,651, July 7.
Bobbin clutch. G. Magrath. 2,624,520, Jan. 6.
Bobbin device. C. S. Zick. 2,626,762, Jan. 27.
Bobbin, Doubled bushed center core. L. F. Burlein. 2,661,912, Dec. 8.
Bobbin drive for winding machines. W. W. Egee. 2,650,035, Aug. 25.
Bobbin hanger. D. G. Sousloff, A. C. White, and R. G. Hilbert. 2,649,253, Aug. 18.
Bobbin holder. J. Manzella. 2,626,062, Jan. 20.
Bobbin holder. W. Rickenback. 2,640,507, June 2.
Bobbin holder for looping machines. E. E. Sutphin. 2,628,579, Feb. 17.
Bobbin or spool. W. H. Miller. 2,626,113, Jan. 20.
Bobbin signal. R. C. Campbell. 2,647,482, Aug. 4.
Bobbin stripper. W. V. Goodhue and R. E. Morton. 2,638,658, May 19.
Bobbin stripper. W. V. Goodhue and R. E. Morton. 2,638,937, May 19.
Bobbin stripping apparatus. E. Root, III. 2,634,489, Apr. 14.
Bobbin supporting mechanism for automatic yarn winders. F. F. Stange. 2,632,612, Mar. 24.
Bobbin, Textile. C. K. Dunlap. 2,624,525, Jan. 6.
Bobbin, Textile. C. K. Dunlap. 2,626,764, Jan. 27.
Bobbin winding machine and bobbin supply means therefor. B. A. Peterson. 2,627,380, Feb. 3.

Bobbins, Making warp. W. H. Maxson. 2,638,664, May 19.
Bobby pin. R. J. Portaro. 2,650,596, Sept. 1.
Bobby pin box. L. R. Westby. 2,629,389, Feb. 24.
Bobby pin container. J. E. Heavens, Jr. 2,647,524, Aug. 4.
Bobby pin dispenser. F. H. Gouverneur. 2,631,592, Mar. 17.
Bobby pin holder. P. A. Epps, Jr. 2,624,346, Jan. 6.
Bobby pin setter. F. Redo. 2,632,451, Mar. 24.
Bobby pin spreader and holder. A. Swanson and A. F. Heffernan. 2,662,533, Dec. 15.
Body for delivery trucks. W. O. Mashburn, Jr., G. A. Broetzler, and K. Kinnaird. 2,650,856, Sept. 1.
Body for rockets and rocketlike vehicles. F. Kraemer. 2,627,231, Feb. 3.
Body support and cover clamp for vacuum cleaners. P. Bonin and X. Randria. 2,653,342, Sept. 29.
Body support for caskets, Adjustable. C. B. Quaka. 2,636,246, Apr. 28.
Body-supporting assemblage, Portable. H. A. Almoslino. 2,651,058, Sept. 8.
Body treating apparatus. H. L. Gordon. 2,642,863, June 23.
Body warmer. P. A. Siple. 2,648,325, Aug. 11.
Bogey for multiaxle trucks, Driven steerable. W. M. Brown. 2,648,392, Aug. 11.
Boiler: *See*—
- Domestic heating boiler.
- Humidifier boiler.
- Plate type, undulating flue boiler.
- Upright boiler.
- Water tube boiler.

Boiler. I. L. Langvand. 2,633,831, Apr. 7.
Boiler. K. N. Smith and A. L. Oberbeck. 2,638,077, May 12.
Boiler and toaster, Automatic. E. O. Beer. 2,662,465, Dec. 15.
Boiler control apparatus. W. S. Smoot. 2,660,378, Nov. 24.
Boiler device, Automatic refueling. W. F. Krautter, W. I. E. Kamm, and K. Staiger. 2,663,363, Dec. 22.
Boiler feed, Automatic. P. H. Williams. 2,639,675, May 26.
Boiler feed system. H. Hillier. 2,656,823, Oct. 27.
Boiler for steamships, Tube type. R. M. Clauser and P. A. Petersen. 2,658,988, Nov. 10.
Boiler skimmer. A. A. Giesen. 2,624,322, Jan. 6.
Boiler supplied with combustion gases at elevated pressure, Steam. E. Mercier. 2,632,427, Mar. 24.
Boiler water treatment. P. G. Bird. 2,627,502, Feb. 3.
Boiler with combustion preheater, Horizontal flue. T. Kleinen. 2,643,645, June 30.
Boiler with control to prevent overheating. E. B. Tidd. 2,650,576, Sept. 1.
Boiler with fusible metal actuated control. A. Cohen and P. S. Foster. 2,649,845, Aug. 25.
Boiler with vertical fire tubes and horizontal water baffles, Stand. S. J. Jacoby. 2,625,138, Jan. 13.
Boiler with vertical flue, circulating coil, and indirectly heated domestic supply, Stand. C. Z. Alexander. 2,642,046, June 16.
Boiler with vertical undulating flue, Heating. B. W. Mandelburg. 2,633,107, Mar. 31.
Bolometer construction. A. A. Obermaier. 2,634,609, Apr. 14.
Bolster. R. T. Leisk. 2,637,280, May 5.
Bolster bumper. A. O. Williams. 2,631,030, Mar. 10.
Bolster center filler and rear draft lug unit, Combined. E. H. Blattner and G. F. Couch. 2,633,250, Mar. 31.
Bolster for vehicle spring assembly, Resilient. V. L. Frazier. 2,636,743, Apr. 28.
Bolster support means for rail car trucks. A. O. Williams. 2,645,188, July 14.
Bolster supporting spring group and stabilizing means. K. M. Hamilton. 2,661,944, Dec. 8.
Bolt anchor with spring rotation preventing means. R. K. Skinner. 2,661,649, Dec. 8.
Bolt assembly. B. J. Craig. 2,649,323, Aug. 18.
Bolt, Blind. J. B. Black. 2,632,354, Mar. 24.
Bolt and actuating and anchor releasing means therefor, Locking. D. A. Ramler. 2,638,772, May 19.
Bolt clip for toilet tank and bowl combination. H. F. Smith. 2,659,088, Nov. 17.
Bolt, Connector. P. J. McCullough. 2,635,312, Apr. 21.
Bolt cutter. P. Lazarevich. 2,624,112, Jan. 6.
Bolt, Expansion. W. J. Lewis. 2,625,071, Jan. 13.
Bolt, Explosively severable. T. C. Smith. 2,653,504, Sept. 29.
Bolt fastener. W. A. Bedford, Jr. 2,636,414, Apr. 28.
Bolt-holding box wrench. J. Dillard. 2,659,258, Nov. 17.
Bolt holding tool. E. P. Pray. 2,645,960, July 21.
Bolt, Lever actuated latch. J. Croft. 2,632,663, Mar. 24.
Bolt, Locked. C. Hollerith. 2,642,109, June 16.
Bolt, Masonry anchor. C. F. Johnson. 2,643,373, June 30.
Bolt or pin, Wedge type. J. V. Hammond. 2,651,962, Sept. 15.
Bolt with clip retaining means. W. A. Bedford, Jr. 2,654,411, Oct. 6.
Bolted bus connector. M. D. Bergan. 2,651,767, Sept. 8.
Bolts, Producing. E. F. Losco and F. C. Hull. 2,637,672, May 5.
Bomb bay door with bomb releasing means, Rotar[y]. Woollens and W. Buchal. 2,634,656, Apr. 14.
Bomb cluster adapter. G. F. Brown. 2,625,880, [illegible]
Bomb, Incendiary. S. G. Ponder and H. M. [illegible] 2,630,066, Mar. 3.
Bomb shelter. H. Kifferstein. 2,629,348, Feb. 2[illegible]
Bonded rubber articles, Production of. F. J. T[illegible] 2,657,162, Oct. 27.
Bonding. N. Langer. 2,640,796, June 2.
Bonding. N. Langer. 2,640,798, June 2.
Bonding a body of polyethylene to a surface and [illegible] used therefor. H. G. Davis, Jr., W. L. Dur[illegible] E. C. Johnson. 2,656,297, Oct. 20.
Bonding a layer of chlorosulfonated polyethylene [illegible] R. E. Brooks, F. S. Chance, T. H. Crim, Jr., a[illegible] Strain. 2,630,398, Mar. 3.
Bonding aluminum or aluminum base alloy to [illegible] metal by means of an alloy bond. W. H. Persh[illegible] McClain, and J. A. Fulwider. 2,634,469, Apr.
Bonding an end closure to a thermoplastic [illegible] Makrauer. 2,645,591, July 14.
Bonding brake linings to brake shoes. R. E. [illegible] 2,631,961, Mar. 17.
Bonding copper to aluminum or aluminum alloy [illegible] Culverhouse, Jr. 2,662,831, Dec. 15.
Bonding device and method. G. F. Kingman. 2[illegible] June 23.
Bonding faying surfaces of metallic members. [illegible] Larson and D. A. Tooley. 2,650,185, Aug. 25.
Bonding hollow plastic bodies. E. B. [illegible] 2,632,724, Mar. 24.
Bonding isoolefin-diolefin rubber to metal by an [illegible] styrene-diolefin resin and a modified natural r[illegible] ply. A. W. Hubbard and W. C. Smith. 2[illegible] May 17.
Bonding machine. A. E. Carlile. 2,655,980, Oct[illegible]
Bonding machine. E. B. Snyder. 2,662,967, Dec[illegible]
Bonding machine, Brake shoe. H. B. Barrett. 2[illegible] Aug. 18.
Bonding machine, Dielectric. R. W. Bradley a[illegible] Hart. 2,650,288, Aug. 25.
Bonding machine with automatic electrode penetr[illegible] oscillator keying control. H. Hacklander and J[illegible] 2,634,363, Apr. 7.
Bonding nickel structures. J. S. Hickey, Jr. [illegible] Feb. 3.
Bonding of metal carbonyl deposits. A. [illegible] 2,653,879, Sept. 29.
Bonding of textile yarns to rubber. D. F[illegible] 2,643,207, June 23.
Bonding polyethylene to vulcanized rubber an[illegible] produced thereby. H. Peters. 2,635,975, Apr[illegible]
Bonding press. R. R. Keller. 2,661,789, Dec.
Bonding sheet materials and coating compositions [illegible] J. C. Cowan, L. B. Falkenburg, and A. [illegible] 2,630,397, Mar. 3.
Bone reducing tool. J. R. Siebrandt. 2,631,585,
Bonnet, Adjustable baby. L. A. Redlin. 2,624,05[illegible]
Book and binder therefor. C. E. Emmer. [illegible] May 19.
Book and leaf holding device for printing [illegible] C. G. Krakenberg. 2,638,846, May 19.
Book and wrapper feed mechanism for wrapping [illegible] R. E. Ackley. 2,651,899, Sept. 15.
Bookbinder construction of plastic material. F. [illegible] 2,632,637, Mar. 24.
Book binding. L. J. B. R. French. 2,633,582, A[illegible]
Book feed mechanism for trimming machines [illegible] Roessl and R. P. Fendius. 2,648,445, Aug. 11.
Book for making garment belts. S. Guggino. [illegible] Dec. 1.
Bookholder. W. J. Bargen. 2,662,333, Dec. 15.
Bookholder. C. A. Ramsay. 2,624,466, Jan. 6.
Bookholder. M. L. Saecker. 2,627,694, Feb. 1[illegible]
Bookholder. N. I. Stark. 2,661,568, Dec. 8.
Book holder and desk top. W. J. Bargen. [illegible] Dec. 8.
Bookholder for hospital beds, Adjustable. C. A. [illegible] 2,638,701, May 19.
Bookholder, Knockdown. M. J. Deveau. 2,648,[illegible] 18.
Book, Indexed. M. Cordone. 2,647,766, Aug. 4
Bookkeeping device. A. J. Bickel. 2,648,547, A[illegible]
Bookkeeping mechanism. W. A. Brucker. [illegible] Oct. 13.
Bookmark. C. W. Johnson. 2,630,777, Mar. 10
Bookmark. E. A. Myers. 2,631,560, Mar. 17.
Bookmark. J. N. B. Wilson. 2,633,372, Mar. 31
Bookmarker. J. E. and J. D. Jones. 2,645,197
Book shelf, Adjustable tilting plate. T. B. [illegible] 2,636,311, Apr. 28.
Bookstack, Compacted. A. S. Macdonald. [illegible] July 14.
Bookstand, Collapsible. D. F. Shea. 2,648,155,
Booklet, Check. J. O. Tilly. 2,637,571, May 5.
Boom and rudder assembly. W. Long. 2,653,563
Boom, Articulated. D. P. Welden. 2,639,826,
Boom crane combination, Folding. A. [illegible] 2,649,210, Aug. 18.
Boom structure for wreckers and similar [illegible] E. W. Holmes. 2,637,447, May 5.
Boom swivel device for locomotive cranes, H[illegible] C. L. Fero. 2,649,211, Aug. 18.

Booster battery carting and emergency servicing equipment., E. W. and V. D. Anderson. 2,659,042, Nov. 10.
Booster device for internal-combustion engines. A. Kraus. 2,653,589, Sept. 29.
Booster device for operating well tools. T. M. Ragan. 2,644,528, July 7.
Booster for air brake systems. C. D. Dyer. 2,648,489, Aug. 11.
Booster unit for hydraulic pressure systems. E. R. Price and T. H. Thomas. 2,644,305, July 7.
Booster unit for hydraulic pressure systems. E. R. Price and T. H. Thomas. 2,662,376, Dec. 15.
Boot hanger. F. E. Burch. 2,641,366, June 9.
Boot, Ski. H. Henke. 2,660,812, Dec. 1.
Boot with adhesive tape securing means, Animal. F. P. Lewis. 2,651,853, Sept. 15.
Booth for giving tan treatments. A. H. Paschell. 2,631,588, Mar. 17
Borates of tertiary alcohols, Preparation of. S. B. Lippincott. 2,642,453, June 16.
Borax solutions and methods and compositions for producing same, Supersaturated. G. A. Connell. 2,643,947, June 30.
Bore crown for percussion drilling. D. W. Haglund and S. E. Elström. 2,641,446, June 9.
Bore gauge. A. Eisele. 2,654,157, Oct. 6.
Borehole loader. R. McGirr. 2,654,285, Oct. 6.
Borehole method and apparatus. S. Krasnow and L. F. Curtiss. 2,631,671, Mar. 17.
Boring and drilling machine, Turret type. H. T. Monson. 2,630,026, Mar. 3.
Boring and facing head. F. Wunderlich. 2,630,027, Mar. 3.
Boring and turning machine. C. E. Dilts. 2,641,146, June 9.
Boring bar. L. Y. Poole. 2,656,742, Oct. 27.
Boring bar micrometer tool. K. Kaehlert. 2,629,270, Feb. 24.
Boring bar pilot support. E. Sperisen. 2,643,554, June 30.
Boring bit guide. B. Sulc. 2,641,147, June 9.
Boring device, Multiple cutter. E. T. Black. 2,630,725, Mar. 10.
Boring, facing, and recessing tool. E. J. Kalat. 2,632,343, Mar. 24.
Boring head construction. R. W. Heggar. 2,640,378, June 2.
Boring head, Offset. R. M. and H. R. Snow. 2,661,218, Dec. 1.
Boring implement. A. F. Froussard. 2,638,802, May 19.
Boring machine. A. W. Johnson. 2,640,376, June 2.
Boring machine. C. S. Palkowski. 2,633,165, Mar. 31.
Boring machine, Die. J. C. Ewart. 2,635,488, Apr. 21.
Boring machine, Horizontal. H. N. Stephan. 2,632,365, Mar. 24.
Boring machine, Horizontal earth. M. B. Kirk. 2,647,726, Aug. 4.
Boring mill. W. K. Millholland, Jr. 2,640,377, June 2.
Boring mill attachment, Vertical. M. Turchan. 2,652,731, Sept. 22.
Boring or drilling machine and work holding clamp. F. I. Johnson. 2,640,515, June 2.
Boring tool. C. R. Ballard. 2,636,403, Apr. 28.
Boring tool. O. R. Briney, Jr. 2,643,556, June 30.
Boring tool. W. H. Lavender. 2,633,334, Mar. 31.
Boric acid-methyl polysiloxane composition. R. W. Martin. 2,644,805, July 7.
Boride cathodes. J. M. Lafferty. 2,659,685, Nov. 17.
Boron derivatives of ascorbic acid. S. L. Ruskin. 2,635,102, Apr. 14.
Boron phosphate. Manufacture of. J. Kamlet. 2,646,344, July 21.
Borosilicate optical glass. N. J. Kreidl. 2,657,146, Oct. 27.
Boss for dobby jacks. E. C. Johnson. 2,646,824, July 28.
Bottle. T. L. Ammarell. 2,656,842, Oct. 27.
Bottle. R. A. Blunt. 2,644,599, July 7.
Bottle and holder therefor. C. W. Bogan and R. L. Ginesi. 2,659,920, Nov. 24.
Bottle-breaker. J. M. Westrate. 2,655,320, Oct. 13.
Bottle breaking apparatus. L. A. Kandle. 2,645,428, July 14.
Bottle cap. Y. S. Fong. 2,659,509, Nov. 17.
Bottle cap. W. A. Rice. 2,659,511, Nov. 17.
Bottle cap and pourer, Combination. F. A. Todd. 2,650,734, Sept. 1.
Bottle cap forming apparatus. E. J. Jonsson. 2,662,498, Dec. 15.
Bottle capping machine with means for controlling the force on capping plungers. N. V. Burdin. 2,664,013, Dec. 29.
Bottle carrier. E. L. Arneson. 2,645,403, July 14.
Bottle carrier. H. V. Bolding. 2,652,968, Sept. 22.
Bottle carrier. G. C. Currie. 2,653,742, Sept. 29.
Bottle carrier. H. W. Forrer. 2,646,918, July 28.
Bottle carrier. R. Guyer. 2,644,624, July 7.
Bottle carrier. M. G. Hall. 2,658,659, Nov. 10.
Bottle carrier. M. E. Holy. 2,630,264, Mar. 3.
Bottle carrier. J. A. Lamprecht. 2,624,498, Jan. 6.
Bottle carrier. R. W. Stevenson. 2,626,725, Jan. 27.
Bottle carrying case. C. L. Keller. 2,626,079, Jan. 20.
Bottle carrying pocket. J. B. McCabe and A. H. Luedicke, Jr. 2,660,290, Nov. 24.
Bottle case. H. C. Haffner. 2,661,111, Dec. 1.
Bottle closure. E. W. Atwood. 2,634,013, Apr. 7.
Bottle closure. L. G. Copeman. 2,634,012, Apr. 7.
Bottle closure device, Vacuum. W. A. Laird and P. L. Greathead. 2,633,261, Mar. 31.
Bottle closures, Making. R. Sonnenberg. 2,639,645, May 26.
Bottle, Collapsible. S. L. Diack. 2,646,044, July 21.
Bottle, Composite. M. Prager. 2,629,508, Feb. 24.
Bottle conveying and transfer mechanism. A. L. Steck. 2,649,183, Aug. 18.
Bottle-corking machine. B. G. Bausano. 2,647,674, Aug. 4.
Bottle crown cap assembling machine gluing attachment. B. Nagy. 2,654,341, Oct. 6.
Bottle dispensing cabinet. M. L. Everhart. 2,628,874, Feb. 17.
Bottle filler. A. J. Lippold. 2,642,214, June 16.
Bottle filling device. O. B. Hagen and H. J. Multhauf. 2,638,256, May 12.
Bottle handling device. E. Johnson. 2,655,402, Oct. 13.
Bottle hooding and capping mechanism. R. Sonnenberg. 2,662,679, Dec. 15.
Bottle loader, Tilting bucket. J. F. Currivan. 2,642,212, June 16.
Bottle, Nursing. C. N. Lestakis. 2,630,932, Mar. 10.
Bottle opener and can opener, Combination. C. W. Brewer. 2,645,008, July 14.
Bottle opener, Coin-shaped. C. T. Frazier. 2,625,847, Jan. 20.
Bottle opener with closure receptacle, Bar type. H. B. Trimble, Sr., and C. D. Berry. 2,649,004, Aug. 18.
Bottle opener with skirt deforming means. R. Dreier. 2,624,219, Jan. 6.
Bottle packing machine with flight conveyer for receiving successive rows of articles. A. E. Rideout, K. B. Holstebroe, and A. L. Johnson. 2,650,746, Sept. 1.
Bottle sealing, Automatic. J. L. Pomeroy. 2,652,963, Sept. 22.
Bottle spotting device. E. N. Lichtenberg. 2,630,204, Mar. 3.
Bottle support. M. A. Goldenberg. 2,633,248, Mar. 31.
Bottle suspension device for freezing molds. R. Aspiund. 2,629,515, Feb. 24.
Bottle top, Dispensing. B. J. Christeck and L. Z. Plebanek. 2,661,867, Dec. 8.
Bottle, Vacuum nursing. L. W. Rust, Sr. 2,643,785, June 30.
Bottle with light shield. M. R. Fields. 2,625,286, Jan. 13.
Bottom bar organization for Venetian blinds. H. K. Lorentzen. 2,659,430, Nov. 17.
Bottom draining spinning bucket. H. D. Haley. 2,663,988, Dec. 29.
Bottom-dump charging bucket and door closing mechanism therefor. C. Morgan. 2,626,828, Jan. 27.
Bottom-flushing apparatus for lauter tubs. J. Epstein. 2,657,804, Nov. 3.
Bottom rail tape clip construction for Venetian blinds. R. H. Wright and A. Zay. 2,626,659, Jan. 27.
Bouncing ball game device. G. H. Forsyth. 2,629,594, Feb. 24.
Boundary layer control for aircraft. H. D. Taylor. 2,650,781, Sept. 1.
Boundary layer control for compressor inlet ducts. A. Isabella. 2,646,211, July 21.
Boundary layer control in blowers. H. H. Hoadley. 2,650,752, Sept. 1.
Bourdon tube. N. L. Bowditch. 2,644,336, July 7.
Bourdon tube gauge. O. W. Heise. 2,656,723, Oct. 27.
Bow sight. J. A. La Vire. 2,654,152, Oct. 6.
Bowl adjustment for carry-type scrapers. O. J. Warren and V. W. Hair. 2,651,124, Sept. 8.
Bowl and frame adjustment for earth-moving scrapers. R. C. Schneckloth. 2,624,960, Jan. 13.
Bowl, Animal operated drinking. A. E. Anderson. 2,664,069, Dec. 29.
Bowl appliance, Sanitary toilet. O. Klabunde. 2,631,296, Mar. 17.
Bowl, Centrifugal. G. J. Strezynski. 2,645,415, July 14.
Bowl ejecting mechanism for carry-type scrapers. O. F. Quartullo. 2,650,440, Sept. 1.
Bowl guard, Saliva. C. H. Oertel. 2,644,956, July 14.
Bowl, Mixer. J. A. Schwarz. 2,656,163, Oct. 20.
Bowl, Mixing. V. M. Oliver. 2,625,020, Jan. 13.
Bowl, Self-closing sediment. J. H. Penner. 2,632,565, Mar. 24.
Bowl, Sink. R. Hartog. 2,629,880, Mar. 3.
Bowl, Sugar. T. Pasta. 2,655,799, Oct. 20.
Bowls, Article inverting feeding. W. V. Spurlin. 2,661,833, Dec. 8.
Bowling alley bumper with hanger means. A. B. Hackert. 2,654,605, Oct. 6.
Bowling ball and pin handling mechanism. J. J. McGinley. 2,662,770, Dec. 15.
Bowling ball cleaner. J. J. Vargo. 2,656,557, Oct. 27.
Bowling ball grip structure. V. L. Anderson. 2,656,188, Oct. 20.
Bowling ball handling apparatus. H. C. Congelli. 2,626,803, Jan. 27.
Bowling ball rack. E. Hedenskoog. 2,633,359, Mar. 31.
Bowling foul indicator. W. S. Swift. 2,664,290, Dec. 29.
Bowling game apparatus with swingably supported pins. R. R. Denney. 2,626,153, Jan. 20.

Bowling pin billets, Manufacturing. J. R. Curtis. 2,652,081, Sept. 15.
Bowling pin conveying and orienting mechanism. A. M. Simpson. 2,626,802, Jan. 27.
Bowling pin elevating and resetting mechanism. L. A. Durant and M. P. Wolverton. 2,652,557, Sept. 15.
Bowling pin lifting and resetting apparatus. C. M. Weber and T. C. Pulvino. 2,651,519, Sept. 8.
Bowling pin respotter. C. E. Schon. 2,634,979, Apr. 14.
Bowling pin setter. R. I. Anderson. 2,634,978, Apr. 14.
Bowling pin setter. B. B. Beranek. 2,627,408, Feb. 3.
Bowling pin setting machine. J. F. Timberlake. 2,641,471, June 9.
Box: *See*—
Adjustable miter box.
Angler's fly box.
Artist's box.
Bait box.
Bobby pin box.
Burglar alarm box.
Card file box.
Cardboard box.
Chick box.
Circular wood box.
Collapsible box.
Collapsible dumping box.
Collapsible fish box.
Cover operated display box.
Cream box.
Dice box.
Dismountable packaging box.
Dispensing box.
Display box.
Electrical outlet box.
Electrical splice box.
Electrical switch box.
Electrically heated lunch box.
Fisherman's kit box.
Fishing tackle box.
Folded blank box.
Folding box.
Flower box.
Garment packaging box.
Gas leakage test box.
Golf club box.
Hat packing box.
High power transmit-receive box.
Hotel guest mail and message box.
Jewelry box.
Journal box.
Locked paper box.
Material spreading box.
Minnow box.
Multifrequency T-R box.
One-piece forge steel railway journal box.
Pad box.
Picnic box.
Plant box.
Polygonal box.
Powder box.
Railroad journal box.
Railway switch box.
Refrigerated bait box.
Self-aligned lubricating stuffing box.
Siphon box.
Storage and utility box.
Suction box.
Tap box.
Tote box.
Tractor transport box.
Wall-outlet box.
Box. C. L. Claff. 2,644,632, July 7.
Box. M. A. Crinkley and E. C. Swanson. 2,634,045, Apr. 7.
Box. F. A. Ponti. 2,627,358, Feb. 3.
Box. I. Robins. 2,645,406, July 14.
Box. B. L. Thurston. 2,639,854, May 26.
Box and cover, Meter. E. G. Johansson. 2,651,008, Sept. 1.
Box assembling machine. O. H. Williamson. 2,643,378, June 30.
Box assembly machine. R. E. Swisher. 2,637,252, May 5.
Box beam construction for floors. K. L. Bergvall and E. E. Dahlberg. Re. 23,693, Aug. 4.
Box blank conveying mechanism. W. P. Fergnani. 2,630,206, Mar. 3.
Box-blank cutting assembly. D. Bartlette and E. C. Lowe. 2,628,543, Feb. 17.
Box blank forming machine. G. S. Sillars. 2,655,844, Oct. 20.
Boxcar running board. A. E. Brickman. 2,633,211, Mar. 31.
Boxcar unloader, Pulpwood. C. A. Thompson. 2,655,275, Oct. 13.
Box construction. F. Lange. 2,643,812, June 30.
Box construction. V. G. Moldt. 2,655,283, Oct. 13.
Box construction. W. Stastny and F. Kostelancik. 2,661,890, Dec. 8.
Box construction, Gas purifier. G. C. Pfaff. 2,634,019, Apr. 8.
Box construction (hexagonal), Paperboard. C. A. Stopper. 2,644,633, July 7.
Box cover. C. A. Clark. 2,638,241, May 12.
Box folding machine, Glued flap. F. J. Spiess. 2,637,251, May 5.
Box for bus bar duct systems, Feed-in and junction. R. A. Salomone and C. B. Turton. 2,628,997, Feb. 17.
Box for carrying dogs, Collapsible. A. N. Jennison 2,654,498, Oct. 6.
Box for decorated Easter eggs, Display. G. C. Sparks. 2,638,210, May 12.
Box for pharmaceutical preparations. E. E. Beadle. 2,644,259, July 7.
Box for rodents, Drinking. E. A. F. Kuntz. 2,635,382, Apr. 21.
Box for shipping, displaying, and storing fragile articles such as thermometers or the like. C. F. Aldridge. 2,645,334, July 14.
Box front for automatic looms. E. E. Stauffer. 2,636,521, Apr. 28.
Box girders, Method and device for the manufacture of. K. L. Bergvall, E. E. Dahlberg, and A. O. G. Palmgren. 2,631,956, Mar. 17.
Box having interlocking end walls, Collapsible. L. G. Trickett, Jr., and C. O. Deem. 2,660,363, Nov. 24.
Box holder. C. L. Crosby. 2,626,119, Jan. 20.
Box holding clamp. O. H. Williamson. 2,655,96
Box lid, Journal. E. H. Blattner. 2,640,738,
Box loader, Lemon. D. C. Cox. 2,647,670, Au
Boxmaking machine. W. F. Linstedt. 2,645,98
Boxmaking machine. W. R. Watson. 2,633,78
Box nailing machine. G. C. Cable. 2,639,427
Box of the suitcase type, Paperboard. S. A. A C. D. Welshenbach. 2,658,661, Nov. 10.
Box or carton, Folding. D. Levkoff. 2,634,90
Box rim construction, Metal. E. W. Riemer 2,656,066, Oct. 20.
Box sealing method and apparatus. R. R. R W. T. Ritter, R. O. Ragan, and D. W. Coy. Mar. 17.
Box setting-up machine. C. L. Claff and C. A 2,658,433, Nov. 10.
Box stamper. G. A. Barton. 2,627,225, Feb.
Box staying machine. M. V. Silby. 2,639,64
Box structure, Cardboard. M. M. Weber. Apr. 7.
Box transfer mechanism. M. Taranto. 2,652 15.
Box unstacker. A. A. Neja. 2,629,503, Feb. 2
Box with carrying handle. R. M. Bergstein. July 14.
Box with moving article support, Hinged. W wick. 2,647,624, Aug. 4.
Box with pivoting article display. J. E 2,647,622, Aug. 4.
Box with rotating article support. D. 2,647,623, Aug. 4.
Boxing glove, Pneumatic. J. Slizus. 2,653,31
Brace, Adjustable. E. O. Hermann. 2,659,31
Brace, Combined body and leg. A. L. Whitaker. Oct. 6.
Brace, Drop foot. J. R. Harrison. 2,663,294,
Brace, Folding. A. C. Haisch. 2,634,831, Apr
Brace, Leg. R. T. Hickerson. 2,632,439, Mar.
Brace, Orthopedic. R. Anderson. 2,632,442,
Brace, Packing. C. G. Robbins. 2,659,648, N
Bracing for scaffolds and the like. J. A. K 2,662,798, Dec. 15.
Bracelet end connection. K. Albrecht. 2,66 29.
Bracelet, Expansible. J. F. Sand. 2,636,359,
Bracelet, Utility. H. M. Korth. 2,626,736, Ja
Bracket: *See*—
Accessory bracket.
Adjustable guide bracket.
Adjustable saw-horse bracket.
Agricultural tool bracket.
Antiglare visor mounting bracket.
Appliance bracket.
Boat supporting bracket.
Building bracket.
Can opener bracket.
Clamp bracket.
Clothes pole supporting bracket.
Combination curtain, shade, and drapery bracket.
Computer shutter cam plate retaining bracket.
Container supporting bracket.
Curtain bracket.
Curtain rod bracket.
Dispenser bracket.
Double curtain or drapery rod bracket.
Fence post ext supporting br
Jack bracket.
Ladder bracket.
Lantern bracke
Length adjusti taching brac
Line wire tr bracket.
Motor bracket.
Motor drive bearing brack
Outboard moto bracket.
Picture hangin
Sawhorse conne et.
Support bracke
Takedown type wall bracket.
Trolley conveye
Typewriter re bracket.
Visor bracket.
Window shade
Bracket. N. E. Passman. 2,653,002. Sept. 22
Bracket. N. E. Passman. 2,660,391, Nov. 24.
Bracket. A. Vanderveld. 2,645,444. July 14.
Bracket and ring, Curtain rod. E. F. 2,652,586, Sept. 22.
Bracket construction. A. G. Steinmayer. 2,65 25.
Bracket coupling for knockdown table-type C. P. Molla. 2,643,927. June 30.
Bracket device. F. J. Kozak. 2,641,429, June
Bracket fixture, Shade roller. A. C. Barr. Mar. 31.
Bracket for drawers or shelves and locking m for, Pivotally movable sliding. S. I. Gussack. Oct. 13.
Bracket for faucets and the like, Mounting. 2,637,044, May 5.
Bracket for floodlights, Corner mounting. A. 2,640,670, June 2.
Bracket for hanging fixtures. R. F. Hurley. Mar. 24.
Bracket for heavy vehicles, Shaft mounting. 2,630,331, Mar. 3.
Bracket for semaphore signal devices, Mount Carlson. 2,630,995, Mar. 10.
Bracket for supporting curtain holding bars. E 2,628,053, Feb. 10.
Bracket for supporting paint cans. A. Hudoba. Apr. 28.

Bracket for valve fixtures. L. Tortorice. 2,661,483, Dec. 8.
Bracket for water pipe fittings, Supporting. O. L. Aaby. 2,628,799, Feb. 17.
Bracket mounting for outboard motors. E. C. Kiekhaefer. 2,656,813, Oct. 27.
Bracket receptacle. L. M. Hobson. 2,642,191, June 16.
Bracket unit for tension screens. D. J. Rust and J. H. Jensen. 2,638,163, May 12.
Bracket with trot-line ring. A. C. Wiseman. 2,660,972, Dec. 1.
Braiding machine. R. M. Fraser. 2,653,506, Sept. 29.
Brake: *See*—
Air cooled brake.
Automatic brake.
Automatic safety brake.
Automatically actuated trailer brake.
Band brake.
Combined service and auxiliary disk brake.
Cooled disk brake.
Disk brake.
Door brake.
Duplex brake.
Electrodynamic brake.
Elevator brake.
Elevator safety brake.
Fishing line brake.
Full-floating brake.
Geared hand brake.
Ground brake.
Hand brake.
Magnetic railway brake.
Permanent magnet brake.
Railway car hand brake.
Rotor brake.
Self-adjusting brake.
Self-adjusting wheel brake.
Self-energizing brake.
Self-energizing single-disk brake.
Servo-acting disk brake.
Sheet metal bending brake.
Spindle brake.
Steering column brake.
Strap brake.
Tractor hand brake.
Two-shoe industrial type brake.
Brake. L. C. Brisson. 2,651,384, Sept. 8.
Brake. J. J. Carnes. 2,630,885, Mar. 10.
Brake. A. Y. Dodge. 2,633,939, Apr. 7.
Brake. A. Y. Dodge. 2,648,403, Aug. 11.
Brake. E. K. Dombeck. 2,648,404, Aug. 11.
Brake. J. O. Helvern. 2,639,787, May 26.
Brake. B. E. House. 2,637,417, May 5.
Brake. B. E. House. 2,642,159, June 16.
Brake. R. J. Keller. 2,626,020, Jan. 20.
Brake. L. N. Lauer. 2,626,684, Jan. 27.
Brake. F. R. McFarland. 2,635,713, Apr. 21.
Brake. P. H. Perrot. 2,657,774, Nov. 3.
Brake. K. K. Probst. 2,657,769, Nov. 3.
Brake actuating device for trailers, Hydraulic. W. Fikse. 2,630,888, Mar. 10.
Brake actuator. S. De Orlow. 2,635,481, Apr. 21.
Brake actuator, Vacuum operated. W. H. Righter. 2,643,746, June 30.
Brake adjuster. B. E. House. 2,654,446, Oct. 6.
Brake adjuster, Hydraulic. T. P. Chase. 2,645,312, July 14.
Brake adjuster, Hydraulic. B. W. Oswalt. 2,638,186, May 12.
Brake adjusting apparatus. R. H. Shively. 2,650,681, Sept. 1.
Brake adjustment, Automatic. P. A. Driscoll. 2,657,773, Nov. 3.
Brake anchor tool. J. B. Durham. 2,655,720, Oct. 20.
Brake and accelerator coordinating device, Automatic. C. H. Rodeback. 2,662,622, Dec. 15.
Brake and clutch device. A. Poliansky. 2,659,021, Nov. 10.
Brake and pump, Hydraulic. D. F. McGill. 2,631,695, Mar. 17.
Brake and steering attachment for toboggans, Combination. J. E. La Marr. 2,664,174, Dec. 29.
Brake and wiper, Gauge reel. J. E. Higgins. 2,662,700, Dec. 15.
Brake apparatus. A. J. Bent and S. L. Williams. 2,656,018, Oct. 20.
Brake apparatus, Combined pneumatic and dynamic. C. M. Hines. 2,656,222, Oct. 20.
Brake apparatus, Fluid pressure. G. L. Cotter. 2,640,733, June 2.
Brake apparatus, Fluid pressure. A. T. Gorman. 2,627,441, Feb. 3.
Brake apparatus, Fluid pressure. A. T. Gorman. 2,637,601, May 5.
Brake apparatus, Fluid pressure. E. P. Sexton. 2,661,246, Dec. 1.
Brake apparatus, Vacuum. P. M. Smith. 2,657,777, Nov. 3.
Brake applying apparatus, Pedally controlled power-operated vehicle. O. H. Banker. 2,642,165, June 16.
Brake applying hitch device. G. S. Barnes. 2,633,942, Apr. 7.
Brake arrangement. E. J. Simanek. 2,627,944, Feb. 10.
Brake arrangement for inboard railway car trucks. J. C. Settles. 2,633,936, Apr. 7.
Brake arrangement, Hand. W. R. Schettler. 2,657,771, Nov. 3.
Brake assembly. B. E. House. 2,657,767, Nov. 3.
Brake assembly, Crown block. C. M. Roberson. 2,646,251, July 21.
Brake assembly, Hand. C. J. Cartwright. 2,625,053, Jan. 13.
Brake assembly, Nonsquealing. S. G. Tilden. 2,647,592, Aug. 4.
Brake band equalizer adjusting mechanism. R. N. Cordrey and D. E. Wright. 2,637,419, May 5.
Brake band, Split flexible. H. E. Churchill. 2,637,420, May 5.
Brake beam. C. R. Busch. 2,656,019, Oct. 20.
Brake beam, Fabricated. E. J. Simanek. 2,655,235, Oct. 13.
Brake beam, Making a. L. L. Whitney. 2,648,750, Aug. 11.
Brake beam safety support. C. J. Anderson, W. J. Miller, and W. Jansky. 2,632,531, Mar. 24.
Brake beam structure, Railway. I. J. Spaeth. 2,627,947, Feb. 10.
Brake beam support. G. F. Couch. 2,656,901, Oct. 27.
Brake beam, Welded. A. A. Weisberger. 2,646,861, July 28.
Brake beam with fixed head and guide. W. H. Baselt. 2,655,234, Oct. 13.
Brake construction. A. A. Benson. 2,655,237, Oct. 13.
Brake construction. R. Lapsley. 2,656,015, Oct. 20.
Brake construction. H. E. Swanson. 2,641,339, June 9.
Brake construction, Disk. P. M. Freer. 2,642,959, June 23.
Brake control apparatus. J. W. Rush and G. T. McClure. 2,661,247, Dec. 1.
Brake control apparatus, Airplane landing wheel. G. W. Yarber. 2,663,521, Dec. 22.
Brake control apparatus, Airplane landing wheel. G. W. Yarber, H. H. Howell, and R. F. Chase. 2,636,700, Apr. 28.
Brake control apparatus, Fluid pressure. F. S. Whaley. 2,642,962, June 23
Brake control apparatus, Vehicle. W. H. Righter. 2,643,518, June 30.
Brake control, Double-acting master cylinder. E. C. Spahn. 2,640,324, June 2.
Brake control, Hydraulic. A. C. Hager and T. D. Jones. 2,661,081, Dec. 1.
Brake control means for trailers. A. W. Schwertner. 2,648,407, Aug. 11.
Brake control mechanism. G. W. Yarber. 2,631,696, Mar. 17.
Brake control system, Conveyer belt. R. M. Buckeridge. 2,661,832, Dec. 8.
Brake coupling assembly, Electric motor. O. C. Walley and R. L. Anderson. 2,653,256, Sept. 22.
Brake cylinder hone. T. E. Brooks. 2,627,707, Feb. 10.
Brake cylinder release valve. W. F. Klein. 2,650,138–9, Aug. 25.
Brake disk, Air-cooled. H. J. Butler. 2,656,021, Oct. 20.
Brake disk wear compensating and indicating means. T. T. Cagle. 2,644,549, July 7.
Brake drum, Laminated. A. C. De Yo. 2,661,820, Dec. 8.
Brake drum lathe. H. B. Barrett. 2,663,975, Dec. 29.
Brake drum lubricant deflector. J. M. Kerr. 2,647,589, Aug. 4.
Brake drum, Universal inspection. C. E. Pederson. 2,625,818, Jan. 20.
Brake drum vibration damper. C. J. Bock. 2,639,195, May 19.
Brake drums, Making composite. P. E. Baker. 2,643,445, June 30.
Brake equipment, Locomotive. I. M. Eisenberg. 2,637,602, May 5.
Brake fluid accumulator for master cylinders, Valve controlled. A. B. Seppmann. 2,637,977, May 12.
Brake fluid indicator. M. D. Sparlin. 2,624,200, Jan. 6.
Brake fluid safety indicator. T. R. Luczko. 2,661,410, Dec. 1.
Brake for automotive vehicles, Parking. W. A. Hasbany. 2,653,689, Sept. 29.
Brake for hand saws, Automatic magnetic. J. P. Morgan. 2,661,780, Dec. 8.
Brake for cycles and the like vehicles, Wheel rim. A. Könsberg. 2,631,693, Mar. 17.
Brake for drawworks, Air. A. A. Ashton. 2,658,589, Nov. 10.
Brake for farm tractors, Foot and hand. G. E. Arnio. 2,626,022, Jan. 20.
Brake for motor trucks, Vacuum. C. M. Steely. 2,625,909, Jan. 20.
Brake for pneumatic brake systems, Hydraulic emergency. F. S. Schaadt. 2,645,313, July 14.
Brake for power cycles, Starter. A. I. Poulsen. 2,638,175, May 12.
Brake for transmissions. H. L. Misch. 2,627,946, Feb. 10.
Brake for vehicles and other uses. P. Farkas. 2,645,311, July 14.
Brake for vehicles, Safety. C. W. Gray. 2,638,194, May 12.
Brake head arrangement. W. R. Polanin. 2,651,390, Sept. 8.
Brake head arrangement. C. E. Tack. 2,627,322, Feb. 3.
Brakehead wear plate and key wedge. T. J. Sweger and M. S. Johnson. 2,660,267, Nov. 24.
Brakehead wear plate retainer. M. S. Johnson. 2,627,326, Feb. 3.
Brake hitch assembly for trailers, Automatic. P. Teal. 2,642,961, June 23.
Brake holding device. D. A. Baird. 2,638,119, May 12.
Brake indicating attachment for vehicles, Sound producing emergency. M. F. Murray. 2,636,468, Apr. 28.
Brake indicator for railroad cars, Effective. C. H. Beck. 2,638,864, May 19.

Brake lever actuated oil level indicator. J. O. Raby. 2,626,386, Jan. 20.
Brake lever assembly, Straight pull. R. A. Sandberg. 2,632,338, Mar. 24.
Brake lever structure, Straight pull. R. A. Sandberg. 2,631,470, Mar. 17.
Brake lining assembly, Detachable. E. B. Lewis. 2,630,889, Mar. 10.
Brake lining clamp. H. B. Barrett. 2,646,836, July 28.
Brake lining, Demountable. T. L. Bonkowski. 2,631,697, Mar. 17.
Brake mechanism. R. L. Browning. 2,652,132, Sept. 15.
Brake mechanism. T. R. McGowan. 2,630,883, Mar. 10.
Brake mechanism. E. G. Mueller. 2,633,935, Apr. 7.
Brake mechanism. E. G. Mueller. 2,659,456, Nov. 17.
Brake mechanism. F. H. S. Rossire. 2,655,231, Oct. 13.
Brake mechanism and handle construction. M. R. Elliott and G. L. Turner. 2,651,379, Sept. 8.
Brake mechanism, Antifriction screw reversible. R. H. Weiland. 2,653,691, Sept. 29.
Brake mechanism, Booster. W. Stelzer. 2,658,348, Nov. 10.
Brake mechanism, Disk. E. K. Buyze. 2,655,230, Oct. 13.
Brake mechanism, Disk. C. L. Eksergian. 2,655,229, Oct. 13.
Brake mechanism for looms, Shuttle. D. Casals. 2,658,532, Nov. 10.
Brake mechanism for paper-cutting machines and the like. W. C. Rupp. 2,633,219, Mar. 31.
Brake mechanism, Gun mount. R. J. Lennon. 2,642,958, June 23.
Brake mechanism, Safety. W. E. Brady. 2,663,596, Dec. 22.
Brake mechanism with removable shoes. J. H. Coombes and W. Mann. 2,650,680, Sept. 1.
Brake operator, Top shoe. H. F. Vickers. 2,639,785, May 26.
Brake pedal holding device. R. A. Hanes and H. E. Luebbers. 2,662,728, Dec. 15.
Brake pipe and signal hose coupling gasket groove reconditioning device. J. M. Montgomery. 2,651,066, Sept. 8.
Brake pivot, Nonmagnetic. O. W. Mahlke. 2,625,451, Jan. 13.
Brake plate and cylinder assembly. W. M. Venner and P. L. Bowser, Jr. 2,643,742, June 30.
Brake proportioning combination, Tractor-trailer. F. R. Allin and F. D. Wyss. 2,653,680, Sept. 29.
Brake release, Automatic. J. Fenley. 2,663,386, Dec. 22.
Brake release indicating means, Fluid pressure. A. T. Gorman. 2,640,732, June 2.
Brake release mechanism, Automatic. J. F. Martin. 2,656,025, Oct. 20.
Brake rigging. G. B. Hunt. 2,645,310, July 14.
Brake rigging. W. E. Wine. 2,657,766, Nov. 3.
Brake rotor. W. A. Helsten. 2,627,325, Feb. 3.
Brake rotor. W. A. Helsten. 2,629,464, Feb. 24.
Brake safety mechanism. P. C. Wilson. 2,642,960, June 23.
Brake shoe and assembling same. J. R. Glazebrook and A. T. Wille. 2,644,551, July 7.
Brake shoe and sander support adjusting means for railway vehicle brakes. M. P. Blomberg. 2,631,875, Mar. 17.
Brake shoe bonder. J. C. Heintz, Jr. 2,655,974, Oct. 20.
Brake shoe, Nonsquealing bonded. W. R. Rodger. 2,628,693, Feb. 17.
Brake shoe, Nonsquealing sheet metal. J. H. Hunt. 2,658,473, Nov. 10.
Brake shoe, Reinforced cast. J. C. McCune. 2,656,022, Oct. 20.
Brake slack adjuster for railway cars. L. R. Spann and G. R. Tarbox. 2,642,964, June 23.
Brake slack adjusters, Railroad. W. O. Martin. 2,648,408, Aug. 11.
Brake structure. D. Hoppenstand. 2,640,565, June 2.
Brake system bleeder and fluid supply means. J. Radus. 2,633,002, Mar. 31.
Brake system, Hydraulic booster. W. Stelzer. 2,658,347, Nov. 10.
Brake testing apparatus, Air. W. F. Meier. 2,637,201, May 5.
Brake unit. R. D. Kisbey. 2,626,019, Jan. 20.
Brake wear take-up. G. W. Olson. 2,633,940, Apr. 7.
Brake with self-aligning friction surfaces. H. J. Butler. 2,635,714, Apr. 21.
Braking aircraft. F. C. I. Marchant. 2,658,334, Nov. 10.
Braking apparatus for aircraft, Automatic. H. W. Trevaskis. 2,656,017, Oct. 20.
Braking apparatus, Hydraulic. J. H. Brodie. 2,632,301, Mar. 24.
Braking apparatus, Motor vehicle. O. W. Strohm. 2,661,819, Dec. 8.
Braking apparatus, Railway. H. L. Bone. 2,630,884, Mar. 10.
Braking caster. H. B. Middendorf. 2,660,265, Nov. 24.
Braking system. J. B. Polomski, Jr. 2,658,592, Nov. 10.
Braking system. J. D. Russell. 2,648,413, Aug. 11.
Braking system, Fluid pressure. N. A. Stegman. 2,645,307, July 14.
Braking system for electric motors. J. W. Pick, J. L. Fuller. 2,637,007, Apr. 28.
Braking system for vehicles. G. P. Roberts. 2,[illegible] Aug. 11.
Braking system, Injector pump assisted hydrau[illegible] Schnell. 2,636,349, Apr. 28.
Branch hose connector. C. C. Scheele. 2,656,853,
Branched article and making same. M. [illegible] 2,639,532, May 26.
Branched chain octadecenone and preparation W. Kimel. 2,660,608, Nov. 24.
Branding sheet. W. P. Donald. 2,641,998, June
Brassière. W. Blank. 2,648,070, Aug. 11.
Brassière. F. Desrochers. 2,634,418, Apr. 14.
Brassière. G. L. Diebold. 2,663,872, Dec. 29.
Brassière. H. M. Ericson. 2,659,085, Nov. 17.
Brassière. M. C. Fridolph. 2,638,596, May 19.
Brassière. M. M. Gil. 2,648,069, Aug. 11.
Brassière. H. Gluckin. 2,630,572, Mar. 10.
Brassière. F. V. Graf. 2,635,241, Apr. 21.
Brassière. L. Josephson. 2,649,586, Aug. 25.
Brassière. G. Katz. 2,660,729, Dec. 1.
Brassière. S. Kaufman. 2,632,168, Mar. 24.
Brassière. M. A. Peck. 2,637,851, May 12.
Brassière. S. H. Phillips. 2,629,099, Feb. 24.
Brassière. R. Pioli. 2,634,419, Apr. 14.
Brassière. J. E. Robbins. 2,632,167, Mar. 24.
Brassière. A. M. Rosenfield and J. J. Go 2,628,356, Feb. 17.
Brassière. W. Rosenthal. 2,651,038, Sept. 8.
Brassière. H. Sands. 2,635,242, Apr. 21.
Brassière. H. L. Schwartz. 2,644,947, July 14.
Brassière. G. Whitman. 2,626,395, Jan. 27.
Brassière. M. Wolff. 2,657,386, Nov. 3.
Brassière, Amplifying. E. Silvani. 2,632,169,
Brassière and framework therefor. J. E. L 2,627,603, Feb. 10.
Brassière cup and making same, Radiant stitched. Froehlich. 2,629,100, Feb. 24.
Brassière having cups made from elastic materia Schaumer. 2,651,779, Sept. 15.
Brassière having elastic cups. T. B. Schaumer. 2 July 7.
Brassière, Strapless. F. Sider. 2,628,357, Feb. 1
Brassière with breast straps having adjustment J. J. Lo Cascio. 2,650,363, Sept. 1.
Brazed joint with backing ring. R. J. T 2,646,995, July 28.
Brazing aluminum fins to steel tubes, Method paratus for. C. H. True. 2,650,420, Sept. 1.
Brazing and brazing alloy. P. T. Stroup. 2,659, 17.
Brazing of austenitic ferrous metals. H. N. Bo D. C. Hart. 2,633,633, Apr. 7.
Brazing resistor terminals. T. E. Finch. 2 Mar. 3.
Breadbox. L. H. Barnett and H. Brin. 2,661,11
Bread cooling and conditioning system. R. H. 2,643,523, June 30.
Bread sponge products and the production thereo Battiste. 2,632,707, Mar. 24.
Bread wrapping. F. R. Schmitt. 2,632,985, Ma
Breading machine for raw oysters. G. T. 2,659,339, Nov. 17.
Breakout table. G. E. Failing. 2,657,908, Nov.
Breakwater construction. D. H. Hayden. 2 Sept. 22.
Breakwater unit for effecting wave energy di Portable floating type. J. W. Magill. 2,658, 10.
Breaker arm. C. A. Nichols and A. E. Riggs. 2 Nov. 3.
Breaker buoy and power generating means, Com T. G. Hunter. 2,640,326, June 2.
Breaker mechanism for deferred action batterie Everett. 2,656,401, Oct. 20.
Breaker strip construction. L. H. Hinkel. 2 July 7.
Breaker strip construction. L. H. Hinkel and J. 2,644,603, July 7.
Breaker strip construction. J. S. Palmer. 2 July 7.
Breaker strip construction. J. J. Voda and R. E brock. 2,644,606, July 7.
Breaker strip construction. R. E. Wallenbrock Coda. 2,661,117, Dec. 1.
Breaker system, Cascaded. J. D. Wood. 2,648, 11.
Breaking a urea complex. E. R. Wiles, G. L. M H. H. Coffman. 2,663,671, Dec. 22.
Breaking electrical circuits under heavy load, Me apparatus for. R. J. Baskerville. 2,625,623,
Breaking petroleum emulsions and compositions W. H. Kirkpatrick. 2,654,714, Oct. 6.
Breaking petroleum water-in-oil emulsions. W. and E. B. Fisher. 2,646,404, July 21.
Breaking soap-thickened petroleum gels. T. G. 2,652,370, Sept. 15.
Breather valve. F. Niesemann. 2,634,088. Ap
Breathing apparatus. C. D. Cupp. 2,655,150,

Breech block and firing pin assembly for small arms. W. B. Ruger. 2,624,969, Jan. 13.
Breech locking mechanism. C. E. Simpson. 2,651,974, Sept. 15.
Breech mechanism for firearms. J. B. Peters. 2,649,800, Aug. 25.
Brewing beverages and the like, Means for. E. S. Clemens. 2,641,992, June 16.
Brewing device, Beverage. R. S. McWatters. 2,645,173, July 14.
Brewing machine, Beverage. C. J. Forschner. 2,660,947, Dec. 1.
Brick and tile laying machine. J. D. Kirschmann. 2,639,608, May 26.
Brick, Building. H. F. Zagray. 2,655,032, Oct. 13.
Brick cutter. J. R. Findley. 2,653,594, Sept. 29.
Brick handling machine. E. M. Hicks. 2,634,869, Apr. 14.
Brick lifting apparatus. A. S. Mackenzie. 2,635,912, Apr. 21.
Brick package, Pallet-type. E. Reed. 2,630,214, Mar. 3.
Brick slicing mechanism for ice-cream sandwich machines. J. H. Keyser and V. C. Curry. 2,629,342, Feb. 24.
Brick wall, Portable. F. R. Allen. 2,658,379, Nov. 10.
Bricks, Furnace. F. O. Keltz. 2,662,021, Dec. 8.
Bridge amplifier circuit. R. W. Bordewieck. 2,637,786, May 5.
Bridge circuit. R. L. Sink. 2,657,352, Oct. 27.
Bridge circuit. T. H. Wiancko. 2,657,353, Oct. 27.
Bridge construction. J. B. Templeton. 2,641,784, June 16.
Bridge, Dynamically and aerodynamically stable suspension. B. Garfinkel. 2,632,190, Mar. 24.
Bridge for bass violins. S. Melita. 2,625,849, Jan. 20.
Bridge for resistance measurement. R. J. Smith. 2,649,571, Aug. 18.
Bridge plug. T. M. Ragan. 2,630,866, Mar. 10.
Bridge-type capacitance liquid level gauge. C. G. Sontheimer. 2,638,000, May 12.
Bridging. D. B. Houghton, Jr. 2,658,241, Nov. 10.
Bridle, Hackamore. J. W. Thomas. 2,630,660, Mar. 10.
Brief bag. R. Rodgers. 2,630,851, Mar. 10.
Brief case and hand protecting pocket, Combination. F. E. Lee. 2,639,749, May 26.
Bright annealing and cleaning. H. R. Spence. 2,644,775, July 7.
Bright corrosion resistant coating of metals. C. W. Ostrander. 2,628,925, Feb. 17.
Bright gold and gold alloy plating baths. B. D. Ostrow. 2,660,554, Nov. 24.
Bright metal plating. E. T. Clayton. 2,640,001, May 26.
Bright nickel plating composition and process. H. G. Donnelly. 2,648,627, Aug. 11.
Brightening aluminum. W. C. Cochran. 2,650,157, Aug. 25.
Brightening aluminum and aluminum alloy surfaces. H. M. Freud. 2,647,865, Aug. 4.
Brightening and passivating solution. A. W. Faucher. 2,634,224, Apr. 7.
Brightening foodstuffs containing carbohydrates. H. Zwelfel and F. Ackermann. 2,646,355, July 21.
Brightening nickel. W. G. Zelley. 2,638,410, May 12.
Brine pump. C. E. Kerr. 2,629,331, Feb. 24.
Bringing a newly charged catalytic reactor on stream. L. J. Ronayne. 2,626,288, Jan. 20.
Bringing an object to a given temperature, Process and apparatus for. P. G. M. Barris. 2,638,759, May 19.
Briquettes, Manufacturing. A. L. Stillman. 2,661,320, Dec. 1.
Briquetting asphalt compositions. M. W. Stacy. 2,662,030, Dec. 8.
Briquetting roll. B. G. Klugh and G. C. Perrine. 2,662,246, Dec. 15.
Briquetting roll assembly. B. G. Klugh and G. C. Perrine. 2,662,247, Dec. 15.
Bristle setting. K. V. Hardman and A. J. Lang. 2,643,157, June 23.
Broach. C. A. Hooper. 2,656,590, Oct. 27.
Broach. F. J. and E. J. Lapointe. 2,643,443, June 30.
Broach assembly. S. J. Kopec. 2,629,294, Feb. 24
Broach for shaving round parts. L. W. Bedker. 2,645,980, July 21.
Broach, Rotary. R. E. Coles. 2,654,293, Oct. 6.
Broaching machine. E. J. and F. J. Lapointe. 2,643,585, June 30.
Broaching machine. W. S. Praeg. 2,644,369 July 7.
Broaching machine. A. A. Weisberger and R. J. Helton. 2,647,443, Aug. 4.
Broaching machine. B. Welte. 2,631,501, Mar. 17.
Broaching machine. F. C. Wilson. 2,625,081, Jan. 13.
Broaching tool. H. W. Jespersen. 2,651,102, Sept. 8.
Broad band coupler. J. M. Wolf. 2,624,802, Jan. 6.
Broad-band wave guide-to-coaxial line junction. S. B. Cohn. 2,633,493, Mar. 31.
Broadcast seeder and fertilizer spreader, Combined. D. L. Sherer. 2,661,955, Dec. 8.
Broadcasting and intercommunication system. L. O. and G. Hodson, and C. Ross. 2,626,995, Jan. 27.
Broiler. M. E. Fry. 2,639,659, May 26.
Broiler. E. P. Tyler. 2,659,296, Nov. 17.
Broiler for stoves and ranges. W. Kennedy. 2,624,331, Jan. 6.
Broiler griddle mounting means. G. H. Allgeyer. 2,664,490, Dec. 29.
Broiler structure. A. G. Feder. 2,657,110, Oct. 27.
Broiling apparatus, Meat. B. Ebin. 2,655,096, Oct. 13.
Broiling device. E. Dornbush. 2,646,495, July 21.
Broken axle puller. J. Tarapacki. 2,648,564, Aug. 11.
Bromination of benzene-series hydrocarbons. L. K. Frevel and J. W. Hedelund. 2,659,760, Nov. 17.
Bromination of polyhalomethanes. R. P. Ruh and R. A. Davis. 2,658,086, Nov. 3.
Bromoalkylsilanes and their preparation. J. L. Speier, Jr. 2,640,064, May 26.
Bromocholadienes, Manufacture of. K. Miescher, A. Wettstein, and J. Heer. 2,650,930, Sept. 1.
Bromofluoromethanes, Preparation of. R. P. Ruh and R. A. Davis. 2,639,301, May 19.
Brooch-fastening device, Safety. A. E. Hestermann. 2,639,482, May 26.
Brooder structure. A. E. Wood. 2,628,590, Feb. 17.
Broom. H. H. Birch. 2,645,805, July 21.
Broom. F. R. Wiley. 2,649,602, Aug. 25.
Broom assembly and weight compensating means therefor, Power sweeper. C. W. Mott. 2,637,055, May 5.
Broom head and means for removably attaching it to a handle. K. Erik. 2,642,610, June 23.
Broom machine. E. C. C. Miller. 2,638,277, May 12.
Broom with metal handle. A. L. Le Febvre. 2,648,860, Aug. 18.
Brooms, Making. B. Montero and R. J. Palmer. 2,653,056, Sept. 22.
Browband. J. G. Heyck. 2,628,361, Feb. 17.
Brush. G. K. Davis, Jr. 2,654,905, Oct. 13.
Brush. W. A. Lombardi. 2,651,799, Sept. 15.
Brush. E. A. Neugass. 2,652,580, Sept. 22.
Brush. R. O. Peterson. 2,661,491, Dec. 8.
Brush. J. Petrone. 2,647,274, Aug. 4.
Brush and buffer holding handle, Resilient. R. S. Parker. 2,641,786, June 16.
Brush and casing therefor, Retractable. A. F. Tomlinson. 2,637,869, May 12.
Brush and comb, Combination. A. Grüring. 2,660,183, Nov. 24.
Brush and container therefor, Extensible. W. P. Abel. 2,645,803, July 21.
Brush and dispensing cabinet. E. R. Lindsay. 2,652,306, Sept. 15.
Brush and making. K. V. Hardman and A. J. Lang. 2,648,861, Aug. 18.
Brush and making same. B. E. Nelson and R. O. Peterson. 2,626,414, Jan. 27.
Brush and making same. R. F. Seelenbinder. 2,631,323, Mar. 17.
Brush and mechanism for making same. J. B. Benyak. 2,661,490, Dec. 8.
Brush and nesting case, Hand. M. A. Chesney and H. A. Lang. 2,648,083, Aug. 11.
Brush and prolonging its life, Electrical machine. J. E. Diehl and P. Smisko. 2,656,475, Oct. 20.
Brush and soap holder, Combined. H. L. Mills. 2,642,603, June 23.
Brush and sponge windshield cleaner, Combination. E. A. Fuglie. 2,663,889, Dec. 29.
Brush and the bristle formed therewith. H. Gantz, H. H. Schwartz, and C. Iasillo, Sr. 2,645,804, July 21.
Brush and the like, Container. C. Doering. 2,638,617, May 19.
Brush assembling machine. J. G. Baumgartner. 2,664,315, Dec. 29.
Brush assembly, Sectional. L. J. Mundo. 2,645,802, July 21.
Brush comprising brush strips and holder therefor. W. A. Lombardi. 2,651,798, Sept. 15.
Brush construction. A. Ozdobinski. 2,637,061, May 5.
Brush control for carpet sweepers, Spring. F. W. Pullen. 2,631,312, Mar. 17.
Brush control for carpet sweepers, Spring. F. W. Pullen. 2,634,443, Apr. 14.
Brush, Cosmetic. M. Cowan. 2,637,060, May 5.
Brush, Dispensing. S. J. Glantz. 2,636,203, Apr. 28.
Brush, Dusting. D. Heller. 2,631,316, Mar. 17.
Brush, Electrical contact. D. Ramadanoff. 2,640,944, June 2.
Brush for clothes, Hand-supported suction. E. C. Calvin. 2,644,189, July 7.
Brush for sanitary pipe washing equipment, Fountain. P. K. Girton. 2,626,413, Jan. 27.
Brush grubbing device. F. B. Ferris, Jr. 2,632,261, Mar. 24.
Brush having an internal anchor for securing the bristles within the ferrule. H. F. Sauter and J. J. Weinberger, Jr. 2,641,014, June 9.
Brush having duo sections, Duplex. H. A. Petsch. 2,649,598, Aug. 25.
Brush having oppositely extending detachable handle, Bath. M. Gotsfeld. 2,631,319, Mar. 17.
Brush having removable brush units for cleaning Venetian blinds, Suction. A. C. Tomanica. 2,652,583, Sept. 22.
Brush holder. E. C. Ballman. 2,648,023, Aug. 4.
Brush holder for electrical machinery. F. O. Wisman and R. J. Reek. 2,651,735, Sept. 8.
Brush holder support for dynamoelectric machines, Adjustable. J. Agron. 2,632,860, Mar. 24.

Brush in elastic base for handpiece, Dental. A. D. Wiseman. 2,656,559, Oct. 27.
Brush, Inside bottle. G. L. N. Meyer. 2,633,592, Apr. 7.
Brush lifting device for variable resistances. A. J. Klose. 2,640,900, June 2.
Brush, Liquid dispensing. B. R. Fisher. 2,630,594, Mar. 10.
Brush machine, Dynamo. R. M. Goodwin. 2,628,511, Feb. 17.
Brushmaking machine. A. F. Anderson. 2,649,336, Aug. 18.
Brush making machine. R. F. Lange and M. W. Cucksey. 2,647,018, July 28.
Brush mechanism for washing glasses, Rotary. C. B. Webber. 2,631,313, Mar. 17.
Brush, Motor-driven rotary currying. E. J. Dullinger. 2,649,597, Aug. 25.
Brush, Portable rotary fountain. W. G. Cunningham. 2,643,406, June 30.
Brush, Power-driven cleaning. A. Ward. 2,660,746, Dec. 1.
Brush, Power-driven fountain. G. H. Kilgore. 2,651,795, Sept. 15.
Brush, Reinforced wire. G. H. Swart. 2,648,084, Aug. 11.
Brush rest. N. F. Waisanen. 2,631,325, Mar. 17.
Brush rest, Paint. D. H. Nelson. 2,639,835, May 26.
Brush, Rotary. L. J. Rousseau. 2,651,797, Sept. 15.
Brush, Rotary flour. F. A. Anetsberger. 2,632,410, Mar. 24.
Brush, Sponge rubber. G. H. Moser. 2,637,871, May 12.
Brush spring retractor. H. A. Krause. 2,655,061, Oct. 13.
Brush stripper attachment for liquid containers. L. L. Kellett. 2,644,183, July 7.
Brush, Toilet bowl. E. C. Scaff. 2,628,381, Feb. 17.
Brush trimming and bending machine. T. Marks and J. and L. M. Jimenez. 2,643,156, June 23.
Brush type apparatus for washing roofs of railway cars and other vehicles, Rotary. L. D. Holmes. 2,637,054, May 5.
Brush, Water driven fountain. W. Fleming. 2,650,381, Sept. 1.
Brush, Water turbine operated rotary fountain. L. B. Grafani and N. B. Chebot. 2,632,191, Mar. 24.
Brush wiper. F. J. Bosley. 2,645,377, July 14.
Brush wiper attachment for paint cans. F. Sievern and J. L. Fox. 2,647,658, Aug. 4.
Brush with element of the channel strip type. H. Cave. 2,653,340, Sept. 29.
Brush with liquid feeding means. F. J. Caronia. 2,641,011, June 9.
Brush with self-closing outlet tube, Fountain. W. H. Halecky. 2,632,904, Mar. 31.
Brush with short bristles, Force-feed. R. S. Eisner and M. R. Galle. 2,633,589, Apr. 7.
Brushes for sweepers, Pickup. J. H. Browne. 2,651,803, Sept. 15.
Brushes, Making. H. W. Bible, Jr. 2,634,167, Apr. 7.
Brushes, Making. W. F. Enchelmaier. 2,659,632, Nov. 17.
Brushes, Making. C. H. Winslow, Jr., and H. S. Williston. 2,664,316, Dec. 29.
Brushes, Making molded. N. T. Baldanza. 2,643,158, June 23.
Brushing and nap-raising attachment for carpet cleaning machines, Portable. J. D. Conway. 2,663,045, Dec. 22.
Brushing apparatus. R. A. Kraay. 2,645,797, July 21.
Brushing apparatus, Pipe. C. F. Morain. 2,637,056, May 5.
Brushing machine for washing vehicles, Portable. M. J. Wilson. 2,636,198, Apr. 28.
Brushing mechanism. I. B. Rose. 2,629,343, Feb. 24.
Brushing mechanism for metal sheets and the like. R. O. Peterson. 2,636,200, Apr. 28.
Bubble blowing gun. P. Kopf. 2,659,177, Nov. 17.
Bubble cap and riser assembly. L. P. Wansink and C. L. Haynes. 2,650,809, Sept. 1.
Bubble cap assembly. P. J. Sullivan. 2,645,468, July 14.
Bubble cap assembly for fractionating apparatus. H. V. Hendrix. 2,627,397, Feb. 3.
Bubble cap fastening means. G. W. Plossl and W. E. Leety. 2,645,469, July 14.
Bubble forming device. H. W. Clausen. 2,631,404, Mar. 17.
Bubble making device. N. A. Fisher and A. B. Mull. 2,624,974, Jan. 13.
Bubble producing machine. C. H. Schmidt, Jr. 2,632,281, Mar. 24.
Bubble tower, Leaning. W. H. Rupp. 2,645,467, July 14.
Bubbling reduction for high temperature resisting bonding. K. F. Hager, H. I. Lindenmayr, and M. Rosenthal. 2,653,889, Sept. 29.
Bucket. W. M. Wood. 2,628,121, Feb. 10.
Bucket, Aerated minnow. R. G. McKissack. 2,663,115, Dec. 22.
Bucket and brush supporting bracket, Paint. W. H. Welsh. 2,634,937, Apr. 14.
Bucket and cover therefor, Spinning. H. D. Haley. 2,628,740, Feb. 17.
Bucket, Angularly adjustable boom-suspended. J. M. Johnson. 2,651,424, Sept. 8.
Bucket, Collapsible. B. G. Miller. 2,664,131, Dec. 29.
Bucket, Collapsible scrub. D. K. Sanderson. 2,638,952, May 19.
Bucket, Earth digging. E. H. Kluckhohn. 2,652,639, Sept. 22.
Bucket for power shovels. L. E. Smith. 2,657,814, Nov. 3.
Bucket, Vacuum well. R. S. Henry. 2,627,926, Feb. 10.
Buckle. J. Dronoff. 2,640,241, June 2.
Buckle. P. Levine. 2,635,313, Apr. 21.
Buckle. A. Neumann. 2,648,112, Aug. 11.
Buckle. H. S. van Buren, Jr. 2,642,641, June 23.
Buckle. P. W. White. 2,654,928, Oct. 13.
Buckle. J. R. Whitehouse and H. C. Valsey. Buckle. 2,634,479, Apr. 14.
Buckle and parts thereof, Covered. H. Koehl and H. A. Prym. 2,643,430, June 30.
Buckle, Bale band tie. W. E. Brown. 2,648,880, Aug. 18.
Buckle, Belt. O. Katzman. 2,634,481, Apr. 14.
Buckle, Belt. C. S. Marien. 2,651,090, Sept. 8.
Buckle, Belt. M. Marino. 2,634,482, Apr. 14.
Buckle, Belt. C. A. Spanganberg. 2,634,477–8, Apr. 14.
Buckle, Belt. H. C. Valsey and J. R. Whitehouse. 2,634,484, Apr. 14.
Buckle, Belt. J. R. Whitehouse. 2,634,483, Apr. 14.
Buckle for the body of artificial limbs, Adjustable. W. C. Weimer. 2,640,242, June 2.
Buckle, Lock. H. R. Kirsten. Re. 23,747, Dec. 1.
Buckle, Mechanical belt. J. Abel. 2,663,062, Dec. 22.
Buckle, Ornamental belt. J. B. Freysinger. 2,649,636, Aug. 25.
Buckle, Slidable gripping. H. J. Reiter. 2,636,234, Apr. 28.
Buckle, Strap. F. A. Ray. 2,634,480, Apr. 14.
Buckle, Window. S. Mishkin and A. Kuber. 2,634,476, Apr. 14.
Buckle with fastener element on slider, Gripping slider type. P. D. Becker. 2,653,364, Sept. 29.
Buckle with fastener member on slider, Gripping slider type. W. I. Jones. 2,662,258, Dec. 15.
Buckle with swingable release member. E. C. Elsner. 2,653,365, Sept. 29.
Buckle, Yieldable belt. L. A. Stark. 2,630,612, Mar. 10.
Bucksaw frame. H. E. Hull. 2,645,260, July 14.
Buff. W. Ruthven. 2,663,125, Dec. 22.
Buff and making same. R. O. Peterson. 2,658,315, Nov. 10.
Buff, Rotary. M. Schloss. 2,637,149, May 5.
Buff section manufacture. F. H. Thompson. 2,645,888, July 21.
Buffer, Car. E. O. Lunde. 2,624,471, Jan. 6.
Buffer mechanism for automatic firearms with breech mechanism locked by inertia. H. Lippert and E. Hepperle. 2,641,163, June 9.
Buffer mechanism for railway vehicles. W. J. Metzger. 2,652,159, Sept. 15.
Buffer, Shock-damping. E. A. Sahli. 2,646,083, July 21.
Buffing composition for metals and making same. H. A. Stier. 2,642,348, June 16.
Buffing device. F. P. Bitomley. 2,639,565, May 26.
Buffing device, Fluid. M. P. Taylor. 2,638,339, May 12.
Buffing machine. J. N. Clyne. 2,637,147, May 5.
Buffing machine. F. E. Hendrickson. 2,624,158, Jan. 6.
Buffing machine. F. E. Wing, Jr. 2,635,394, Apr. 21.
Buffing machine, Chain and gear driven semiautomatic. A. J. Janusauskas. 2,626,487, Jan. 27.
Buffing machine for drawing rolls. L. M. Cotchett and R. K. Butler. 2,639,558, May 26.
Buffing machine for drawing rolls. K. P. Swanson. 2,644,276, July 7.
Buffing pad cushion having passages for circulating cooling air through the cushion to the buffing pad. F. De Michel. 2,650,385, Sept. 1.
Buffing wheel. F. E. Hendrickson. 2,651,151, Sept. 8.
Buffing wheel. M. Kanter. 2,637,957, May 12.
Buffing wheel. P. A. Kletzmann. 2,645,065, July 14.
Buffing wheel. H. E. Larsen. 2,660,010, Nov. 24.
Buffing wheel. J. F. Leslie. 2,660,841, Dec. 1.
Buffing wheel. G. A. Lyon. 2,627,146, Feb. 3.
Buffing wheel. W. Ruthven. 2,636,324, Apr. 28.
Buffing wheel and making the same. G. A. Lyon. 2,629,212, Feb. 24.
Buffs, Making. E. Sandman and E. R. Sykes. 2,653,425, Sept. 29.
Building block. C. S. De Mint. 2,633,014, Mar. 31.
Building block laying device. D. Joseph. 2,648,218, Aug. 11.
Building block with spaced walls. H. E. Wilson. 2,647,392, Aug. 4.
Building blocks, Interlocked. H. F. Zagray. 2,634,602, Apr. 14.
Building board. J. Miscall and C. E. Rahr. 2,634,207–8, Apr. 7.
Building board of fiber and asphalt coated perlite. J. Miscall and C. E. Rahr. 2,626,864, Jan. 27.
Building bracket. R. G. Olson. 2,638,643, May 19.
Building construction. J. C. Antony. 2,641,449, June 9.
Building construction. M. O. Brannon. 2,653,356, Sept. 29.
Building construction. J. A. Dondero. 2,633,735, Apr. 7.
Building construction. W. G. Moss. 2,633,621, Apr. 7.
Building construction. C. J. Roos. 2,645,928, July 21.
Building construction. E. W. Smith. 2,648,101, Aug. 11.
Building construction. A. F. Thelander. 2,629,139, Feb. 24.
Building construction. H. P. Vermilya. 2,648,877, Aug. 18.

Building construction and means for erecting the same. A. B. Hammitt and H. L. Birum, Jr. 2,630,892, Mar. 10.
Building construction and slab therefor. F. J. Orzel. 2,635,450, Apr. 21.
Building drum, Collapsible. H. C. Hodgkins. 2,655,977, Oct. 20.
Building element. W. Henrichsen. 2,649,626, Aug. 25.
Building for liquid storage. O. Janssen. 2,656,709, Oct. 27.
Building frame. L. Rodda and H. M. Ward. 2,652,599, Sept. 22.
Building frame construction. E. J. Kump, Jr. 2,638,637, May 19.
Building in the cases of books, Method and apparatus for. L. de Florez, O. L. Gore, and E. Bach. 2,640,208, June 2.
Building jack. J. W. Warner. 2,625,368, Jan. 13.
Building model. H. H. Broscious. 2,635,359, Apr. 21.
Building panel and construction. W. H. Crowther. 2,659,938, Nov. 24.
Building panels, Making. B. Roensch and P. Brown. 2,655,710, Oct. 20.
Building structure. H. L. Havens. 2,651,391, Sept. 8.
Building structure. E. C. Schmidt, Jr. 2,632,538, Mar. 24.
Building structure. W. L. Scott, A. D. Park, and J. T. Baldwin. 2,648,104, Aug. 11.
Building structure, Air wall. R. P. Carroll. 2,659,110, Nov. 17.
Building structure, Bombproof. W. Rowles. 2,653,468, Sept. 29.
Building structure, Tubular. D. B. Poynter. 2,635,303, Apr. 21.
Building structures, including panels, Thermally insulated. M. Clements. 2,662,043, Dec. 8.
Building suitable for use as tourist lodges and the like. M. L. Priebe. 2,638,635, May 19.
Building, Tornado proof. E. A. Johnson. 2,649,625, Aug. 25.
Building trim. R. W. Stalter. 2,641,030, June 9.
Building unit, Hollow masonry. V. A. Barnhart. 2,660,878, Dec. 1.
Building unit, Structural. N. T. Clements. 2,644,327, July 7.
Building wall construction. P. J. Callan. 2,653,469, Sept. 29.
Building wall corner joint. E. E. Styles. 2,662,252, Dec. 15.
Bulb handling device, Electric. A. C. Fjeld. 2,634,999, Apr. 14.
Bulb manipulating implement. E. Flower. 2,634,998, Apr. 14.
Bulb remover. Electric. R. C. Robinson. 2,637,587, May 5.
Bulb. Shielded electric light. M. J. King. 2,633,549, Mar. 31.
Bulb unit, Electric light. J. B. Dickson. 2,645,736, July 14.
Bulge packing of fruit. E. Meyer. 2,646,198, July 21.
Bulk paper plate wrapping machine. J. Buechek. 2,656,659, Oct. 27.
Bulldozer. C. L. Cook, A. E. Young, and J. H. Edman. 2,626,470, Jan. 27.
Bulldozer. J. W. Merz. 2,634,518, Apr. 14.
Bulldozer. J. W. Merz. 2,643,472, June 30.
Bulldozer. F. O. Wood. 2,649,794, Aug. 25.
Bulldozer and shovel arrangement, Combination. W. A. Maxwell. 2,660,816, Dec. 1.
Bulldozer attachment for tractors. A. R. Henry. 2,624,132, Jan. 6.
Bulldozer attachment for tractors. J. W. Merz. 2,634,519, Apr. 14.
Bulldozer with push frame stabilizer mechanism. H. W. Rockwell. 2,624,131, Jan. 6.
Bulldozing machine. R. G. Le Tourneau. 2,630,638, Mar. 10.
Bullet forming die. E. Gibbs. 2,654,140, Oct. 6.
Bullion fringe. J. Newman. 2,646,671, July 28.
Bumper and retainer, Combination. E. J. Herbenar. 2,652,585, Sept. 22.
Bumper and step and trailer-hitch unit. W. E. Bice, Jr. 2,649,308, Aug. 18.
Bumper clamp. G. W. Harder and W. D. Wuest. 2,631,806, Mar. 17.
Bumper, Cushioning. D. R. Falkenberg. 2,660,751, Dec. 1.
Bumper for tank type vacuum cleaners. V. H. Helton. 2,626,173, Jan. 20.
Bumper for tractors and the like. W. E. Meyer and G. L. Flaherty. 2,639,933, May 26.
Bumper guard. R. A. Sandberg. 2,626,827, Jan. 27.
Bumper guard, Auto. P. H. Lepponen. 2,650,851, Sept. 1.
Bumper guard, Automobile. P. M. Mitchell. 2,642,303, June 16.
Bumper-operated garage door. W. R. Dadswell. 2,629,435, Feb. 24.
Bumper sub and safety joint unit, Combination. K. R. Stohn. 2,650,797, Sept. 1.
Bumper, Truck dock. F. B. Schuyler. 2,649,295, Aug. 18.
Bun warmer. G. M. Larkin. 2,649,853, Aug. 25.
Bunch building method and apparatus. E. J. Berry. 2,650,769, Sept. 1.
Bunching and counting mechanism. H. Peters and W. J. Tilton. 2,655,083, Oct. 13.
Bundle transporting device. B. O. Wiggan. 2,655,323, Oct. 13.
Bundling machine. M. G. Shenigo. 2,662,468, Dec. 15.
Bung construction. M. J. Quillinan. 2,643,790, June 30.
Bung for beer barrels or the like, Plastic. V. Alvear. 2,657,817, Nov. 3.
Bunghole adapter. R. J. Gray. 2,646,293, July 21.
Bung or stopper. J. R. Cuttell and T. R. Ashton. 2,655,280, Oct. 13.
Bung wrench. A. Dos Santos and W. K. Mossman. 2,643,566, June 30.
Buoy indicator. H. S. Garrett. 2,633,818, Apr. 7.
Buoy-type detector carrier. J. W. Flude. 2,625,129, Jan. 13.
Buoyant chamber scuttling device. R. L. Freas. 2,637,862, May 12.
Buoyant, regulated-temperature weather-suit. H. K. Shaw. 2,647,507, Aug. 4.
Burette with variable capacity. H. Ruf. 2,660,342, Nov. 24.
Burglar alarm box. F. E. Poulson. 2,627,065, Jan. 27.
Burglar alarm safety lock. K. Makishima. 2,660,632, Nov. 24.
Burglar alarm switch. A. Krueger. 2,640,894, June 2.
Burglar trap. R. H. Burnell. 2,637,284, May 5.
Burial apparatus. M. W. Chrisman. 2,655,713, Oct. 20.
Burn and wound dressing. H. Freiberger. 2,652,829, Sept. 22.
Burn-off machine. T. W. Bailey. 2,644,274, July 7.
Burner: *See*—
Air-atomizing oil burner.
Combination oil-gas fired conversion burner.
Combustion cell gas burner.
Concentric gas and air burner.
Downdraft burner.
Film type liquid fuel burner.
Fluid fuel burner.
Fuel burner.
Gasified fuel oil burner.
Horizontally fired gas-oil burner.
Internal lathe burner.
Internally fired gas burner.
Liquid fuel burner.
Modulating gas burner.
Nozzle burner.
Oil burner.
Pan type oil burner.
Post-mix, multiple outlet gas burner.
Pot type fuel oil burner.
Pot type oil burner.
Pressure spray oil burner.
Pulverized fuel burner.
Radiant gas burner.
Rotary gas burner.
Solid fuel burner.
Submerged flame burner.
Tubular radiant gas burner.
Utility burner.
Variable outlet gas burner.
Burner. W. J. Smith and W. W. Slaght. 2,625,213, Jan. 13.
Burner and burner control system for glass burn-off machines. J. W. Eldred. 2,629,205, Feb. 24.
Burner and chimney for incandescent mantle lamp. W. B. Engh. 2,661,418, Dec. 1.
Burner and combustion apparatus, Liquid fuel. J. S. Clarke. 2,640,320, June 2.
Burner and control system therefor, Combination gas and oil. R. H. Siemon. 2,631,656, Mar. 17.
Burner and draft shield, Gas pilot. C. E. Bodey. 2,648,377, Aug. 11.
Burner and fire control device, Oil. J. G. and W. H. Gilmore. 2,654,423, Oct. 6.
Burner and flow restrictor, Gas. O. Reich. 2,662,590, Dec. 15.
Burner and heater device with plurality of whirl chambers. G. M. A. C. Geeven and J. A. L. Yzer. 2,662,370, Dec. 15.
Burner and igniter, Pot-type oil. H. C. Long. 2,646,111, July 21.
Burner and igniter structure. G. W. Allen and V. N. Tramontini. 2,652,888, Sept. 22.
Burner and port-forming grid, Gas. O. C. Palmer and W. J. Schmoll. 2,628,675, Feb. 17.
Burner and secondary air feed baffle, Multiple gaseous fuel. C. A. Brown. Re. 23,721, Oct. 13.
Burner and secondary air supply means, Gas. H. E. Handley. 2,646,842, July 28.
Burner and support therefor, Oil. H. E. Hopkins. 2,638,890, May 19.
Burner and supporting plate, Gas. W. J. Kuhn. 2,630,859, Mar. 10.
Burner assembly, including a flash tube lighter for cooking stoves or ranges, Top. C. F. Schlenk, E. W. Cheeseman, and R. L. Patrick. 2,649,850, Aug. 25.
Burner construction, Liquid fuel. M. Resek. 2,630,165, Mar. 3.
Burner control apparatus. H. L. Hanson. 2,662,591, Dec. 15.
Burner control apparatus, Electronic. M. R. and H. J. Smith. 2,648,375, Aug. 11.
Burner control apparatus with component checking means. J. M. Wilson. 2,626,657, Jan. 27.
Burner control, Gas. R. S. Penn. 2,653,768, Sept. 29.
Burner control means. J. A. Cerny and N. B. Green. 2,630,860, Mar. 10.
Burner control system. R. B. Matthews. 2,659,844, Nov. 17.

Burner control system, Gas. W. A. Ray. 2,652,109, Sept. 15.
Burner control system utilizing flame conduction, Safety fuel. F. E. Cairns, Jr. 2,640,920, June 2.
Burner control unit, Thermally responsive oven. R. L. Perl. 2,649,524, Aug. 18.
Burner control valve. R. E. Newell, Jr. 2,632,504, Mar. 24.
Burner device having heat exchange and gas flow control means for maintaining pyrophoric ignition therein. W. Dürr, L. Huber, and F. Haag. 2,644,512, July 7.
Burner for converting natural gas into gasoline components. W. S. Patterson. 2,660,235, Nov. 24.
Burner for cooking ranges, Gas-fueled broiler. C. M. Mayer. 2,649,149, Aug. 18.
Burner for heavy fuels. M. G. Bachem and A. E. Taupenas. 2,635,588, Apr. 21.
Burner for immersion heaters. J. L. Breese. 2,642,129, June 16.
Burner for liquid fuel. F. Banscher. 2,646,109, July 21.
Burner for liquid fuel. A. P. Young and W. E. Brigham. 2,661,199, Dec. 1.
Burner for liquid fuel, Pot type. W. C. Roberts. 2,640,530, June 2.
Burner for liquid fuels with combustion air under atmospheric pressure for industrial and domestic purposes. M. Nava. 2,660,234, Nov. 24.
Burner for tobacco drying and curing means, Oil. W. B. Dowless. 2,663,364, Dec. 22.
Burner for turbojet engines and the like, After. R. G. Laucher. 2,637,972, May 12.
Burner for vulcanizing apparatus. W. F. Peters and J. Riesinger. 2,649,851, Aug. 25.
Burner having a bimetallic primary air valve, Gas fueled pilot. G. F. Jenkins. 2,652,108, Sept. 15.
Burner having partitioned outlet ports, Gas. A. H. Brodbeck. 2,646,112, July 21.
Burner having pneumatic secondary air control, Oil. C. Shorrock. 2,661,794, Dec. 8.
Burner having selectable primary air inlets, Gas. G. F. Jenkins. 2,648,378, Aug. 11.
Burner head and secondary air baffle, Gas. M. Resek. 2,661,057, Dec. 1.
Burner head with secondary air feed grooves, Gas. A. J. Lampert and E. A. Merritt. 2,644,515, July 7.
Burner ignition and control system. E. J. Diehl. 2,630,167, Mar. 3.
Burner mounting for warm air heaters. G. E. Hughes and E. Saurborn. 2,658,569, Nov. 10.
Burner of the projected flame type. J. W. Pennington. 2,655,986, Oct. 20.
Burner of the retort vaporizing type, Liquid fuel. P. A. Broady. 2,627,908, Feb. 10.
Burner orifice spud. J. A. Wright. 2,631,659, Mar. 17.
Burner structure. J. Borde. 2,637,378, May 5.
Burner system for deicing the inlets of multiple gas turbine units, Separate. N. H. Kent. 2,634,581, Apr. 14.
Burner system for liquid fuels. R. Martini. 2,655,989, Oct. 20.
Burner throat. S. A. Sloan. 2,647,568, Aug. 4.
Burner unit, Commercial swingable. W. Kennedy. 2,655,912, Oct. 20.
Burner-unit, Ribbon-type gas. J. H. Flynn. 2,647,569, Aug. 4.
Burner with aqueous injection to promote smooth burning, Ram jet. J. W. Mullen, II, and J. B. Fenn. 2,648,196, Aug. 11.
Burner with built-in thermocouple, Pilot. G. P. Greenamyer. 2,649,490, Aug. 18.
Burner with combustion head structure, Gun type oil. J. M. Carroll and T. W. Murphy. 2,637,379, May 5.
Burner with flame rim ignition means, Hearth type oil. L. C. McKee. 2,630,166, Mar. 3.
Burner with forced combustion air, Gas. M. A. Heller and A. J. Conti. 2,632,502, Mar. 24.
Burner with forced combustion air supply, Trough-type oil. H. R. Harris. 2,663,366, Dec. 22.
Burner with heat responsive fuel cutoff, Oil. W. G. Rowell. 2,659,426, Nov. 17.
Burner with multiple mixer and single combustion chamber, Gas. O. C. Kuehne. 2,661,056, Dec. 1.
Burner with replaceable fuel nozzles, Liquid fuel. E. S. Collinson. 2,655,990, Oct. 20.
Burning fuel in jet-operated rotor blades. W. Brzozowski. 2,638,989, May 19.
Burning-in machine. W. F. Burke and O. F. Simpson. 2,651,702, Sept. 8.
Burning lime and like CO_2-yielding materials. J. J. Ruiz. 2,634,119, Apr. 7.
Burning sulfur. G. N. Houston. 2,637,630, May 5.
Burnishing machine and method. C. C. Kinker and J. J. Murtagh. Re. 23,715, Sept. 29.
Burr remover. W. S. Pearson. 2,654,292, Oct. 6.
Burring tool. E. F. Packard. 2,628,513, Feb. 17.
Bus duct and plug-in unit. W. F. Born and J. C. Langaunet. 2,641,636, June 9.
Bus duct for electrical distribution systems. L. W. Dyer and W. F. Born. 2,653,991, Sept. 29.
Bus duct system of power distribution. H. J. Hammerly. 2,626,301, Jan. 20.
Bus with adjustable bus clamping means, Metal enclosed. N. Swerdlow and G. G. Abel. 2,647,940, Aug. 4.
Bush and bog harrow. F. D. Sawyer. 2,641,884, Jun
Bushing. H. D. Petri. 2,663,895, Dec. 29.
Bushing for spark plugs. W. B. Smits. 2,65
Oct. 27.
Bushing for yarn twisting spindle mechanisms, M
rubber. J. K. Cochran. 2,635,019, Apr. 14.
Bushing pocket with oil ports. K. K. Paluev. 2,64
Aug. 4.
Bushing remover tool. H. E. McCord. 2,646,619,
28.
Busy signal for intercommunicating telephone sy
A. S. Kester and B. S. Cahill. 2,632,056, Mar. 17
Butadiene hydrocarbon elastomers having improved
stability. P. A. Sanders and J. R. Vincent. 2,62
Feb. 17.
Butadiene polymers as elastomer additives. W. W. C
2,638,460, May 12.
Butadiene-styrene sized paper and method. E. F. H
and W. D. Thompson. 2,650,163, Aug. 25.
Butadiene-vinylpyridene copolymer and carbon black
position. L. H. Howland and V. S. Cha
2,640,042, May 26.
Butane carburetion. J. F. Armstrong and J. T. W.
ley. 2,636,814, Apr. 28.
Butane-1,2,4-triol, Making. S. Siggia. 2,657,242, O
Butcher block refinishing machine. F. E. Br
2,640,514, June 2.
Butcher's apron with spacing band. L. W. He
2,629,102, Feb. 24.
Butt drive mechanism for pear peeling machines
de Back. 2,660,209, Nov. 24.
Butt-gauging tool. H. T. Morgan. 2,655,732, Oc
Butt welding, Electric. C. G. Gordon and R. R. Ca
2,652,473, Sept. 15.
Butt welding tube ends by induction heating. E. C.
man and R. E. Lorentz, Jr. 2,649,527, Aug. 18.
Butter. H. C. Horneman, R. V. Hussong, S. N.
and R. P. Robichaux. 2,630,059, Mar. 3.
Butter and milk fat concentrate system. I. J.
and B. W. Hammer. 2,630,388, Mar. 3.
Butter dish with pat slicing means. R. T. Epp
2,650,428, Sept. 1.
Buttermaking process and apparatus, Continuous.
Wilsmann. 2,649,377, Aug. 18.
Butter melting and applicator unit for bread to
E. I. Biehls. 2,639,658, May 26.
Butter oil process. I. J. Lundal and R. P. Robi
2,626,217, Jan. 20.
Butter, Preparation of a stable. F. D. Tol
2,638,420, May 12.
Butterfly valve. A. C. Danks. Re. 23,613, Jan. 1
Butterfly valve. H. Ziebolz. 2,624,541, Jan. 6.
Button attaching device, Separable. A. M.
2,644,209, July 7.
Button, Automobile horn ring press. E. R. T
2,631,468, Mar. 17.
Button-clamp lifting means, Automatic. M. M
2,645,192, July 14.
Button, Cloth-covered. W. C. Schuhr. 2,640,238,
Button, Covered separable. A. Tansman. 2,6
Oct. 13.
Button covering, Ornamental. W. Silver. 2,6
May 12.
Button, Detachable. M. T. Lowther and A. R. McK
2,637,082, May 5.
Button device and installation thereof, Removable.
van Buren, Jr. 2,654,133, Oct. 6.
Button, Fabric covered. L. Zelenay. 2,649,634, A
Button fastener. F. H. Schaffer. 2,635,311, Apr.
Buttonhole and making buttonholes. H. A. Moe. 2,6
Apr. 7.
Buttonhole attachment for sewing machines.
Russell. 2,660,138, Nov. 24.
Button injector and positioning attachment. R. H
ler. 2,646,014, July 21.
Button, Machine attached. F. G. Purinton. 2,6
Aug. 25.
Button member, Removable. H. S. van Bure
2,648,882, Aug. 18.
Button panel key. P. G. Lewis. 2,638,012, Ma
Button remover. A. E. Ludgewait. 2,659,141, N
Button, Safety. E. D. Blakemore. 2,625,052, Ja
Button securing device. E. A. Nygard. 2,636,2
28.
Button with insert, Covered. H. J. Koehl. 2,662,2
15.
Butyraldehyde, Manufacturing. L. Alhéritière. 2,6
Nov. 10.
Butyrolactones, Producing. K. Folkers. 2,659,73
17.
By-pass and wrench device, Compression. M. E.
Re. 23,748, Dec. 1.
By-pass thermostatic valve. H. B. Drapeau an
Wingerter. 2,656,982, Oct. 27.
By-pass valve. J. J. Slomer. 2,632,458, Mar. 24.
C clamp. O. C. Kindorf. 2,659,561, Nov. 17.
C clamp combination, Male and female. G. L
mann. 2,636,527, Apr. 28.
Cab mounting. E. R. Sewelin. 2,639,186, May
Cab, Tractor. W. L. Weaklend. 2,631,057, Mar

Cabinet: *See*—
Bottle dispensing cabinet.
Controlled temperature vapor-bath cabinet.
Dish cabinet.
Display cabinet.
Expansible cabinet.
File cabinet.
Foldable cabinet.
Frozen food cabinet.
High fidelity loud-speaker cabinet.
Knockdown cabinet.
Ledger tray cabinet.
Letdown cabinet.
Loud-speaker cabinet.
Merchandise display cabinet.
Motion-picture projector cabinet.
Music-box cabinet.
Open front refrigerated cabinet.
Phonograph cabinet.
Radio phonograph cabinet.
Record storage cabinet.
Refrigerated storage, dispensing, and display cabinet.
Refrigerator cabinet.
Roll type paper dispensing cabinet.
Rotary price and name tag cabinet.
Selective delivery filing cabinet.
Shower cabinet.
Storage and baler cabinet.
Strainer cabinet.
Sunray heat cabinet.
Swinging drawer cabinet.
Toothbrush cabinet.
Tray cabinet.
Vending machine cabinet.

Cabinet. J. I. Atkins. 2,651,703, Sept. 8.
Cabinet. H. L. Bass. 2,630,362, Mar. 3.
Cabinet. M. C. Fritze. 2,635,940, Apr. 21.
Cabinet. W. E. Theobald. 2,637,615, May 5.
Cabinet and bracket therefor. J. W. Anderson. 2,632,684, Mar. 24.
Cabinet and desk, Combined. P. V. Gallo. 2,646,331, July 21.
Cabinet and filler structure therefor, Sectional. H. G. Knuth. 2,661,994, Dec. 8.
Cabinet and rack for storing test tubes. O. P. Erhardt. 2,635,031, Apr. 14.
Cabinet catch. F. Gerson. 2,660,465, Nov. 24.
Cabinet construction. C. E. H. Frykdahl. 2,662,660, Dec. 15.
Cabinet construction. A. K. Peterson. 2,652,308, Sept. 15.
Cabinet construction, Radio-phonograph combination receiver. W. H. Clingman. 2,631,077, Mar. 10.
Cabinet construction, Refrigerated display. F. Kuhn. 2,645,096, July 14.
Cabinet construction, Refrigerator. E. T. Morton. 2,648,584, Aug. 11.
Cabinet enclosure, Sink. T. E. Corrigan. 2,632,682, Mar. 24.
Cabinet for corner use, Kitchen. C. S. Motter. 2,637,613, May 5.
Cabinet for dispensing sheet material. F. L. Broeren, A. S. Kruger, and V. C. Jones. 2,643,070, June 23.
Cabinet for line-retrieving reeling apparatus. L. C. Rotter and A. D. Reisert. 2,659,546, Nov. 17.
Cabinet for sound translating apparatus. H. F. Olson and J. Preston. 2,649,164, Aug. 18.
Cabinet for stores and the like, Display. S. Zuss. 2,634,186, Apr. 7.
Cabinet having improved means for facilitating opening doors singly or in multiple. L. H. Davidson. 2,653,837, Sept. 29.
Cabinet having tiltable receptacles. C. C. Gardner. 2,631,914, Mar. 17.
Cabinet structure, Disappearing. C. B. Lundstrom. 2,653,071, Sept. 22.
Cabinet structure, Filing. J. Adler. 2,656,238, Oct. 20.
Cabinet structure for washing machines. M. A. Kreitchman and W. J. Olson. 2,645,548, July 14.
Cabinet structure, including receptacle and mounting therefor, Refrigerator. C. G. Robbins. 2,640,751, June 2.
Cabinet structure, Mobile radio. W. W. Coxe, Jr. 2,658,101, Nov. 3.
Cabinet with record selecting mechanism, Phonograph record. P. C. Zaccardo and D. Iannone. 2,651,556, Sept. 8.
Cabinet with rotatable shelves. V. F. Davidson. 2,629,643, Feb. 24.
Cable: *See*—
Electric cable.
Cable adjusting device. E. H. Cline. 2,648,109, Aug. 11.
Cable and housing connector. C. W. Musser. 2,656,203, Oct. 20.
Cable and making the same, Low capacitance. J. Perzel. 2,636,923, Apr. 28.
Cable armor cutter. Z. O. St. Palley. 2,642,651, June 23.
Cable armor, Spirally applied, conductively-contacting. W. E. Mougey. 2,662,931, Dec. 15.
Cable clamp. H. R. Wengen and R. B. Schoonmaker. 2,648,111, Aug. 11.
Cable clamping device for feeder taps. E. F. Huston. 2,657,371, Oct. 27.
Cable connector. M. D. Bergan. 2,657,251, Oct. 27.
Cable connector. H. R. Billeter. 2,639,927, May 26.
Cable connector. P. Grabinski. 2,630,074, Mar. 3.
Cable connector seal, Oil-filled. J. Rogoff. 2,635,132, Apr. 14.
Cable containing fluid under pressure, Power. E. W. Greenfield and A. C. Connell. 2,658,939, Nov. 10.
Cable drive for airplanes. E. M. Tucker. 2,649,920, Aug. 25.
Cable entrance for sealed enclosures. J. H. Simpson. 2,652,445, Sept. 15.
Cable-feed mechanism for cable ships. M. Galin. 2,659,549, Nov. 17.
Cable grip, Interwoven mesh type. D. L. Kellems. 2,650,400, Sept. 1.
Cable guide. W. R. Beck. 2,633,309, Mar. 31.
Cable guide. H. J. Troche and J. H. Holan. 2,630,299, Mar. 3.
Cable guide for cable layers. M. C. Taylor. 2,649,746, Aug. 25.
Cable guiding apparatus. H. S. Pike. 2,657,879, Nov. 3.
Cable handler, Seismograph. B. W. Sewell. 2,630,618, Mar. 10.
Cable insulation cutter. E. F. Chisena. 2,647,309, Aug. 4.
Cable jacketing compositions, Synthetic. A. J. Warner. 2,662,932, Dec. 15.
Cable lashing machine. J. J. Harley. 2,663,544, Dec. 22.
Cable lift, Pawl actuated. G. C. Monckmeier. 2,632,629, Mar. 24.
Cable mounting for scrapers or graders. H. H. Washbond. 2,655,742, Oct. 20.
Cable positioning mechanism. L. Enzinger and H. N. Padowicz. 2,634,921, Apr. 14.
Cable pulling attachment for vehicles wheels. T. P. Smith. 2,662,731, Dec. 15.
Cable pulling machine. W. A. Chauvin. 2,655,653, Oct. 13.
Cable reel and lagging. F. R. Schaefer and R. W. Emery. 2,642,990, June 23.
Cable reel take-up. C. O. Bruestle. 2,641,413, June 9.
Cable reeling mechanism. C. F. Ball and R. T. Hair. 2,654,547, Oct. 6.
Cable reeling mechanism. R. J. Hopkins. 2,654,548, Oct. 6.
Cable reeling system. R. N. Cross. 2,626,112, Jan. 20.
Cable release mechanism for cameras. G. Swinnerton. 2,632,337, Mar. 24.
Cable release, Overload. H. H. Hansen. 2,643,134, June 23.
Cable retainer. A. R. Vogel. 2,644,667, July 7.
Cable retrieving apparatus. E. F. Axelsen. 2,650,129, Aug. 25.
Cable sheathing. J. E. McLaughlin. 2,644,353, July 7.
Cable slitting device, Duplex wire. F. Glenger. 2,662,283, Dec. 15.
Cable splices and making it, Coaxial. C. E. Lewis and H. R. Longfellow. 2,640,095, May 26.
Cable take-up device. J. M. Lacher. 2,634,471, Apr. 14.
Cable tension compensating and regulating apparatus. G. R. Myers. 2,661,631, Dec. 8.
Cable tensioning device for a windshield cleaner installation. J. R. Oishei. 2,661,492, Dec. 8.
Cable terminal. J. M. Hobson. 2,657,370, Oct. 27.
Cable vulcanizing support. H. C. Witthoft. 2,627,083, Feb. 3.
Cable wiper and splash shield, Combined. L. B. Collins and C. A. Langstaff. 2,642,941, June 23.
Cable with corrugated seam, Coaxial electric. W. K. Weston. 2,653,989, Sept. 29.
Cable with paper and polystyrene insulation, Gas-filled electric. E. L. Davey. 2,650,261, Aug. 25.
Cable with visible conductors, Splittable. M. H. Frisbie. 2,628,998, Feb. 17.
Cable with weakened stripping plane. T. K. Cox. 2,626,302, Jan. 20.
Cadmium-free low fusing point alloy. A. A. Smith, Jr. and J. L. Everhart. 2,649,367, Aug. 18.
Cage, Chinchilla. L. Miller. 2,655,129, Oct. 13.
Cage for side delivery rakes. W. A. Harper and E. S. Minton. 2,643,505, June 30.
Cage for use in excavating trenches. G. B. Shields. 2,633,713, Apr. 7.
Cage nut. W. A. Bedford, Jr. 2,627,294, Feb. 3.
Cage, Nut. O. J. Poupitch. 2,633,174, Mar. 31.
Cage structure for tubular gauges, Protective. F. Boehm. 2,643,546, June 30.
Caged nut and retaining bracket therefor. G. A. Tinnerman. 2,649,126, Aug. 18.
Caging device for attitude gyroscopes. C. E. Barkalow and T. A. Early, Jr. 2,641,133, June 9.
Caging device for gyroscopes. H. C. Wendt. 2,654,254, Oct. 6.
Caisson, Pile repair. S. S. Glassgold. 2,636,354, Apr. 28.
Cake baking and tenderizing process. R. M. Woods. 2,649,379, Aug. 18.
Cake filler. L. H. Browne. 2,659,320, Nov. 17.
Cake holder for dyeing apparatus. M. W. Reno and J. E. Dougherty. 2,625,810, Jan. 20.
Cake holder for dyeing apparatus. M. W. Reno and J. E. Dougherty. 2,648,214, Aug. 11.
Cake inserter. E. L. Davis, Jr., and M. E. Kalen. 2,642,655, June 23.
Cake pan and support, Combination. W. Van Guilder. 2,661,679, Dec. 8.
Cake plate and decorating device. P. A. Woolsey. 2,658,297, Nov. 10.
Cake stripping bobbin. J. F. Ewing and M. J. Brosious. 2,625,334, Jan. 13.
Calcination. F. R. Kemmer. 2,647,739, Aug. 4.
Calcining apparatus. W. S. Bowen. 2,659,587, Nov. 17.
Calcining apparatus. J. J. Ruiz. 2,628,829, Feb. 17.

Calcining lime bearing sludges. F. S. White. 2,650,084, Aug. 25.
Calcium aluminate-carbonate product and making the same. J. R. Wall. 2,636,830, Apr. 28.
Calcium choline citrate salt of P-amino salicylic acid. H. Hopff and H. Spaenig. 2,655,529, Oct. 13.
Calcium cyanamide, Preparation of. H. A. Walter. 2,632,687, Mar. 24.
Calcium fluoride and silica, Production of. G. E. Engelson and R. N. Secord. 2,631,083, Mar. 10.
Calcium fluoride, Preparation of. J. F. Ross and H. W. Sloyer. 2,653,857, Sept. 29.
Calcium fluorophosphate phosphor containing aluminum, Improved. D. F. Fortney. 2,647,087, July 28.
Calcium manganate-aluminum oxide catalyst. R. B. Bennett. 2,648,639, Aug. 11.
Calcium-sodium soap greases from highly oxidized waxes. J. K. McKinley, B. A. Scott, W. H. Goff, and R. F. Nelson. 2,637,695, May 5.
Calcium sulfate from refinery waste acid, Making. K. F. Schiermeier. 2,655,430, Oct. 13.
Calculating device, Load. J. B. McDonald and F. W. Mazy. 2,636,270, Apr. 28.
Calculating machine. D. Broido. 2,644,638, July 7.
Calculating machine. E. P. Drake and R. S. Mark. 2,629,550, Feb. 24.
Calculating machine. K. Jordan and H. Neumann-Lezius. 2,648,498, Aug. 11.
Calculating machine. H. P. Luhn and R. L. Johnson. 2,651,457, Sept. 8.
Calculating machine. A. B. Machado. 2,650,761, Sept. 1.
Calculating machine. W. A. Parsons and R. E. Busch. 2,647,687, Aug. 4.
Calculating machine. M. E. Sime. 2,646,922, July 28.
Calculating machine, Duplex. W. J. Pasinski. 2,638,271, May 12.
Calculating machine, Electromechanical. J. A. Lawrence and K. M. Heron. 2,653,761, Sept. 29.
Calculating machine function selection mechanism. V. S. Golemon. 2,656,976, Oct. 27.
Calculating machine, Key-driven. J. A. V. Turck. 2,628,026, Feb. 10.
Calculating machine, Key-driven. J. A. V. Turck. 2,646,219, July 21.
Calculating machine, Record controlled. R. A. Rowley and D. C. Newcomb. 2,641,408, June 9.
Calculating machine with rack drive. C. Ochsner 2,641,410, June 9.
Calculating machines, Duplex register. G. C. Ellerbeck. 2,656,104, Oct. 20.
Calculating mechanism. C. A. Parker. 2,649,250, Aug. 18.
Calculating punch. G. F. Daly and F. V. Adams. 2,660,373, Nov. 24.
Calculator. S. A. Ayres. 2,630,271, Mar. 3.
Calculator, Electrical. A. N. Gleyzal. 2,639,089, May 19.
Calculator, Electronic. B. J. Chromy and P. H. Allen. 2,661,899, Dec. 8.
Calculator, Electronic. R. L. Palmer, J. E. Fernekees, J. A. Haddad, B. E. Phelps, and J. V. Williams, Jr. 2,658,681, Nov. 10.
Calculator equipment working with teleprinter. W. Hatton, L. B. Haigh, and L. Kozma. 2,645,420, July 14.
Calculator, Feed. J. B. Christiansen. 2,642,224, June 16.
Calculator for solving phase equilibrium problems, Electrical. M. Muskat. 2,630,968, Mar. 10.
Calculator for use with echo ranging training equipment, Range and altitude. M. E. Droz. 2,627,673, Feb. 10.
Calculator, including a slidable slate, Multiplying. C. Lipkin. 2,663,093, Dec. 22.
Calculator, Insurance. R. L. Baer. 2,628,027, Feb. 10.
Calculator, Mileage. E. W. Pastorius. 2,661,900, Dec. 8.
Calculator, Pocket. H. Storbakken. 2,643,824, June 30.
Calculator, Radiograph. F. Elias. 2,639,091, May 19.
Calculator, Selective sequence electronic. F. E. Hamilton, R. R. Seeber, Jr., R. A. Rowley, and E. S. Hughes, Jr. 2,636,672, Apr. 28.
Calculator, Slide-type. F. H. Brickner. 2,659,532, Nov. 17.
Calculator, Steel square. D. C. Lutz. 2,654,158, Oct. 6.
Calculator, Tabular. H. S. Packard. 2,641,406, June 9.
Calculator, Tax. G. M. MacGinnis. 2,650,763, Sept. 1.
Calculator, Time and wage. F. H. Higgins and W. V. Young. 2,634,054, Apr. 7.
Calculator, Vest-pocket type. S. K. Lowe. 2,637,497, May 5.
Calendar. F. G. Hanna. 2,631,301, Mar. 17.
Calendar, Calculating. O. F. Bryant. 2,649,248, Aug. 18.
Calendar, Loose-leaf display. O. P. Winford. 2,626,819, Jan. 27.
Calender. Automatically controlled. J. B. Collins. 2,626,423, Jan. 27.
Calender delivery mechanism of carding engines. F. Tweedale. 2,631,335, Mar. 17.
Calender roll guide and feed mechanism. W. W. Neely. 2,651,242, Sept. 8.
Calf feeding device. W. P. Hoffmann. 2,629,360, Feb. 24.
Calf puller. W. L. Matteson, Jr. 2,654,368, Oct. 6.
Calf weaner, Electrical. L. M. Johnston. 2,628,592, Feb. 17.
Calibrating apparatus. L. R. Philpott. 2,643,288, June 23.
Calibrating electric oscillation generators, Method of. C. T. Daly. 2,629,829, Feb. 24.
Calibrating liquid level measuring sticks, Means for. L. H. Sandefur. 2,628,493, Feb. 17.
Calibrating means for electrical instruments, Compensated. J. I. Hall. 2,628,993, Feb. 17.
Calibration device, Fluid meter adjustable. P. R. Carlon. 2,630,713, Mar. 10.
Calibration of automatic circuit breakers. T. M. Cole. 2,647,187, July 28.
Calibration of logging systems. C. W. Zimmerman. 2,633,484, Mar. 31.
Calibrator for thermostats. V. J. Evans. 2,658,380, Nov. 10.
Calibrator, Square wave voltage. A. J. Talamini, Jr. 2,637,816, May 5.
Caliper. H. D. Petch. 2,634,505, Apr. 14.
Caliper for sheet material handling apparatus, Magnetic. G. F. Watson. 2,637,552, May 5.
Caliper for threaded joints. J. D. Gardner. 2,663,086, Dec. 22.
Caliper gauge. F. Jakobi. 2,659,982, Nov. 24.
Caliper having linear electrical response, Well bore. R. W. Goble. 2,649,786, Aug. 25.
Caliper, Tubing and casing. M. M. and J. C. Kinley. 2,638,681, May 19.
Caliper using differential series of gauge blocks. N. Trbojevich. 2,645,023, July 14.
Caliper with releasable latch, Tubing. A. H. Brandon. 2,630,632, Mar. 10.
Calipering device, Magnetic. G. F. Watson. 2,637,115, May 5.
Calipering device, Tubing. J. V. Fredd. 2,637,117, May 5.
Calk assembly, Shoe. J. H. Shoemaker. 2,652,638, Sept. 22.
Calk for golf shoes. F. C. Phillips. 2,624,128, Jan. 6.
Calk gun and cartridge adapter. S. Crewe. 2,652,955, Sept. 22.
Calking gun assembly. W. J. S. Ekins. 2,626,731, Jan. 27.
Calking mechanism for holding mobile winching units. W. F. Niedenthal. 2,636,577, Apr. 28.
Calling line identification apparatus. J. E. Ostline. 2,639,330, May 19.
Calorific gas, Manufacture of. J. L. Yellott. 2,656,264, Oct. 20.
Calorimeter. N. G. Lindström. 2,633,748, Apr. 7.
Calorimeter for heat exchange fluids. N. G. Lindström. 2,633,749, Apr. 7.
Cam-acting tension device for frameless window screens. D. J. Rust and J. H. Jensen. 2,625,995, Jan. 20.
Cam-actuated intermittent movement. G. A. Mitchell. 2,660,918, Dec. 1.
Cam actuated jar clamp. N. Crippen. 2,634,637, Apr. 14.
Cam actuator for valves, Plural selective position. T. N. Hannant. 2,630,018, Mar. 3.
Cam and lever actuating mechanism. H. C. Christiance. 2,658,396, Nov. 10.
Cam cleat. W. C. Roberts and O. E. Duffy. 2,627,834, Feb. 10.
Cam closing hand tool. K. J. Klenk. 2,655,722, Oct. 20.
Cam controlled device. J. L. Harris. 2,644,119, June 30.
Cam device for controlling electric circuits. H. D. Gaite. 2,639,340, May 19.
Cam follower for machine tools, Quick return. W. F. Green. 2,661,637, Dec. 8.
Cam follower, Variable timing. J. R. Hutchison. 2,663,288, Dec. 22.
Cam for electrical portable hedge trimmers, Double-action. W. R. Hall. 2,630,628, Mar. 10.
Cam mechanism and manufacturing the same. J. F. Jones, F. F. Timpner, and R. C. Juvinall. 2,628,005, Feb. 17.
Cam operated expanding wrench. V. J. Barnett. 2,627,773, Feb. 10.
Cam operated self-closing gate. W. L. Enghauser. 2,628,441, Feb. 17.
Cam operated synchro-ring staking tool. S. Mclamed. 2,653,493, Sept. 29.
Cam operated target image having an irregular movement. I. J. Sullivan. 2,644,884, July 7.
Cam released clutch. I. Jepson. 2,658,597, Nov. 10.
Cam released pin clutch. N. B. Murphy. 2,634,841, Apr. 14.
Camming article clamp. L. P. Petruschell. 2,656,140, Oct. 20.
Camber adjusting tool. F. H. Hendrick. 2,639,756, May 26.
Camber and caster gauge. L. R. V. Jacobsen. Re. 23,730, Oct. 27.
Camber clamp. T. T. Arner. 2,630,729, Mar. 10.
Camber correction tool. J. O. Redinbaugh. 2,635,608, Apr. 21.
Camera and microscope stand, Combined. J. N. Judd. 2,624,252, Jan. 6.
Camera and spotlight support, Adjustable. A. Secofsky, M. A. Meisel, and A. Zalman. 2,641,430, June 9.
Camera back, Rotatably adjustable. A. Engelhardt. 2,625,864, Jan. 20.
Camera bellows folding machine. W. K. Wight. 2,625,082, Jan. 13.
Camera belt support. E. Sarvoy. 2,548,435, Nov. 10.
Camera case with hood. S. C. Roth. 2,634,661, Apr. 14.

Camera, Color television. W. L. Behrend. 2,641,642, June 9.
Camera, Color television. J. W. Wentworth. 2,641,643, June 9.
Camera control system for the sequential operation of cameras. E. Nassour. 2,649,015, Aug. 18.
Camera copy, Making. M. D. McIntosh. 2,635,951, Apr. 21.
Camera, Deep well. C. A. Donaldson. 2,632,801, Mar. 24.
Camera flash unit. H. C. Green. 2,630,693, Mar. 10.
Camera, Folding roll film. T. W. Clifford and J. Mills. 2,659,283, Nov. 17.
Camera for taking photographs of inner wall of cavity of human or animal bodies. T. Uji, M. Sugiura, and M. Fukami. 2,641,977, June 16.
Camera, High-speed. F. W. Hayward and C. J. Zablocki. 2,645,169, July 14.
Camera, High-speed grid. I. M. Riles and D. W. Stratton. 2,653,507, Sept. 29.
Camera lens board and means for controlling the same. H. Gelb. 2,625,851, Jan. 20.
Camera light aperture control, Automatic. N. E. Walker. 2,655,086, Oct. 13.
Camera, Microfilm. V. E. Pratt, G. F. Gray, and W. A. Pfaff, Jr. 2,633,057, Mar. 31.
Camera, Motion picture. J. Favre. 2,646,718, July 28.
Camera mount and control means therefor, Aerial. R. C. Horne, M. E. Roth, and F. N. Dickerman. 2,630,983, Mar. 10.
Camera, Photoreproduction. L. Linzell. 2,643,187, June 23.
Camera shutter incorporating flash synchronizing mechanism. K. Rentschler. 2,663,233, Dec. 22.
Camera shutter mechanism. M. N. Fairbank. 2,638,825, May 19.
Camera shutter mechanism with synchronizer. W. L. Lawson. 2,641,978, June 16.
Camera slide. R. M. Daly. 2,648,266, Aug. 11.
Camera support. P. W. Calhoun. 2,651,981, Sept. 15.
Camera support means for photographic tripods. H. E. B. Nocht. 2,652,220, Sept. 15.
Camera, Swing lens. F. L. O. Roehrig. 2,655,084, Oct. 13.
Camera titling apparatus, Movie. A. S. Flank. 2,626,537, Jan. 27.
Camera tripod, Collapsible. W. R. Akans. 2,627,386, Feb. 3.
Camera view finder. L. E. Feal. 2,624,229, Jan. 6.
Camera winding key. H. Wehrenfennig and L. Leitz. 2,639,100, May 19.
Camera with a picture strip moving transversely across the camera box, Reflex. J. J. Wolf, Jr. 2,647,449, Aug. 4.
Can: *See*—
Nonupsetting garbage can.
Can. H. Sebell. 2,663,455, Dec. 22.
Can and tumbler package. T. W. Foster. 2,663,413, Dec. 22.
Can bag unloading apparatus. S. R. Johnson and E. G. Blaing-Leisk. 2,664,218, Dec. 29.
Can bag unloading method and apparatus. S. R. Johnson and E. G. Blaing-Leisk. 2,664,216, Dec. 29.
Can body maker. E. Laxo. 2,652,801, Sept. 22.
Can body maker. E. Laxo. 2,656,806, Oct. 27.
Can cap with receptacle. L. R. Theobald, Sr. 2,643,789, June 30.
Can carrier. H. A. Carruth. 2,656,960, Oct. 27.
Can carrier. F. D. Empkie, Jr. 2,637,476, May 5.
Can closing machine with flange suspension support. G. M. Stone. 2,640,452, June 2.
Can construction, Tin. J. C. Casey. 2,631,753, Mar. 17.
Can cover inserting device. H. D. Lathrop. 2,645,400, July 14.
Can crushing device. C. G. Danielson. 2,638,957, May 19.
Can dispatching apparatus. C. J. Smith. 2,624,641, Jan. 6.
Can distributor, Automatic. T. C. Dodge. 2,649,184, Aug. 18.
Can emptying method, Cream. I. F. King. 2,631,112, Mar. 10.
Can-filling apparatus. F. R. Davis. 2,634,035, Apr. 7.
Can filling machine. O. D. Velie. 2,644,629, July 7.
Can filling machine having reciprocating product contacting plunger and moisture projecting device therefor. M. J. McDonough and E. E. Burchett. 2,656,966, Oct. 27.
Can filling machine having siphons for dispensing a predetermined amount of fluid, Automatic. W. J. Tamminga, M. D. Kinney, and F. H. Orr. 2,633,282, Mar. 31.
Can-filling machine with porous packing plunger. R. E. J. Nordquist. 2,626,738, Jan. 27.
Can holder and brush support, Combined paint. A. G. Pitz. 2,626,737, Jan. 27.
Can holding and brush wiping device, Combined. G. O. Loesel. 2,638,245, May 12.
Can labeling machine. C. M. Hesson. 2,626,075, Jan. 20.
Can opener. E. R. Birdsall. 2,656,598, Oct. 27.
Can opener and closure, Combination. F. B. Urbano. 2,649,989, Aug. 25.
Can opener and tear strip extractor, Key type. L. J. Lyle. 2,649,990, Aug. 25.
Can opener attachment. E. L. Acker. 2,624,110, Jan. 6.
Can opener bracket. A. G. Bureau. 2,640,673, June 2.
Can opener cutter assembly. W. J. Landry. 2,647,307, Aug. 4.
Can opening and dispensing containers. H. B. Seltzinger. 2,653,731, Sept. 29.
Can-opening and pouring spout-forming device. G. A. Harms. 2,660,781, Dec. 1.
Can orienting device. A. A. Yates. 2,627,345, Feb. 3.
Can package with handle. J. R. Carpenter. 2,654,475, Oct. 6.
Can punch. F. E. Gillespie, Jr. 2,639,500, May 26.
Can punch and opener, Fluid. A. Jones. 2,636,258, Apr. 28.
Can puncturing and can holder device, Combined. J. O. Keeney. 2,663,460, Dec. 22.
Can puncturing device. R. E. Anderson. 2,624,108, Jan. 6.
Can spout, Detachable. W. F. Bork. 2,627,367, Feb. 3.
Can spout with punch and holddown latch. J. H. McIlroy and W. N. Lampe. 2,643,793, June 30.
Can stacker, Tin. H. W. Madden. 2,639,823, May 26.
Can submerging device for milk coolers. W. H. Harstick. 2,654,500, Oct. 6.
Can tapper and liquid dispenser unit. C. W. Dunn. 2,660,338, Nov. 24.
Can tester pocket assembly. E. Laxo. 2,630,705, Mar. 10.
Can testing head adaptable to various sizes of cans. W. W. Maher. 2,641,126, June 9.
Can top handle. E. S. Fisher. 2,637,465, May 5.
Can weighing machine divider device. G. M. Stone. 2,627,348, Feb. 3.
Can wiping and shielding mechanism. R. J. Bogle and R. E. Renard. 2,634,695, Apr. 14.
Can with built-in dispenser. I. T. Dobkin. 2,664,223, Dec. 29.
Canned products, Preparation of. E. N. Higgins and V. P. Evans. 2,641,176, June 9.
Canning apparatus with can top gripping jaws. R. T. Zaccard. 2,654,521, Oct. 6.
Canning process. C. O. Ball. 2,639,991, May 26.
Canning whole food articles. E. H. Eichler. 2,664,358, Dec. 29.
Canning whole fresh milk. J. C. Moeri. 2,642,363, June 16.
Canceling and dating device. J. H. Koffski. 2,641,182, June 9.
Candelabra and flower holder, Combined. E. J. Wolter. 2,635,178, Apr. 14.
Candle and making. W. Weglin. 2,627,174, Feb. 3.
Candlemaking apparatus. C. J. Schroeder. 2,647,279, Aug. 4.
Candlemaking apparatus. C. J. Schroeder. 2,647,282, Aug. 4.
Candles, confections, icings, and the like and the resulting product, Making. E. O. Whittier. 2,651,574, Sept. 8.
Candymaking apparatus. R. F. Morrison. 2,640,446, June 2.
Candy preforming machine. L. and E. Latini. 2,637,281, May 5.
Cane. G. A. Henderson and W. H. Winborne. 2,642,884, June 23.
Cane gathering device. G. S. Powers. 2,648,944, Aug. 18.
Cane trash mover. W. H. Silver. 2,656,664, Oct. 27.
Canister, Sealed air-purifying. W. P. Yant. 2,626,678, Jan. 27.
Canopy, Aircraft cockpit. P. S. Yujuico and C. F. U. Stoner. 2,652,996, Sept. 22.
Canopy construction. T. T. Danciart. 2,646,810, July 28.
Canopy construction. S. B. Korman and M. Harrison. Re. 23,734, Nov. 10.
Canopy for toll collection booths, Prefabricated. B. Cooper. 2,636,456, Apr. 28.
Canopy for travel kitchens, Protective. S. F. Eskew. 2,625,165, Jan. 13.
Canopy holder. M. C. Wilt. 2,661,924, Dec. 8.
Canopy structure, Reinforced. F. B. Bolte. 2,637,076, May 5.
Canopy, Variable diameter parachute. H. J. Moran. 2,641,424, June 9.
Cantilever type bearing. R. D. Ingalls. 2,644,728, July 7.
Cap: *See*—
Battery cap.
Blasting cap.
Bottle cap.
Chimney cap.
Closure cap.
Container cap.
Graduation cap.
Humidifier radiator cap.
Lady's cap.
Novelty cap.
Radiator cap.
Radiator pressure cap.
Rupturable crown cap.
Self-closing and sealing container cap.
Service cable entrance cap.
Spout cap.
Tank cap.
Toy cap.
Turban cap.
Umbrella runner cap.
Vent cap.
Cap. D. D. Hutton. 2,647,259, Aug. 4.
Cap. D. D. Hutton. 2,647,264, Aug. 4.
Cap and dispenser for perfume bottles, Combined. S. Sudbeaz. 2,641,788, June 16.
Cap and eyeshield, Combination. S. Feldman. 2,663,870, Dec. 29.
Cap and eyeshield, Combination. M. L. Tannenbaum. 2,654,089, Oct. 6.
Cap and hanger for cleaning implements. G. G. Greene, Jr. 2,660,392, Nov. 24.

Cap and pouring spout unit, Closure. M. D. McCauley. 2,636,643, Apr. 28.
Cap applying apparatus. M. Burnell. 2,647,672, Aug. 4.
Cap assembly, Free spinning. L. F. Samler and A. L. Genovese. 2,647,704, Aug. 4.
Cap construction for receptacle dispensers, Measuring. H. C. Gessler. 2,631,758, Mar. 17.
Cap construction, Lined. H. D. Greenberg and I. L. Sutton. 2,644,949, July 14.
Cap feeding mechanism. E. O. Ninneman, G. L. Webster, J. Hohl, and O. Bjering. 2,659,522, Nov. 17.
Cap for cans and the like, Sealing. K. E. Rosenlof. 2,630,237, Mar. 3.
Cap for containers, Dispensing. B. F. Benjamin and F. M. Sabens. 2,633,273, Mar. 31.
Cap for magnetostrictive core laminations. L. Davis, Jr. 2,636,998, Apr. 28.
Cap for welding electrodes, Wrinkle type replaceable. W. G. Fetter, A. F. Wood, and E. F. Holt. 2,663,783, Dec. 22.
Cap forming apparatus. I. Kiwad. 2,657,839, Nov. 3.
Cap hanger. E. W. Hintsala. 2,663,875, Dec. 29.
Cap lifting machine. E. C. Bennett and C. Powell. 2,650,748, Sept. 1.
Cap pistol, Continuous shooting. J. D. Kilgore. 2,643,476, June 30.
Cap protector. M. C. Guest. 2,655,256, Oct. 13.
Cap remover, Bottle screw. F. Krize, Jr. 2,641,943, June 16.
Cap remover, Sliding jaw screw. F. K. Krag. 2,634,638, Apr. 14.
Capseal. M. J. Quillinan. 2,629,512, Feb. 24.
Capped corner and metal top anchorage for furniture. L. W. Pasewalk and J. F. Reimer. 2,654,649, Oct. 6.
Capping head. J. Müller-Strobel. 2,643,805, June 30.
Capping machine, Bottle. W. A. Barrett. 2,641,398, June 9.
Capping machine, High-speed. M. N. Schweizer. 2,658,654, Nov. 10.
Capping machine, Receptacle. C. A. Spalding. 2,644,415, July 7.
Capacitive lighting system. W. B. Greenlee. 2,629,839, Feb. 24.
Capacitor. E. M. Boardman and M. C. Wooley. 2,644,122, June 30.
Capacitor and circuit. W. H. Cherry. 2,656,466, Oct. 20.
Capacitor and manufacture. A. F. Torrisi and F. W. Grahame. 2,648,120, Aug. 11.
Capacity control for reciprocating compressors. C. M. Ashley. 2,626,099, Jan. 20.
Caprolactam, Manufacturing. D. C. England. 2,634,269, Apr. 7.
Capsule computer and delivery device. W. A. Winneberger. 2,664,224, Dec. 29.
Capsule, Cup-shaped foil. O. J. Bruun. 2,641,402, June 9.
Capsule dispenser. H. N. Maier. 2,630,245, Mar. 3.
Capsule dispenser. H. C. McKay. 2,636,469, Apr. 28.
Capsule, Drying. E. M. Yard. 2,638,179, May 12.
Capsule-filling device with capsule hopper feed. G. B. Lawrence and J. A. Huberman. 2,661,884, Dec. 8.
Capsule, High altitude pressure responsive. D. F. Murphy. 2,652,859, Sept. 22.
Capsule, Vending. P. H. Herrick. 2,633,981, Apr. 7.
Car: *See*—
Ballast discharging car.
Charging car.
Coil loading car.
Convertible railway car.
Double-deck railway passenger car.
Freight car.
Load discharging car.
Merchandise unloading toy car.
Mine car.
Railroad fissure detector car.
Railway house car.
Refrigerator car.
Remotely controlled toy car.
Self-propelled railway maintenance car.
Toy electric railway car.
Toy merchandise car.
Vehicle unloader car.
Wood cellular laminated railway car.
Car and electric cable reel. A. L. Lee. 2,628,791, Feb. 17.
Car brake slack adjuster. R. C. Wellwood. 2,651,389, Sept. 8.
Car construction, Railway. T. Madland. 2,658,245, Nov. 10.
Car construction, Railway. S. Simonson. 2,652,158, Sept. 15.
Car coupler. W. J. Metzger. 2,646,896, July 28.
Car coupler. H. L. Spence. 2,645,362, July 14.
Car coupler centering device. O. A. Garber. 2,626,716, Jan. 27.
Car door lock. K. T. Nystrom. 2,639,180, May 19.
Car end for mine cars, Overlapping. R. E. Jones. 2,640,441, June 2.
Car end straightener. C. W. Graham. 2,633,892, Apr. 7.
Car-feeding mechanism, Track positioned. G. W. Merritt and C. L. Muntz. 2,642,006, June 16.
Car, floor, and wall washer. A. H. Rowlett. 2,639,945, May 26.
Car for double-deck loading of automobiles, Freight. C. K. Steins and W. M. Keller. 2,659,318, Nov. 17.
Car loading conveyer system, Automatic. W. E. Saxe. 2,636,622, Apr. 28.
Car panel, Rail. F. A. Ecoff. 2,657,645, Nov. 3.
Car parking mechanism. O. J. Olson. 2,629,507, Feb. 24.
Car puller. F. H. Hoge and J. A. Marland. 2,637,526, May 5.
Car retarder. G. C. Beltman and D. H. Sweet. 2,633,210, Mar. 31.
Car roof hatch cover operating mechanism. E. O. Lunde. 2,647,473, Aug. 4.
Car seat. W. R. Battles. 2,633,895, Apr. 7.
Car seat fabric clip. E. B. Fernberg. 2,639,764, May 26.
Car section, Sleeping. C. B. Stevens. 2,654,895, Oct. 13.
Car shaker. G. V. Woody. 2,626,720, Jan. 27.
Car shaker, Railway. P. E. Glaze. 2,654,490, Oct. 6.
Carside. A. E. Tipton. 2,626,574, Jan. 27.
Car stop. A. H. Genter. 2,659,316, Nov. 17.
Car stop, Automatic safety. C. W. Stickler, Jr. 2,660,959, Dec. 1.
Car structure, Railway gondola. W. M. Sheehan and F. K. Mitchell. 2,648,294, Aug. 11.
Car structure, Railway house. A. Wasberg. 2,654,450, Oct. 6.
Car top boat carrier. E. W. Newman. 2,624,497, Jan. 6.
Car top carriers. C. I. Nielsen. 2,630,257, Mar. 3.
Car truck equalizer control means, Railroad. K. F. Nystrom, V. L. Green, and J. J. Drinka. 2,632,406, Mar. 24.
Car washer with air-actuated agitator, Automatic. M. N. Berezny. 2,637,873, May 12.
Car washing apparatus of the liquid-spray type. J. Vani and A. J. Malpede. 2,648,342, Aug. 11.
Car wheel borer. A. Trosch and R. R. Roberts. 2,657,063, Oct. 27.
Car wheel flange lubricator. D. A. Kelly. 2,656,898, Oct. 27.
Car wheel lubricator. C. W. Fisher. 2,662,611, Dec. 15.
Car with increased seating capacity, Double-deck railway passenger. J. F. Clary. 2,636,454, Apr. 28.
Caramel color compositions. J. B. Longenecker and J. E. Cleland. 2,651,576, Sept. 8.
Carbamic acid esters, Substituted. R. Duschinsky. 2,658,067, Nov. 3.
Carbethoxycyclohexanones. J. A. Hogg, J. Korman, W. B. Reid, Jr., and A. H. Nathan. 2,655,527, Oct. 13.
Carbide level indicator. E. H. Smith. 2,636,276, Apr. 28.
Carbine, Automatic. G. F. Grebey. 2,640,396, June 2.
Carboalkoxyethylation reactions in presence of certain anion-exchange resins. C. J. Schmidle and R. C. Mansfield. 2,658,070, Nov. 3.
Carbocyclic monocarboxylic acid salts of glyoxalidines. G. W. Luvisi. 2,659,731, Nov. 17.
Carbodiimides, Preparation of. E. Schmidt and R. Schnegg. 2,656,383, Oct. 20.
Carbomethoxybenazazide and preparation. M. F. Fuller and P. Van Fossen. 2,661,355, Dec. 1.
Carbon arc lamp operation and arc intensity control. J. J. Mascuch and J. K. Elderkin. 2,639,400, May 19.
Carbon arc welding apparatus. P. Anderson. 2,636,147, Apr. 21.
Carbon base pastes, Preparing. S. Stanko. 2,645,583, July 14.
Carbon black. G. L. Heller. 2,656,254, Oct. 20.
Carbon black and making, Pelletized. M. E. Jordan. 2,635,057, Apr. 14.
Carbon black containing substantial amounts of sulfur, Preparing. G. T. Leatherman. 2,631,107, Mar. 10.
Carbon black furnace and making carbon black. J. C. Krejci. 2,641,534, June 9.
Carbon black pelleting. R. K. Simms. 2,652,344, Sept. 15.
Carbon black process. J. C. Krejci. 2,632,713, Mar. 24.
Carbon black, Process and apparatus for making. I. Williams. 2,625,466, Jan. 13.
Carbon black, Producing. G. L. Heller. 2,659,662–3, Nov. 17.
Carbon dioxide storage. N. S. Griggs. 2,644,313, July 7.
Carbon disulfide, Manufacture of. M. M. Marisic. 2,636,810, Apr. 28.
Carbon disulfide, Preparation of. W. W. Odell, C. E. Morrell, and H. W. Scheeline. 2,663,622, Dec. 22.
Carbon disulfide, Producing. J. J. Wimberly. 2,633,409, Mar. 31.
Carbon disulfide, Production of. H. O. Folkins, E. Miller, and H. Hennig. 2,661,267, Dec. 1.
Carbon eliminator. B. Baxter. 2,630,794, Mar. 10.
Carbon feed control mechanism. L. P. Riddle and J. D. Severns. 2,625,252, Jan. 13.
Carbon-free operation of internal-combustion engines. E. Ryder. 2,638,882, May 19.
Carbon holder for arc lamps. H. L. Cronkhite. 2,641,729, June 9.
Carbon holder for continuous-form stationery. C. W. Hatfield. 2,639,018, May 19.
Carbon molded bodies, Manufacture of. C. D. Greaves and W. D. Parker. 2,637,072, May 5.
Carbon monoxide and hydrogen from hydrocarbons, Production of. H. V. Atwell. 2,632,690, Mar. 24.
Carbon monoxide copolymers and a catalytic process for their preparation. E. L. Little, Jr. 2,641,590, June 9.
Carbon monoxide eliminator. H. Cohen. 2,649,685, Aug. 25.
Carbon pack for continuous-form stationery. L. K. Fleischmann. 2,634,139, Apr. 7.
Carbon paper. W. M. Ewing. 2,626,884, Jan. 27.
Carbon paper holder. V. J. St. John. 2,629,612, Feb. 24.

Carbon paper pack for manifolding typewriters. J. C. Doyle. 2,631,868, Mar. 17.
Carbon paper pack for manifolding typewriters. J. C. Doyle. 2,664,301, Dec. 29.
Carbon paper remover. M. L. Long. 2,639,145, May 19.
Carbon pile regulator. W. G. Neild. 2,655,581, Oct. 13.
Carbon powder, Chemically active graphitic. R. H. Savage. 2,626,930, Jan. 27.
Carbon resistors, Production of. M. Tierman. 2,635,994, Apr. 21.
Carbon saver. W. F. Elsholz. 2,631,256, Mar. 10.
Carbon set form. F. J. Hauer. 2,628,110, Feb. 10.
Carbon sheet retractor mechanism. C. Schroder. 2,626,695, Jan. 27.
Carbonaceous additive for molding sand. E. H. King and J. S. Schumacher. 2,644,741, July 7.
Carbonaceous molding compositions, Manufacture of. C. D. Greaves and W. D. Parker. 2,640,787, June 2.
Carbonated beverage dispenser. E. B. Charplat. 2,660,343, Nov. 24.
Carbonator cooler. A. J. Cohen, S. Levine, M. Caminear, and S. S. Price. 2,650,808, Sept. 1.
Carbonator, Household. A. J. Nicholas. 2,647,734, Aug. 4.
Carbonization of coal. E. F. Pevere, G. B. Arnold, and H. V. Hess. 2,664,390, Dec. 29.
Carbonization of peat with the utilization of excess heat to produce surplus power. M. Steinschlaeger. 2,650,190, Aug. 25.
Carbonylation of aryl halides. H. J. Leibu. 2,640,071, May 26.
Carboxylic acid amides, Production of. W. Reppe and A. Magin. 2,648,685, Aug. 11.
Carboxylic acids and their anhydrides, Preparing. W. Reppe, W. Schweckendiek, and H. Kroeper. 2,658,075, Nov. 3.
Carboxylic ion exchange resin purification of vitamin B_{12}. W. Shive. 2,628,186, Feb. 10.
Carboxymethyl cellulose, Manufacture of. A. Hodge, J. G. N. Drewitt, and J. Downing. 2,639,281, May 19.
Carbro process. R. F. McGraw, L. Plotin, and W. G. Alexewicz. 2,626,858, Jan. 27.
Carburetor. R. Anderson and R. F. Bracke. 2,662,758, Dec. 15.
Carburetor. T. M. Ball. 2,661,196, Dec. 1
Carburetor. E. G. Bareham and W. Layland. 2,646,265, July 21.
Carburetor. W. E. Betcher. 2,626,790, Jan. 27.
Carburetor. E. M. Bimberg. 2,656,165, Oct. 20.
Carburetor. A. H. Carson. 2,632,636, Mar. 24.
Carburetor. R. A. Dittmer. 2,627,852, Feb. 10.
Carburetor. C. J. Green. 2,650,582, Sept. 1.
Carburetor. G. Griffon. 2,649,290, Aug. 18.
Carburetor. H. Morgenroth. 2,638,330, May 12.
Carburetor. E. Olson. 2,635,861, Apr. 21.
Carburetor. E. Olson. 2,635,863, Apr. 21.
Carburetor. E. Olson. 2,639,907, May 26.
Carburetor. J. T. Rauen. 2,628,085, Feb. 10.
Carburetor. R. Reistad. 2,633,341, Mar. 31.
Carburetor. E. Rivoche. 2,627,393, Feb. 3.
Carburetor. E. Rivoche. 2,630,304, Mar. 3.
Carburetor. D. Stoltman. 2,635,862, Apr. 21.
Carburetor. G. P. Tapley. 2,626,137, Jan. 20.
Carburetor. A. H. Winkler. 2,655,359, Oct. 13.
Carburetor acceleration pump. R. H. Hieger. 2,633,085, Mar. 31.
Carburetor adapter. M. F. Anderson. 2,645,570, July 14.
Carburetor and fuel-air ratio regulator, Pressure. J. A. Bascle. 2,664,279, Dec. 29.
Carburetor, Antisurge. V. C. Worden. 2,628,826, Feb. 17.
Carburetor, Automotive. E. G. Baker. 2,633,342, Mar. 31.
Carburetor choke control, Automatic. L. D. Boyce 2,646,933, July 28.
Carburetor, Concentric. M. J. Kittler. 2,661,937, Dec. 8.
Carburetor control mechanism. G. C. Fricke and D. J. Schaffer. 2,624,325, Jan. 6.
Carburetor cooling structure. M. C. Brown. 2,628,824, Feb. 17.
Carburetor de-icing means. O. Henning. 2,658,734, Nov. 10.
Carburetor economizer mechanism. R. H. Hieger. 2,627,279, Feb. 3.
Carburetor for internal-combustion engines. H. F. Borcherts. 2,655,356, Oct. 13.
Carburetor for internal-combustion engines. C. W. Gilmore. 2,644,678, July 7.
Carburetor for internal-combustion engines, Self-feeding. J. N. Morris. 2,646,264, July 21.
Carburetor for powdered fuel. S. L. Fitzpatrick. 2,637,599, May 5.
Carburetor having a density responsive fuel control. G. E. Beardsley, Jr. 2,631,024, Mar. 10.
Carburetor heat deflector. L. D. Boyce. 2,635,597, Apr. 21.
Carburetor, Injection. O. R. Cedarholm. 2,636,488, Apr. 28.
Carburetor, Injector. J. A. Steffen. 2,655,357, Oct. 13.
Carburetor, Multibarrel. G. M. Bickneli. 2,640,472, June 2.
Carburetor, Multifuel. A. J. Meyer and R. E. Davis. 2,643,647, June 30.
Carburetor supplementary fuel feed device with auxiliary fuel pump. D. E. Anderson. 2,660,417, Nov. 24.
Carburetor, Two fuel. H. A. Boller. 2,652,237, Sept. 15.
Carburetor valve regulator. W. J. Raleigh. 2,635,595, Apr. 21.
Carburetors for internal-combustion engines. C. R. B. Smith and F. H. T. Izon. 2,643,865, June 30.
Carburizing. W. E. Harbaugh. 2,658,844, Nov. 10.
Carcass protector. M. J. Geerling. 2,631,520, Mar. 17.
Carcass splitter. H. L. Davis. 2,637,354, May 5.
Card and envelope assembly, Greeting. W. C. Baynes. 2,642,182, June 16.
Card and support, Display. H. G. Hoagland. 2,663,104, Dec. 22.
Card and tray unit, Display. I. Bekoff. 2,630,914, Mar. 10.
Cardboard box. L. D. Young. 2,648,486, Aug. 11.
Card case. D. Wax. 2,634,778, Apr. 14.
Card conveyer, Advertising. C. Bustamante. 2,649,798, Aug. 25.
Card, Display. R. G. Ellis. 2,647,640, Aug. 4.
Card displaying and vending machine, Coin-controlled. P. and B. Chalfin. 2,655,242, Oct. 13.
Card feed, Flexible. L. N. Hampton and M. Salzer. 2,639,149, May 19.
Card feedbox. H. E. Holmberg. 2,626,149, Jan. 20.
Card feeding mechanism, Statistical. W. Wockenfuss and H. A. Speh. 2,632,644, Mar. 24.
Card file. P. Hollop. 2,636,496, Apr. 28.
Card file box. M. D'Heilly. 2,642,876, June 23.
Cardholder. M. Suciu. 2,652,647, Sept. 22.
Cardholder, Golf score. J. Tarris. 2,658,773, Nov. 10.
Card-holding attachment for card tables. J. S. Kamborian. 2,635,880, Apr. 21.
Card index file. L. Mayers. 2,652,833, Sept. 22.
Card overlap and adhering machine. B. E. Nelson. 2,640,695, June 2.
Card panel and transfer fixture. D. A. Gunn. 2,635,607, Apr. 21.
Card punch. L. M. Osborne and B. Stockfieth. 2,624,940, Jan. 13.
Card punch and die assembly. H. E. Hooe. 2,651,363, Sept. 8.
Card punch and verifier. W. Wockenfuss. 2,625,225, Jan. 13.
Card punch and verifier, Statistical. C. C. Leatherman and W. Wockenfuss. 2,653,665, Sept. 29.
Card punching machine. C. R. Doty. 2,654,432, Oct. 6.
Card punching machine. G. V. A. Malmros, E. A. Barber, Jr., and J. R. Engstrom. 2,627,924, Feb. 10.
Card selecting apparatus. O. W. Toepper. 2,638,098, May 12.
Card selecting mechanism. V. E. Friedewald. 2,638,215, May 12.
Card setting machine. A. H. Schaub. 2,642,099, June 16.
Card shuffler. C. G. Phelps. 2,646,988, July 28.
Card shuffler, Playing. W. E. Schioultz. 2,649,305, Aug. 18.
Card sorting device. O. J. Schommer. 2,644,459, July 7.
Card sorting machine. T. F. Meagher. 2,644,458, July 7.
Card structure. R. C. Roetger. 2,633,654, Apr. 7.
Card tray and card holder, Interlocking. R. F. Molinar. 2,624,582, Jan. 6.
Carding machine, Bobby pin. R. K. Weaver, L. M. Wingblade, and L. E. Thatcher. 2,662,596, Dec. 15.
Carding method and apparatus. A. M. Castell. 2,627,631, Feb. 10.
Cardio-pneumo-electrodermograph. R. Koller. 2,657,683, Nov. 3.
Cards for playing canasta or the like, Simplified pack of. H. A. Laycott. 2,639,922, May 26.
Cargo brace structure. G. D. Stough 2,652,004–5, Sept. 15.
Cargo bracing means. H. A. Sjogren. 2,627,821, Feb. 10.
Cargo carrier. G. Munro. 2,627,355, Feb. 3.
Cargo carrier for motor vehicles. R. C. Belgau. 2,663,472, Dec. 22.
Cargo pack, All-wing. J. K. Northrop, M. Fishbein, and D. B. Smith. 2,638,291, May 12.
Carillon, Electrically operated. H. T. van Bergen. 2,649,826, Aug 25.
Carpenter hand plane. L. C. and S. S. Lumetta. 2,651,340, Sept. 8.
Carpenter's layout tool. W. Siggson. 2,656,609, Oct. 27.
Carpet anchor. R. M. Roberts. 2,631,327, Mar. 17.
Carpet anchoring strip. J. M. and G. M. Paterson. 2,654,909, Oct. 13.
Carpet and making same. R. M. Roberts. 2,638,427, May 12.
Carpet, Backsized. E. P. Mersereau. 2,637,095, May 5.
Carpet rug binder. T. Jansund. 2,643,963, June 30.
Carpet-securing device. L. Brownstein. 2,634,453, Apr. 14.
Carpet stretching device. A. Hopkins. 2,631,403, Mar. 17.
Carpet sweeper. M. and J. de Kadt. 2,625,698, Jan. 20.
Carpet sweeper. B. R. Thiele. 2,645,798, July 21.
Carpet sweeper and controls. B. R. Thiele. 2,663,888, Dec. 29.
Carpet sweeper case. E. R. Smith. 2,635,269, Apr. 21.
Carpet sweeper casing. B. R. Thiele. 2,655,677, Oct. 20.
Carpet sweeper with brush cleaning fingers. H. C. Lilly. 2,64,2,617, June 23.
Carrel unit. A. S. MacDonald. 2,637,616, May 5.

Carriage anchorage for traverse cords in drapery fixtures. J. N. Graver. 2,644,517, July 7.
Carriage, Collapsible. L. Schon. 2,639,162, May 19.
Carriage construction for accounting and the like machines, Front-feed paper. T. M. Butler. 2,627,333, Feb. 3.
Carriage control at tabulation rebounding. H. C. Yaeger. 2,647,611, Aug. 4.
Carriage control device for bacon slicing machines. O. Garapolo. 2,642,910, June 23.
Carriage controlled totalizer control mechanism. G. K. Schulz. 2,660,369, Nov. 24.
Carriage drive power control. W. T. Sagner. 2,647,609, Aug. 4.
Carriage drive, Reciprocating. H. W. Gilbert and W. Deichmann. 2,631,457, Mar. 17.
Carriage feeding escapement mechanism. J. P. Barkdoll. 2,649,179, Aug. 18.
Carriage hood, Ventilated baby. E. H. Packman. 2,628,862, Feb. 17.
Carriage, Luggage. K. R. Costikyan. 2,650,105, Aug. 25.
Carriage mounting. M. H. Arms and P. A. Grobey. 2,631,067, Mar. 10.
Carriage moving and positioning means for accounting machines. T. M. Butler. 2,635,732, Apr. 21.
Carriage operated controlling mechanism for accounting machines. R. A. Christian, H. C. Johnson, and P. H. Williams. 2,626,750, Jan. 27.
Carriage or the like having individually rockably supported axles. H. Miklos. 2,639,925, May 26.
Carriage position control means for accumulation of products around a fixed decimal point. F. W. Pfleger. 2,645,422, July 14.
Carriage return control, Automatic. W. A. Anderson. 2,630,900, Mar. 10.
Carriage return mechanism for business machines and the like, Motor-driven. E. O. Roggenstein. 2,642,976, June 23.
Carriage shifting mechanism. N. F. Hawthorne. 2,644,639, July 7.
Carriage shifting mechanism. M. P. Matthew. 2,636,678, Apr. 28.
Carriage tabulating mechanism. J. N. Hoffman. 2,650,689, Sept. 1.
Carriage, Two-wheeled child's. J. Bell. 2,661,959, Dec. 8.
Carrier; *See*—
Adjustable lamp carrier.
Adjustable luggage carrier.
Article carrier.
Automatic self-dumping bale carrier.
Bottle carrier.
Buoy-type detector carrier.
Can carrier.
Car top boat carrier.
Cargo carrier.
Collapsible infant carrier.
Combination invalid stretcher carrier.
Container carrier.
Curtain carrier.
Curtain rod bracket carrier.
Drawbar carrier.
Fishing lure carrier.
Foldable golf bag carrier.
Foldable sign carrier.
Folding golf bag carrier.
Golf bag carrier.
Golf club carrier.
Gun carrier.
Knock down carrier.
Litter carrier.
Luggage carrier.
Machine tool carrier.
Marble carrier.
Nesting type store service carrier.
Outboard motor carrier.
Overhead log carrier.
Pack and game carrier.
Paperboard carrier.
Plumb bob carrier.
Portable feed grinder carrier.
Rail trailer carrier.
Removable luggage carrier.
Resilient bushing carrier.
Rotor carrier.
Seed carrier.
Spare tire and wheel carrier.
Spare tire carrier.
Suit hanger carrier.
Thread carrier.
Tire and wheel carrier.
Unit carrier.
Waterbag carrier.
Wheel carrier.
Carrier. M. L. Brown. 2,629,527, Feb. 24.
Carrier. G. C. Currie. 2,656,959, Oct. 27.
Carrier. J. Gialanella. 2,637,475, May 5.
Carrier. T. S. Green. 2,625,308, Jan. 13.
Carrier bar for polish rods. M. A. Cox and J. L. Shively. 2,637,528, May 5.
Carrier bracket for trucks. C. Di Vincenzo. 2,637,474, May 5.
Carrier current communication system. H. N. Kalb. 2,634,334, Apr. 7.
Carrier for automobile tops, Luggage. T. G. Hare. 2,643,040, June 23.
Carrier for bottles and the like. O. L. Vines. 2,653,750, Sept. 29.
Carrier for cartons and the like, Transporting. R. E. Lee and C. A. Benden. 2,661,879, Dec. 8.
Carrier for containers. R. J. Fallor. 2,650,128, Aug. 25.
Carrier for eyeglasses, dimmer-glasses, and the like. S. H. Lundberg. 2,639,429, May 26.
Carrier for industrial elevating trucks. F. J. Schenkelberger. 2,663,443, Dec. 22.
Carrier for invalids, Three-legged. J. B. Conyers. 2,659,092, Nov. 17.
Carrier for mobile radio equipment. E. C. Foringer. 2,636,652, Apr. 28.
Carrier for motor vehicles, Water bag. R. W. Campbell. 2,645,393, July 14.
Carrier for mounting hammer mills and the like on tractors. E. M. Wetmore. 2,659,447, Nov. 17.
Carrier for mower attachments. H. J. Bodine. 2,663,134, Dec. 22.
Carrier for plate-form building material. R. S. and W. Rau. 2,651,441, Sept. 8.
Carrier for welding outfits. E. E. Ketzel. 2,624,483, Jan. 6.
Carrier frequency stepping system for remote control. H. W. Richards. 2,627,063, Jan. 27.
Carrier insertion. J. F. Honey. 2,659,051, Nov. 10.
Carrier or driving means for workpieces in lathes and the like. S. G. Howard. 2,643,572, June 30.
Carrier rod control mechanism for knitting machines. K. G. Esche. 2,627,737, Feb. 10.
Carrier rod driving mechanism for knitting machines. G. Bitzer, H. C. Pingel, and C. R. Fegley. 2,637,183, May 5.
Carrier telegraph system. H. T. Prior. 2,657,262, Oct. 27.
Carrier telephone system and supervisory signaling arrangement therefor. E. P. G. Wright, W. F. Gould, T. F. S. Hargreaves, and W. J. Reynolds. 2,624,806, Jan. 6.
Carrier wave receiver, Dual purpose. G. Mountjoy. 2,650,265, Aug. 25.
Carrier with detachable tray, Beverage. P. A. Calzolari. 2,630,258, Mar. 3.
Carrier-free radioactive phosphorus values, Preaparation of. W. E. Cohn. 2,653,076, Sept. 22.
Carry device for electronic calculators. S. B. Williams. 2,626,752, Jan. 27.
Carrying case. J. T. Armbruster. 2,662,637, Dec. 15.
Carrying frames in accounting machines. A. G. Helgeson. 2,649,733, Aug. 25.
Cart, Collapsible. C. M. Rutledge. 2,628,108, Feb. 10.
Cart, Convertible shopping and travel. R. D. and A. E. Rollie. 2,632,653, Mar. 24.
Cart, Dump. W. J. Mueller and I. R. Smith. 2,664,310, Dec. 29.
Cart, Folding baby. N. B. Williamson. 2,659,612, Nov. 17.
Cart for baby chick batteries, Servicing. F. P. Fabel. 2,657,036, Nov. 3.
Cart for golf bags. R. K. Cassidy. 2,648,545, Aug. 11.
Cart for positioning building panels. G. C. Corley. 2,636,623, Apr. 28.
Cart, Shopper's. B. M. Walker. 2,639,163, May 19.
Cart, Two wheel hand. A. J. Wilchek. 2,662,777, Dec. 15.
Cart, Vacuum cleaner. R. K. Brown. 2,658,224, Nov. 10.
Cart, Vegetable. J. W. Orendorff. 2,651,426, Sept. 8.
Cart, Weight indicating. S. O. Walding. 2,659,591, Nov. 17.
Carton. E. V. Arranga and A. J. Malley. 2,661,891, Dec. 8.
Carton. E. W. Fehrenkamp. 2,625,315, Jan. 13.
Carton. W. P. Frankenstein. 2,628,763, Feb. 17.
Carton. W. P. Frankenstein. 2,634,044, Apr. 7.
Carton. W. P. Frankenstein. 2,640,643, June 2.
Carton. W. P. Frankenstein. 2,650,015, Aug. 25.
Carton. E. C. Goers. 2,650,751, Sept. 1.
Carton. W. H. Inman. 2,661,143, Dec. 1.
Carton. E. C. Mulnix. 2,638,262, May 12.
Carton. H. A. Pfaff. 2,652,969, Sept. 22.
Carton. L. F. Prossen. 2,642,183, June 16.
Carton. R. O. Spalding. 2,628,762, Feb. 17.
Carton. W. C. Storer and A. L. Rotruck. 2,662,638, Dec. 15.
Carton. O. L. Vines. 2,643,813, June 30.
Carton. P. Wasyluka. 2,630,962, Mar. 10.
Carton. J. A. Zinn, Jr. 2,652,186, Sept. 15.
Carton adaptable for conversion to toys. R. H. Martin. 2,636,312, Apr. 28.
Carton and box inverter. P. Bianchi and J. C. Rothwell. 2,662,653, Dec. 15.
Carton and closure therefor. G. W. Smith. 2,646,917, July 28.
Carton and detachable cover, Expansible. R. E. Paige. 2,663,487, Dec. 22.
Carton and packing cell. R. O. Spalding. 2,653,708, Sept. 29.
Carton and toy, Combination ice cream. C. S. Shank. 2,636,313, Apr. 28.
Carton, Automatic setup. K. T. Buttery. 2,659,526, Nov. 17.
Carton, Band-type display. C. M. Shanahan. 2,650,702, Sept. 1.
Carton blank. D. Levkoff. 2,664,236, Dec. 29.
Carton, Carrier. C. L. Champlin, R. C. Ellsworth, and R. J. Hickin. 2,664,235, Dec. 29.
Carton carrier and unit for use therein, Bottle. R. W. Stevenson. 2,656,947, Oct. 27.
Carton closing and printing device for cartoning machines. J. F. Currivan. 2,634,565, Apr. 14.
Carton closing machine. J. D. Brown. 2,628,466, Feb. 17.
Carton closing machine, Automatic. B. S. Harrington. 2,627,152, Feb. 3.
Carton, Collapsible. K. T. Buttery. 2,637,484, May 5.
Carton, Collapsible. W. H. Inman and R. M. Holmes. 2,655,304, Oct. 13.
Carton, Collapsible and reusable. I. Dorfman. 2,645,405, July 14.
Carton, Collapsible cellular. K. T. Buttery. 2,645,402, July 14.

Carton, Collapsible cellular. W. H. Inman. 2,634,898, Apr. 14.
Carton, Collapsible partitioned. K. T. Buttery. 2,662,683, Dec. 15.
Carton construction. R. C. Ellsworth. 2,656,092, Oct. 20.
Carton construction. R. C. Ward. 2,657,792, Nov. 3.
Carton, Corrugated. B. and I. Etra. 2,663,490, Dec. 22.
Carton cutter. P. L. Newbold. 2,632,945, Mar. 31.
Carton, Cutter box roll. E. A. Meyer. 2,633,985, Apr. 7.
Carton, Dispensing. C. H. Willis and R. Williams. 2,636,599, Apr. 28.
Carton, Display. H. V. Bolding. 2,643,811, June 30.
Carton, Display. E. J. Borucki. 2,654,470, Oct. 6.
Carton, Display. W. P. Frankenstein. 2,640,642, June 2.
Carton, Display. T. L. Hellawell. 2,630,265, Mar. 3.
Carton, Display. C. J. Langford. 2,648,427, Aug. 11.
Carton, Egg. M. M. Buger. 2,664,233–4, Dec. 29.
Carton, Egg. J. W. Cox. 2,636,661, Apr. 28.
Carton, Egg. J. W. Cox. 2,637,479, May 5.
Carton, Egg. P. K. Schilling. 2,655,305, Oct. 13.
Carton erecting mechanism. R. J. Hickin. 2,653,524, Sept. 29.
Carton feeding machine. R. Vahle. 2,642,196, June 16.
Carton filling machine. C. J. Malhiot. 2,651,442, Sept. 8.
Carton filling machine. E. A. Wahl and W. Boehl. 2,646,656, July 28.
Carton, Foldable. E. A. Kaufman. 2,634,040, Apr. 7.
Carton, Folded-blank. W. C. George. 2,652,970, Sept. 22.
Carton for baked goods and other easily broken products. R. C. Stenger. 2,645,337, July 14.
Carton for commodities and premium display. C. C. Freeman. 2,642,988, June 23.
Carton for fruits and vegetables, Display. C. Adams, Sr. 2,637,481, May 5.
Carton for protection of fragile articles, Integral. J. F. Currivan. Re. 23,670, June 23.
Carton for round-ended articles. H. Bradley. 2,643,814, June 30.
Carton for yarn packages. F. W. Paffen and E. M. Engel. 2,646,166, July 21.
Carton forming machine. G. Geffroy. 2,643,592, June 30.
Carton, Handled. J. A. McElwee. 2,659,524, Nov. 17.
Carton handling and loading apparatus. R. J. Fahey and M. Burger. 2,652,960, Sept. 22.
Carton handling apparatus. A. C. Schroeder. 2,660,844, Dec. 1.
Carton holder. M. E. Weiss. 2,648,515, Aug. 11.
Carton, Laminated. J. A. Zinn, Jr. 2,661,141, Dec. 1.
Carton, Molded pulp. L. H. Brown. 2,636,660, Apr. 28.
Carton, Molded pulp. J. W. Cox. 2,655,303, Oct. 13.
Carton, Multicell collapsible. H. V. Bolding. 2,662,682, Dec. 15.
Carton, Multiple cell. N. A. Petter. 2,639,079, May 19.
Carton opener. S. M. Jensen. 2,624,936, Jan. 13.
Carton opening, filling, and closing mechanism. R. O. Woelfer. 2,643,497. June 30.
Carton, Partitioned. W. J. Tyrseck. 2,660,361, Nov. 24.
Carton, Reclosable. R. J. Hennessey. 2,658,664, Nov. 10.
Carton, Refrigerated. G. D. Wheeler and J. H. Reilly. 2,648,954, Aug. 18.
Carton, Sanitary milk. O. Komeo. 2,643,815, June 30.
Carton setup machine. M. Burger. 2,655,081, Oct. 13.
Carton setup machine. R. J. Fahey. 2,639,648, May 26.
Carton setup machine. R. J. Fahey. 2,659,279, Nov. 17.
Carton, Shipping and display. C. G. Fulmer and D. Int-Hout. 2,654,469. Oct. 6.
Carton structure. L. J. Robins. 2,662,684, Dec. 15.
Carton structure, Multiple. E. J. Minster, Jr. and W. S. Schott. 2,632,593, Mar. 24.
Carton taping apparatus and method. C. W. Steckling. 2,643,016, June 23.
Carton transfer mechanism. T. E. Piazze. 2,625,254, Jan. 13.
Carton unloading and unit unscrambling machine. M. P. Neal. 2,648,450, Aug. 11.
Carton with cover, Paperboard. M. Goldsholl. 2,628,012, Feb. 10.
Carton with plastic lid, Frozen food. W. J. Poole. 2,638,261, May 12.
Cartoning machine. J. F. Currivan. 2,630,903, Mar. 10.
Cartoning machine. A. H. Ross. 2,662,355, Dec. 15.
Cartons and carton blanks, Making. A. J. Weiss. 2,643,589, June 30.
Cartons, Bottle carrying. J. Milchin. 2,653,749, Sept. 29.
Cartons having metal tearing edges, Producing. R. M. Bergstein. 2,628,179, Feb. 10.
Cartridge: *See*—
Air line respirator filter cartridge.
Cartridge, Blasting. K. C. Bugg. 2,650,540, Sept. 1.
Cartridge carrier for repeating shotguns. V. A. Browning. 2,626,475, Jan. 27.
Cartridge case containing propelling rocket igniting charge and rocket projectile. W. R. Nass. 2,644,364, July 7.
Cartridge case ejector for reciprocating breech block type of guns. P. R. Higson. 2,635,377, Apr. 21.
Cartridge closure assembly, Pressure resistant blasting. D. L. Coursen and F. A. Loving, Jr. 2,648,283, Aug. 11.
Cartridge, Consumable. W. H. Kintzinger. 2,632,391, Mar. 24.
Cartridge detent mechanism for self-loading firearms. H. H. Sefried, II. 2,634,536, Apr. 14.
Cartridge filling apparatus. W. A. Sherbondy. 2,652,961, Sept. 22.
Cartridge for below-surface treatment of molten metals. S. Tour. 2,624,667, Jan. 6.
Cartridge for grease guns, Collapsible refill. W. A. Bryant. 2,635,787, Apr. 21.
Cartridge for keys in knob locks, Lost motion. H. Young. 2,657,567, Nov. 3.
Cartridge, Gun perforator. C. J. McWhorter. 2,630,067, Mar. 3.
Cartridge link and feedwheel for disintegrating belts. C. E. Simpson. 2,648,258, Aug. 11.
Cartridge loading mechanism for bolt action gun. A. M. Olson. 2,630,645, Mar. 10.
Cartridge, Refill. R. de Shelly. 2,629,489, Feb. 24.
Cartridge retracting device. C. H. Stevens and K. W. Maier. 2,656,635, Oct. 27.
Cartridge, Sectional. J. W. Roske. 2,654,319, Oct. 6.
Cartridge type seal. F. A. Schick and P. Knaust. 2,639,170, May 19.
Carving machine, Internal. M. Soloff. 2,651,975, Sept. 15.
Case: *See*—
Article display case.
Atomizer case.
Belt supported battery case.
Bottle carrying case.
Bottle case.
Card case.
Carpet sweeper case.
Carrying case.
Cellular case.
Cigarette case.
Cigarette display case.
Cigarette lighter case.
Cushioned eyeglass case.
Display case.
Egg case.
Electrotyper's case.
Film shipping case.
Flower shipping case.
Fly rod and reel case.
Garment holding case.
Humidor cigar case.
Illuminated key case.
Illuminated message case.
Illuminated vanity case.
Key case.
Lipstick case.
Motion-picture film reel case.
Open-top refrigerated display case.
Pass case.
Pocket key case.
Refrigerated display case.
Refrigerated multiple shelf display case.
Roll up map case.
Rosary cross case.
Sample display case.
Sectional refrigerated display case.
Soap case.
Spectacle case.
Stitched case.
Tie case.
Toilet case.
Toothbrush case.
Travel case.
Utility and spectacle case.
Utility case.
Utility sick-call case.
Vanity case.
Case. I. Hill and G. L. Miller. 2,663,491, Dec. 22.
Case. J. P. Reis. 2,642,913, June 23.
Case and bottom frame therefor, Milk bottle. J. F. Maurer. 2,643,018, June 23.
Case and filing unit, Protective. M. E. Landau. 2,660,965, Dec. 1.
Case and key therefor, Key. H. N. Olsen. 2,645,113, July 14.
Case and tray structure, Combined. G. Strocco. 2,631,079, Mar. 10.
Case and trunk construction. M. H. Sherman. 2,626,025, Jan. 20.
Case filling machine. A. C. Davis. 2,656,081, Oct. 20.
Case filling machine, Automatic. G. J. Okulitch and I. V. Zozulin. 2,643,043, June 23.
Case for a package of cigarettes. J. F. Babbitt. 2,649,194, Aug. 18.
Case for condition indicating device. T. G. Haney. 2,627,312, Feb. 3.
Case for fishing rods, Carrying. J. Sabatino. 2,640,622, June 2.
Case for paper currency, Pocket. O. Weydener and W. H. St. Thomas. 2,658,545, Nov. 10.
Case for portable sewing machines, Carrying. C. Gaiser. 2,664,333, Dec. 29.
Case for protecting snelled fishing hooks. O. M. Beaver. 2,657,497, Nov. 3.
Case for shoes, Traveling display. H. C. Mayers. 2,634,835, Apr. 14.
Case for timepieces and the like. L. R. Burghoff. 2,660,857, Dec. 1.
Case loader and sealer. J. L. Ferguson and R. C. Talbot. 2,648,182, Aug. 11.
Case loading method and apparatus, Automatic. J. L. Ferguson and R. C. Talbot. 2,649,231, Aug. 18.
Casemaker. P. Bunch, P. Mittomme, and R. Jennings. 2,656,551, Oct. 27.
Case shift mechanism for typewriting machines. L. B. Hill. 2,631,713, Mar. 17.
Case shifting attachment for typewriters, Automatic. D. K. Johnston. 2,633,965, Apr. 7.
Case with collapsible display rack, Portable sample. J. J. Hellman. 2,639,793, May 26.
Case with mirror thereon, Lipstick. M. P. Girard. 2,650,597, Sept. 1.
Casing and sealing means for horns or the like. T. G. Moulding. 2,640,981, June 2.
Casing and vaporproof enclosure for sound transducers, Vented. R. W. Carlisle. 2,638,508, May 12.
Casing centralizer. R. C. Baker. 2,640,544, June 2.
Casing centralizer, Rib type. L. Kluck. 2,636,564, Apr. 28.

Casing collar for cementing wells. F. H. Lee. 2,644,526, July 7.
Casing cutter for side windows, Oil well. E. L. Condra. 2,638,322, May 12.
Casing for an electrical clock movement having a cord storage compartment. E. L. Berninger and D. L. Richards. 2,644,853, July 7.
Casing for dry wall construction, Metal. W. R. Dordel. 2,663,390, Dec. 22.
Casing for planing machines, Air circulating. J. S. Ballantine. 2,630,846, Mar. 10.
Casing for toilet seats, Replacement. L. Schmidt. 2,655,666, Oct. 20.
Casing machine. A. R. Silva. 2,646,197, July 21.
Casing perforator. R. J. Klaasen and E. M. Olsen. 2,638,801, May 19.
Casing protector. J. F. Medearis. 2,636,787, Apr. 28.
Casing repair tool. D. W. Osmun. 2,659,440, Nov. 17.
Casing scraper. B. M. Scivally. 2,627,925, Feb. 10.
Casein-lactic-acid composition. J. G. Kennedy and F. W. Bernhart. 2,639,235, May 19.
Casement blind. R. C. Pratt. 2,631,339, Mar. 17.
Cashbox, Subdivided. W. H. Whitcomb. 2,642,985, June 23.
Cash drawer mechanism. F. R. Werner. 2,649,246, Aug. 18.
Cash register. G. Nelson. 2,625,323, Jan. 13.
Cash register indicating system. M. Stern and R. A. Alexander. 2,629,863, Feb. 24.
Casket, Burial. C. W. Glassner. 2,655,712, Oct. 20.
Casket, Burial. S. Richmond. 2,625,731, Jan. 20.
Casket display and storage apparatus. B. Magid. 2,627,353, Feb. 3.
Cast iron. H. W. G. Hignett. 2,652,324, Sept. 15.
Cast iron, Producing. L. C. Crome. 2,662,820, Dec. 15.
Cast iron, Production of. H. Morrogh. 2,661,281, Dec. 1.
Cast rotor. F. S. Korski. 2,657,324, Oct. 27.
Caster. P. D. Becker. 2,654,113, Oct. 6.
Caster. R. A. Cramer. 2,659,100, Nov. 17.
Caster. M. Kramcsak, Jr. 2,631,328, Mar. 17.
Caster glide. M. Kramcsak, Jr. 2,641,016, June 9.
Caster having a swivel lock. E. W. Milhizer. 2,654,112, Oct. 6.
Caster mounting for aircraft landing wheels, Self-centering. J. S. Steuby. 2,626,116, Jan. 20.
Caster of the disappearing type. J. D. McKean. 2,631,329, Mar. 17.
Caster wheel lock. C. R. Baughman. 2,660,940, Dec. 1.
Casting apparatus. R. P. Davis. 2,660,770, Dec. 1.
Casting apparatus, Centrifugal. R. C. Myers. 2,657,440, Nov. 3.
Casting device, Centrifugal. A. J. Kemppe. 2,637,079, May 5.
Casting ejector. H. V. Kruse. 2,653,371, Sept. 29.
Casting expanded plastics. W. A. Miller. 2,649,620, Aug. 25.
Casting form. L. L. Peterson. 2,630,614, Mar. 10.
Casting machine, Centrifugal. J. Frei, Jr. 2,636,232, Apr. 28.
Casting machine, Centrifugal. G. A. Rubissow. 2,638,646, May 19.
Casting machine, Continuous. J. L. Hunter. 2,631,343, Mar. 17.
Casting machine, Pottery. P. I. Robinson. 2,642,644, June 23.
Casting machine, Slug. J. F. Krusberger. 2,642,180, June 16.
Casting machine, Typographical. W. B. Abbott. 2,663,409, Dec. 22.
Casting metal ingots. H. E. Kennedy. 2,631,344, Mar. 17.
Casting of metals, Continuous or semicontinuous. R. Chadwick and J. F. Hobbs. 2,651,821, Sept. 15.
Casting reel. D. B. Ferguson. 2,652,990, Sept. 22.
Casting reel. A. E. Keates. 2,656,992, Oct. 27.
Casting reel. W. H. Morgan and J. P. Etcheverry. 2,633,307, Mar. 31.
Casting rod. C. E. Henry. 2,662,329, Dec. 15.
Casting wheel. R. E. Ryan and W. J. McNamara. 2,629,151, Feb. 24.
Catalase from mold, Production of. D. L. Baker. 2,635,069, Apr. 14.
Catalog binder. S. Segal. 2,627,272, Feb. 3.
Catalyst activator for diolefin polymerization. H. L. Williams and J. M. Mitchell. 2,631,142, Mar. 10.
Catalyst and method for selective oxidation. W. R. Middleton. 2,662,921, Dec. 15.
Catalyst and preparing same. J. F. Eberle. 2,656,322, Oct. 20.
Catalyst chamber collector system. A. R. Rehrig. 2,664,347, Dec. 29.
Catalyst classification in a moving bed catalyst conversion process for hydrocarbons, Process and apparatus for. L. F. Strader. 2,664,387, Dec. 29.
Catalyst composition. D. C. Cristain and R. M. Reed. 2,662,063, Dec. 8.
Catalyst for packed catalytic reactor, Shaped. H. O. Mottern and W. N. Philo. 2,644,800, July 7.
Catalyst for producing aromatic hydrocarbons. J. A. Dinwiddie and C. J. G. Leesemann. 2,632,739, Mar. 24.
Catalyst for the hydrogenation of carbon monoxide. W. Rottig. 2,647,138, July 28.
Catalyst level indicator. E. V. Bergstrom. 2,647,405, Aug. 4.
Catalyst preparation. R. Rowan, Jr. 2,638,454, May 12.
Catalyst recovery. M. M. Cardwell, O. C. Roddey, and C. W. Tyson. 2,663,676, Dec. 22.
Catalyst recovery. H. E. Laurey. 2,642,401, June 16.
Catalyst regenerator. G. F. Kuhn. 2,628,157, Feb. 10.
Catalyst separation. W. P. Cropper and G. E. Schmitkons. 2,635,749, Apr. 21.
Catalyst stripping vessel. M. J. Wilcox and E. F. Schade. 2,628,158, Feb. 10.
Catalysts for the hardening of artificial resins and their use in the textile industry. G. Sulzer. 2,653,921, Sept. 29.
Catalysts, Preparation of. P. W. Reynolds and A. A. L. Challis. 2,650,204, Aug. 25.
Catalytic addition of cyanogen halides to olefins. F. M. Cowen and J. K. Dixon. 2,653,963, Sept. 29.
Catalytic alkylation of isoparaffins with olefins. R. M. Kennedy and C. K. Donnell. 2,653,982, Sept. 29.
Catalytic alkylbenzene synthesis. M. Erchak, Jr. 2,660,610, Nov. 24.
Catalytic apparatus and treating exhaust gases. E. J. Houdry. 2,664,340, Dec. 29.
Catalytic conversion apparatus. J. S. Palmer. 2,631,090, Mar. 10.
Catalytic conversion of carbon monoxide and hydrogen to hydrocarbons, oxygenated hydrocarbons, and the like. F. W. Sullivan, Jr. 2,626,275, Jan. 20.
Catalytic conversion of gaseous reactants. F. D. Hoffert. 2,660,598, Nov. 24.
Catalytic conversion of hydrocarbons. J. C. Dart. 2,658,859, Nov. 10.
Catalytic conversion of hydrocarbons. J. W. Moorman and L. J. Kelly. 2,662,050, Dec. 8.
Catalytic conversion of shale oil hydrocarbons. L. Berg. 2,635,987, Apr. 21.
Catalytic cracking apparatus. R. E. Howe and W. S. Gullette. 2,631,928, Mar. 17.
Catalytic cracking of dewaxed petroleum hydrocarbons. J. N. Haresnape and E. C. Housam. 2,650,189, Aug. 25.
Catalytic cracking of hydrocarbons in the presence of added gaseous olefins. C. N. Kimberlin, Jr., and E. M. Gladrow. 2,626,233, Jan. 20.
Catalytic cracking of petroleum hydrocarbons with a clay treated catalyst. J. N. Haresnape and F. W. B. Porter. 2,647,075–6, July 28.
Catalytic decomposition of hydrocarbons. J. H. Shapleigh. 2,639,223, May 19.
Catalytic decompositions of formic acid in acetic acid mixtures with other organic compounds. J. S. MacKenzie and O. H. Axtell, Jr. 2,656,379, Oct. 20.
Catalytic dehydrogenation of alcohols to carbonyl compounds. A. F. MacLean. 2,634,295, Apr. 7.
Catalytic dehydrogenation of secondary alcohols to ketones. H. O. Mottern. 2,633,475, Mar. 31.
Catalytic desulfurization of gases. E. B. Miller. 2,630,375, Mar. 3.
Catalytic desulfurization of petroleum hydrocarbons. F. W. B. Porter and R. P. Northcott. 2,640,802, June 2.
Catalytic desulfurization of petroleum hydrocarbons. F. W. B. Porter and R. P. Northcott. 2,648,623, Aug. 11.
Catalytic desulfurization of petroleum hydrocarbons. F. W. B. Porter and J. N. Haresnape. 2,656,302, Oct. 20.
Catalytic distillation of shale. R. W. Krebs. 2,627,499, Feb. 3.
Catalytic esterification process. A. C. Zettlemoyer, W. C. Walker and W. L. Stump. 2,644,839, July 7.
Catalytic fume incineration. H. R. Suter and R. J. Ruff. 2,658,742, Nov. 10.
Catalytic hardening of phenol-formaldehyde resins and compositions comprising same. L. F. Sonnabend and A. M. Edmunds. 2,655,490, Oct. 13.
Catalytic heater. D. M. Stadd and R. P. Schreiber. 2,627,306, Feb. 3.
Catalytic hydration of olefins. S. J. Lukasiewicz, W. I. Denton, and C. J. Plank. 2,658,924, Nov. 10.
Catalytic hydration of olefins. S. J. Lukasiewicz and W. I. Denton. 2,663,744, Dec. 22.
Catalytic hydrogenation of carbon monoxide. W. Rottig. 2,660,599, Nov. 24.
Catalytic hydrogenation of carbon monoxide to orientable, essentially hydrocarbon polymers. M. W. Farlow and E. C. Herrick. 2,652,372, Sept. 15.
Catalytic hydrogenation of nitriles. G. F. Hager. 2,644,842, July 7.
Catalytic method and apparatus. W. F. Rollman. 2,633,477, Mar. 31.
Catalytic polymerization of anhydro-N-carboxy alpha-amino acids. D. Coleman. 2,636,877. Apr. 28.
Catalytic polymerization process. G. F. D'Alelio. 2,656,334, Oct. 20.
Catalytic polymerization process. G. F. D'Alelio. 2,656,341. Oct. 20.
Catalytic process. P. W. Cornell. 2,664,339, Dec. 29.
Catalytic process and apparatus. Z. D. Bonner. 2,635,989. Apr. 21.
Catalytic reaction apparatus. H. F. Peters. Re. 23,638, Mar. 24.
Catalytic reactor. J. McAfee. 2,639,224, May 19.
Catalytic reactor. J. F. Rollins. 2,657,121, Oct. 27.
Catalytic reduction of nitroolefins. J. B. Tindall. 2,647,930, Aug. 4.

Catalytic reforming of hydrocarbons. C. V. Berger and V. Haensel. 2,642,383, June 16.
Catalytic reforming of hydrocarbons. C. V. Berger and V. Haensel. 2,642,385, June 16.
Catalytic reforming of hydrocarbons in two stages utilizing a platinum-alumina-halogen catalyst composite. V. Haensel and C. G. Gerhold. 2,659,692, Nov. 17.
Catalytic reforming process. L. H. Beckberger and R. C. Woerner. 2,661,320, Dec. 1.
Catalytic reforming process. V. Haensel. 2,629,683, Feb. 24.
Catalytic reforming process and catalyst therefor. V. Haensel and C. F. Gerald. 2,625,504, Jan. 13.
Catalytic synthesis of alcohols. J. K. Mertzweiller and P. T. Parker. 2,641,613, June 9.
Catalytic synthesis of hydrocarbons. D. Eastman and L. P. Gaucher. 2,632,017, Mar. 17.
Catalytic synthesis of hydrocarbons and oxygenated organic compounds. E. E. Sensel. 2,651,652, Sept. 8.
Catalytic synthesis of organic compounds. T. B. Hudson. 2,664,433, Dec. 29.
Catalytically cracking hydrocarbons. E. J. Houdry. 2,634,232, Apr. 7.
Catalyzed and continuous addition chlorination of benzene. E. C. Britton, F. N. Alquist, and K. C. Kauer. 2,628,260, Feb. 10.
Catalyzed reactions between hydrogen sulfide or dimercaptans and dialkenyl ethers or polyalkenyl amines. W. E. Vaughan and D. Harman. 2,657,238, Oct. 27.
Catamenial device. W. V. Lay. 2,652,056, Sept. 15.
Catapult with improved fork and sling. A. B. Casey. 2,661,731, Dec. 8.
Catch for necklaces. I. Kamens and A. Weinstock. 2,629,156, Feb. 24.
Catch for necklaces and the like, Separable. R. C. Bangs. 2,650,398, Sept. 1.
Catch for timekeepers, particularly for clocks, Pendulum. O. Braitsch and A. Haas. 2,631,424, Mar. 17.
Catch for vertically sliding doors, Safety. C. C. Moler. 2,651,817, Sept. 15.
Catch, Inclosed spring-loaded. C. Celeste. 2,635,910, Apr. 21.
Catcher for ironing boards, Clothes. K. M. McCann. 2,639,522, May 26.
Catheter. F. J. Wallace. 2,624,341, Jan. 6.
Catheter. F. J. Wallace. 2,649,092, Aug. 18.
Cathode insulator. E. Pohle. 2,641,727, June 9.
Cathode for electric discharge devices, Thermionic. D. A. Wright. 2,654,045, Sept. 29.
Cathode for photocells. J. J. Benes, Jr. 2,627,044, Jan. 27.
Cathode mounts, Manufacturing. J. M. Coughlin. 2,626,637, Jan. 27.
Cathode-ray centering. H. R. Shaw and M. J. Obert. 2,646,522, July 21.
Cathode-ray decoder for pulse code modulation. W. R. Bennett. 2,664,504, Dec. 29.
Cathode-ray deflection circuit. H. W. Babcock. 2,653,274, Sept. 22.
Cathode-ray oscillator tube. G. C. Szikiai. 2,638,561, May 12.
Cathode-ray system. E. N. Muller. 2,630,548, Mar. 3.
Cathode-ray translating system for permutation codes. W. T. Ren. 2,654,878, Oct. 6.
Cathode-ray tube. J. M. Cage. 2,630,543, Mar. 3.
Cathode-ray tube. A. W. Friend. 2,634,380, Apr. 7.
Cathode-ray tube. H. W. Kohler. 2,627,587, Feb. 3.
Cathode-ray tube sealing process. A. L. Buttino and H. R. Patterson. 2,639,555, May 26.
Cathode-ray tube support. M. F. De Boy. 2,663,011, Dec. 15.
Cathode-ray tube sweep circuit. J. F. Koehler. 2,637,026, Apr. 28.
Cathode-ray tube sweep circuit. V. C. Wilson. 2,646,565, July 21.
Cathode-ray tube system utilizing indexing signals. W. E. Bradley. 2,644,855, July 7.
Cathode structure, Directly heated. B. D. Kumpfer. 2,653,268, Sept. 22.
Cathode structure for electron-discharge devices. R. Adler. 2,650,999, Sept. 1.
Cathodically descaling and electrode therefor. G. C. Cox. 2,643,222, June 23.
Cation exchange material having high mechanical strength. M. L. Nielsen. 2,661,337, Dec. 1.
Cattle grub remover and insecticide applicator. C. N. Peterson. 2,632,063, Mar. 17.
Cattle leader. C. J. Spencer. 2,653,574, Sept. 29.
Caulking cartridge. L. C. Jones and G. H. Shirley. 2,646,906, July 28.
Caulking compound tube. D. J. Burch. 2,649,999, Aug. 25.
Caulking gun with attaching means for replaceable cartop. D. N. Slobin. 2,629,517, Feb. 24.
Caustic soda granules, Manufacture of. F. M. Joscelyne. 2,635,684, Apr.21.
Cavity and hypo injector for embalmers. G. A. Blue. 2,636,247, Apr. 28.
Cavity molding with dielectric preheat, Automatic multiple. J. H. Green and W. Makenny. 2,639,465, May 26.
Cavity resonator high-frequency electron discharge device. A. M. Gurewitsch. 2,634,383, Apr. 7.
Cavity resonator magnetron. O. A. Lardelli. 2,648,799, Aug. 11.
Cavity resonator atructure and tube employing the same. P. L. Spencer. 2,626,372, Jan. 20.
Cavity tuner. L. W. Schreiner. 2,638,544, May 12.
Ceiling, Combination luminous and acoustical. H. L. Beckwith. 2,659,808, Nov. 17.
Ceiling, Combination luminous and acoustical. G. P. Wakefield. 2,659,807, Nov. 17.
Ceiling construction. V. Jacobson. 2,648,102, Aug. 11.
Ceiling construction. V. E. Peterson. 2,639,011, May 19.
Cell. G. A. F. Winckler and O. K. Reinhardt. 2,641,624, June 9.
Cell case partition assembling machine. G. G. Porter. 2,662,453, Dec. 15.
Cell construction. J. E. Creech. 2,626,686, Jan. 27.
Cell diaphragm position indicator. A. R. Lee. 2,659,151, Nov. 17.
Cell, Dry. M. Lang. 2,649,491, Aug. 18.
Cell for electrical measurement of liquid dielectrics. C. C. Petersen. 2,654,862, Oct. 6.
Cell, Voltaic. A. Linton and R. W. Lewis. 2,649,492, Aug. 18.
Cellar window hook. J. F. Oblazney. 2,655,396, Oct. 13.
Cellular case. P. A. Schilling, T. G. Mairs, and J. B. Baird. 2,647,679, Aug. 4.
Cellular concrete blocks, Production of. P. E. Starnes. 2,635,052, Apr. 14.
Cellular expanded thermoset resins. R. F. Sterling. 2,629,698, Feb. 24.
Cellular plastics containing saturated and unsaturated polyester resins. E. Simon and F. W. Thomas. 2,642,403, June 16.
Cellular plastics having foam stabilizing additives. E. Simon and F. W. Thomas. 2,634,244, Apr. 7.
Cellular rubber, Cold resistant. W. U. Hohwieler. 2,640,858, June 2.
Cellulose acetal derivatives, Preparing. J. W. Mench and M. S. Lounsbery. 2,639,280, May 19.
Cellulose acetate with sulfoacetic pretreatment, Manufacture of. C. J. Malm and L. W. Blanchard, Jr. 2,646,429, July 21.
Cellulose ester composition, Stabilized. W. M. Gearhart and R. W. Pugh. 2,635,967, Apr. 21.
Cellulose ester compositions, Stabilized. J. K. Craver. 2,640,785, June 2.
Cellulose ester lithographic printing plates, Dimensionally stable. G. F. Nadeau and C. B. Starck. 2,635,962, Apr. 21.
Cellulose esters. B. B. White and E. Barabash. 2,651,629, Sept. 8.
Cellulose ether composition. N. B. Oakley. 2,653,108, Sept. 22.
Cellulose ethers, Manufacture of. W. M. Branan, L. A. Burrows, and B. H. Mackey. 2,636,879, Apr. 28.
Cellulose ethers, Manufacture of. J. Downing and J. G. N. Drewitt. 2,644,818, July 7.
Cellulose lower alkanoates, Stabilized. G. D. Hiatt and R. F. Williams. 2,652,340, Sept. 15.
Cellulose, Manufacture of. F. R. Charles and J. A. Dixon. 2,664,360, Dec. 29.
Cellulose mass and product, Producing. D. V. Redfern. 2,631,097, Mar. 10.
Cellulose nitration, Continuous. W. C. Ramsey. 2,649,441, Aug. 18.
Cellulose, Production of. J. E. Jones and R. R. Stott. 2,638,415, May 12.
Cellulose propionate gel lacquer composition and method of applying. R. E. Porzer and A. P. Baruch. 2,652,346, Sept. 15.
Cellulose pulp, Production of. J. H. Ross, J. S. Hart, R. K. Strapp, and O. Maass. 2,640,774, June 2.
Cellulose triesters, Production of. G. J. Cave, H. Hampson, and J. P. Stoneman. 2,635,098, Apr. 14.
Cellulose triesters, Production of. J. P. Stoneman. 2,635,097, Apr. 14.
Cellulose xanthogenate compositions, Production of. N. Drisch. 2,643,999, June 30.
Cement applicator. F. Slusher. 2,636,214, Apr. 28.
Cement applying apparatus. R. M. Doull and M. Radonich. 2,644,725, July 7.
Cement applying mechanism for shoe machines. B. Jorgensen. 2,633,099, Mar. 31.
Cement, Basing. R. F. Hardwick. 2,633,457, Mar. 31.
Cement composition with additive to reduce water loss from a slurry thereof. M. J. Boris and N. C. Ludwig. 2,648,645, Aug. 11.
Cement cooler. M. Lintz. 2,641,849, June 16.
Cement finishing knee board. T. D. Emmett. 2,627,301, Feb. 3.
Cement manufacture. F. D. De Vaney. 2,627,399, Feb. 3.
Cement mixer. L. T. Davies. 2,664,277, Dec. 29.
Cement tamping machine. C. H. Clement. 2,633,782, Apr. 7.
Cementing apparatus, Side ported. R. C. and J. R. Baker. 2,633,916, Apr. 7.
Cementing apparatus, Well. F. H. Lee. 2,644,525, July 7.
Cementing apparatus, Well. S. B. Schnitter. 2,664,163, Dec. 29.
Cementing casings in oil wells. W. K. Williams and M. E. Krogh. 2,649,160, Aug. 18.

Cementing collar, Side ported well casing. F. H. Lee. 2,631,000, Mar. 10.
Cementing device. H. F. Clark. 2,633,201, Mar. 31.
Cementing machine for flexible material having a worktable and extended guide rolls. W. P. Osgood. 2,652,022, Sept. 15.
Cementing machine for thin flexible sheet material. W. P. Osgood. 2,664,068, Dec. 29.
Cementing wells, Means for. S. B. Schnitter. 2,659,438, Nov. 17.
Cementing wells, Method of and apparatus for. C. C. Brown. 2,630,179, Mar. 3.
Cementitious bodies, Producing. J. J. Creskoff. 2,638,655, May 19.
Cementitious compositions. W. C. Riddell and G. B. Kirk. 2,662,024, Dec. 8.
Center core seal for filter elements. K. Ahlijian. 2,654,483, Oct. 6.
Center drilling fixture. J. W. Sponsler. 2,645,951, July 21.
Center extension serving table. L. Stickley. 2,628,143, Feb. 10.
Center filling and bracing of carloads. H. C. Pierce. 2,657, 44, Nov. 3.
Center finder. R. N. Baugh. 2,649,783, Aug. 25.
Center scroll bearing. H. M. Hunter and C. C. Bryant. 2,641,356, June 9.
Center spring mounting. W. E. Martin. 2,650,818, Sept. 1.
Centering and well cleaning tool. K. A. Wright. 2,628,682, Feb. 17.
Centering apparatus for bowling pin holders. J. J. McGinley. 2,660,433, Nov. 24.
Centering attachment for mortising machines. W. H. Jones. 2,629,411, Feb. 24.
Centering device. W. E. Frisk. 2,644,241, July 7.
Centering device. G A. Kwasniewski. 2,625,050, Jan. 13.
Centering device for well casings. R. C. Baker. 2,659,439, Nov. 17.
Centering gauge. N. T. Mosca. 2,632,255, Mar. 24.
Centralizer. H. A. Gillerstrom. 2,661,189, Dec. 1.
Centrifugal air cleaner for internal-combustion engines. H. F. Reimann. 2,626,013, Jan. 20.
Centrifugal air separator for removal and classification of particles. W. R. Carter. 2,633,930, Apr. 7.
Centrifugal and one-way clutch. L. H. Scott. 2,663,397, Dec. 22.
Centrifugal and spring engaged clutch. L. D. Thostenson. 2,633,956, Apr. 7.
Centrifugal apparatus discharger. J. Hertrich. 2,628,719, Feb. 17.
Centrifugal apparatus for mixing gases and liquids. F. J. J. J. Henrard. 2,657,025, Oct. 27.
Centrifugal apparatus for separating gases from liquids. A. Cresswell. 2,648,496, Aug. 11.
Centrifugal casting of metal parts. C. Cito. 2,663,921, Dec. 29.
Centrifugal clutch. A. M. Wickwire and R. M. Kessel. 2,650,685, Sept. 1.
Centrifugal compressor rotor vibration damper. W. L. Gorton. 2,664,240, Dec. 29.
Centrifugal control mechanism. A. Andrews. 2,653,458, Sept. 29.
Centrifugal countercurrent exchange device. N. J. Angelo. 2,652,975, Sept. 22.
Centrifugal deaeration, Process and apparatus for. F. H. Smith. 2,634,907, Apr. 14.
Centrifugal device. W. D. Harrison. 2,657,920, Nov. 3.
Centrifugal device. R. J. Hartz. 2,663,771, Dec. 22.
Centrifugal drier. W. H. Nobles. 2,658,619, Nov. 10.
Centrifugal dust and cinder collector. F. J. Dohrer. 2,642,152, June 16.
Centrifugal filtration. A. H. Schutte. 2,657,803, Nov. 3.
Centrifugal gas cleaner. R. C. Baird. 2,659,451, Nov. 17.
Centrifugal machine. G. W. Tompkin. 2,642,997, June 23.
Centrifugal machine. W. E. Trumpler. 2,633,291, Mar. 31.
Centrifugal machine for the recovery of liquid out of raw vegetable food. N. W. Berglind. 2,660,211, Nov. 24.
Centrifugal means for a high tension distributor arm. F. W. Hartman, Jr. 2,657,035, Oct. 27.
Centrifugal method for the wet spinning of natural fibers and apparatus for carrying out this method. A. Bolelli. 2,647,358, Aug. 4.
Centrifugal milling and insect destroying machine with rotary impeller and annular target. F. S. Smith. 2,656,988, Oct. 27.
Centrifugal pump. C. J. Bergh. 2,642,004, June 16.
Centrifugal pump. C. J. Bergh. 2,651,998, Sept. 15.
Centrifugal pump. T. J. R. Dibdin. 2,649,050, Aug. 18.
Centrifugal pump. E. J. Frey. 2,646,002, July 21.
Centrifugal pump. E. G. Landberg. 2,660,122, Nov. 24.
Centrifugal pump. J. M. Roth. 2,636,442, Apr. 28.
Centrifugal pump. G. H. Schaffer. 2,659,311, Nov. 17.
Centrifugal pump. C. A. Schellens. 2,661,698, Dec. 8.
Centrifugal pump. A. Wahle. 2,659,312, Nov. 17.
Centrifugal pump bearing seal. E. R. Willey. 2,660,487, Nov. 24.
Centrifugal pump drive and seal means. W. M. Howser. 2,625,883, Jan. 20.
Centrifugal reverberatory furnace. F. C. Ramsing. 2,630,309, Mar. 3.
Centrifugal rinsing device. W. G. Landwier. Nov. 24.
Centrifugal separation, Method and apparatus Ramqvist. 2,633,294, Mar. 31.
Centrifugal separation of urea complexes fr mixtures. G. B. Arnold and L. Kovach. Nov. 3.
Centrifugal separation of yeast cells from b Hanno. 2,631,777, Mar. 17.
Centrifugal separator. S. L. Abbott. 2,630,2
Centrifugal separator. B. G. Cox and T. Evans. July 21.
Centrifugal separator. H. R. Drury. 2,647,6
Centrifugal separator. E. L. Ranseen. 2,62 27.
Centrifugal servo clutch. H. B. Lewis and H 2,626,033, Jan. 20.
Centrifugal switch. F. Heinzmann. 2,640,1
Centrifugal tester. A. H. Bolleau. 2,628,773
Centrifugally balanced fluid clutch. C. 2,652,913, Sept. 22.
Centrifugally engaged clutch. A. W. Wagner. Dec. 22.
Centrifugally mixing substances and apparat J. C. Monk and P. F. Sharp. 2,631,101, Ma
Centrifugally operated torque limiting clut Smith. 2,647,603, Aug. 4.
Centrifugally operated valve. T. R. Smith. Mar. 10.
Centrifuge. S. L. Abbott. 2,626,746, Jan. 27.
Centrifuge. W. G. Abbott, Jr. 2,661,150, D
Centrifuge. F. H. Fletcher, Jr. 2,626,745, J
Centrifuge. G. L. McCargar. 2,625,269, J
Centrifuge. G. and K. van der Mark. 2,651,
Centrifuge for cleaning liquids. H. W. Fulton, and D. More. 2,650,022, Aug. 25.
Centrifuge for rapid extraction of fine pa suspensions. S. C. Lyons. 2,625,320, Jan
Centrifuge with auxiliary feed arrangement. 2,628,021, Feb. 10.
Centrifuging massecuite. S. T. Hoyt. 2,643,9
Ceramic articles, Making. S. S. Kistler. 2,6 24.
Ceramic bodies. W. W. Coffeen. 2,624,709,
Ceramic bodies for plastic forming, Preparatio Greger. 2,652,338, Sept. 15.
Ceramic composition. H. C. Dunegan. 2,6 17.
Ceramic compositions, Self-glazing. P 2,662,826, Dec. 15.
Ceramic electron tube. H. E. Sorg, H. H. D. F. Drieschman. 2,647,218, July 28.
Ceramic kiln, Sectionally composite. S. 2,624,930, Jan. 13.
Ceramic parts, Making. H. Scharf. 2,643,4
Ceramic petal cutting means. R. E. Gentry Oct. 20.
Ceramic pigment and manufacture of same. can. 2,644,767, July 7.
Ceramic transducer element. G. N. Howatt May 26.
Cereal and making same, Quick-cooking. C and J. E. Allison. 2,653,099, Sept. 22.
Cerium base alloy. H. Kent. 2,642,358, Jun
Cerium esterification catalyst. L. A. Auspe Dempster. 2,643,989, June 30.
Cerium-iron-alloy flints, Manufacture of. W 2,660,301, Nov. 24.
Certain amino alcohols and ketones. F. Schöpf. 2,661,373, Dec. 1.
Certain oxyalkylated derivatives of fusible De Groote and B. Keiser. 2,629,704–6, Feb
Cervical traction frame. E. F. Schmerl. 2,6 25.
Chaff and straw receiver and cocker. A. 2,624,482, Jan. 6.
Chaff separator and furnace. G. W. Hardy May 26.
Chaffer attachment. D. C. Peters. 2,661
Chain: *See*—

Antiskid cross chain.	Power transm
Antiskid tire chain.	Quickly-demou
Conveyer chain.	Roller drive c
Cutter chain.	Saw chain.
Cutting saw chain.	Silent chain.
Demountable chain.	Skid chain.
Disintegrating and conveying chain.	Spring bushe
Dobby chain.	Tire chain.
Flat top conveyer chain.	Traction cha
Metal strap tire chain.	Universal li chain.
Motor vehicle wheel traction chain.	

Chain and chain tightener, Tire. M. W. Pik May 26.
Chain and coupling, Traction. C. J. Mann Devonshire. 2,663,347, Dec. 22.
Chain and means of making same, Endless. 2,652,142, Sept. 15.
Chain attachment, Antiskid. E. Eger. 2,664
Chain barker, Short wood. H. W. Guettle Aug. 4.

Chain-block connection. F. Lock. 2,630,610, Mar. 10.
Chain clip. T. M. Cruce. 2,652,610, Sept. 22.
Chain device, Tire. R. E. Jackson. 2,657,728, Nov. 3.
Chain drive for loom shedding mechanism. W. A. Blanchard. 2,640,504, June 2.
Chain guide for disintegrating apparatus. L. G. Rollins. 2,655,362, Oct. 13.
Chain link. V. J. David. 2,645,133, July 14.
Chain link. C. E. Sennholtz. 2,650,470, Sept. 1.
Chain machine. M. H. Lange. 2,639,755, May 26.
Chainmaking apparatus. R. L. Cooke. 2,637,159, May 5.
Chain-mortising square hole cutting attachment for drill presses. A. Francescatti and R. Micek. 2,645,255, July 14.
Chain of bags. C. W. Vogt. 2,653,751, Sept. 29.
Chain pipe cover and seal. F. J. Griffith. 2,652,018, Sept. 15.
Chain saw and oiling system therefor, Engine driven. E. C. Klekhaefer. 2,650,626, Sept. 1.
Chain saw jig. R. M. Parr. 2,627,191, Feb. 3.
Chain saw link. E. T. Dunnington. 2,642,102, June 16.
Chain slide. E. Morehouse. 2,637,884, May 12.
Chain stop, Electric fixture pull. J. Legere and E. M. Groman. 2,627,569, Feb. 3.
Chain structure, Disintegrating and gathering. L. G. Rollins and A. L. Barrett. 2,650,813, Sept. 1.
Chain structure for trenching machines, Endless bucket. A. R. Askue. 2,648,145, Aug. 11.
Chains, Manufacture of flexible. M. Marquardt. 2,650,469, Sept. 1.
Chair: *See*—
Adjustable chair.
Adjustable pilot chair.
Adjustable reclining chair.
Barber chair.
Barrel chair.
Bathtub chair.
Berthable chair.
Child's combination chair.
Child's convertible chair.
Child's portable chair.
Child's training chair.
Collapsible chair.
Collapsible and portable high chair.
Collapsible reclining chair.
Combination child's chair.
Combination rocking and awiveling chair.
Convertible beach chair.
Convertible chair.
Convertible high-low baby chair.
Convertible table chair.
Deck chair.
Demountable chair.
Electric-hydraulic beauty chair.
Foldable lounge chair.
Foldable reclining chair.
Foldable wheel chair.
Folding chair.
Folding infant's chair.
Folding wheel chair.
Invalid child's bathing and amusement chair.
Knockdown chair.
Lounge chair.
Metal chair.
Nursery chair.
Orthopedic chair.
Posture chair.
Push chair.
Reclining chair.
Resilient slat-seat chair.
Resiliently suspended chair.
Rocking chair.
Self-propelled wheel chair.
Spring oscillating chair.
Utility chair.
Welder's chair.
Chair. R. P. Frick. 2,642,121, June 16.
Chair. H. M. Granlund. 2,650,645, Sept. 1.
Chair. C. V. Jannello. 2,631,655, Mar. 17.
Chair. W. H. Reinholz. 2,656,878, Oct. 27.
Chair. J. J. Waldheim and E. O. Bartolucci. 2,659,419, Nov. 17.
Chair adapted for optional operation by power or manually, Wheel. V. R. Goeller. 2,635,703, Apr. 21.
Chair and desk, Combination. H. Sebel. 2,661,049, Dec. 1.
Chair and ottoman, Combination upholstered. R. A. Wegner. 2,655,203, Oct. 13.
Chair and seat and back therefor. D. McDonald. 2,628,660, Feb. 17.
Chair and seat, Posture. W. C. Huebener. 2,647,560, Aug. 4.
Chair and steerable wheel attachment therefor, Foldable wheel. D. D. Deissner. 2,649,309, Aug. 18.
Chair and stool, Convertible high. L. O. Finwall. 2,630,164, Mar. 3.
Chair and table, Combination. A. Abbate and E. Cappelletti. 2,625,206, Jan. 13.
Chair back. C. E. Long. 2,636,552, Apr. 28.
Chair bed. E. E. Woller. 2,656,877, Oct. 27.
Chair construction. A. J. Bellin. 2,630,858, Mar. 10.
Chair construction. D. F. Caldemeyer and H. M. Quakenbush. 2,658,561, Nov. 10.
Chair construction, Spring. P. L. Barker. 2,658,555, Nov. 10.
Chair construction, Tubular. B. F. Harber. 2,638,970, May 19.
Chair convertible to ironing board. R. C. Lightbourne. 2,640,526, June 2.
Chair-desk structure. S. C. Willis and D. Cardozo, Jr. 2,632,496, Mar. 24.
Chair fitting device. S. H. Brown. 2,648,910, Aug. 18.
Chair for aerial ski lifts. A. McIlvaine. 2,662,587, Dec. 15.
Chair for bathtubs, Invalid. M. G. Webb and G. W. Seat. 2,648,849, Aug. 18.
Chair for group photography. M. A. Stewart. 2,658,553, Nov. 10.
Chair for spastic children, Adjustable mobile. G. E. Friedman. 2,630,160, Mar. 3.
Chair having an adjustable seat and back rest. G. M. Jackson. 2,627,898, Feb. 10.
Chair having an angularly adjustable back rest. L. Spraragen. 2,624,396, Jan. 6.
Chair having resilient frame. H. S. Boutin. 2,637,371, May 5.
Chair leg extension. A. Worgan. 2,633,898, Apr. 7.
Chair on tracks. F. Thompson and H. E. Rothenbaum. 2,628,664, Feb. 17.
Chair or stool for bars, counters, or the like, Disappearing. E. W. Schweikert. 2,625,984, Jan. 20.
Chair shock mount mechanism. R. F. Tatom and E. B. Kinnaman. 2,631,648, Mar. 17.
Chair structure. D. R. Johnson. 2,649,901, Aug. 25.
Chair structure. W. E. Nordmark. 2,658,563, Nov. 10.
Chair structure. W. E. Nordmark and N. C. Poel. 2,650,648, Sept. 1.
Chair support. R. L. Davis and W. R. Van Loo. 2,630,158, Mar. 3.
Chair with a novel seat arrangement for locking, Collapsible or folding high. S. A. Wohler and W. B. Pearce. 2,627,300, Feb. 3.
Chair with access preventing means. J. D. Fowler and R. A. Vaughn. 2,651,354, Sept. 8.
Chair with accessories compartments, Barber's. F. J. Strok. 2,634,801, Apr. 14.
Chair with coordinated leg rest, Reclining. C. A. Hughes. 2,659,415, Nov. 17.
Chair with detachable footrest. M. D. Rechler. 2,664,148, Dec. 29.
Chair with foot supporting stirrups, Medical practice. N. E. Lauterbach. 2,643,704, June 30.
Chair with hingedly mounted back pad, Contour. L. C. Malco. 2,630,855, Mar. 10.
Chair with movable padded seat, Contour. L. C. Malco. 2,650,644, Sept. 1.
Chair with rear shelf. C. E. Choate. 2,650,658, Sept. 1.
Chair with safety restraining post, High. E. M. Madsen. 2,630,856, Mar. 10.
Chair with spring seat and back. L. A. Smith. 2,648,372, Aug. 11.
Chairs, Set of nested. D. C. Dary. 2,642,119, June 16.
Chalk holder or the like. L. F. Schlieder. 2,656,605, Oct. 27.
Chamber closure. D. D. Powers. 2,636,637, Apr. 28.
Chamber device, Expansible. H. T. Cappelle. 2,640,432, June 2.
Chambered articles containing a movable element, Making. J. Haller. 2,628,166, Feb. 10.
Chance apparatus. B. E. Stalter. 2,641,473, June 9.
Chance controlled game board. W. D. Lee. 2,664,292, Dec. 29.
Change cycle control mechanism. A. V. Lapish. 2,657,060, Oct. 27.
Change device for electrical coin registers. C. Gabrielsen. 2,646,806, July 28.
Change making machine. N. N. Arashiro. 2,634,846, Apr. 14.
Changeover valve. N. H. Siebens. 2,641,273, June 9.
Change speed device, Rotatable. C. L. Cummings. 2,642,756, June 23.
Change-speed gearbox. A. A. G. Magis. 2,660,070, Nov. 24.
Change-speed gearing. T. Backus and E. L. Ludvigsen. 2,637,221, May 5.
Change-speed gearing. H. Sinclair. 2,651,394, Sept. 8.
Change-speed gearing. W. G. Wilson. 2,654,269, Oct. 6.
Change-speed transmission, Automatic. W. S. Gubelmann. 2,636,401, Apr. 28.
Changeable display sign. E. and W. S. Wagner. 2,633,652, Apr. 7.
Changeable key tag holder. M. J. Kottke. 2,624,139, Jan. 6.
Channel separation light filter. M. E. Hines. 2,651,715, Sept. 8.
Channel strip with snap on holder. W. A. Weibel. 2,632,477, Mar. 24.
Chaplet. H. F. Hohlfelder. 2,651,823, Sept. 15.
Character blocks for illuminated signs. D. Moss. 2,632,270, Mar. 24.
Character figure, Smoking. G. H. Messmore. 2,642,696, June 23.
Character selecting mechanism. C. A. Macomic. 2,659,299, Nov. 17.
Characteristic changer. J. J. Wilentchik. 2,662,145, Dec. 8.
Characteristic changer and linear potentiometer. J. J. Wilentchik. 2,662,149, Dec. 8.
Characterizing hydrocarbon mixtures. C. D. Smith. 2,648,010, Aug. 4.
Charge forming device. A. M. Chambers. 2,625,142, Jan. 13.
Charge forming device. E. H. Foster. 2,656,166, Oct. 20.
Charge forming device. L. E. Martienssen. 2,649,081, Aug. 18.
Charge-forming device. F. C. Mock. 2,626,789, Jan. 27.
Charge forming device. B. C. Phillips. 2,656,167, Oct. 20.
Charger-reader. O. G. Landsverk. 2,630,535, Mar. 3.
Charging and discharging device for refuse trucks. A. Blessing, G. Staudenmeier, H. Tilch, and F. Kaiser. 2,645,371, July 14.
Charging car. G. Padgett. 2,646,395, July 21.
Charging electric furnace. L. F. Weitzenkorn. 2,634,009, Apr. 7.

Charging horizontal zinc retorts. E. J. Bruderlin. 2,633,257, Mar. 31.
Charging liquid products and volatile propellants into pressure containers. D. M. McBean. 2,641,399, June 9.
Charging scrap metal, Means for. L. S. Longenecker. 2,656,055, Oct. 20.
Charging storage batteries. T. L. Kendall, C. B. Bodenhafer, and R. I. Plummer. 2,637,836, May 5.
Chart drive mechanism. J. McGay and G. E. Nicholson. 2,661,815, Dec. 8.
Chart pad for recording meters. W. E. Dueringer. 2,631,919, Mar. 17.
Chart, String instrument instruction. F. and J. Bova. 2,649,008, Aug. 18.
Chase and form cooler. H. E. Greenburg and O. H. Olson. 2,642,725, June 23.
Chassis fastening means. L. I. Lauther. 2,630,996, Mar. 10.
Chatter preventing device for valves. L. W. and F. H. Mueller and E. E. Cline. 2,626,629, Jan. 27.
Check and opener for closures, Combined. P. H. Travis. 2,639,458, May 26.
Check and script protector. D. J. Williams. 2,628,849, Feb. 17.
Check float for sewers, Backflow. O. W. McRill. 2,638,178, May 12.
Check for picker sticks. C. W. Franklin and J. T. Colvard. 2,646,082, July 21.
Check having phosphorescent area for check total, Restaurant. B. Diem. 2,632,116, Mar. 17.
Check operated, predetermined stop mechanism. C. H. Chapman and C. S. Aspenwall. 2,634,845, Apr. 14.
Check out counter. G. A. Just. 2,626,682, Jan. 27.
Checkout counter system. G. T. Smith. 2,625,241, Jan. 13.
Check-out device. P. L. Newbold. 2,650,678, Sept. 1.
Check valve. R. H. Blackford. 2,649,277, Aug. 18.
Check valve. I. E. Coffey. 2,662,723, Dec. 15.
Check valve. C. Kravagna. 2,662,724, Dec. 15.
Check valve. E. Mercier and M. Ehlinger. 2,636,510, Apr. 28.
Check valve. G. K. Moore. 2,628,810, Feb. 17.
Check valve and vent valve, Combined. J. D. Langdon. 2,629,393, Feb. 24.
Check valve mounting. R. Fennema. 2,664,264, Dec. 29.
Check-weighing machine. M. Knobel and T. P. Howard. 2,628,055, Feb. 10.
Check writing interpreter. E. Buhler. 2,661,684, Dec. 8.
Checker-brick, Square. A. B. Agnew and F. J. Rief. 2,651,515, Sept. 8.
Checkering machine. F. H. McDonald, J. J. Mackrell, K. P. Rado, and J. R. Brand. 2,638,946, May 19.
Checkerwork for heat regenerators. J. C. Stanley. 2,655,366, Oct. 13.
Checking and adjusting the air pressure in tires, Means for. A. Vignini. 2,633,889, Apr. 7.
Checking device for perforator and perforator tapes. C. H. Stuivenberg. 2,660,888, Dec. 1.
Checking device for self-service stores. M. O. Bessonette. 2,649,932, Aug. 25.
Checking means for interpreters. J. N. Wheeler. 2,624,273, Jan. 6.
Cheese curd cutter. B. T. Hensgen. 2,663,081, Dec. 22.
Cheese cutter. S. Kaplan and B. Platts. 2,658,275, Nov. 10.
Cheese making apparatus. R. Miollis. 2,654,151, Oct. 6.
Cheese making method. R. Miollis. 2,657,994, Nov. 3.
Cheese, Manufacture of. C. Arkin. 2,657,993, Nov. 3.
Cheese morsels and producing same, Protectively coated edible. J. K. Rusi. 2,648,607, Aug. 11.
Cheese package, Natural. E. E. Eldredge. 2,635,049, Apr. 14.
Cheese press. N. J. Peters. 2,642,797, June 23.
Cheese slicer. J. B. Taylor. 2,656,602, Oct. 27.
Chelate polymers from tetraketones. J. P. Wilkins and E. L. Wittbecker. 2,659,711, Nov. 17.
Chemical composition. M. E. Chiddix, S. H. Hesse, and E. J. Seiferle. 2,638,486, May 12.
Chemical compositions and methods. C. W. Todd. 2,655,446, Oct. 13.
Chemical compounds and preparing the same. M. Seidman and K. P. Link. 2,642,441, June 16.
Chemical gun trap. H. R. Graybill. 2,654,178, Oct. 6.
Chemical nickel plating. P. Talmey and W. J. Crehan. 2,658,839, Nov. 10.
Chemical nickel plating and bath therefor. G. Gutzeit and A. Krieg. 2,658,841, Nov. 10.
Chemical nickel plating and bath therefor. G. Gutzeit and E. J. Ramirez. 2,658,842, Nov. 10.
Chemical process. J. W. Churchill. 2,639,977, May 26.
Chemical process. M. L. Nielsen. 2,648,597, Aug. 11.
Chemical process for the production of an acid salt of hydroxylamine. R. E. Benson. 2,628,888, Feb. 17.
Chemical reaction tower. L. A. Ledgett. 2,655,435, Oct. 13.
Chemical reactor. V. L. Bigsby and A. J. Petraline. 2,657,120, Oct. 27.
Chemical refining of light oil distillates. F. A. Apgar. 2,625,503, Jan. 13.
Chemical water heater. F. J. Di Stefano. 2,636,489, Apr. 28.
Chemically bonded carbon refractory. W. K. Zinszer. 2,626,871, Jan. 27.
Chest binder. C. A. Muller. 2,662,522, Dec. 1
Chest of drawers. F. P. Mitten. 2,625,455.
Chest respirator. F. T. Wallin. 2,629,372, Fe
Chewing gum base. P. L. Merz, F. Witzel, Burhans. 2,662,016, Dec. 8.
Chewing gum base material. E. J. Hewitt a dick. 2,635,964, Apr. 21.
Chick box. H. P. Fleming. 2,643,810, June 3
Chick crate water holder. J. W. Simmons. Oct. 13.
Chicken chute. M. E. Bowers. 2,648,307, Aug
Chicken wing marker. H. W. Dryden. 2,654,
Child retainer for car seats. H. A. Franz. Apr. 7.
Child's automobile seat. J. H. Kindelberger. Dec. 29.
Child's combination chair. R. A. Schultz. Mar. 17.
Child's convertible chair. W. H. Spriggs. 2,64 25.
Child's convertible vehicle. D. J. Weirich. Apr. 14.
Child's garment rack. W. F. Taylor and I hammer. 2,645,357, July 14.
Child's portable chair. N. C. Angelo. 2,637,
Child's portable folding high seat. D. I. and Wain. 2,651,353, Sept. 8.
Child's seat. H. Fleisher and J. Homer. 2,65 10.
Child's seat. M. G. Hunter. 2,625,987, Jan
Child's training chair. R. G. Orlando. 2,62 17.
Child's vehicle seat. J. De Milto. 2,624,394
Chilled water distribution system and me Carnes. 2,629,237, Feb. 24.
Chilling apparatus, Poultry. G. W. Johnson. May 5.
Chilling system, Car and produce. D. 2,640,328, June 2.
Chimney block. L. V. Parsons. 2,646,742,
Chimney cap. H. A. Sabin, Jr. 2,660,105, N
Chimney cap construction. R. F. van Alstyne. July 28.
Chimney construction with heat controlling means. R. K. Thulman. 2,634,720, Apr. 14.
Chimney cowl. A. W. Gray. 2,660,106, Nov.
Chimney stack, especially for land vehicles J. Valensi. 2,659,293, Nov. 17.
Chip flushing means for beds of machine to Longstreet. 2,652,737, Sept. 22.
Chip removing method and apparatus. M 2,628,460, Feb. 17.
Chipper, Wood. W. K. Vaughan. 2,663,506,
Chipping machine, Wood and brush. W. 2,634,062, Apr. 7.
Chitterling preparing machine. O. A. Clen Mertens, and M. Walckhof. 2,641,020, Ju
Chloracetic acid ester of diphenyl ethan Speeter. 2,649,445, Aug. 18.
Chloralimine-N-sulfonates. J. Kamlet. 2,662,
Chloramphenicol esters and obtaining same. ton. 2,662,906, Dec. 15.
Chlorinated camphor and fenchone as insectic Buntin. 2,657,164, Oct. 27.
Chlorinated copper phthalocyanine, Preparat Holtzman and E. Simon. 2,662,085, Dec. 8
Chlorinated cyclic organic trithiocarbonate ing same. J. T. Bashour. 2,662,899, Dec.
Chlorinated dicyclohexadiene and insecticid tions containing the same. G. A. Buntin. Oct. 27.
Chlorinated n-ethyl acetanilide insecticide spr tion. H. J. Gerjovich and M. Pijoan. Aug. 11.
Chlorinated polycyclic compounds. J. Hyma Danish. 2,658,926, Nov. 10.
Chlorinated polymers of branched chain 1,3 J. L. Van Winkle and R. C. Morris. 2,640,
Chlorinated terpene alcohols, esters, and et secticides. W. D. Stonecipher. 2,657,166,
Chlorinated terpene derivative. W. L. Walton Oct. 27.
Chlorinating natural rubber. J. Been and M. 2,637,753, May 5.
Chlorination of cyclopentadiene. M. Kleiman. Nov. 3.
Chlorination of ethane. J. B. Furr and C 2,644,016, June 30.
Chlorination of ethylene in dilute mixtures. and R. B. Egbert. 2,658,088, Nov. 3.
Chlorination of olefins in dilute mixtures. and R. B. Egbert. 2,658,087, Nov. 3.
Chlorine concentration sensitive apparatus. Kay. 2,656,526, Oct. 20.
Chlorine dioxide of low chlorine content, Man M. L. Audoynaud. 2,641,528, June 9.
Chlorine dioxide, Preparation of. E. Wagner. Sept. 22.
Chlorine dioxide, Production of. C. H. Evans Oct. 6.
Chlormethyl derivatives of dibenzanthronyl throne and isodibenzanthrone compounds. dall. 2,645,646, July 14.

Chloro alkyl alkylene poly amino acids and producing same. F. C. Bersworth. 2,630,455, Mar. 3.
Chlorobromodifluoromethane, Preparation of. R. P. Ruh and R. A. Davis. 2,639,302, May 19.
Chlorodiketone. E. T. McBee and J. S. Newcomer. 2,658,918, Nov. 10.
Chlorofluoro derivatives of cyclohexane and making same, New. W. B. Ligett. 2,654,789, Oct. 6.
Chloromethyl derivatives of indigos. D. I. Randall. 2,657,214, Oct. 27.
Chloromethyl methyl ether, Making. W. C. Bauman and E. L. McMaster. 2,652,432, Sept. 15.
Chloromethylated arylaminoanthraquinones. D. I. Randall and E. E. Renfrew. 2,662,902, Dec. 15.
Chloromethylated arylaminobenzanthrones. E. E. Renfrew and D. I. Randall. 2,642,442, June 16.
Chlormethylated aryiphthalimides. D. I. Randall and E. E. Renfrew. 2,624,741, Jan. 6.
Chloromethylated aryl thioethers of the anthraquinone series. D. I. Randall and E. E. Renfrew. 2,642,444, June 16.
Chloromethylation. H. R. Raterink. 2,630,459, Mar. 3.
Chloromethylation of arylaminopolycyclic quinones. D. I. Randall and E. E. Renfrew. 2,645,645, July 14.
Chloropentenyl ethers. W. D. Niederhauser. 2,653,173, Sept. 22.
Chlorophenoxyacetaldehydes. L. R. Drake. 2,629,741, Feb. 24.
Chloroprene, Manufacture of. J. H. Dunn, C. M. Neher, and P. W. Trotter. 2,635,122, Apr. 14.
Chlorosilanes. G. H. Wagner. 2,657,114, Oct. 27.
Chlorosulfonation of polythene using azo catalysts. J. S. Beekley. 2,640,048, May 26.
Chocking device for vehicles. M. E. Grotz. 2,645,309, July 14.
Choke, Adjustable. R. V. Velez and L. E. Nelson. 2,634,537, Apr. 14.
Choke for gun barrels. E. F. White. 2,663,961, Dec. 29.
Choke for oil and gas well systems, Reduction. L. C. Clair. 2,638,917, May 19.
Choke joint high-frequency heater. M. E. Hiehle and P. W. Morse. 2,627,571, Feb. 3.
Choke valve control. H. A. Boller. 2,624,363, Jan. 6.
Choker trap. J. U. Lehn and C. M. Weidman, Sr. 2,628,448, Feb. 17.
Cholesterol, Preparing. L. Van Ness. 2,648,687, Aug. 11.
Cholesteryl esters brominated in position 7, Production of. H. Schaltegger. 2,647,867, Aug. 4.
Choline chloride, Preparation of. H. Hopff and K. Vierling. 2,655,541, Oct. 13.
Choline pantothenate and manufacturing same. M. Freed. 2,653,968, Sept. 29.
Chopper and mixer, Automatic salad. M. M. Alexander. 2,651,343, Sept. 8.
Chopper, Food. J. Braunwalder and E. Meyer. 2,664,128, Dec. 29.
Chopper, Meat. D. D. Mallory. 2,655,967, Oct. 20.
Chopper, Portable scrap. F. Koch. 2,653,660, Sept. 29.
Chopper, Tractor mounted rotary. J. F. Pilsner. 2,641,981, June 16.
Chopper with condiment adding means, Meat. L. H. Balmain. 2,633,170, Mar. 31.
Chopping device, Comestible. J. J. Berles. 2,661,535, Dec. 8.
Chopping device for vegetable matter, Domestic. G. A. Lacout. 2,648,365, Aug. 11.
Chopping machine, Cotton. J. E. Rode. 2,663,237, Dec. 22.
Christmas tree base. O. Trogdon. 2,630,287, Mar. 3.
Christmas tree holder. F. G. Aguettaz. 2,634,070, Apr. 7.
Christmas tree holder. J. H. Dicoskey. 2,630,994, Mar. 10.
Christmas tree holder. K. J. Hansson. 2,628,049, Feb. 10.
Christmas tree ornament. L. L. Raymond. 2,659,993, Nov. 24.
Christmas tree stand. D. C. Fox. 2,639,877, May 26.
Christman tree stand. A. J. Schulz. 2,652,217, Sept. 15.
Christmas tree stand. F. P. Stanley. 2,650,783, Sept. 1.
Christmas tree stand. J. C. and T. C. Kass. 2,628,798, Feb. 17.
Christmas tree support. N. A. Merritt. 2,655,331, Oct. 13.
Chrome mordanting and dyeing of wool, Continuous. J. N. Dalton and J. P. Ploubides. 2,628,883, Feb. 17.
Chromic salts, Preparation of. W. A. Stover. 2,650,239, Aug. 25.
Chromium-alloyed corrosion-resistant metal powders and related products. G. Stern, S. J. Sindeband, and J. P. Scanlan. 2,656,595, Oct. 27.
Chromium-alloyed corrosion-resistant metal powders and related products, Production of. S. J. Sindeband, G. Stern, and J. P. Scanlan. 2,657,127, Oct. 27.
Chromium coordination complexes of saturated perfluoromonocarboxylic acids and articles coated therewith. T. S. Reid. 2,662,835, Dec. 15.
Chromium electroplating. A. E. Chester. 2,655,471, Oct. 13.
Chromium-nickel titanium base alloys. S. A. Herres and T. K. Redden. 2,645,575, July 14.
Chromium steels. W. O. Binder and R. A. Perkins. 2,624,670, Jan. 6.
Chromium trioxide, Production of. T. S. Perrin. 2,632,688, Mar. 24.
Chronometer and sound reproducing instrument, Combination. J. T. Offutt. 2,641,654, June 9.
Chronograph setting hammer system. R. H. Jeanneret. 2,641,899, June 16.
Chuck. E. J. Bradway. 2,630,328, Mar. 3.
Chuck. W. Groen. 2,634,985, Apr. 14.
Chuck. P. P. Hepp. 2,656,192, Oct. 20.
Chuck. E. G. Schade. 2,653,820, Sept. 29.
Chuck. H. E. Sloan. 2,657,068, Oct. 27.
Chuck, Adjustable. R. E. and J. R. Buck. 2,639,157, May 19.
Chuck and method of chucking. M. A. Donohoe. 2,646,723, July 28.
Chuck for conveyers and the like, Automatically releasable. H. Pikal. 2,639,799, May 26.
Chuck for holding splined workpieces. J. J. Parker and L. T. Morawski. 2,658,764, Nov. 10.
Chuck mechanism for an oil well drilling apparatus. C. F. Ball and E. M. Luce. 2,638,324, May 12.
Chuck, Preloaded air release. E. L. Peterson. 2,655,384, Oct. 13.
Chute, Animal restraining. H. P. Johnson. 2,653,573, Sept. 29.
Chute, Case loading. C. E. Kerr and R. K. Galloway. 2,649,946, Aug. 25.
Chute, Cattle. H. C. Whitworth. 2,650,567, Sept. 1.
Chute device, Dual load and unload. R. T. MacKay. 2,650,729, Sept. 1.
Chute, Feed. A. Bassoff. 2,644,564, July 7.
Chute for trough hoists, Retractable. G. A. Jorgenson. 2,661,855, Dec. 8.
Chute, Mail. M. Katz. 2,637,430, May 5.
Chute mounting for concrete mixers, Discharge. C. Gerst. 2,646,262, July 21.
Cigar lighter. A. A. Johnson. 2,657,297, Oct. 27.
Cigar lighter knob light. J. Sinko and H. L. Miller. 2,630,539, Mar. 3.
Cigar perforating device. H. W. Grady. 2,641,265, June 9.
Cigarette and igniting means, Combined. C. Shio. 2,652,060, Sept. 15.
Cigarette case. J. Broda. 2,635,741, Apr. 21.
Cigarette case. J. Weigler. 2,655,258, Oct. 13.
Cigarette case and cutter, Combination. G. Thostenson. 2,664,091, Dec. 29.
Cigarette case timing indicator. R. H. Doye, Jr. 2,649,753, Aug. 25.
Cigarette case with igniter support means, Dispensing. D. Pinkas. 2,625,262, Jan. 13.
Cigarette chute. L. E. Harris. 2,637,490, May 5.
Cigarette container. A. M. Finkel. 2,630,213, Mar. 3.
Cigarette container and ash tray, Combined. E. J. Duhaime and F. J. Musacchia. 2,629,388, Feb. 24.
Cigarette dispenser. R. M. Frederick. 2,639,960, May 26.
Cigarette dispenser. R. L. Oliver. 2,663,605, Dec. 22.
Cigarette display case. N. J. Fokakis. 2,635,029, Apr. 14.
Cigarette extinguisher. G. L. Boland and J. T. Bertolani. 2,633,854, Apr. 7.
Cigarette extinguisher. J. B. Fisher. 2,659,377, Nov. 17.
Cigarette extinguishing device. N. C. Amen. 2,629,387, Feb. 24.
Cigarette extinguishing device. J. J. Fuller. 2,649,096, Aug. 18.
Cigarette holder. A. M. Mitchell. 2,638,904, May 19.
Cigarette holder. S. De Pinto. 2,663,306, Dec. 22.
Cigarette holder. F. A. Quiroz. 2,642,879, June 23.
Cigarette holder. L. M. Weintraub. 2,655,157, Oct. 13.
Cigarette holder. C. E. Wheelock. 2,644,463, July 7.
Cigarette holder attachment for beer cans. A. L. Selgas. 2,653,616, Sept. 29.
Cigarette holder, casing, and stand, Combined. F. R. Hamer. 2,626,614, Jan. 27.
Cigarette holder for automobile ash trays. A. Smereck. 2,639,719, May 26.
Cigarette lighter case. J. L. McCracken. 2,639,598, May 26.
Cigarette lighter filling plug. G. W. Mitchell. 2,656,067, Oct. 20.
Cigarette machine inking mechanism. H. L. Bechtold. 2,656,789, Oct. 27.
Cigarette making machine. E. H. Higgins. 2,633,133, Mar. 31.
Cigarette, Mouthpiece. D. W. Molins. 2,639,715, May 26.
Cigarette or cigar rest. E. F. Wolfe. 2,652,838, Sept. 22.
Cigarette package and matchbook container. D. D. Hayes. 2,649,192, Aug. 18.
Cigarette package and matchbook holder. W. D. Dunn. 2,640,588, June 2.
Cigarette paper. M. O. Schur and R. M. Levy. 2,652,834–5, Sept. 22.
Cigarette protector. D. W. Orchard. 2,646,049, July 21.
Cigarette recaser with elevator unit and pusher mechanism. P. L. Newbold. 2,644,627, July 7.
Cigarette rest and extinguisher. W. W. Jennings. 2,644,466, July 7.
Cigarette stub and ash receptacle. I. Lundstrom. 2,638,240, May 12.
Cigarette support, extinguisher, and economizer, Combined. C. H. Leong. 2,639,718, May 26.
Cigarette supporting and extinguishing device, Combination. H. L. Bachman, Sr. 2,663,301, Dec. 22.

Cigarettetrap, ash tray, and holder. Combined. D. J. Coffey. 2,653,614, Sept. 29.
Cigarillo machine. J. F. Halstead. 2,633,134, Mar. 31.
Ciliometer. J. A. Wheeler and W. H. Matthews. 2,628,612, Feb. 17.
Circle marker. A. J. Goodford. 2,651,843, Sept. 15.
Circle squarer. A. S. Raettig. 2,625,740, Jan. 20.

Circuit: *See*—
- Amplitude modulation circuit.
- Annunciator circuit.
- Auto-frequency output correction circuit.
- Automatic electronic error control circuit.
- Automatic gain control circuit.
- Automatic lighting circuit.
- Automatic phase control circuit.
- Automatic tuning circuit.
- Balanced sweep circuit.
- Balanced to unbalanced energy transfer circuit.
- Band pass filter circuit.
- Binary multiplying circuit.
- Bridge amplifier circuit.
- Bridge circuit.
- Cathode-ray deflection circuit.
- Cathode-ray tube sweep circuit.
- Circular sweep circuit.
- Coincidence circuit.
- Color pulse selector circuit.
- Color television rotating filter drive circuit.
- Common timing circuit.
- Communication signal lamp control circuit.
- Compensated humidity measuring circuit.
- Condition responsive valve control circuit.
- Control circuit.
- Controllable multi-vibrator circuit.
- Converter circuit.
- Counter and memory circuit.
- Counterelectro-motive force derivation circuit.
- Counting and registering relay circuit.
- Counting circuit.
- Crystal filter circuit.
- Decoding circuit.
- Degeneratively stabilized amplifier circuit.
- Delay circuit.
- Dial telephone system-digit absorbing selector circuit.
- Dual limit control circuit.
- Echo distance measuring circuit.
- Electric circuit.
- Electric control circuit.
- Electric potential comparing circuit.
- Electric wave excitation and control circuit.
- Electrical comparator circuit.
- Electrical control circuit.
- Electromagnetic scanning amplifier circuit.
- Electron oscillator circuit.
- Electron tube circuit.
- Electron tube voltage protection circuit.
- Electronic code pulse receiving circuit.
- Electronic control circuit.
- Electronic counting circuit.
- Electronic limit control circuit.
- Electronic locking circuit.
- Electronic motor control circuit.
- Electronic oscillator synchronizing circuit.
- Electronic trigger circuit.
- Electronic voltage regulator circuit.
- Error signal control circuit.
- Facsimile keying circuit.
- Fast counting circuit.
- Flip-flop circuit.
- Frequency dividing circuit.
- Frequency multiplier circuit.
- Frequency stabilizing circuit.
- Gain control circuit.
- Gas tube protector circuit.
- Gaseous discharge tube circuit.
- Gated oscillator circuit.
- Gating circuit.
- Gating trigger circuit.
- Generator coupling circuit.
- Ground leak measuring circuit.
- High-frequency signal translation circuit.
- Impulse circuit.
- Indicator selecting and lock-in circuit.
- Instantaneous automatic gain control circuit.
- Integrating circuit.
- Interpolating circuit.
- Ionization chamber circuit.
- Keyed noise-clipping circuit.
- Kinescope residual beam extinction circuit.
- Line-finder stopping circuit.
- Local transmitter frequency control circuit.
- Low-frequency restoration circuit.
- Magnetic amplifier circuit.
- Magnetron circuit.
- Manually settable temperature-sensitive bridge circuit.
- Measuring circuit.
- Modulation circuit.
- Motor control circuit.
- Moving object indication receiver circuit.
- Negative feedback amplifier circuit.
- Noise detection circuit.
- Noise limiting circuit.
- Nonlinear resonant flip-flop circuit.
- Oscillator circuit.
- Overload reset circuit.
- Peaked voltage circuit.
- Photoelectric cell coupling circuit.
- Photoelectric control circuit.
- Photorelay circuit.
- Physiological tone control circuit.
- Polar relay biasing circuit.
- Pulse control circuit.
- Pulse delay circuit.
- Pulse discriminating circuit.
- Pulse forming circuit.
- Pulse generating circuit.
- Pulse lengthening circuit.
- Pulse rectifier circuit.
- Pulse stretching prevention circuit.
- Radar beacon circuit.
- Range selector circuit.
- Reactance tube circuit.
- Recognizer circuit.
- Rectifier balancing circuit.
- Regulating control and regenerative circuit.
- Reverting call circuit.
- Ring circuit.
- Ring oscillator pulse producing circuit.
- Secondary emission trigger circuit.
- Selective circuit.
- Selective receiving and amplifying circuit.
- Semiconductor trigger circuit.
- Sequence switch circuit.
- Signal receiver circuit.
- Squelch circuit.
- Stabilized pulse circuit.
- Stabilized television circuit.
- Stable delay circuit.
- Strain measuring circuit.
- Sweep circuit.
- Sweep generator protection circuit.
- Sweep linearity control circuit.
- Synchro data switching circuit.
- Synchronization circuit.
- Synchronizing circuit.
- Synchronizing pulse differentiating and rectifying circuit.
- Telegraph hub repeater circuit.
- Telephone circuit.
- Telephone equalizer circuit.
- Telephone pay station circuit.
- Telephone selector circuit.
- Teletypewriter circuit.
- Television booster circuit.
- Television circuit.
- Television correcting circuit.
- Television keystone balance control circuit.
- Television pulse separation circuit.
- Television receiver horizontal deflection circuit.
- Temperature-
  cuit.
- Thermistor c
- Thyratron in
- Timing and s
  cuit.
- Transistor
  cuit.
- Transistor bi
- Transistor ci
- Translating
- Trigger circu
- Tunable ma
  cuit.
- Tuned circui
- Tuned vib
  selective c
- Two-directi
  braking ci
- Video clippin
- Visualized ra
  circuit.
- Voice freque
  circuit.
- Voltage gene
- Voltage sensi
- Voltage supp
  cuit.
- Wave shapin

Circuit and apparatus for fluorescent lam
C. E. Williams. 2,650,326, Aug. 25.
Circuit and method, Heating. G. H. Rend
Nov. 10.
Circuit and recorder, Electric control. G.
2,655,426, Oct. 13.
Circuit and valve for hydraulic rams, Hyd
J. F. Ziskal. 2,654,349, Oct. 6.
Circuit apparatus, Electrical. W. W. Snyd
Mar. 31.
Circuit-arrangement comprising a cathode-ra
De Beurs. 2,644,909, July 7.
Circuit arrangement comprising a reflex d
F. Coeterier. 2,645,738, July 14.
Circuit arrangement comprising at least o
the control of at least one lead. J.
2,662,176, Dec. 8.
Circuit-arrangement, Electric. F. de Jag
July 28.
Circuit arrangement embodying electron dis
employing target electrodes. H. G.
2,645,740, July 14.
Circuit-arrangement for amplifying and s
nals of different frequencies. A. J. W.
beek. 2,662,128, Dec. 8.
Circuit arrangement for conference call ins
R. Rensch. 2,644,039, June 30.
Circuit-arrangement for frequency transforn
frequency oscillations. W. W. Boelens
2,647,205, July 28.
Circuit-arrangement for receiving and detec
modulated oscillations. G. Hepp. 2,662
Circuit-arrangement for tone-control in
amplifiers. H. A. Broos. 2,650,268, Au
Circuit arrangement for X-ray tubes. M.
W. Tennet. 2,642,540, June 16.
Circuit-arrangement in a telephone system
tion of signals. C. Hooijkamp and R. Ha
Sept. 29.
Circuit arrangement including low-frequer
oscillators. A. Davidson and L. J. All
Oct. 13.
Circuit arrangement, Relay type selecting.
2,628,277, Feb. 10.
Circuit arrangement, Time-limiting. M. J
R. B. Buchner. 2,663,763, Dec. 22.
Circuit breaker. W. T. Allen. 2,656,437,
Circuit breaker. M. Bingenheimer. 2,624,
Circuit breaker. R. L. Brown. 2,629,036,
Circuit breaker. C. V. Chermendy. 2,664,4
Circuit breaker. T. M. Cole. 2,647,186. J
Circuit breaker. I. W. Cox. 2,663,777, D
Circuit breaker. H. D. Dorfman. 2,656,44
Circuit breaker. H. D. Dorfman and F.
2,636,958, Apr. 28.
Circuit breaker. J. A. Drobney and P
2,663,773, Dec. 22.
Circuit breaker. H. V. Elliott. 2,664,480.
Circuit breaker. G. J. Freese. 2,656,436,
Circuit breaker. H. S. Gano and G. J. Free
Jan. 6.
Circuit breaker. H. S. Gano and G. J. Free
Oct. 20.
Circuit breaker. F. L. Gelzheiser and J
2,656,439, Oct. 20.
Circuit breaker. F. L. Gelzheiser and
2,660,638, Nov. 24.
Circuit breaker. M. H. Hobbs, R. C. Dickin
Idzkowski. 2,632,829, Mar. 24.
Circuit breaker. H. A. Humpage. 2,647,1
Circuit breaker. J. G. Jackson. 2,652,465
Circuit breaker. M. J. Lewis. 2,634,347,

Circuit breaker. J. B. MacNeill, W. H. Stuellein, and M. E. Horn. 2,663,775, Dec. 22.
Circuit breaker. H. P. Sparkes. 2,650,276, Aug. 25.
Circuit breaker. S. J. Stone. 2,639,391, May 19.
Circuit breaker. H. M. Strobel. 2,658,127, Nov. 3.
Circuit breaker. W. A. Thomas. 2,660,631, Nov. 24.
Circuit breaker. J. Toth. 2,660,643, Nov. 24.
Circuit breaker. J. Toth and F. L. Gelzheiser. 2,654,008, Sept. 29.
Circuit breaker. B. G. Tremblay and W. H. Stuellein. 2,654,009, Sept. 29.
Circuit breaker actuating mechanism, Hydraulic. D. M. Umphrey. 2,658,969, Nov. 10.
Circuit breaker actuator arrangement. E. T. Platz. 2,646,488, July 21.
Circuit breaker, Air. A. R. Miller. 2,633,518, Mar. 31.
Circuit breaker, Air. A. R. Miller. 2,644,875, July 7.
Circuit breaker and tripping device therefor, Multipole. T. M. Cole and W. H. Lantz, Jr. 2,650,280, Aug. 25.
Circuit breaker, Automatic. P. M. Christensen. 2,648,736, Aug. 11.
Circuit breaker, Automatic. P. M. Christensen. 2,662,950, Dec. 15.
Circuit breaker, Automatic. A. R. Norden. 2,650,281, Aug. 25.
Circuit breaker, Automatic reclosing. A. W. Edwards. 2,656,433, Oct. 20.
Circuit breaker, Automatic reclosing. J. M. Wallace and J. W. Stirling, Jr. 2,655,575, Oct. 13.
Circuit, breaker, Compressed air. H. Forwald. 2,658,128, Nov. 3.
Circuit breaker, Electric. J. W. Beatty. 2,645,697, July 14.
Circuit breaker, Electric. W. D. Boller, W. D. Berkley, W. Ernst, and E. W. Landmeier. 2,662,951, Dec. 15.
Circuit breaker, Electric. R. T. Casey. 2,658,973, Nov. 10.
Circuit breaker, Electric. R. T. Casey. 2,659,783, Nov. 17.
Circuit breaker, Electric. R. T. Casey. 2,661,414, Dec. 1.
Circuit breaker, Electric. E. A. Erieson. 2,627,564, Feb. 3.
Circuit breaker, Electric. E. J. Frank and V. E. Phillips. 2,639,354, May 19.
Circuit breaker, Electric. R. N. Rowe. 2,639,347, May 19.
Circuit breaker, Electric. R. N. Rowe and R. G. Page. 2,640,127, May 26.
Circuit breaker, Electric. A. Roxburgh and A. Leigh. 2,645,696, July 14.
Circuit breaker, Electric. H. N. Schneider. 2,636,961, Apr. 28.
Circuit breaker, Electric. W. A. Thomas. 2,627,563, Feb. 3.
Circuit breaker, Electromagnetic trip. J. B. MacNeill and H. J. Lingal. 2,663,774, Dec. 22.
Circuit breaker for vehicles, Delayed action. T. R. Couts and E. R. Rankin. 2,647,181, July 28.
Circuit breaker, High-speed compressed-air. B. P. Baker. 2,644,876, July 7.
Circuit breaker, High-voltage. A. S. Caswell. 2,664,485, Dec. 29.
Circuit breaker, High-voltage. J. D. Wood and A. S. Caswell. 2,646,481–2, July 21.
Circuit breaker, High-voltage. J. D. Wood and A. S. Caswell. 2,647,972, Aug. 4.
Circuit breaker, Liquid break. W. E. Paul. 2,640,897, June 2.
Circuit breaker mechanism. F. E. Florschutz and C. G. Lentjes. 2,647,182, July 28.
Circuit breaker mechanism. R. C. Van Sickle. 2,656,430, Oct. 20.
Circuit breaker, Multipole. P. M. Christensen. 2,662,948, Dec. 15.
Circuit breaker, Multipole. P. M. Christensen and A. R. Norden. 2,662,949, Dec. 15.
Circuit breaker, Multipole. J. G. Jackson. 2,638,519, May 12.
Circuit breaker operating mechanism. J. K. Hodnette and M. G. Leonard. 2,656,438, Oct. 20.
Circuit breaker operating mechanism, Bench assembled. E. C. Goodwin. 2,645,699, July 14.
Circuit breaker operating mechanism, High-speed. H. J. Lingal and J. D. Findley, Jr. 2,644,053, June 30.
Circuit breaker, Rotary. A. Guillaume. 2,644,877, July 7.
Circuit breaker, Shielded. M. Mallory. 2,652,462, Sept. 15.
Circuit breaker, Thermal. O. Welter. 2,635,156, Apr. 14.
Circuit breaker, Thermal type overload. G. M. Euler. 2,638,737, May 19.
Circuit breaker, Thermally actuated automatic overload. R. E. Locher. 2,633,515, Mar. 31.
Circuit breaker, Time-delayed. J. M. Wallace and A. R. McClung. 2,647,184, July 28.
Circuit breaker with arc chute short circuiting sections of the arc. G. E. Jansson. 2,639,353, May 19.
Circuit breaker with arcing contacts in skew blast, Electric. P. L. Taylor. 2,645,695, July 14.
Circuit breaker with calibration provision. Automatic. T. M. Cole and P. M. Christensen. 2,642,509, June 16.
Circuit breaker with compensation provision for ambient temperature and meachnical shock, Automatic. T. M. Cole. 2,653,202, Sept. 22.
Circuit breaker with extended contact travel. G. A. Matthews. 2,645,689, July 14.
Circuit breaker with screw adjustment for latches, Thermal latch. R. C. Ingwersen. 2,639,349, May 19.
Circuit breaker with shunt for changing current rating. R. C. Ingwersen. 2,625,624, Jan. 13.
Circuit breaker with spark sealing casing construction. R. C. Ingwersen. 2,639,348, May 19.
Circuit checking apparatus. C. M. Hines. 2,625,596, Jan. 13.
Circuit checking equipment, Electric. W. J. Lawrence. 2,643,370, June 23.
Circuit components, Multiple element. O. I. Steigerwalt and H. I. Oshry. 2,648,804, Aug. 11.
Circuit control device. H. B. James. 2,650,328, Aug. 25.
Circuit control unit for train transformers, Dead-man. W. R. Haury. 2,661,461, Dec. 1.
Circuit controller. A. B. Rypinski. 2,632,827, Mar. 24.
Circuit controller contact assembly. H. L. Bone. 2,645,686, July 14.
Circuit controller, Electric. W. R. Gracey, Jr. 2,651,698, Sept. 8.
Circuit controller, Electric. P. N. Martin. 2,638,514, May 12.
Circuit controlling device, Semiconductor. L. B. Valdes. 2,655,608, Oct. 13.
Circuit controlling system, Combination timing and telephone. J. J. Zimmermann. 2,653,195, Sept. 22.
Circuit element, Adjustable coaxial line. R. G. Middleton. 2,635,144, Apr. 14.
Circuit element, Ganged. G. R. Stibitz. 2,662,148, Dec. 8.
Circuit element, Semiconductor. E. T. Burton. 2,655,625, Oct. 13.
Circuit failure protection device, Pressure compensated. J. V. V. Elsworth. 2,660,481–2, Nov. 24.
Circuit for a transmission and clutch control apparatus, Electrical. M. C. Robinson. 2,628,696, Feb. 17.
Circuit for adding binary numbers. F. C. Williams, A. A. Robinson, and T. Kilburn. 2,643,820, June 30.
Circuit for air fan heaters, Control. M. E. Lautner. 2,647,198, July 28.
Circuit for automotive vehicles, Automatic starter-energizing. G. L. Van Gastle. 2,648,016, Aug. 4.
Circuit for cathode-ray oscilliograph, Beam-intensity controlling. W. A. Geohegan. 2,648,027, Aug. 4.
Circuit for cathode-ray tubes, Centering. G. F. Rogers. 2,637,832, May 5.
Circuit for cathode-ray tubes, Focus. W. J. Grunwald. 2,658,164, Nov. 3.
Circuit for color television, Signal separating. G. L. Fredendall and Ray D. Kell. 2,636,937, Apr. 28.
Circuit for continuously operating electrophotographic printers, Control. L. B. Butterfield and J. H. Sulzer. 2,641,997, June 16.
Circuit for direct current reinsertion, Double triode clamping. K. Schlesinger. 2,647,161, July 28.
Circuit for electric discharge apparatus. A. Claude. 2,644,108, June 30.
Circuit for electric motors, Starting. T. R. Wieseman. 2,640,177, May 26.
Circuit for electric translating systems, Control. W. J. Holt, Jr. 2,638,569, May 12.
Circuit for emergency relief valve of a dredge, Control. D. L. Hofer. 2,644,400, July 7.
Circuit for facsimile circuits, Automatic phasing. J. W. Smith. 2,630,494, Mar. 3.
Circuit for fluorescent lamps, Preheat neutralizing. R. L. Keiffer and E. Lemmers. 2,644,107, June 30.
Circuit for frequency modulation of a local-oscillator oscillation. J. M. van Hofweegen. 2,662,215, Dec. 8.
Circuit for hydraulic presses, Pressure accumulator. O. Hoffmann. 2,636,346, Apr. 28.
Circuit for interpolated speech transmission, Coordinate selecting and lock-out. D. D. Robertson. 2,629,020, Feb. 17.
Circuit for low-frequency restoration, Balanced diode clamper. S. Doba, Jr. 2,636,080, Apr. 21.
Circuit for low torque variable-speed motors, Starting. F. M. Raver. 2,650,337, Aug. 25.
Circuit for magnetic recordings, Playback. H. M. Fleming, Jr. 2,633,564, Mar. 31.
Circuit for measuring the ratio of two potentials, Electrical. J. L. Saunderson, V. J. Caldecourt, and E. W. Peterson. 2,647,236, July 28.
Circuit for minimizing the effects of noise in television signals. C. O. Marsh, Jr. 2,631,230, Mar. 10.
Circuit for neutralization of frequency divider chains. R. B. Woodbury. 2,638,549, May 12.
Circuit for obtaining electric bridge equilibrium. R. M. M. Oberman. 2,648,057, Aug. 4.
Circuit operating device, Electric. R. C. Hascall. 2,642,504, June 16.
Circuit for operating electric discharge devices. E. A. H. French. 2,651,742, Sept. 8.
Circuit for photocells, Light signal test. R. F. Ehat. 2,632,358, Mar. 24.
Circuit for pulsating direct current, Electronic switching and mixing. D. W. Blancher. 2,639,379, May 19.
Circuit for radio apparatus, Balanced. N. B. Tharp. 2,651,685, Sept. 8.

Circuit for reversible D. C. motors, Control. W. D. Macgeorge and C. Cross. 2,640,957, June 2.
Circuit for single phase motors, Starting relay. R. H. Rech. 2,636,153, Apr. 21.
Circuit for space discharge lamps. W. C. Hall. 2,659,034, Nov. 10.
Circuit for storage tubes, Reading. J. A. Rajchman, M. H. Mesner, and N. Rosenberg. 2,645,712, July 14.
Circuit for telephone systems, Ringing control. G. Elliott. 2,659,770, Nov. 17.
Circuit for television receiver tuners, Constant band width coupling. E. J. H. Bussard. 2,652,487, Sept. 15.
Circuit for television receivers, Automatic frequency control. A. Cotsworth, III. 2,664,464, Dec. 29.
Circuit for television receivers, Brightness control. W. H. Chudleigh, Jr. 2,651,739, Sept. 8.
Circuit for television receivers, Current supply. H. Donn. 2,663,805, Dec. 22.
Circuit for testing, Amplifier. Q. A. Kerns. 2,628,268, Feb. 10.
Circuit for use in cathode coupled circuits, Coupling. H. E. Goldstine. 2,662,938, Dec. 15.
Circuit for vending machines, Control. L. Johnston. 2,659,471, Nov. 17.
Circuit for wideband amplifiers, Interstage coupling. C. W. Harrison. 2,649,508, Aug. 18.
Circuit having a reactive load, Amplifier. B. M. Oliver. 2,629,006, Feb. 17.
Circuit having series-connected tubes, Amplifier. W. H. Coulter. 2,659,775, Nov. 17.
Circuit in interpolated speech receiving system, Coordinate switching and lock-out. D. D. Robertson and A. V. Wurmser. 2,629,021, Feb. 17.
Circuit interrupter. C. H. Baker. 2,651,695, Sept. 8.
Circuit interrupter. A. R. Cellerini. 2,654,012, Sept. 29.
Circuit interrupter. H. H. Fahnoe and W. J. Paxton. 2,640,128, May 26.
Circuit interrupter. R. E. Frink and E. H. Fischer. 2,644,048, June 30.
Circuit interrupter. E. C. Gronowski. 2,650,282, Aug. 25.
Circuit interrupter. W. M. Leeds. 2,627,566, Feb. 3.
Circuit interrupter. W. M. Leeds. 2,648,745, Aug. 11.
Circuit interrupter. S. I. Lindell and C. H. Baker. 2,662,139, Dec. 8.
Circuit interrupter. R. L. Meisenheimer and S. R. Smith, Jr. 2,630,508, Mar. 3.
Circuit interrupter. H. L. Rawlins. 2,660,647, Nov. 24.
Circuit interrupter. H. L. Rawlins, R. C. Dickinson, and R. E. Frink. 2,632,075, Mar. 17.
Circuit interrupter. H. L. Rawlins and J. M. Wallace. 2,624,817, Jan. 6.
Circuit interrupter. A. P. Strom and T. E. Browne, Jr. 2,648,744, Aug. 11.
Circuit interrupter. C. L. Stroup. 2,628,269, Feb. 10.
Circuit interrupter. B. Ulrich, Jr., and P. Ulrich. 2,560,271, Aug. 25.
Circuit interrupter. D. M. Umphrey. 2,634,351, Apr. 7.
Circuit interrupter. D. M. Umphrey. 2,647,973, Aug. 4.
Circuit interrupter. J. M. Wallace, A. W. Edwards, and J. K. Kraft. 2,626,329, Jan. 20.
Circuit interrupter. J. M. Wallace and A. W. Ogg. 2,647,183, July 28.
Circuit interrupter. S. Wolf. 2,660,640, Nov. 24.
Circuit interrupter, Air. P. B. Hoye. 2,658,976, Nov. 10.
Circuit interrupter, Arc quenching. C. H. Titus. 2,632,826, Mar. 24.
Circuit interrupter, Bushing type. M. Kuwayama. 2,650,972, Sept. 1.
Circuit interrupter, Electric. M. Laverty. 2,654,815, Oct. 6.
Circuit interrupter housing. S. I. Lindell and C. H. Baker. 2,662,138, Dec. 8.
Circuit interrupter, Reclosing. D. J. Piccone. 2,644,046, June 30.
Circuit maker and breaker. L. S. Wasserman. 2,661,404, Dec. 1.
Circuit maker, Selective. C. Wittenmyer. 2,633,506, Mar. 31.
Circuit panels, Making. E. Adler and A. Chiesa. 2,626,206, Jan. 20.
Circuit regulating device. N. Insley and T. L. Tanner. 2,663,782, Dec. 22.
Circuit regulator and contact assembly therefor, Finger type. A. M. Cohen. 2,650,957, Sept. 1.
Circuit resistor construction, Fluid. R. F. Iager. 2,664,109, Dec. 29.
Circuit restorer. E. T. McCurry, J. A. Oppel, and M. J. Quinlan. 2,633,514, Mar. 31.
Circuit restorer. R. F. Quinn. 2,633,513, Mar. 31.
Circuit tester. E. Des Roches. 2,639,318, May 19.
Circuit testing device, Electric. M. Mohylowski. 2,653,297, Sept. 22.
Circuit timing controller, Reversible. D. A. Maresch. 2,631,206, Mar. 10.
Circuit tuning device. G. E. Morton. 2,654,034, Sept. 29.
Circuit using cold cathode tube, Ringer. H. C. Pye. 2,641,653, June 9.
Circuit utilizing a three-stud terminal board, Dual voltage reversible motor. G. D. Willits. 2,632,876, Mar. 24.
Circuit with automatic volume control and noise suppressing means, Radio receiving. W. W. Boelens. 2,662,170, Dec. 8.
Circuit with means to neutralize the induc... from track rails, Coded track. M. A. Sche... Sept. 8.
Circuit with reflex means, Radio receiving... Wageningen and J. Schreur. 2,662,173, ...
Circuit with single triode tube, Oscillator-... Chesus and J. T. Koleda. 2,631,229, Ma...
Circuits, Counter. M. L. Wood. 2,628,310, ...
Circuits, Coupling. M. Dishal and J. S... 2,644,027, July 7.
Circuits, Deflection. K. Schlesinger. 2,664,...
Circuits, Discriminator. H. A. Robinson... Sept. 15.
Circuits, Electrical decoding. E. P. G. Wrig... Weir. 2,648,725, Aug. 11.
Circuits, Electrical precipitator. E. G. Hill... June 2.
Circuits, Electrical wave band pass. ... 2,654,867, Oct. 6.
Circuits, Electron tube. P. N. Martin. 2,63...
Circuits, Electronic valve. A. M. Uttley, ... L. H. Bannister, and G. Ord. 2,651,717, ...
Circuits embodying cathode potential stabi... discharge devices. J. D. McGee, E. L. C... Lubszynski, R. S. Webley, and K. G. Huntle... Sept. 29.
Circuits employing gas-filled electron tubes... current railway track. P. N. Martin. 2,... 29.
Circuits employing gaseous discharge tub... A. D. Odell. 2,649,502, Aug. 18.
Circuits for adding-type impulse counters, ... marking. J. I. Bellamy. 2,634,403, Apr. 7.
Circuits for automatic billing systems, Com... Retallack. 2,634,910, Apr. 14.
Circuits for coded electrical signals, Operati... Gloess and F. H. Raymond. 2,635,229, A...
Circuits for communication systems, Alterna... Hill. 2,634,401, Apr. 7.
Circuits for direct current motors, Operating ... R. M. Gilson. 2,654,024, Sept. 29.
Circuits for electromagnets, Protective. J... 2,636,079, Apr. 21.
Circuits for flat type switches, Centralized c... Voss. 2,663,761, Dec. 22.
Circuits for induction motors, Control. ... 2,664,532, Dec. 29.
Circuits for line relay and vertical magnet ... switches, Preenergizing. C. E. Loma... Dec. 22.
Circuits for magnetic recording and reprod... Oscillator-amplifier. D. H. Dashiell. 2,... 29.
Circuits for modifying potentials. E. ... 2,651,719, Sept. 8.
Circuits for modulated carrier wave transm... lation control. C. W. Rich. 2,651,757, ...
Circuits for noise immunity, Plural time co... Wissel. 2,651,675, Sept. 8.
Circuits for pulse code modulation, Super... H. Feldman. 2,636,081, Apr. 21.
Circuits for reducing amplitude variations, A... control. R. H. Stafford. 2,662,125, Dec. ...
Circuits for register senders, Alternating ... current pulsing. G. Deakin. 2,636,946, A...
Circuits for space discharge tube network, C... Holmes and H. H. Heindel. 2,629,070, Fe...
Circuits for television receivers, Deflectio... 2,629,067, Feb. 17.
Circuits for velocity modulation tubes, Catch... ton and C. Dumousseau. 2,647,219, July ...
Circuits, Frequency shift keying. J. B. ... Leister, and J. R. Heck. 2,636,941, Apr. ...
Circuits, Highly selective and stable wi... quency converting. H. A. Robinson. 2,6...
Circuits, including transistors, Bistable. ... 2,655,609, Oct. 13.
Circuits, Interchannel noise suppressor. E... son. 2,630,527, Mar. 3.
Circuits, Low-input impedance transistor, ... and R. L. Wallace, Jr. 2,663,796, Dec. 22...
Circuits, Magnetic recording and reproducin... 2,641,655, June 9.
Circuits, Magnetron control. J. W. Daw... and T. A. O. Gross. 2,648,772, Aug. 11.
Circuits, Monostable transistor. A. W. ... Moore, Jr. 2,644,894, July 7.
Circuits, Monostable transistor triggered ... 2,644,895, July 7.
Circuits, Multielectrode gaseous-discharge ... Thomas and E. H. Cooke-Yarborough. ... 29.
Circuits, Multivibrator. E. Daskam, J... Mar. 31.
Circuits, Multivibrator tube. T. E. Hay... May 26.
Circuits, Protective. E. R. Shenk an... 2,643,359, June 23.
Circuits, Protective control. M. E. Bive... Mar. 10.
Circuits, Pulse synchronizing. M. W. Bake... Rush. 2,662,982, Dec. 15.

Circuits, Saw-tooth wave. A. B. Starks-Field. 2,662,198, Dec. 8.
Circuits, Seismographic amplifier mixing. R. L. Henson. 2,662,126, Dec. 8.
Circuits, Semiconductor pulse memory. J. B. Gehman. 2,644,893, July 7.
Circuits, Signal slicing. W. S. Druz. 2,632,049, Mar. 17.
Circuits, Stabilized semiconductor amplifier. L. E. Barton. 2,644,859, July 7.
Circuits, Thermionic valve integrating. M. M. Levy. 2,652,490, Sept. 15.
Circuits, Time delay. W. B. Bruene. 2,635,213, Apr. 14.
Circuits, Transistor pulse memory. J. B. Gehman. 2,644,892, July 7.
Circuits, Wave form generating. C. A. Segerstrom. 2,662,981, Dec. 15.
Circular grinding machine, Automatic. H. G. Crämer and G. Koppenwallner. 2,625,773, Jan. 20.
Circular slide wire resistance element. E. A. Hamacher and K. Lowitzsch. 2,658,131, Nov. 3.
Circular sweep circuit. E. B. Hales. 2,632,865, Mar. 24.
Circular wood box. P. L. Blum. 2,654,499, Oct. 6.
Circulating attachment for cook stoves, Hot-air. O. Suttles. 2,646,787, July 28.
Circulating device, Ventilating and air. P. E. Hord. 2,650,535, Sept. 1.
Circulating means for automatic cookers or washers. A. F. Albano. 2,638,767, May 19.
Circulation system, Steam heating. B. C. Skinner. 2,639,861, May 26.
Circumcision clamp. A. Course. 2,631,587, Mar. 17.
Circumcision clamp. H. O. Maryan. 2,646,046, July 21.
Circumferential cylinder register mechanism for rotary printing machines. M. Ras. 2,660,115, Nov. 24.
Circumferential tire slitting tool. W. F. Errig and E. S. De Hart. 2,638,984, May 19.
Cistern, Flushing. J. L. Pegler. 2,632,180, Mar. 24.
Clad magnesium base alloys. J. H. Jackson. 2,651,835, Sept. 15.
Clad metal. L. J. Lieberman. 2,626,457, Jan. 27.
Clad metal, Making. L. J. Lieberman. 2,626,458, Jan. 27.
Cladding metal. E. T. Clayton. 2,640,002, May 26.
Clamp: *See*—
Adjustable cam actuated hold-down clamp.
Adjustable clamp.
Adjustable hose clamp.
Adjustable lifting clamp.
Adjustable scaffold clamp.
Article retaining clamp.
Automatically adjustable C clamp.
Axially tightening band clamp.
Bait clamp.
Band clamp.
Battery cable clamp.
Battery terminal clamp.
Box holding clamp.
Brake lining clamp.
Bumper clamp.
C clamp.
Cable clamp.
Cam actuated jar clamp.
Camming article clamp.
Camber clamp.
Circumcision clamp.
Combination beam and shoring clamp.
Dental clamp.
Dental inlay clamp.
Drapery clamp.
Drum ring clamp.
Eaves trough clamp.
Electric terminal clamp.
Electrical line clamp.
Electrical outlet concrete form clamp.
Electrode clamp.
Explosionproof ground clamp.
Guillotine knife hydraulic clamp.
Hand locking battery cable clamp.
Hingeless dental clamp.
Holddown clamp.
Horizontal plate lifting clamp.
Hose clamp.
Implement tool bar clamp.
Index clamp.
Machine-tool table work clamp.
Messenger wire clamp.
Multiple-bar gluing clamp.
Open locking plate lifting clamp.
Pinch clamp.
Pipe carrying clamp.
Pipe clamp.
Pipe reforming clamp.
Pipe repair clamp.
Pivoted lever type line clamp.
Pivoted test clamp.
Plate lifting clamp.
Plural cable clamp.
Portable saw filing clamp.
Quick-acting C clamp.
Quick-acting hold-down clamp.
Quick attachable or removable surface clamp.
Quick-release screw clamp.
Quickly operable conduit clamp.
Reinforced V-band clamp.
Resilient tire chain applying clamp.
Ring clamp.
Rope clamp.
Rotatable welding ground clamp.
Saw clamp.
Separable pressure vessel quick clamp.
Shift rod adjusting clamp.
Single-leaf spring clamp.
Spring clamp.
Stack clamp.
Stereotype plate clamp.
Strap clamp.
Supporting pipe clamp.
Surgical clamp.
Suspension clamp.
Thread clamp.
Tire traction clamp.
Toggle clamp.
Trolley wire clamp.
Utility service clamp.
Vernier controlled indicator rod clamp.
Wedge operated construction clamp.
Wedge rope clamp.
Clamp. L. H. Flora. 2,655,703, Oct. 20.
Clamp. B. W. Henrikson and W. E. Nordmark. 2,637,081, May 5.
Clamp. H. B. Middendorf. 2,653,839, Sept. 29.
Clamp. J. M. Mikoski. 2,662,261, Dec. 15.
Clamp. J. H. O'Brien. 2,628,806, Feb. 17.
Clamp. H. F. Swenson. 2,637,249, May 5.
Clamp. J. R. Weiss. 2,629,915, Mar. 3.
Clamp and actuating mechanism therefor for setting adhesively bound facings to clutch plates. J. V. Urbano. 2,638,144, May 12.
Clamp and aligning gauge for sawing machines, Work. E. C. Krueger and A. L. Vander Linde. 2,655,959, Oct. 20.
Clamp and bench mount therefor, Hand supportable. F. E. Bellows. 2,660,079, Nov. 24.
Oct. 6.
Clamp and bracket, Multiple utility. J. A. Humphreys. 2,643,046, June 23.
Clamp and hanger, Quick-fastening conduit. M. G. Tormo. 2,634,930, Apr. 14.
Clamp and rotating mechanism, Combination. F. Sherriff. 2,647,650, Aug. 4.
Clamp arrangement for connecting tubular members. F. Sebok. 2,663,582, Dec. 22.
Clamp attachment for pliers. A. Hudnall. 2,654,280,
Clamp bracket. C. I. Williams. 2,659,125, Nov. 17.
Clamp comprising two elements jammed on a rail. F. J. Surenda. 2,634,079, Apr. 7.
Clamp dagger cam release. G. E. Stilwell. 2,651,035, Sept. 8.
Clamp for guy wires and the like. K. C. Jenne. 2,643,425, June 30.
Clamp for handling stone slabs, Lifting and carrying. T. K. Cornwell. 2,636,770, Apr. 28.
Clamp for hanging pipe and the like. O. C. Kindorf. 2,642,243, June 16.
Clamp for holding articles on clotheslines. E. E. Sauerman. 2,654,134, Oct. 6.
Clamp for holding dentures. R. W. Erickson and C. S. Olson. 2,659,146, Nov. 17.
Clamp for installing tire chains, Resilient. D. K. Randal. 2,649,005, Aug. 18.
Clamp for paper-cutting machines. W. C. Rupp. 2,633,195, Mar. 31.
Clamp for pocketbook handles, End. D. I. Reiter. 2,641,036, June 9.
Clamp for power-driven screw drivers, Screw-retaining. D. M. Kitterman. 2,658,538, Nov. 10.
Clamp for resilient tubing and the like, Wedge-actuated. J. Hoffmann. 2,643,848, June 30.
Clamp for scaffolding tubes and like members. A. A. Hobbs. 2,651,532, Sept. 8.
Clamp for shoe upper lacing machines, Cord. R. L. Bradley. 2,658,214, Nov. 10.
Clamp for supports for solid ceilings. W. Stahn and H. Wandke. 2,651,097, Sept. 8.
Clamp for umbilical cords and the like. M. Garland. 2,626,608, Jan. 27.
Clamp for vibrating shank plows. W. T. Graham. 2,627,798, Feb. 10.
Clamp means. L. E. Russell. 2,630,835, Mar. 10.
Clamp-on radiation fin. C. Di Vincenzo. 2,624,555, Jan. 6.
Clamp-operating mechanism for rotary car dumpers. H. E. Criner and B. A. Rose. 2,634,006, Apr. 7.
Clamp positioner. M. P. Graham. 2,644,702, July 7.
Clamp retainer. G. H. Mowers. 2,657,372, Oct. 27.
Clamp shoe with tiltable work engaging element, Removable. D. A. Gulland. 2,649,123, Aug. 18.
Clamp stick. K. R. Runde. 2,658,784, Nov. 10.
Clamp used in clamping plastic blocks together in plank construction. E. M. Wilmer and W. P. Hunter. 2,644,497, July 7.
Clamping device. H. D. Culver. 2,637,268, May 5.
Clamping device. W. J. Kear. 2,627,210, Feb. 3.
Clamping device. R. Peters. 2,648,240, Aug. 11.
Clamping device. J. E. Spriggs. 2,646,719, July 28.
Clamping device. H. Stodgell. 2,663,938, Dec. 29.
Clamping device for adjustably securing tool standards to plow beams. R. J. Altgelt. 2,637,262, May 5.
Clamping device for electronic discharge devices. O. E. Saari. 2,662,220, Dec. 8.
Clamping device for irregularly shaped workpieces. N. Barowsky. 2,658,415, Nov. 10.
Clamping device for slides of machine tools or the like. C. W. Berthiez. 2,635,324, Apr. 21.
Clamping device, Separable. L. H. Flora. 2,632,217, Mar. 24.
Clamping device, Sheet. W. F. Goudie. 2,654,932, Oct. 13.
Clamping device with lubricant atomizing means, Fluid operated. J. Verderber. 2,663,339, Dec. 22.
Clamping device with mechanical advantage and delayed release action, Fluid-operated. J. Verderber. 2,663,151, Dec. 22.
Clamping fixture and gauge, Combined. C. R. Worthington. 2,635,669, Apr. 21.
Clamping fixture for the application of webbing to furniture and the like. C. C. Moore, Jr. 2,635,656, Apr. 21.
Clamping ring closure. A. C. Giles. 2,643,150, June 23.
Clapper and gong assembly for telephone ringers. R. T. Jenkins. 2,658,193, Nov. 3.
Clarification. E. M. Kelly. 2,647,869, Aug. 4.
Clarification. E. M. Kelly and A. M. Kivari. 2,647,870, Aug. 4.
Clarification. A. M. Kivari and E. M. Kelly. 2,649,412, Aug. 18.
Clarification apparatus. E. M. Kelly and A. M. Kivari. 2,651,615, Sept. 8.
Clarification apparatus. J. D. Walker. 2,635,758, Apr. 21.

Clarification of distillery slop and the like. G. J. Strezynski. 2,663,718, Dec. 22.
Clarifying and filtering liquids, Method and apparatus for. S. F. Pellas and M. Kraut. 2,633,243, Mar. 31.
Clarifying and stabilizing beer. J. V. MacDonough. 2,658,829, Nov. 10.
Clarifying filter. L. H. Biggar. 2,633,993, Apr. 7.
Clasp, Center catch. E. Rodriguez. 2,633,619, Apr. 7.
Clasp construction, Clutch. J. H. Orchoff. 2,653,367, Sept. 29.
Clasp device. R. G. Gloss. 2,635,318, Apr. 21.
Clasp for blouses. I. M. Laverty and J. H. Bird. 2,628,398, Feb. 17.
Clasp for bracelets or the like, End. C. Duerr. 2,624,092, Jan. 6.
Clasp for bracelets or the like, End. E. Kupchick. 2,637,090, May 5.
Clasp for buttons. T. F. Detwiler. 2,643,426, June 30.
Clasp for jewelry, Bead chain. M. J. McFarland. 2,644,992, July 14.
Clasp, Garment. J. M. Parl. 2,640,247, June 2.
Clasp, Hose. W. J. Bissell. 2,641,039, June 9.
Clasp, Magnetic. N. E. Loofboro. 2,648,884, Aug. 18.
Clasp, Magnetic jewelry. J. Goodman and A. Goldman. 2,637,887, May 12.
Clasp, Necktie. R. A. Brown. 2,627,636, Feb. 10.
Clasp, Necktie knot. A. B. Tredway. 2,657,390, Nov. 3.
Clasp pin eyeglass holder. M. Nemser. 2,637,080, May 5.
Clasp pin eyeglass holder. M. Nemser. 2,650,397, Sept. 1.
Clasp, Spring hook. H. Kuehn and J. F. Sand. 2,637,089, May 5.
Classification designation change means for accounting machines. K. M. Buckey, P. M. Koons, and P. Spurlino. 2,625,330, Jan. 13.
Classification of calcined conditioned titanium dioxide pigment slurries. W. R. Whately. 2,626,707, Jan. 27.
Classification of phosphate ore. I. M. Le Baron. 2,654,477, Oct. 6.
Classifier, Centrifugal. J. M. Davis. 2,642,991, June 23.
Classifier for solid bodies carried in a fluid stream. J. A. Labouygues. 2,660,305, Nov. 24.
Classifying equipment for determining the dimensions of objects. E. Kolisch. 2,630,043, Mar. 3.
Classifying iron shot. M. J. Stutzman. 2,658,616, Nov. 10.
Claw for milking machines. H. W. Hein. 2,651,290, Sept. 8.
Claw hammer with adjustable leverage fulcrum. R. W. Johnson. 2,657,903, Nov. 3.
Clay contacting in the refining of lubricating oil, Process and apparatus for. H. R. Davis and C. F. Montross. 2,651,602, Sept. 8.
Clay extrusion machine. R. F. Smith. 2,624,094, Jan. 6.
Cleaner: *See*—
Air cleaner.
Automatic vacuum cleaner.
Automatic window cleaner.
Automatically reversible current-driven channel cleaner.
Barn cleaner.
Bearing cleaner.
Belt cleaner.
Bowling ball cleaner.
Centrifugal gas cleaner.
Conveyer belt cleaner.
Conveyer flight cleaner.
Core cleaner.
Cotton cleaner.
Cotton gin cleaner.
Dust mop cleaner.
Egg cleaner.
Expandable condenser tube cleaner.
Inertial air cleaner.
Jewelry cleaner.
Liquid applying windshield cleaner.
Oil well pump cleaner.
Paraffin cleaner.
Plumbing trap cleaner.
Pneumatic trouser cuff and pocket cleaner.
Portable ball cleaner.
Portable cotton cleaner.
Portable steam cleaner.
Pot cleaner.
Power-driven sewer cleaner.
Reverse air flow convertible household vacuum cleaner.
Stable gutter cleaner.
Suction cleaner.
Syringe cleaner.
Tank type suction cleaner.
Trouser cuff and pocket cleaner.
Vacuum cleaner.
Vacuum street cleaner.
Windshield cleaner.
Yarn cleaner.
Cleaner and grader, Seed. J. O. Dockins. 2,628,718, Feb. 17.
Cleaner and filter, Combined inertial air. A. S. Chipley. 2,634,821, Apr. 14.
Cleaner and peeler, Shrimp. F. S. and E. M. Lapeyre. 2,627,065, May 5.
Cleaner and presser, Four-in-hand necktie. W. F. Hawie and W. T. Davis. 2,633,274, Mar. 31.
Cleaner and ridger, Ditch. E. V. Briscoe. 2,640,286, June 2.
Cleaner for car washing machines, Flexible. J. Rende. 2,663,041, Dec. 22.
Cleaner for engine cooling systems. F. Hoke. 2,650,602, Sept. 1.
Cleaner for sugar beets and the like. E. P. Moinau. 2,624,458, Jan. 6.
Cleaner solution supply for beer distributing systems, Automatic. B. Audia. 2,645,379, July 14.
Cleaner testing apparatus and method. R. H. Tiers. 2,648,220, Aug. 11.
Cleaner with agitator drive disengaging means, Convertible suction. H. B. White. 2,637,874, May 12.
Cleaning and descaling ferrous articles and a for. M. H. Pakkala and F. J. Phillips. June 9.
Cleaning and descaling ferrous bodies. C. 2,630,393, Mar. 3.
Cleaning and drying apparatus. W. C. 2,643,465, June 30.
Cleaning and dust collecting machine for R. R. Cudy. 2,625,704, Jan. 20.
Cleaning and extracting apparatus. J. F. 2,651,190, Sept. 8.
Cleaning and filling containers. P. Martin. Aug. 11.
Cleaning and inhibiting corrosion of metal tan R. S. Treseder. 2,653,882, Sept. 29.
Cleaning and sealing machine, Egg. H. C 2,661,715, Dec. 8.
Cleaning and scrubbing device. B. A. Mitchell. Apr. 7.
Cleaning apparatus, Dry. M. F. Huebsch and Moss. 2,639,516, May 26.
Cleaning apparatus for bowling balls and the Newswanger. 2,624,898, Jan. 13.
Cleaning apparatus for castings and the Webster. 2,628,455, Feb. 17.
Cleaning apparatus, Gas. G. E. Lynch. 2,65 29.
Cleaning apparatus, Pneumatic container. J. 2,644,188, July 7.
Cleaning apparatus, Radiator. D. J. Logan. Dec. 22.
Cleaning apparatus, Watch. W. A. Buck. Apr. 14.
Cleaning apparatus, Window. L. Romano. June 30.
Cleaning apparatus with lubricator therefor. 2,651,311, Sept. 8.
Cleaning attachment for internal-combustio M. Bailey, Sr. 2,644,440, July 7.
Cleaning attachment for toothbrushes. W. A 2,624,062, Jan. 6.
Cleaning castings. A. Walcher. 2,654,682, Oc
Cleaning chocolate molds. A. C. Steenberg. May 26.
Cleaning composition. G. G. Wittwer. 2,625,5
Cleaning cupreous articles. C. J. Snyder and Lelland. 2,643,961, June 30.
Cleaning deposits of soot and the like fro C. D. MacCracken. 2,627,149, Feb. 3.
Cleaning device. O. L. Murdock. 2,657,413,
Cleaning device, Air. J. W. Lofton and M. 2,653,016, Sept. 22.
Cleaning device for collapsible tubes, Sucti Holbrook, 2,637,872, May 12.
Cleaning device for dandy rolls. M. D. S 2,633,779, Apr. 7.
Cleaning device, Fountain pen. D. Chapman. Feb. 17.
Cleaning device having agitator drive belting and conversion passageway independent Suction. W. A. Humphrey. 2,648,868, Au
Cleaning device, Jewelry. T. J. Shanahan, Jr. June 30.
Cleaning device, Liquid. C. J. Schichtl. 2,6 28.
Cleaning device, Perforation. C. J. McCoy. Dec. 1.
Cleaning device, Rug. S. M. McKendree. Apr. 7.
Cleaning device, Sewer. G. W. Kiesler, Sr. May 12.
Cleaning device, Sponge. S. P. Vaughn. Dec. 1.
Cleaning device, Stable. H. A. Tonagel and 2,639,803, May 26.
Cleaning device, Swimming pool. A. Dulak. July 28.
Cleaning device, Vehicle side window. V. 2,636,775, Apr. 28.
Cleaning device, Venetian blind. T. S. Smith. Jan. 13.
Cleaning device with sponge covered cleaning able floor. R. P. Saffioti. 2,642,601, June
Cleaning fiber treating machines, Method an for. C. A. Wied. 2,651,080, Sept. 8.
Cleaning filter sand beds. W. O. Mullins. Aug. 11.
Cleaning head for mops. A. H. Marchua. May 19.
Cleaning implement. M. A. Nelson. 2,646,5
Cleaning implement holder. J. F. Bagley, Jr. Mar. 24.
Cleaning implement, Shrimp. S. A. Paoli. Aug. 11.
Cleaning internal-combustion engines. E. 2,641,267, June 9.
Cleaning internal-combustion engines and therefor. O. L. Brandes and C. B. Pa 2,626,225, Jan. 20.
Cleaning machine, Drum. L. M. Gilbert and 2,628,378, Feb. 17.
Cleaning machine, Egg. D. M. Smith. 2,6 21.

Cleaning machine, Eraser. C. L. Gilbert. 2,663,044, Dec. 22.
Cleaning machine, Filter. R. L. G. Jones and S. C. Okeon. 2,641,269, June 9.
Cleaning machine, Hypodermic needle. O. W. Varga. 2,636,201, Apr. 28.
Cleaning machine, Mirror. S. Moss and J. Dorski. 2,632,197, Mar. 24.
Closing machine with oval container and cover positioning device. J. T. Livacich. 2,660,968, Dec. 1.
Cleaning machine, Watch. T. L. Martin. 2,646,807, July 28.
Cleaning of well perforations. H. M. Greene. 2,650,539, Sept. 1.
Cleaning out obstructions from conduits. J. V. O'Brien. 2,631,114, Mar. 10.
Cleaning oxide from oxidized molybdenum wire. M. A. Levesque. 2,626,224, Jan. 20.
Cleaning piping systems, Means for. A. Stams. 2,636,653, Apr. 28.
Cleaning radiator tubes and the like, Method and apparatus for. A. R. Ruth. 2,653,420, Sept. 29.
Cleaning refining equipment. P. F. Dougherty and L. G. Magill. 2,662,041–2, Dec. 8.
Cleaning seed cotton and other fibrous materials, Method and apparatus for. A. R. Nisbet, Sr. 2,632,923, Mar. 31.
Cleaning spark plugs. R. J. Rieckhoff. 2,660,544, Nov. 24.
Cleaning spark plugs and composition therefor. T. G. McDougal, E. W. Pierce, and W. A. Bychinsky. 2,627,148, Feb. 3.
Cleaning strip. S. S. Johnston and J. E. Elswick. 2,628,924, Feb. 17.
Cleanout gate valve. G. M. Beatty. 2,652,946, Sept. 22.
Cleansing device. M. W. and F. E. Fletcher. 2,624,619, Jan. 6.
Cleansing machine, Bottle. J. L. Herold. 2,655,928, Oct. 20.
Cleansing tissue, Felted water-soluble. R. J. Brown, J. Downing, and W. H. Groombridge. 2,648,635, Aug. 11.
Clear transparent polymers, Production of. R. F. Leary. 2,641,595, June 9.
Clearance angle gauge. C. G. Gase. 2,648,138, Aug. 11.
Clearing agents for histological tissue. A. Ferrari, Jr. 2,645,618, July 14.
Clearing agents for histological tissue. A. Ferrari, Jr. 2,645,647, July 14.
Cleat for footwear, Ice. N. A. Camody. 2,629,943, Mar. 3.
Cleaver, Automatic. C. W. Moravcik. 2,629,928, Mar. 3.
Cleft fastener for uniting materials and forming the same. I. A. Williams. 2,626,687, Jan. 27.
Clevis attachment, Insulator. J. H. Gledhill. 2,649,319, Aug. 18.
Clinching apparatus. S. G. Blumensaadt, E. H. Gutzman, and W. H. Neely. 2,640,986, June 9.
Clinkering cement raw materials and the like, Method of and apparatus for. J. C. Witt. 2,634,116, Apr. 7.
Clinograph. L. G. P. Thring. 2,657,466, Nov. 3.
Clip: *See*—
- Attaching clip.
- Bendable prong paper fastening clip.
- Billfold retainer clip.
- Car seat fabric clip.
- Chain clip.
- Coil mounting clip.
- Connector clip.
- Control clip.
- Curl clip.
- Dash liner clip.
- Double snap molding clip.
- Fence post clip.
- Filter plate screen clip.
- Floor clip.
- Fuse clip.
- Glazing clip.
- Hair clip.
- Identification clip.
- Jar clip.
- Molding clip.
- Mounting clip.
- Package clip.
- Pen or pencil clip.
- Pin curl clip.
- Pocket clip.
- Rail-fastening clip.
- Resilient fastening clip.
- Sectional wall clip.
- Spring supporting clip.
- Switch wafer mounting clip.
- Telephone handset locking clip.
- Thermometer clip.
- Tire bead lock clip.
- Window and screen clip.
- Wiper blade clip.
- Wire spring clip.
- Worm geared band clip.

Clip. E. J. Heldman and S. Jamison. 2,633,609, Apr. 7.
Clip. J. L. Newbegin and H. W. Griswold. 2,633,607, Apr. 7.
Clip and applying it. E. R. Workman. 2,653,362, Sept. 29.
Clip board for holding writing paper. J. Schwer. 2,646,993, July 28.
Clip clinching tool. W. D. Chilton. 2,647,814, Aug. 4.
Clip expander. A. L. Guyette. 2,656,049, Oct. 20.
Clip for bicycle handle bars. M. B. Chappel. 2,625,727, Jan. 20.
Clip for contoured hair. F. S. Waggener. 2,660,184, Nov. 24.
Clip for fence posts, Wire holding. C. F. Uhlhorn. 2,631,804, Mar. 17.
Clip for mirrors and the like, Mounting. L. Ferlise. 2,625,080, Jan. 13.
Clip for precluding rotation of segments of oil-retaining ring in journals. L. Alex. 2,660,486, Nov. 24.
Clip for sheet material. D. C. Larrabee. 2,642,638, June 23.
Clip for use in giving permanent waves, Hair. E. E. Reiter. 2,637,329, May 5.
Clip or clamp, Resilient. L. R. Young. 2,649,641, Aug. 25.
Clip to hold articles, Fixed resilient. W. N. Aleshin. 2,644,216, July 7.
Clipper and mower attachment for chain saws. E. A. Hayden. 2,642,901, June 23.
Clipper and stripper, Wire. C. H. Arnt and W. A. Bowman. 2,642,657, June 23.
Clipper attachment for lawn mowers. A. Drohomer. 2,641,893, June 16.
Clipper construction. D. M. Phillips. 2,650,423, Sept. 1.
Clipper, Electric hair. E. M. Brown and E. H. Forss. 2,650,993, Sept. 1.
Clipper, Hair. W. A. Sneed. 2,636,265, Apr. 28.
Clipper head, Rotary. R. Lecours. 2,663,931, Dec. 29.
Clipper, Hedge. B. De Stefano. 2,654,947, Oct. 13.
Clipper, Lemon. E. P. De Garmo. 2,632,245, Mar. 24.
Clipper, Nail. J. W. and W. A. Hunt. 2,632,947, Mar. 31.
Clipper with improved reciprocable cutter blade, Hair. W. H. Need. 2,641,833, June 16.
Clock. L. Prins. 2,642,713, June 23.
Clock. C. H. H. Rodanet. 2,643,506, June 30.
Clock. M. E. Schlenker. 2,638,735, May 19.
Clock and correction mechanism therefor, Direct read secondary. A. B. Benson. 2,651,167, Sept. 8.
Clock and hour angle indicator, Universal time. C. H. Allen. 2,657,525, Nov. 3.
Clock apparatus, Direct reading projection. F. J. Quinn. 2,652,745, Sept. 22.
Clock assembly, Advertising display. C. Gabrielsen. 2,641,856, June 16.
Clock, Automobile. R. G. Richardson and J. Fink. 2,658,328, Nov. 10.
Clock, Calendar. A. Gasbarro. 2,654,988, Oct. 13.
Clock control mechanism, Chime. L. A. Maas. 2,641,897, June 16.
Clock control time period signal device. A. D. Capehart and E. A. Hines. 2,642,490, June 16.
Clock, Cyclometer. J. Youhouse. 2,633,696, Apr. 7.
Clock device, Novelty. S. M. Lubin. 2,639,577, May 26.
Clock, Electric. W. A. Black. 2,644,293, July 7.
Clock, Electric. P. R. Contant and R. H. Sullivan. 2,642,714, June 23.
Clock, Electric. I. Reiner. 2,625,787, Jan. 20.
Clock, Electric. R. H. Sullivan and P. R. Contant. 2,631,423, Mar. 17.
Clock, Explosion resisting. H. L. Bush and W. E. Parish. 2,625,004, Jan. 13.
Clock frame connecting device. H. G. Manson. 2,635,415, Apr. 21.
Clock, Geographical. M. L. Beyer. 2,637,969, May 12.
Clock, Impulse electric. A. Amend, Jr. 2,632,292, Mar. 24.
Clock, Individually corrected secondary. G. L. Riggs, Jr. 2,662,367, Dec. 15.
Clock, Liquid display. O. J. Burden. 2,625,003, Jan. 13.
Clock, Master. R. B. Johnson and E. F. Geiger. 2,661,590, Dec. 8.
Clock, Pendulum actuated electric. L. Robert. 2,642,715, June 23.
Clock, Self-winding. O. Schild. 2,646,660, July 28.
Clock, Self-winding auto. A. Gazda. 2,657,526, Nov. 3.
Clock setting and regulating mechanism. P. Olson. 2,645,077, July 14.
Clock synchronizing apparatus. R. H. Barrows. 2,651,169, Sept. 8.
Clock, Synchronous motor carryover. C. J. Armstrong. 2,637,968, May 12.
Clock system, Master. L. J. Stern. 2,652,683, Sept. 22.
Clock, 24-hour direct-reading. E. J. Uhlig and J. R. Lewis. 2,645,896, July 21.
Clock winding mechanism, Door actuated. M. Goodman. 2,647,361, Aug. 4.
Clock with neon-illumination of dial and hands, Luminous. W. Uschkamp. 2,655,783, Oct. 20.
Clock with sliding case, Travel alarm. K. O. Schmidt. 2,640,668, June 2.
Clockwork movement, Electric. A. T. Westlake, Jr. 2,626,500, Jan. 27.
Clod breaker. L. E. Gilreath. 2,657,619, Nov. 3.
Close-off device for pipe lines. A. F. Klickman. 2,645,244, July 14.
Close-quarter peen. W. P. Goede. 2,637,228, May 5.
Closed cycle elastic fluid compressor-turbine plant and control thereof. D. H. Mallinson. 2,642,721, June 23.
Closed cycle engine. L. F. Campbell. 2,645,216, July 14.
Closed end magnetron. W. E. Lamb, Jr. 2,639,407, May 19.
Closed feed system for steam power plants. H. Hillier. 2,636,485, Apr. 28.
Closet. J. Aue. 2,658,203, Nov. 10.
Closet and clothes hamper, Combined linen. W. H. J. Downey. 2,636,800, Apr. 28.
Closet and wall construction. I. P. Whitehouse and W. W. Krauss. 2,660,269, Nov. 24.
Closet, Toilet. E. Goodfield. 2,661,481, Dec. 8.
Closing bags, Means for. G. R. Smith. 2,656,093, Oct. 20.
Closing cap for collapsible tubes of cream, Automatically. V. Lamagna. 2,655,293, Oct. 13.
Closing machine with rectangular container squaring and debulging devices. J. T. Livacich and E. W. De Gear. 2,660,936, Dec. 1.

Closing strip for aircraft, Inflatable. C. P. Krupp. 2,654,922, Oct. 13.
Closure. A. E. Smith. 2,653,611, Sept. 29.
Closure. A. E. Smith. 2,659,370, Nov. 17.
Closure. K. W. Binding. 2,627,994, Feb. 10.
Closure and applicator device, Combined. F. Leckler. 2,663,040, Dec. 22.
Closure and operating means therefor. C. A. Long. 2,639,144, May 19.
Closure appliance for bottle capping machinery. T. L. Goldsmith. 2,642,213, June 16.
Closure assembly for containers. H. B. Howe. 2,661,862, Dec. 8.
Closure assembly for the discharge end of blasting devices. F. A. Loving, Jr. 2,636,437, Apr. 28.
Closure cap. D. D. Acton. 2,633,262, Mar. 31.
Closure cap. H. W. Sanford. 2,647,652, Aug. 4.
Closure cap. A. D. Schultz and F. C. Schwendler. 2,663,456, Dec. 22.
Closure-cap device for receptacles. F. Westcott. 2,663,447, Dec. 22.
Closure cap for tube fittings. C. P. Day. 2,625,955, Jan. 20.
Closure cap retainer. F. W. Blanchard. 2,640,625, June 2.
Closure device. J. P. Swed. 2,648,282, Aug. 11.
Closure device for apertures. E. B. Fernberg. 2,626,080, Jan. 20.
Closure device for containers. A. D. Paull and G. A. Kraatz. 2,630,239, Mar. 3.
Closure device for containers, Permanently attached. W. J. Dixon. 2,642,204, June 16.
Closure device for feed chambers for finely divided materials. D. H. Wood and H. J. Roe. 2,654,924, Oct. 13.
Closure fastener. G. A. Tinnerman. 2,652,275, Sept. 15.
Closure for bottles and like containers. J. N. Steuart. 2,641,375, June 9.
Closure for bottles and the like. R. F. Colton. 2,626,607, Jan. 27.
Closure for containers. J. C. De Shazor, Jr. 2,642,911, June 23.
Closure for containers. H. B. Howe. 2,661,863, Dec. 8.
Closure for containers, Attachable. C. R. Yancey. 2,628,761, Feb. 17.
Closure for containers, Attached. W. Gräbner. 2,639,056, May 19.
Closure for containers, Elastically sealed. F. Lobl. 2,639,058, May 19.
Closure for containers, Safety. E. Holt. 2,648,467, Aug. 11.
Closure for dispensing containers. C. P. Corriveau. 2,636,649, Apr. 28.
Closure for dispensing containers, Pivoted. G. H. Hawkins. 2,634,890, Apr. 14.
Closure for drinking receptacles. J. T. Spalding and C. W. Labitska. 2,646,670, July 28.
Closure for exhaust pipe for gas engines. C. H. Harmon. 2,637,264, May 5.
Closure for hopper of hopper type railway cars. G. B. Dorey. 2,640,440, June 2.
Closure for pressure vessels. E. G. Schmidt and F. J. Cantalupo. 2,662,663, Dec. 15.
Closure for processing tanks. G. C. Lowe. 2,651,192, Sept. 8.
Closure for unrefillable containers. R. M. Bernal. 2,653,726, Sept. 29.
Closure for vessels, Top. S. H. Frankel. 2,635,783, Apr. 21.
Closure for wallets or billfolds. D. J. Nash. 2,651,346, Sept. 8.
Closure lock. D. N. and R. S. Jewett. 2,660,875, Dec. 1.
Closure locking ring for containers. W. Lockhart. 2,625,721, Jan. 20.
Closure making machine. H. Z. Gora. 2,657,426, Nov. 3.
Closure member. P. D. Becker. 2,637,462, May 5.
Closure member for containers. M. Gerin. 2,624,494, Jan. 6.
Closure member for tube ends. P. D. Becker. 2,644,978, July 14.
Closure member operated switch. A. W. Fruh. 2,624,792, Jan. 6.
Closure member or furniture glide. P. D. Becker. 2,632,198, Mar. 24.
Closure member or furniture glide. K. J. Shomber. 2,628,384, Feb. 17.
Closure, operating, and controlling device. R. Crow. 2,657,925, Nov. 3.
Closure operator control mechanism. W. H. Bruns and S. Davis. 2,634,828, Apr. 14.
Closure, particularly closures for sand boxes of vehicles. A. G. Dean. 2,627,958, Feb. 10.
Closure plug. R. J. Scott. 2,638,242, May 12.
Closure plug. C. P. Yarnall. 2,663,451, Dec. 22.
Closure plug for a tubular casing. J. F. G. Miller. 2,661,120, Dec. 1.
Closure remover for bottles with automatic closure ejectors, Solenoid operated. D. H. Packer. 2,657,599, Nov. 3.
Closure remover with container gripping means. C. C. Phillips. 2,651,957, Sept. 15.
Closure remover with jaw wheels controlled b... ing cam and radial slots. H. J. Schlageter. July 7.
Closure remover with piercing prong, Pry t... Brown. 2,643,560, June 30.
Closure remover with pivoted gripping jaw... Petty. 2,625,066, Jan. 13.
Closure remover with slidable toothed wh... Cudebec. 2,638,023, May 12.
Closure seal of cantilever type for vehicle ... the like. A. E. Flemming. 2,647,792, Aug...
Closure seals by molding and curing, Making. ... 2,654,913, Oct. 13.
Closure structure. R. C. Pratt. 2,639,766, M...
Closure top. J. Norden. 2,657,848, Nov. 3.
Closure unit for chamber wall openings. F. ... J. C. Singleton, Jr. 2,637,461, May 5.
Cloth attaching device for ironer rolls. L. J. ... 2,663,074, Dec. 22.
Cloth folding shuttle. J. C. Hecker and J. ... 2,629,299, Feb. 24.
Cloth having an elastomeric dam, Producing ... A. Nashley. 2,635,065, Apr. 14.
Cloth inspection apparatus. J. J. Owen and ... 2,626,535, Jan. 27.
Cloth roll mounting for narrow ware looms. E... 2,642,096, June 16.
Cloth roll windup and release. J. B. Jackson ... Moon. 2,634,766, Apr. 14.
Cloth winding means for looms, Auxiliary. M... 2,644,490, July 7.
Clothes carrier for automobiles, Portable. L... 2,640,634, June 2.
Clothes catching attachment for ironing boa... Blumenshien. 2,633,650, Apr. 7.
Clothes drier. K. M. Hammell and C. E... 2,644,245, July 7.
Clothes drier. W. R. Milby and A. U. Eslick. Sept. 8.
Clothes drier. W. L. Morrison. 2,645,863, Ju...
Clothes drier. R. D. Shapter. 2,648,142, Aug...
Clothes drier and control therefor, Variable ... matic. E. J. Peterson. 2,654,160, Oct. 6.
Clothes drier lint trap. J. H. Robinson. July 7.
Clothes-drying apparatus. S. E. Manecke. Oct. 13.
Clothes drying rack. H. D. Fogg. 2,639,816...
Clothes hanger. J. E. Campbell. 2,629,526, ...
Clothes hanger. J. Lisko. 2,635,794, Apr. 21...
Clothes hanger. R. F. Price. 2,640,632, Ju...
Clothes hanger. S. H. Tan. 2,648,468, Aug. ...
Clothes hanger attachment. C. D. and C... 2,629,575, Feb. 24.
Clothes hanger support for automobiles. W... 2,629,528, Feb. 24.
Clothesline adjusting device. C. A. Blake. Mar. 31.
Clothesline construction, Indoor. V. E. Bo... Bergeson, and C. B. Potts. 2,628,723, Feb.
Clothesline hanger. P. B. Cadman. 2,638,23...
Clothesline hanger. W. W. Moore and C. A. ... 2,645,358, July 14.
Clothesline reel. M. B. Lacy. 2,635,828, Apr...
Clothesline reel. R. J. Kingsley. 2,657,875, ...
Clothesline reel and awning, Combined. R. ... 2,661,849, Dec. 8.
Clothesline, Supplementary. J. G. Field. 2,65... 29.
Clothesline support. A. O. Lindstrom. 2,664,2...
Clothesline trolley. T. Finkbeiner and C. Funk... Feb. 10.
Clothespin. C. A. Morgan. 2,641,811, June ...
Clothespin. J. F. Donahue. 2,632,930, Mar. ... 2,631,338, Mar. 17.
Clothespin. J. L. Mack, Sr. 2,626,439, Jan...
Clothespin device. R. W. McNamee. 2,644,2...
Clothespin holder. W. J. Cannon. 2,647,550...
Clothes pole, Folding. I. E. Wells. 2,639,818...
Clothes pole supporting bracket. W. P. ... 2,624,468, Jan. 6.
Clothes rack. P. F. White. 2,647,669, Aug. 4.
Clothesrack for ironing boards and the like... M. V. Maher. 2,641,072, June 9.
Clothes retainer or guard. L. Peters and H...
Clothes-washing and extracting apparatus. ... nedy. 2,660,870, Dec. 1.
Clothes-washing machine. G. P. Castner. Mar. 10.
Clothes-washing machine. A. D. Lund. Aug. 4.
Clothes-washing machine. W. P. McCarty. July 28.
Clothes-washing machine having a squeeze ba... H. Baade. 2,653,465, Sept. 29.
Clothes-washing machine having impeller-co... scrubber. H. W. Altorfer. 2,630,695, Mar. ...
Clothing bag. M. L. Duskin. 2,637,424, M...
Cloud detecting system. C. B. Pear, Jr. 2,64... 28.
Cloud height indicator. Q. Frazier. 2,625,74...

Clutch: *See*—
Adjustable cam operated clutch.
Antibacklash servo clutch.
Automatic clutch.
Automatic friction type clutch.
Automatic tool releasing clutch.
Automotive friction clutch.
Axially engaging friction clutch.
Bobbin clutch.
Cam released clutch.
Cam released pin clutch.
Centrifugal and one-way clutch.
Centrifugal and spring engaged clutch.
Centrifugal clutch.
Centrifugal servo clutch.
Centrifugally balanced fluid clutch.
Centrifugally engaged clutch.
Centrifugally operated torque limiting clutch.
Constant speed centrifugal clutch.
Constant torque clutch.
Definite position release clutch.
Double reversing clutch.
Electrically controlled clutch.
Electromagnetically operated friction clutch.
Engageable and releasable axle clutch.
Fan drive clutch.
Film sprocket clutch.
Fluid and spring operated clutch.
Fluid clutch.
Fluid coupling clutch.
Fluid operated clutch.
Fluid operated friction clutch.
Fluid operated multiple disk clutch.
Fluid pressure engaged and released clutch.
Friction clutch.
Hysteretic over-running clutch.
Impact type clutch.
Latch released positive clutch.
Locking type clutch.
Magnetic clutch.
Magnetic fluid clutch.
Multiple disk friction clutch.
One revolution clutch.
One-way clutch.
Overload clutch.
Overload release clutch.
Overload released fluid clutch.
Overrunning clutch.
Pedally-controlled power-operated clutch.
Positive clutch.
Positive engaging clutch.
Propeller slip clutch.
Radial flux magnetic fluid clutch.
Roller type overrunning clutch.
Safety drive clutch.
Self-interrupting clutch.
Slip clutch.
Slipping clutch.
Sprag type clutch.
Sprag type one-way clutch.
Spring-finger diaphragm clutch.
Spring type clutch.
Spring type overload release clutch.
Synchronized centrifugal clutch.
Synchronizing clutch.
Thermally releasable torque limiting clutch.
Torque and speed responsive fluid clutch.
V belt clutch.
Vane type fluid clutch.
Variable speed hydraulic clutch.

Clutch. J. L. De Boo and C. W. Swan. 2,624,434, Jan. 6.
Clutch. E. W. Gardinor, C. I. Johnson, and E. J. Lamb. 2,633,957, Apr. 7.
Clutch. D. E. Hendrickson, E. B. Royle, and D. M. Schwartz. 2,661,826, Dec. 8.
Clutch. L. Sloan. 2,626,692, Jan. 27.
Clutch actuating means for hand brakes of railway cars. R. J. Olander. 2,648,984, Aug. 18.
Clutch and brake, Combined electromagnetically actuated. M. R. Hutchison, Jr. 2,642,169, June 16.
Clutch and brake control for endless track vehicles. J. W. Grenier. 2,656,904, Oct. 27.
Clutch and brake controlled press, Electric. M. P. Winther. 2,630,467, Mar. 3.
Clutch and brake device. J. W. Bitler. 2,636,581, Apr. 28.
Clutch and brake device. E. P. Cox. 2,649,174, Aug. 18.
Clutch and brake device, Electromagnetic. D. S. Durston. 2,646,145, July 21.
Clutch and brake, Dynamoelectric machine. I. Kalikow, L. E. Hildebrand, and A. F. Lukens. 2,646,519, July 21.
Clutch and brake for drawworks hoists, Combined. A. R. Maier. 2,635,851, Apr. 21.
Clutch and brake for washing machines. W. G. Landwier. 2,660,278, Nov. 24.
Clutch and brake mechanism and coordinated control therefor. L. B. Neighbour and O. P. Lance. 2,648,415, Aug. 11.
Clutch and brake mechanism for dynamoelectric machines. A. H. Labastie. 2,646,520, July 21.
Clutch and brake motor, Eddy-current. R. Landis. 2,630,466, Mar. 3.
Clutch and brake, Spring. G. A. Montooth. 2,652,134, Sept. 15.
Clutch and clutch control mechanism. E. E. Wemp, W. O. Kronner and L. A. Wemp. 2,635,722, Apr. 21.
Clutch and fan drive, Thermostatically controlled. A. Y. Dodge. 2,652,816, Sept. 22.
Clutch and lower assembly, Friction. R. C. Zeidler. 2,657,781, Nov. 3.
Clutch and throttle control for balers. L. H. and H. W. Pringnitz. 2,654,263, Oct. 6.
Clutch and throttle control for outboard motors. A. R. Long. 2,638,862, May 19.
Clutch assembly. V. S. D. Bernardo. 2,652,912, Sept. 22.
Clutch-brake, Permanent magnet. K. M. Feiertag. 2,635,723, Apr. 21.
Clutch construction. O. H. Banker. 2,641,344, June 9.
Clutch construction. C. A. Cook. 2,647,596, Aug. 4.
Clutch construction. W. T. Dunn. 2,632,541, Mar. 24.
Clutch construction. A. J. Syrovy, W. T. Dunn, and R. T. Bucy. 2,651,395, Sept. 8.
Clutch control, Fluid actuator. H. O. Schjolin. 2,640,368, June 2.
Clutch control for engine braking. F. R. McFarland. 2,630,895, Mar. 10.
Clutch control mechanism. R. H. Long and E. E. Prather. 2,631,700, Mar. 17.
Clutch control mechanism. E. R. Price. 2,634,839, Apr. 14.
Clutch device. R. Godillon. 2,663,200, Dec. 22.
Clutch device, Friction. R. A. Carlson. 2,633,217, Mar. 31.
Clutch disk, Quick-change. L. W. Thompson. 2,645,320, July 14.
Clutch disk, Self-centering. J. B. Polomski, Jr. 2,653,692, Sept. 29.
Clutch drive, Two-speed friction. C. E. Hockert. 2,632,544, Mar. 24.
Clutch drive, Variable speed magnetic fluid. G. R. Nelson. 2,640,364, June 2.
Clutch driven plate with bonded linings. D. E. Gamble. 2,630,199, Mar. 3.
Clutch enabling simultaneous and/or selective control of more than one driven shaft. L. Matrot. 2,646,148, July 21.
Clutch enclosure, Flexible. N. E. Risk and C. A. Ramsel. 2,641,346, June 9.
Clutch facing and manufacture. H. J. Palumbo. 2,648,618, Aug. 11.
Clutch follow-up device, Mechanical. H. F. Vickers. Re. 23,692, Aug. 4.
Clutch for baling machines for farm products. J. P. Harrington and J. D. Mitchell. 2,636,582, Apr. 28.
Clutch for drill heads. A. B. Crichton, Jr., and C. G. Wennerstrom. 2,646,146-7, July 21.
Clutch for hand power winches. R. P. Fox and O. L. Berby. 2,635,724, Apr. 21.
Clutch for hydraulic power mechanism, Reversible. F. W. Krueger. 2,648,416, Aug. 11.
Clutch for lawn mowers and trimmers. G. D. Berdan. 2,657,517, Nov. 3.
Clutch for power presses. H. D. Challen. 2,663,394, Dec. 22.
Clutch for screw actuators, Slip. L. Ochtman. 2,660,281, Nov. 24.
Clutch for washing machines or the like, Drive. J. W. McNairy. 2,639,794, May 26.
Clutch in a fluid torque converter, Lock-up. J. H. O'Brien. 2,640,572, June 2.
Clutch installation for motor vehicles. W. F. Wilson. 2,632,543, Mar. 24.
Clutch mechanism. G. F. Wales. 2,627,758, Feb. 10.
Clutch mechanism. J. N. Weiland. 2,629,470, Feb. 24.
Clutch mechanism, Friction. G. Hendrickson. 2,632,542, Mar. 24.
Clutch mechanism, Latch operated. E. E. Kleinschmidt. 2,644,560, July 7.
Clutch mechanism, Spring. S. F. Gorske. 2,633,953, Apr. 7.
Clutch or brake, Fluid operated. H. T. Kraft. 2,630,198, Mar. 3.
Clutch piston safety valve. G. E. Flinn. 2,642,844, June 23.
Clutch plate. G. I. Goodwin. 2,627,332, Feb. 3.
Clutch plate. S. K. Wellman and F. J. Lowey. 2,646,151, July 21.
Clutch plates, Friction. W. V. Thelander. 2,658,598, Nov. 10.
Clutch power transmission, Fluid. A. J. Zak. 2,633,216, Mar. 31.
Clutch shifting means for hand brakes of railway cars. R. J. Olander. 2,639,627, May 26.
Clutch shifting mechanism for geared hand brakes. R. J. Olander. 2,639,628, May 26.
Clutch structure, Propeller. M. F. Snyder. 2,642,730, June 23.
Clutch trip mechanism for hay balers. J. H. Bornzin. 2,634,840, Apr. 14.
Clutch with helicoidal tooth surfaces of varying lead, Positive. E. Wildhaber. 2,654,456, Oct. 6.
Clutch with lever fulcrum ring assembly, Friction. C. B. Spase. 2,661,086, Dec. 1.
Clutch with lubricating means, Electromagnetic. H. S. Beattie. 2,651,396, Sept. 8.
Clutch with nonconductive surface coating, Magnetic fluid. M. P. Winther. 2,631,705, Mar. 17.
Clutch with over center spring levers. E. M. De Coursey. 2,626,032, Jan. 20.
Clutch with quick actuator, Centrifugal. W. Carmichael. 2,647,604, Aug. 4.
Clutch with removable cantilever spring, Centrifugal. T. L. Fawick. 2,626,034, Jan. 20.
Clutch with removable members, Fluid. G. Pielstick. 2,633,218, Mar. 31.
Clutch with spring loading, Cam operated. L. J. Wolf. 2,639,015, May 19.
Clutching device for windshield wipers. H. A. Chivers. 2,659,465, Nov. 17.
Clutching mechanism. H. P. Luhn. 2,658,599, Nov. 10.

Coagulation and washing of normally crystalline vinylidene chloride polymer emulsions. H. W. Moll. 2,654,730, Oct. 6.
Coagulation of oil emulsions with cellulose sulfate. J. R. Caldwell. 2,625,517, Jan. 13.
Coal carbonization and gasification. J. C. Kalbach. 2,634,198, Apr. 7.
Coal conditioning and conveying means. E. C. Webb. 2,639,681, May 26.
Coal cutting or loading machine. J. M. Quonlam. 2,658,739, Nov. 10.
Coal drill. E. C. Allen. 2,634,950, Apr. 14.
Coal drill. J. S. Robbins. 2,650,083, Aug. 25.
Coal mining machine with eccentrically mounted disk cutters. J. S. Robbins. 2,653,806, Sept. 29.
Coal pulverization and combustion apparatus for gas turbine power plants. J. I. Yellott. 2,625,791, Jan. 20.
Coaster. J. M. Keegan. 2,652,703, Sept. 22.
Coaster. G. L. and H. H. Raymond. 2,641,911, June 16.
Coaster for furniture legs. C. W. Muszynski. 2,649,611, Aug. 25.
Coat combined with muff. J. Fedman. 2,654,094, Oct. 6.
Coat, Double. H. C. Ross. 2,636,176, Apr. 28.
Coat hanger. G. M. Clover. 2,643,037, June 23.
Coat hanger. M. G. Zenk. 2,653,739, Sept. 29.
Coat hanger extension pad. L. M. Stratta. 2,628,748, Feb. 17.
Coat retainer. I. R. Lang. 2,642,210, June 16.
Coated articles and textiles and emulsions for producing them. C. Schlatter, J. B. Eisen, and G. D. Jefferson. 2,663,989, Dec. 29.
Coated bearing structure. J. E. Brophy and J. Larson. 2,635,929, Apr. 21.
Coated calcium carbonate particles. J. W. Perloff and L. Jacobson. 2,663,695, Dec. 22.
Coated cloth and other resin and fiber compositions. L. P. Biefeld. 2,650,184, Aug. 25.
Coated fabric. H. J. Rand. 2,630,620, Mar. 10.
Coated fabrics. A. R. Morrison and R. F. Shannon. 2,662,044, Dec. 8.
Coated food container. A. C. Edgar. 2,655,451, Oct. 13.
Coated pipe. J. A. Cavallier. 2,656,857, Oct. 27.
Coated rubber hydrochloride product. C. M. Carson. 2,650,174, Aug. 25.
Coated silica particles and product obtained thereby, Preparing. R. K. Iler. 2,663,650, Dec. 22.
Coated soft iron and steel sheets, Production of. R. S. Burns and R. L. Solter. 2,656,285, Oct. 20.
Coating. M. G. Bigley. 2,637,660, May 5.
Coating. P. Godley, 2nd, and P. J. Clough. 2,629,807, Feb. 24.
Coating and draining machine, Automatic. C. C. Robb and H. M. Zimmerman. 2,640,584, June 2.
Coating and lubricating composition. A. F. Kluender. 2,664,399, Dec. 29.
Coating apparatus. F. S. Elkins. 2,632,422, Mar. 24.
Coating apparatus, Cathode-ray tube. J. H. Dyne and C. M. Baker. 2,660,978, Dec. 1.
Coating apparatus, Electrostatic. E. M. Ransburg. 2,655,128, Oct. 13.
Coating apparatus, Electrostatic. E. M. Ransburg. 2,658,472, Nov. 10.
Coating apparatus, Electrostatic. W. A. Starkey. 2,636,471, Apr. 28.
Coating apparatus, Electrostatic. R. H. Turner. 2,651,287, Sept. 8.
Coating apparatus for making pressure-sensitive tape. M. H. Kemp. 2,646,770, July 28.
Coating applying machine, Centrifugal. A. Bauer. 2,643,636, June 30.
Coating articles. W. A. Starkey. 2,632,716, Mar. 24.
Coating articles with an olefin-sulfur dioxide resin. J. F. Howe. 2,637,664, May 5.
Coating by evaporating metal under vacuum. E. E. Chadsey, Jr. 2,635,579, Apr. 21.
Coating ceramic and masonry products. A. H. Russell. 2,657,153, Oct. 27.
Coating composition and fire resistant building element coated therewith. J. R. Parsons, M. C. Higgs, and M. A. Loos. 2,640,786, June 2.
Coating composition and making the same, Fire-resistant. L. W. Eckert. 2,632,742, Mar. 24.
Coating composition comprising a polyamide and a phenol-formaldehyde resin dissolved in an aqueous alcohol solution. D. N. Beauchamp. 2,662,865, Dec. 15.
Coating composition, Fire-resistant. L. W. Eckert. 2,632,741, Mar. 24.
Coating composition for fiberboard and the like, Fire-resistant. L. W. Eckert. 2,632,743, Mar. 24.
Coating composition having accelerated drying time and accelerating same. L. E. Klein and A. R. Hempel. 2,658,003, Nov. 3.
Coating composition, Nonglare. E. N. Horn and J. Samko, Jr. 2,651,583, Sept. 8.
Coating composition, Scribable. R. P. Dubusc. 2,662,828, Dec. 15.
Coating compositions. C. L. Betsch and F. H. Detrick. 2,650,909, Sept. 1.
Coating compositions. S. A. Loukomsky. 2,628,208, Feb. 10.
Coating compositions comprising polyethylene and alkyl polysiloxane and making same. W. D. Lawson. 2,655,489, Oct. 13.
Coating containing a carbohydrate, urea formaldehyde and dicyandiamide or melatardant. J. E. Robison. 2,648,641, Aug. 1
Coating control system. J. F. Rockett, J June 2.
Coating cotton fabrics. W. R. Stanton. 2 26.
Coating device. A. Sprung. 2,652,774, Sep
Coating device for coating elongated obj Diamond. 2,649,757, Aug. 25.
Coating device for small articles. W 2,656,558, Oct. 27.
Coating for food containers. A. C. Edga July 21.
Coating for plastics, Antistatic. E. G. Sl Yaeger, and J. Bjorksten. 2,640,817, Ju
Coating liquid applicator. J. A. Kuche Nov. 17.
Coating machine and electrode panel the Spooner. 2,650,565, Sept. 1.
Coating machine, Capacitor. R. L. Martin Dec. 29.
Coating machine for edible products. G. 2,651,286, Sept. 8.
Coating machine for rigid sheet material, Brink. 2,642,030, June 16.
Coating machine, Paper. W. A. Zonner. 2 14.
Coating machine, Printing plate. L. B. Tatusko, and D. R. Pratt. 2,633,823, Apr.
Coating machine, Web. E. J. Worden. 2, 29.
Coating machine with circulating system. 2,649,758, Aug. 25.
Coating material, coated fabric, and produc Kimball. 2,650,170, Aug. 25.
Coating material, Protective. B. G. Bran Aug. 18.
Coating material, Refractory vitreous ce Schofield and L. S. O'Bannon. 2,662,020,
Coating metal articles by dipping in bath molten metal. De Y. Wallace and L 2,642,368, June 16.
Coating metal articles with bituminous mat Fair, Jr. 2,628,173, Feb. 10.
Coating metallic objects, Method and appara Knapp. 2,628,393, Feb. 17.
Coating method and apparatus, Electros Ransburg. 2,658,009, Nov. 3.
Coating method and apparatus for luminesc G. Kuebler and J. B. Hollopetre. 2,643,9
Coating method and apparatus for plasti the like. O. C. Stahl. 2,626,426, Jan. 27.
Coating method and apparatus therefor. Jr., P. J. Clough, and P. Godley, 2nd. 2 23.
Coating mineral granules. P. Teetor and 2,658,838, Nov. 10.
Coating mineral particles. W. A. Kay July 7.
Coating nuts and the resulting product. J H. S. Owens. 2,631,938, Mar. 17.
Coating of ammonium nitrate fertilizer. S 2,644,769, July 7.
Coating of fabrics. H. Gensel and E 2,657,151, Oct. 27.
Coating paper. W. J. Montgomery. Re. 23
Coating paper and product resulting ther Azorlosa. 2,661,308, Dec. 1.
Coating paper web. J. T. Loomer. 2,632,71
Coating paper webs and product thereof. and B. E. Sooy. 2,656,286, Oct. 20.
Coating roofing material. G. A. Fasold an han. 2,661,303, Dec. 1.
Coating sheet material with wax. G. 2,642,366, June 16.
Coating structural surfaces. J. L. Kempthor July 7.
Coating with a coal extract and baking. I. 2,654,676, Oct. 6.
Coating with polyethylene. W. E. Railin Dec. 22.
Coatings for optical elements and applying tive. P. T. Scharf and W. J. Keenan. 2 16.
Coaxial attenuator assembly, Adjustable. 2,643,294, June 23.
Coaxial cable connector. E. G. Werner. 2 26.
Coaxial directional coupler. R. E. Hennin Oct. 27.
Coaxial line connector. R. B. Muchmore. 2 15.
Coaxial-line switch. J. A. Nelson. 2,662,
Coaxial line terminating device. G. L. Raga 2,646,549, July 21.
Coaxial resonant line coupling means. K. R. Spangenberg, and H. M. Zeidler. 2 22.
Coaxial transmission line filter. P. 2,630,490, Mar. 3.
Coaxial transmission line switch. C. A. D. J. Hilferty. 2,642,495, June 16.

Coaxial variable attenuator switch. D. E. Rowe. 2,638,503, May 12.
Cobalt magnesia-kieselguhr catalyst. J. W. Teter and L. E. Olson. 2,658,041, Nov. 3.
Cobalt phthalocyanine-acetic acid and chlorinated derivatives thereof. F. Muehlbauer. 2,648,674, Aug. 11.
Cobbler's nippers. T. E. Peterson. 2,629,114, Feb. 24.
Cocking mechanism for double barrel upward tilting breech firearms. D. S. Foote and E. S. Atwell. 2,641,077, June 9.
Cockpit sealing system. R. C. Horne and D. F. Stoddard. 2,638,292, May 12.
Coconut product. P. L. Welker, R. J. Boddington, and S. J. Woodruff. 2,631,104, Mar. 10.
Code communication system. N. B. Coley. 2,626,314, Jan. 20.
Code converter, Telegraphic. L. M. Weir and C. J. Weir, Jr. 2,640,876, June 2.
Code detecting apparatus. C. E. Staples. 2,654,081, Sept. 29.
Code following relay. A. Hufnagel. 2,659,786, Nov. 17.
Code keying system. J. Kaye. 2,658,946, Nov. 10.
Code recognition system. W. R. Ayres and J. N. Smith. 2,648,829, Aug. 11.
Coded card segregating means. F. L. Walker, Jr., and W. E. Story, Jr. 2,645,226, July 14.
Codeinone, dihydrocodeinone, and dihydromorphinone, Preparing. A. H. Homeyer and G. B. De La Mater. 2,654,756, Oct. 6.
Coder device, Electron tube. J. A. Ville, A. P. Pages, and P. A. Herreng. 2,646,548, July 21.
Coding and signaling system. P. G. Edwards and A. V. Wurmser. 2,651,678, Sept. 8.
Coffee balance. C. B. Encrett. 2,636,724, Apr. 28.
Coffee brewing apparatus, Home. S. H. Sacker. 2,654,306, Oct. 6.
Coffee dispenser. W. A. Stockdale. 2,639,837, May 26.
Coffee maker. L. Burgess. 2,649,041, Aug. 18.
Coffee maker. C. J. Forschner. 2,660,948, Dec. 1.
Coffee maker. J. F. Joy. 2,631,522, Mar. 17.
Coffee maker. J. W. McNairy. 2,657,299, Oct. 27.
Coffee maker. E. M. Miller. 2,626,342, Jan. 20.
Coffee maker. N. Sharaf. 2,630,061, Mar. 3.
Coffee maker. P. E. Willman. 2,641,681, June 9.
Coffee maker, Automatic. R. B. Bell. 2,655,859, Oct. 20.
Coffee maker, Automatic. I. Jepson. 2,651,707, Sept. 8.
Coffee maker, Automatic. M. S. Johnson. 2,663,248, Dec. 22.
Coffee maker, Automatic. P. J. Kircher. 2,658,134, Nov. 3.
Coffee maker, Automatic water-controlled electric drip. A. C. Wilcox. 2,641,991, June 16.
Coffee maker, Steam. C. Grado. 2,637,266, May 5.
Coffee, Preparing. J. R. Stein. 2,626,558, Jan. 27.
Coffee substitute, Producing a. J. H. Zachary. 2,639,236, May 19.
Cog drive. R. N. Shields. 2,662,415, Dec. 15.
Coil, Adjustable focusing. C. E. Walton. 2,648,036, Aug. 4.
Coil assembly, Variable. W. L. Vervest and G. van Gelder. 2,663,849, Dec. 22.
Coil container. F. R. Schaefer. 2,628,714, Feb. 17.
Coil containers, Making. F. R. Schaefer. 2,628,463, Feb. 17.
Coil for tankless water heaters. A. J. Donohue. 2,642,849, June 23.
Coil form fastener. H. W. Kost. 2,658,248, Nov. 10.
Coil grinding equipment. W. K. Lowe. 2,633,677, Apr. 7.
Coil handling apparatus. J. S. Burge, R. M. Goodwin and H. J. McKee. 2,635,767, Apr. 21.
Coil holder. A. L. Winkler. 2,654,550, Oct. 6.
Coil, Inductance. V. E. Legg and C. D. Owens. 2,659,057, Nov. 10.
Coil loading car. F. M. Littell. 2,634,091, Apr. 7.
Coil magazine and container, Endless. W. C. Eddy. 2,631,034, Mar. 10.
Coil mounting clip. W. H. Churchill. 2,632,615, Mar. 24.
Coil spring compressing device. W. B. Perkins. 2,652,625, Sept. 22.
Coil stock holding and feeding device. J. Haller. 2,630,277, Mar. 3.
Coil unreeler. G. Stanius. 2,637,509, May 5.
Coil winding. B. B. Scott, Jr. 2,639,097, May 19.
Coil-winding apparatus. G. Stevens. 2,650,768, Sept. 1.
Coil winding, Electrical. W. B. Weis. 2,632,602, Mar. 24.
Coil winding, Method and apparatus for. W. P. Hunsdorf. 2,632,603, Mar. 24.
Coiler, Spring. E. H. Hoelsch. 2,655,973, Oct. 20.
Coiling and coating flat metal stock and the article formed thereby. C. Field. 2,629,673, Feb. 24.
Coiling drum, Linoleum. F. E. Maxwell. 2,628,789, Feb. 17.
Coiling head for electrically contacting insulated cable, Collapsible. E. D. Hanson. 2,624,771, Jan. 6.
Coin-actuated article dispensing package. E. D. Angell. 2,629,476, Feb. 24.
Coin box loader. H. L. Neilsen. 2,646,055, July 21.
Coin changer. L. F. Hehn. 2,655,243, Oct. 13.
Coin changer. D. A. Piano. 2,640,575, June 2.
Coin changer and coin control device. E. R. May. 2,629,477, Feb. 24.
Coin collection display device. L. E. Van Lahr. 2,629,546, Feb. 24.
Coin collector. J. D. Smith. 2,628,772, Feb. 17.
Coin container. H. L. Neilsen. 2,643,762, June 30.
Coin control. W. M. Burnside. 2,627,961, Feb. 10.
Coin-control and circuit therefor, Plural switch. S. May. 2,627,962, Feb. 10.
Coin-control mechanism for vending machines. W. G. Parrish. 2,628,698, Feb. 17.
Coin controlled apparatus. H. J. Dolman. 2,635,731, Apr. 21.
Coin-controlled apparatus and change maker. M. G. Nelsen. 2,627,963, Feb. 10.
Coin controlled device. J. A. Fremon. 2,646,154, July 21.
Coin-controlled device, Mechanical. C. H. Dixon. 2,633,961, Apr. 7.
Coin-controlled mechanism. H. S. Childers. 2,648,417, Aug. 11.
Coin-controlled mechanism. H. B. Stoner, E. Parre, and G. Rogers. 2,655,244, Oct. 13.
Coin controlled mechanism, Multiple. W. Wellstein. 2,628,198, May 12.
Coin delivery chute. L. C. Galoich. 2,636,586, Apr. 28.
Coin dispenser. J. H. Smith and R. S. Barrett. 2,624,351, Jan. 6.
Coin ejector for coin-operated timing mechanism. A. R. Dahlberg, R. T. Larson, and R. M. Chapman. 2,647,608, Aug. 4.
Coin-handling apparatus. R. F. Broussard. 2,633,960, Apr. 7.
Coin holder. G. Blendinger. 2,626,098, Jan. 20.
Coin holder. H. S. Brown. 2,644,471, July 7.
Coin holder. C. J. Donovan. 2,650,699, Sept. 1.
Coin holder. A. A. Hultberg. 2,654,376, Oct. 6.
Coin holder. D. G. Krauss. 2,653,703, Sept. 29.
Coin hopper and chute. E. C. Ingraham. 2,642,073, June 16.
Coin loss preventer. L. Michaels. 2,642,170, June 16.
Coin magazine for coin-controlled locks. H. L. Belmel. 2,634,848, Apr. 14.
Coin novelty meter. F. G. Castner. 2,650,698, Sept. 1.
Coin-operated ticket dispenser. C. G. Cerna and A. L. Aguirre. 2,634,844, Apr. 14.
Coin operating mechanism. F. H. Hunter. 2,647,607, Aug. 4.
Coin selector. L. F. Hehn. 2,630,200, Mar. 3.
Coin selector. L. Steiner. 2,632,547, Mar. 24.
Coin separating and counting machine. J. C. Seckula, Sr. 2,635,730, Apr. 21.
Coin sorter control mechanism. A. R. Buchholz. 2,642,881, June 23.
Coin sorting and counting machine. A. R. Buchholz. 2,642,882, June 23.
Coin till. B. K. Slonneger. 2,636,595, Apr. 28.
Coin-wrapping device. J. Scheidt and L. A. Teegardin. 2,641,096, June 9.
Coincidence circuit. L. F. Wouters. 2,625,653, Jan. 13.
Coincidence indicator. E. A. Goldberg. 2,632,845, Mar. 24.
Coke, Manufacture of. S. W. Martin. 2,640,016, May 26.
Coke oven buckstay structure. C. Otto. 2,641,575, June 9.
Coke-oven by-product recovery. G. L. Eaton. 2,649,403, Aug. 18.
Coke-oven by-product recovery. G. L. Eaton. 2,649,405, Aug. 18.
Coke-oven by-product recovery. T. G. Reynolds. 2,649,404, Aug. 18.
Coke oven construction. D. Petit. 2,637,685, May 5.
Coke oven-door frame. E. Wolff. 2,658,865, Nov. 10.
Coke remover for tar and petroleum stills and the like. C. A. Lewis. 2,659,916, Nov. 24.
Coking a mixture of a carbonaceous material and a high boiling bituminous pitch. W. T. Brown. 2,656,309, Oct. 20.
Coking apparatus. A. H. Schutte. 2,658,031, Nov. 3.
Coking in a fluidized state. E. R. Clouse and R. C. Woerner. 2,624,697, Jan. 6.
Colander. H. E. Hoagland. 2,663,428, Dec. 22.
Cold bending sheet metal, Means and method of. A. L. Schoellerman. 2,649,128, Aug. 18.
Cold cathode and preparing same. J. Morrison, Jr. 2,631,945, Mar. 17.
Cold cathode discharge tube. M. W. Wallace. 2,642,548, June 16.
Cold cathode gaseous discharge devices and circuits therefor. M. A. Townsend. 2,627,053, Jan. 27.
Cold cathode illuminating assembly and insulator housing therefor. S. C. Miller. 2,651,024, Sept. 1.
Cold coining. L. E. Ressegger. 2,644,352, July 7.
Cold extruding a projectile with a rotating band. H. G. Towner. 2,663,068, Dec. 22.
Cold formed bimetallic shape, Making a. W. L. Keene. 2,653,117, Sept. 22.
Cold milling soap and other materials, Method and apparatus for. D. E. Marshall, J. A. Harrington, and R. L. Crane. Re. 23,760, Dec. 29.
Cold plate with means to prevent condensation. J. F. I. Ingvardsen. 2,640,329, June 2.
Cold-rollable paving mix. B. A. Anderton. 2,629,669, Feb. 24.
Cold separation of gaseous mixtures. A. Etienne. 2,653,455, Sept. 29.

Cold wave curling rod. E. W. Carper. 2,625,940, Jan. 20.
Collapsible and portable high chair. A. Li Calsi. 2,664,143, Dec. 29.
Collapsible ballot receptacle. R. R. Miller. 2,649,244, Aug. 18.
Collapsible boring tool. J. A. Clyde. 2,661,639, Dec. 8.
Collapsible box. H. L. Metzger. 2,657,851, Nov. 3.
Collapsible chair. R. L. Watson. 2,650,652, Sept. 1.
Collapsible closure. T. Schaap. 2,655,211, Oct. 13.
Collapsible clothes drier. J. F. Campion. 2,644,592, July 7.
Collapsible container. A. E. Brickman. 2,632,578, Mar. 24.
Collapsible container. M. G. Burrows. 2,643,788, June 30.
Collapsible container. M. D. Walklet. 2,640,620, June 2.
Collapsible container. E. Zellweger. 2,630,234, Mar. 3.
Collapsible covered container. K. T. Buttery. 2,645,404, July 14.
Collapsible display and lecture stand. J. De Jen. 2,638,300, May 12.
Collapsible display rack. W. B. Turner. 2,626,059, Jan. 20.
Collapsible dumping box. F. H. Stoner. 2,658,647, Nov. 10.
Collapsible fish box. G. E. Bombarger. 2,661,116, Dec. 1.
Collapsible fluid container. E. H. Land. 2,634,886, Apr. 14.
Collapsible hinged table. J. W. Belger. 2,639,523, May 26.
Collapsible infant carrier. A. E. Lash. 2,640,712, June 2.
Collapsible ironing board. R. E. Johnson. 2,650,442, Sept. 1.
Collapsible ironing board. A. Kmonk. 2,630,639, Mar. 10.
Collapsible rack. S. B. Christenson. 2,652,930, Sept. 22.
Collapsible reclining chair. S. Heyman. 2,659,416, Nov. 17.
Collapsible stacking receptacle. C. C. Averill. 2,660,328, Nov. 24.
Collapsible stand. R. G. Bode. 2,642,247, June 16.
Collapsible stand. M. P. Walzak. 2,640,294, June 2.
Collapsible supporting frame. F. W. Coffing. 2,640,534, June 2.
Collapsible table. R. Elliott and E. A. Wisseman. 2,635,842, Apr. 21.
Collapsible tube capping mechanism. H. A. Drew. 2,656,965, Oct. 27.
Collapsible tube dispenser. H. J. and E. A. Fogarty. 2,656,069, Oct. 20.
Collapsible tubular container. A. Taylor. 2,636,644, Apr. 28.
Collapsible wall table. F. R. Sieminski. 2,650,145, Aug. 25.
Collapsible wheeled vehicle. A. H. B. Quist. 2,657,069, Oct. 27.
Collapsibly mounted condenser. G. A. Gruss and A. A. Sobieski. 2,637,179, May 5.
Collar and like garment parts. B. Liebowitz. 2,639,434, May 26.
Collar and necktie, Combination. R. and E. Naftali. 2,645,777, July 21.
Collar and tie guide and holder. L. C. Churchill. 2,636,179, Apr. 28.
Collar attachment. J. W. Less. 2,639,435, May 26.
Collar fastener. C. H. McVey. 2,629,616, Feb. 24.
Collar fastener and tie clasp. E. Harrow. 2,663,060, Dec. 22.
Collar for bowl covers, Adjustable. C. H. Thompson. 2,632,934, Mar. 31.
Collar for drill pipes, Protective. W. J. Williams and J. W. E. Hanes. 2,628,134, Feb. 10.
Collar for drill pipes, Protective. W. J. Williams and J. W. E. Hanes. 2,657,101, Oct. 27.
Collar for recessed lighting fixtures, and other uses. S. L. Beber and J. H. Feig. 2,630,235, Mar. 3.
Collar for respirators, Adjustable head-end. E. C. Nickles. 2,630,799, Mar. 10.
Collar holder. O. Gavrilovich. 2,639,436, May 26.
Collar protector. M. C., M. L., and R. E. Powers. 2,633,576, Apr. 7.
Collar protector. R. B. Smith. 2,637,034, May 5.
Collar protector for soft shirts. J. W. Steele. 2,630,949, Mar. 10.
Collar retaining device. M. Oulouhojian. 2,651,782, Sept. 15.
Collar, Shirt. R. W. McCreery. 2,651,043, Sept. 8.
Collar, Shirt. J. Persin. 2,655,661, Oct. 20.
Collar stay. C. A. Doric. 2,654,889, Oct. 13.
Collar stay, Adjustable. F. L. Sharp and C. L. Levtwyler. 2,659,892, Nov. 24.
Collar stay, Rolled. E. Heuman. 2,656,542, Oct. 27.
Collar stiffener. J. A. Armstrong. 2,643,387, June 30.
Collar, Sun-reflecting. S. Friedberg. 2,626,609, Jan. 27.
Collar support. C. A. Calder. 2,648,470, Aug. 11.
Collar support. O. E. Nichols. 2,627,605, Feb. 10.
Collar support. J. B. Ransom. 2,655,295, Oct. 13.
Collar support for four-in-hand neckties. M. Spiegler and H. Honig. 2,632,170, Mar. 24.
Collar, Two-way shirt. B. Liebowitz. 2,629,872, Mar. 3.
Collared shafts, Making. C. A. Matheny and W. J. Myers. 2,650,418, Sept. 2.
Collars, Method and apparatus for making. B. Liebowitz. 2,639,841, May 26.
Collars, Method and apparatus for the man... B. Liebowitz. 2,639,842-3, May 26.
Collating machine. W. H. Smith. 2,629,590...
Collating writing board. D. M. Lontz. 2,640...
Collator sheet ejecting means. H. B. Dixon an... 2,624,571, Jan. 6.
Collect chuck. M. E. Toelcke. 2,660,441, N...
Collecting electrode. S. G. Andres. 2,631,6...
Collecting, transporting, and dumping equipm... Jones. 2,626,069, Jan. 20.
Collector plug for bus bar duct systems. A... 2,659,874, Nov. 17.
Collector ring assembly. W. F. Ducksteln... Apr. 7.
Collector ring assembly. C. W. Steward... Apr. 7.
Collector structure for axial flow rotary gas... L. R. Wosika. 2,628,767, Feb. 17.
Collet, Double-acting. R. F. Bronson. 2,631,...
Collimating optical sight. A. D. Robbins... July 14.
Collision unit. J. L. Elam. 2,645,267, July 14...
Colloid silver halide emulsions containin... Making. J. D. Overman. 2,628,167, Feb...
Colloidal flavonol system. C. F. Krewson... May 5.
Colloidal sulfur process. S. C. Carney. 2,6... 28.
Colonic-vaginal irrigator. E. Sokolik. 2,644...
Color analyzing and synthesizing device. H... 2,641,853, June 16.
Color chart. T. J. Mulrane. 2,629,185, Feb...
Color control grid structure for cathode... E. O. Lawrence. 2,653,263. Sept. 22.
Color correction of multicolor film by integr... masking images. K. O. Ganguin, N. H. H... E. Macdonald. 2,663,638. Dec. 22.
Color couplers containing isophthalic acid ra... McCrossen, S. M. Parmerter, and A... 2,652,329, Sept 15.
Color filter for photographic enlargers, Adjus... A. Simmon. 2,627,786, Feb. 10.
Color-kinescopes, etc., Making. H. B. Law... Jan. 20.
Color lighting control system. R. G. Williams... July 7.
Color micro-facsimile system. A. N. Goldsmith... Nov. 3.
Color phasing system. A. N. Goldsmith... Feb. 3.
Color photographic film and process. G... and R. R. Robinson. 2,647,833. Aug. 4.
Color photographic images, Production of. P... 2,653,874, Sept. 29.
Color pulse selector circuit. R. A. Maher... Pfitzer. 2,652,491, Sept. 15.
Color radiography. B. M. Fine. 2,644,096...
Color removal from esters. F. Dean. 2,647...
Color reproduction. H. J. Selling. 2,656,...
Color stabilization of fuel oils. E. C. Dalgl... Aug. 25.
Color stabilizers. E. L. Walters. 2,637,63...
Color television. J. W. Christensen. 2,645,...
Color television. H. G. Lubszynski and R... 2,661,392. Dec. 1.
Color television picture tube. J. A. Rajchman... July 21.
Color television receiver. A. Lesti. 2,657,...
Color television receiving system. F. M... 2,660,612, Nov. 24.
Color television reproducing system. P... 2,650,264, Aug. 25.
Color television rotating filter drive circuit... D. S. Oliver, and F. L. Wedig, Jr. 2,644,...
Color television screen with correction f... C. W. Geer. 2,629,838, Feb. 24.
Color television, Subtractive. A. N. Goldsmith... July 21.
Color television system. A. V. Bedford... Oct. 27.
Color television system. W. T. Wintringham... Oct. 27.
Color television tube. S. Pakswer. 2,635,20...
Color wheel for television. J. W. Jones. 2,6... 29.
Colored embossed emblems, Making. F... 2,625,064, Jan. 13.
Colored gelatin capsules, Making. F. E. Stirn... Jan. 6.
Colored photographs, Producing. P. Raibouni... Feb. 17.
Colorimeter. A. L. M. A. Rouy. 2,630,735...
Coloring board. C. H. Lanning. 2,660,98...
Coloring hydrophobic fiber. J. W. Gibson, Jr... Dec. 22.
Coloring nylon fiber. J. W. Gibson, Jr... Dec. 22.
Coloring woven glass fibers. C. L. Lawsberg... July 14.
Colostomy appliance. E. F. Nelson. 2,634,...
Colostomy appliance with a removable ad... T. Fazio. 2,639,710, May 26.
Colostomy device. C. M. Baron. 2,652,055,...

Colostomy unit. G. McConnell. 2,656,838, Oct. 27.
Colter for two-way plows, Reversible. J. G. Lindeman. 2,637,256, May 5.
Comb. R. Bührer. 2,630,126, Mar. 3.
Comb. C. L. Collison. 2,626,618, Jan. 27.
Comb. J. J. Lazicki. 2,638,100, May 12.
Comb. B. Ulvad. 2,655,925, Oct. 20.
Comb and powder applicator, Combined. D. K. Twiet. 2,647,490, Aug. 4.
Comb and scissors, Combined. A. L. Boegehold. 2,629,171, Feb. 24.
Comb attachment for hair clippers. A. Giorgi. 2,624,113, Jan. 6.
Comb, Barber's. F. Bauer. 2,661,007, Dec. 1.
Comb box mechanism. M. W. Odom. 2,653,354, Sept. 29.
Comb, brush, and hair receiver, Combination. D. Winchester and E. K. Lotthammer. 2,663,303, Dec. 22.
Comb for musical instruments. O. R. Nemeth. 2,634,649, Apr. 14.
Comb, Fountain. M. O. Decker. 2,645,231, July 14.
Comb, Fountain. C. I. Matson. 2,624,348, Jan. 6.
Comb, Hairdressing. W. J. Servilla. 2,636,498, Apr. 28.
Comb, Hair-trimming. W. H. Ream. 2,624,937, Jan. 13.
Comb, Powder dispensing. J. L. Sullivan. 2,626,617, Jan. 27.
Comb, Sectional. G. F. Benco. 2,664,092, Dec. 29.
Comb, Trimming. H. L. Wietzel. 2,650,421, Sept. 1.
Comb with scissors rest. M. L. Boyer. 2,638,907, May 19.
Comb with self-contained curling device. W. Raphael. 2,636,497, Apr. 28.
Combing machine for working textile fibers founded on the Heilmann principle, Rectilinear. C. Schleifer. 2,663,053, Dec. 22.
Combing machine of the rectilinear type. J. Gressel. 2,655,696, Oct. 20.
Combing machine, Wool. L. P. Miller. 2,661,502, Dec. 8.
Combing means and making and using same. R. Ferguson. 2,633,606, Apr. 7.
Combination beam and shoring clamp. W. H. Clark. 2,638,063, May 12.
Combination carpenter's tool. E. L. Graham. 2,624,544, Jan. 6.
Combination child's chair. C. H. Armstrong. 2,633,899, Apr. 7.
Combination controlled night latch. E. M. Miller. 2,645,925, July 21.
Combination curtain, shade, and drapery bracket. D. M. McGowan. 2,655,336, Oct. 13.
Combination dimmer and direction switch. P. L. Franck. 2,639,339, May 19.
Combination door and jamb gauge. W. C. Cassady. 2,653,388, Sept. 29.
Combination door lock. M. Margo. 2,640,344, June 2.
Combination drinking glass and dish holder. L. W. Van Haften and G. D. Hanby. 2,657,891, Nov. 3.
Combination fueling and relief valve. J. C. Carter. 2,639,730, May 26.
Combination HF treating catalytic cracking process. A. P. Lien and E. L. Evering. 2,643,971, June 30.
Combination holder. R. Osaka. 2,658,544, Nov. 10.
Combination horizontally and vertically swinging gate. W. J. Barnard. 2,662,320, Dec. 15.
Combination invalid stretcher carrier. C. C. Nichols. 2,627,611, Feb. 10.
Combination jar and safety joint. E. S. Reynolds. 2,626,781, Jan. 27.
Combination knee and ankle joint. R. W. McKendrick. 2,643,391, June 30.
Combination lock. H. C. Behrens. 2,645,923, July 21.
Combination lock. H. C. Behrens. 2,656,705, Oct. 27.
Combination lock. H. C. Behrens. 2,658,374, Nov. 10.
Combination lock. M. D. Bennett and F. T. Zizzi. 2,660,873, Dec. 1.
Combination lock. P. G. Coleman. 2,635,449, Apr. 21.
Combination lock. H. B. Syler. 2,655,026, Oct. 13.
Combination lock with tumbler upsetting mechanism. O. H. Elfert and H. S. Thomas, Jr. 2,625,032, Jan. 13.
Combination minnow bucket and trap. H. F. Runkle. 2,629,201, Feb. 24.
Combination of an electric switch and air core reactor for protecting electrical equipment from excessive fault currents. J. D. Leitch. 2,626,377, Jan. 20.
Combination of at least two condensers electrically connected in parallel. R. D. Bügel, G. H. Jonker, and J. H. van Santen. 2,642,476, June 16.
Combination oil-gas fired conversion burner. E. A. Norman, Jr. 2,655,987, Oct. 20.
Combination-operated mechanism. E. S. Giffin. 2,640,346, June 2.
Combination package. G. T. Pfeifer. 2,652,148, Sept 15.
Combination photographic and magnetic sound record and producing same. D. L. Blaney. 2,657,932, Nov. 3.
Combination pressure relief, vacuum relief, and dump valve. R. W. Jensen. 2,641,985, June 16.
Combination rocking and swiveling chair. L. R. Slyter and T. C. Maule. 2,625,983, Jan. 20.
Combination storage and dispensing rack. T. F. Vollten. 2,653,850, Sept. 29.
Combination tube working tool and reamer. R. D. McIntosh. 2,630,028, Mar. 3.
Combination vacuum and compression pump. N. D. Shurson. 2,634,047, Apr. 7.
Combination vacuum and solenoid operated valve. H. Wright. 2,652,855, Sept. 22.
Combination vehicular and portable food and beverage container. M. Gottsegen and H. N. Stein. 2,645,392, July 14.
Combination water and room heater. H. L. Severance. 2,658,502, Nov. 10.
Combination water and space combustion heater. B. H. Losching. 2,654,361, Oct. 6.
Combination water inlet and soap dispenser for washing machines. T. T. Woodson. 2,643,537, June 30.
Combine chaffer. E. G. Gustafson. 2,649,760, Aug. 25.
Combine having side hill platform adjustments. M. Long. 2,654,207, Oct. 6.
Combine, Self-propelled. L. E. Oberholtz and G. Allen. 2,644,284, July 7.
Combined compression relief and carburetor control for internal-combustion engines. F. M. Friedlob. 2,625,924, Jan. 20.
Combined foot and bedcover support. W. L. Nelson. 2,655,668, Oct. 20.
Combined guide and table structure. H. J. Waechter. 2,657,051, Oct. 27.
Combined service and auxiliary disk brake. R. R. Zindler. 2,633,941, Apr. 7.
Combined shut-in and back circulation tool. M. O. Johnston. 2,661,802, Dec. 8.
Combined slide fastener. O. D. Philips. 2,637,086, May 5.
Combined starter and ignition switch. R. W. Hept and N. H. Weber. 2,663,780, Dec. 22.
Combined starting and protective switch. V. G. Vaughan, R. G. Mawney, and J. A. Bagnall. 2,640,124, May 26.
Combined tool for machining guide ribs. A. F. Hedberg and E. Langner. 2,624,243, Jan. 6.
Combined type garment hanger. A. Reguitti. 2,662,674, Dec. 15.
Combining frequencies, Means for. C. E. McClellan. 2,626,357, Jan. 20.
Combining synthetic resins and other materials with cellulose. D. K. Pattilloch. 2,658,828, Nov. 10.
Combustion apparatus. H. C. May and E. E. Hewitt. 2,658,462, Nov. 10.
Combustion apparatus. S. O. Wernheim. 2,633,120, Mar. 31.
Combustion apparatus for an air stream and propulsive system. M. L. Nathan. 8,637,974, May 12.
Combustion apparatus for furnaces. W. Ferguson. 2,659,424, Nov. 17.
Combustion apparatus using preheated air. C. Cone and W. H. Dailey, Jr. 2,639,910, May 26.
Combustion apparatus using preheated air. W. M. Hepburn. 2,627,398, Feb. 3.
Combustion apparatus with ignition means therefor. W. D. Pouchot. 2,640,321, June 2.
Combustion cell gas burner. E. E. Tavener. 2,646,113, July 21.
Combustion chamber. S. L. Fitzpatrick. 2,654,350, Oct. 6.
Combustion chamber. H. L. Mohn. 2,628,670, Feb. 17.
Combustion chamber and air inlet baffle, Gas fueled. C. W. Sievert. 2,642,127, June 16.
Combustion chamber, flame tube, and the like, Sheet metal. W. Bonsall. 2,658,339, Nov. 10.
Combustion chamber for fluid fuel burning in an air stream of high velocity. R. Leduc. 2,647,369, Aug. 4.
Combustion chamber for gaseous fuels. M. F. Berry. 2,638,975, May 19.
Combustion chamber for internal-combustion engines. K. V. Anderson. 2,644,433, July 7.
Combustion chamber for prime movers. J. S. Clarke and A. Huyton. 2,658,337, Nov. 10.
Combustion chamber for propulsion apparatus and having multiple discharge nozzles. R. H. Goddard. 2,633,700, Apr. 7.
Combustion chamber for rocket apparatus, Two-liquid. R. H. Goddard. 2,654,997, Oct. 13.
Combustion chamber, Gas turbine. R. Boninsegni. 2,654,996, Oct. 13.
Combustion chamber, Gas turbine. G. B. Hodgson. 2,651,913, Sept. 15.
Combustion chamber having a flat wall liner with oppositely disposed apertures. R. K. Kidd. 2,644,302, July 7.
Combustion chamber having a series of expansion chambers. R. Hurtaj. 2,645,898, July 21.
Combustion chamber, Metal. T. Zaba. 2,654,219, Oct. 6.
Combustion chamber of internal-combustion engines. W. Layland. 2,659,355, Nov. 17.
Combustion chamber pressure indicator. T. C. Van Degrift, C. W. Gadd, and R. S. Matsen. 2,652,517, Sept. 15.
Combustion chamber, Two-cycle. S. M. Udale. 2,655,906, Oct. 20.
Combustion chamber with arcuate walls defining an air flow path between chambers, Circumferentially arranged. R. M. Williams and G. F. Wislicenus. 2,627,720, Feb. 10.
Combustion chamber with target recess for use in rocket apparatus. R. H. Goddard. 2,633,706, Apr. 7.
Combustion chamber with variable area primary air inlet, Gas turbine. E. D. Brown. 2,655,787, Oct. 20.

Combustion chambers for gas turbines with diverse combustion and diluent air paths. M. H. L. Sédille and R. Anxionnaz. 2,630,679, Mar. 10.
Combustion control apparatus, Pressure responsive. W. L. Richi. 2,642,128, June 16.
Combustion control device for sole-fired horizontal coke ovens. C. H. Hughes. 2,640,805, June 2.
Combustion control system. G. A. Peple, Jr. 2,659,324, Nov. 17.
Combustion engine power control apparatus. A. B. Chudyk and R. J. Kutzler. 2,652,896, Sept. 22.
Combustion means for jet propulsion units. I. T. Rosenlund. 2,627,721, Feb. 10.
Combustion of liquid fuel. F. J. Battershill. 2,663,559, Dec. 22.
Combustion of liquid fuel, vaporization of liquids, and mixing of gaseous fluids, Process of and apparatus for. E. T. Bleecker. 2,657,745, Nov. 3.
Combustion severity indicator. L. E. Hebl. 2,630,009, Mar. 3.
Combustion stabilization means for high-velocity air streams having a pilot burner and a streamline igniter grill. W. Brzozowski. 2,625,795, Jan. 20.
Combustion stabilization means having igniter grill heated by pilot burner. W. Brzozowski. 2,632,300, Mar. 24.
Combustion system for pulverulent fuel. H. A. Havemann. 2,635,564, Apr. 21.
Combustor and cooling means therefor. R. W. Abbott. 2,651,912, Sept. 15.
Combustor for high flow velocities. B. Szczeniowski. 2,635,424, Apr. 21.
Combustor igniter cup which becomes incandescent from combustion therein. T. G. McDougal. 2,648,951, Aug. 18.
Comfort for colostomy pouches, Sanitary. A. D. Priebe. 2,662,525, Dec. 15.
Comminuting machine with opposed and axially oscillated rotors. E. W. Smith. 2,630,274, Mar. 3.
Comminuting solid particles, Method and means for. G. A. Fink. 2,628,785, Feb. 17.
Commode, Bed. A. J. Shudde. 2,644,957, July 14.
Commode top cover holder. L. W. Boone. 2,659,091, Nov. 17.
Commodity display rack. R. R. Isenhour. 2,638,692, May 19.
Common control for the locking of two machine tool members. M. Pegard. 2,662,265, Dec. 15.
Common timing circuit. E. S. Gibson. 2,630,564, Mar. 3.
Communicating device, Visual. G. W. Ackerman. 2,624,922, Jan. 13.
Communication signal lamp control circuit. B. Ostendorf, Jr., and R. A. Vanderlippe. 2,657,336, Oct. 27.
Communication system. A. W. Borsum and W. W. Brockway. 2,652,556, Sept. 15.
Communication system. R. A. Clark, Jr. Re. 23,751, Dec. 15.
Communication system. R. A. Heising. Re. 23,686, July 14.
Communication system between two stations linked by television. H. G. de France. 2,637,022, Apr. 28.
Communication system employing pulse code modulation. M. E. Mohr. 2,632,147, Mar. 17.
Communication system, High-frequency. G. F. Ziffer. 2,647,993, Aug. 4.
Communication system, Multiplex radiophone. J. H. Homrighous. 2,649,540, Aug. 18.
Communication system, Pulse type multiplex. C. W. Hansell. 2,640,921, June 2.
Communication system utilizing constant amplitude pulses of opposite polarities. E. M. Deloraine, S. V. Mierlo, and B. Derjavitch. 2,629,857, Feb. 24.
Communication transmission line conductor. L. G. Erickson and K. E. Appert. 2,637,783, May 5.
Community automatic exchange networks. P. Bakker. 2,632,813, Mar. 24.
Community laying nest. J. B. Olson. 2,646,022, July 21.
Commutating mechanism for crossbar switches. A. J. Montchausse. 2,664,468, Dec. 29.
Commutator. C. W. Baechler, Jr., and F. N. Reynolds. 2,634,342, Apr. 7.
Commutator. J. Bender, Jr., J. Eberly, and R. Tipple. 2,658,158, Nov. 3.
Commutator. S. E. Gail. 2,652,509, Sept. 15.
Commutator. P. A. Marsal. 2,645,732–3, July 14.
Commutator and forming the same. W. P. Lewis. 2,629,064, Feb. 17.
Commutator, armature, and making the same. W. R. Harry. 2,639,396, May 19.
Commutator blank and making commutators. J. Klym. 2,651,834, Sept. 15.
Commutator connection for dynamoelectric machines. J. W. Clokey and E. M. Laughner. 2,660,682, Nov. 24.
Commutator for dynamoelectric machines. C. A. Nichols, C. L. Clevenger, F. L. Zion, and W. A. Fletcher. 2,648,022, Aug. 4.
Commutator forming and assembling machine. K. W. Klinksiek. 2,638,661, May 19.
Commutator machine, Low-frequency two-phase. G. Thielers and E. Sjökvist. 2,652,508, Sept. 15.
Commutator tube device. L. Batchelder. 2,654,040, Sept. 29.
Commutator with self-wedging retaining rings. W. F. King. 2,660,683, Nov. 24.
Commutators, Making. A. Callsen and A. [illegible] 2,634,495, Apr. 14.
Compact and similar article. C. J. Cowan. June 16.
Compact filling machine operated by foldable lin[illegible] and R. J. Goldberg. 2,663,476, Dec. 22.
Compact, General utility. A. Mosch. 2,630,21[illegible]
Compacting machine, Asphalt. J. H. Lucas. Nov. 17.
Compacting machine for heavy leather. R. W[illegible] Jr., and J. J. Maciejowski. 2,663,179, Dec. [illegible]
Comparator. B. F. Wojcik. 2,663,946, Dec. 2[illegible]
Comparator for assisting in the identification of [illegible] stains, colors, or the like. G. A. Yale. Aug. 4.
Comparator for collocating a cutter in a boring l[illegible] Arp. 2,625,749, Jan. 20.
Comparator having magnetically coupled indica[illegible] Krause. 2,636,278, Apr. 28.
Comparator, Three-dimensional map model acc[illegible] Merriam. 2,643,576, June 30.
Comparing and assorting device for pairs of pu[illegible] G. H. Wallace. 2,661,841, Dec. 8.
Comparing electric signals, Method and appa[illegible] S. Feinstein. 2,642,544, June 16.
Comparing two voltages, Means for. A. Hyman. Nov. 10.
Comparted traveling bag. L. Nelson, Jr. Dec. 8.
Compartment bag. E. W. Geckler and J. [illegible] 2,654,527, Oct. 6.
Compartment for automobiles, Clothes. 2,653,741, Sept. 29.
Compartment superimposed on vehicle body, H. A. Cook. 2,645,518, July 14.
Compartmented container. E. A. Bourcart. Dec. 22.
Compartmented container. I. C. Ryder. June 2.
Compartmented container. C. Mytinger. Sept. 1.
Compass assembly, Earth inductor. K. W. [illegible] 2,641,060, June 9.
Compass, Bow. H. A. Kroenlein. 2,637,113,
Compass, Control. G. E. Breeze and R. [illegible] 2,644,243, July 7.
Compass correction system, Gyroscopic. L. [illegible] 2,662,301, Dec. 15.
Compass, dividers, and scriber, Combined [illegible] marking. T. W. Lepkowski. 2,663,936, Dec.
Compass, Ellipsoidal. R. S. Kafka. 2,632,953
Compass, Gun. E. F. White and M. J. [illegible] 2,653,390, Sept. 29.
Compass, Gyromagnetic. I. L. Thomas and G. [illegible] 2,657,471, Nov. 3.
Compass, Integrating. C. L. Otto, Jr. 2,651,84[illegible]
Compass, Magnetic. J. B. Reece and J. P[illegible] 2,638,683, May 19.
Compass set, Beam. C. R. Taylor. 2,627,662
Compass system. C. M. Perkins and A. M. [illegible] 2,633,559, Mar. 31.
Compass, Vehicle. H. A. Rowe. 2,634,702, Ap[illegible]
Compass with universal drive, Control. G. [illegible] 2,634,316, Apr. 7.
Compensated control system. F. A. Schumache[illegible] Tucker. 2,644,314, July 7.
Compensated humidity-measuring circuit. L. [illegible] 2,629,054, Feb. 17.
Compensated pressure gauge. M. C. Tate. May 26.
Compensated thermopile. W. G. Fastie. Re. 2[illegible] 13.
Compensating blast control device. J. S. Hau[illegible] Mengers. 2,624,659, Jan. 6.
Compensating for grinding wheel wear, Meth[illegible] paratus for. E. C. Taylor. 2,652,663, Sept
Compensating for liquid volume variations in[illegible] remote control systems, Means for. R. [illegible] 2,657,536, Nov. 3.
Compensating mechanism connecting reciproc[illegible] ber to a rotating member. E. Zecher. 2,65[illegible] 29.
Compensating metallic thrust ring. P. [illegible] 2,656,227, Oct. 20.
Compensating wheel mounting. G. L. Larison. May 12.
Compensation for the effects of temperature [illegible] fluctuations on scintillation counters, Meth[illegible] paratus for. A. H. Youmans and R. [illegible] 2,659,011, Nov. 10.
Compensator for registering, Adjustable. F. [illegible] 2,638,008, May 12.
Compensator for X-ray systems. R. L. Wright. Jan. 20.
Complementary color blending. R. E. Pike. Dec. 22.
Complementary color blending. R. E. Pike. June 16.
Complex phosphate ester synthetic lubricant. [illegible] Jr., and F. Knoth, Jr. 2,632,767, Mar. 24.
Complex zinc- and silver-ammonia salts of alke[illegible] acids, preparing them, and combating fungi [illegible] M. A. Kise. 2,655,461, Oct. 13.

Compliant supports for transducer diaphragms. L. C. Pocock. 2,646,853, July 28.
Component color separator. A. C. Schroeder. 2,642,487, June 16.
Composing apparatus. J. H. Drillick. 2,663,232, Dec. 22.
Composing machine, Typographical. P. Hilpman and W. J. Bahm. 2,647,620, Aug. 4.
Composing machine, Typographical. R. H. Scott and A. S. Hayward. 2,663,408, Dec. 22.
Composite alloy. T. E. Leontis and R. S. Busk. 2,659,129–37, Nov. 17.
Composite article. H. A. Hussey and D. D. Wright. 2,653,884, Sept. 29.
Composite board, Manufacturing. W. E. Wilson. 2,639,994, May 26.
Composite, consolidated products and apparatus therefor, Making. M. D. MacDonald. 2,658,847, Nov. 10.
Composite fluid and electrical connector. R. E. Darling. 2,634,311, Apr. 7.
Composite linkage. J. E. Dillard. 2,625,838, Jan. 20.
Composite metal, Making. R. E. Kinkead. 2,653,212, Sept. 22.
Composite metal manufacturing apparatus. R. E. Kinkead. 2,631,214, Mar. 10.
Composite metal, Producing. E. J. Guinee. 2,652,624, Sept. 22.
Composite multistage turbomachine rotor. E. L. Robinson and C. M. Gardiner. 2,660,399, Nov. 24.
Composite photography. A. W. Tondreau and F. W. Gage. 2,651,233, Sept. 8.
Composite pump for prime mover oil systems. H. N. Hoffman. 2,625,106, Jan. 13.
Composite sheet material and producing the same. J. S. Fridolph. 2,654,687, Oct. 6.
Composite sintered metal powder article. R. J. Studders. 2,652,520, Sept. 15.
Composite structural material. G. G. Havens. 2,644,777, July 7.
Composite structural member and in the manufacture thereof. P. W. Abeles. 2,645,115, July 14.
Composite stud. R. C. Friedly. 2,663,270, Dec. 22.
Composite wooden board. F. Fahrni. 2,642,371, June 16.
Composition and making the same. B. J. Craig. 2,631,355, Mar. 17.
Composition and method. C. W. Todd. 2,655,447, Oct. 13.
Composition and method for removing hardened silicone resin glazes from metal surfaces. I. J. Duncan. 2,662,837, Dec. 15.
Composition and method of its application to cotton glove fabric. R. N. Russell. 2,637,662, May 5.
Composition and production of alloys. F. A. Miller. 2,659,669, Nov. 17.
Composition, bath, and process for chromium plating. F. Passal. 2,640,021, May 26.
Composition, bath, and process for chromium plating. J. E. Stareck. 2,640,022, May 26.
Composition comprising a polyvinyl chloride resin, a plasticizer, and a viscosity controlling agent. D. X. Klein and M. N. Curgan. 2,657,186, Oct. 27.
Composition containing colloidal methyl ether of methylol melamine and other thermoplastic resins and applying to cellulose textiles. K. E. Folkers. 2,661,262, Dec. 1.
Composition for a planographic image-forming pencil. C. H. Van Dusen, Jr., and O. E. Weissenborn. 2,634,214, Apr. 7.
Composition for and method of solidifying porous masses and structures. L. S. Wertz. 2,655,004, Oct. 13.
Composition for coating fabrics. R. Landau. 2,658,880, Nov. 10.
Composition for coloring margarine. W. E. Barch. 2,652,334, Sept. 15.
Composition for control of coccidial infection. J. E. Johnson, Jr. 2,628,183, Feb. 10.
Composition for laundering textiles and for imparting a whitening effect thereon. R. Thomas. 2,624,710, Jan. 6.
Composition for making bread. R. W. Selman, Jr., and B. G. Carson. 2,654,672, Oct. 6.
Composition for manufacture of sand cores. J. B. Tuttle. 2,659,654, Nov. 17.
Composition for preparing soldered metal surfaces for painting. G. E. Oven and W. Suter. 2,662,838, Dec. 15.
Composition for preventing deposition and corrosion in oil well equipment. C. D. Core and E. N. Jones. 2,658,036, Nov. 3.
Composition for protecting electrical equipment comprising polyvinyl chloride, a pitch, and a plasticizer. J. L. Gonnard and J. E. G. Lahousse. 2,635,085, Apr. 14.
Composition for reconditioning used typewriter ribbons. J. L. Levine. 2,644,766, July 7.
Composition for stiffening paper match splints. H. Ellern. 2,647,048, July 28.
Composition for stimulating the growth of plants. D. Welbel. 2,654,668, Oct. 6.
Composition for testing for glucose in biological fluids. R. M. Carson and R. R. Saeks. 2,659,700, Nov. 17.
Composition for textile finishing. H. L. Snyder, Jr. 2,629,702, Feb. 24.
Composition for treating cloth materials. M. P. Monroe. 2,643,195, June 23.
Composition for treating plants. A. T. Centanni. 2,624,663, Jan. 6.
Composition for use in sand molding. C. B. Shanley. 2,661,298, Dec. 1.
Composition for vulcanizing rubber. E. A. Van Valkenburgh. 2,657,147, Oct. 27.
Composition guide. B. Abbott. 2,626,467, Jan. 27.
Jan. 20.
Composition of a premilled butadieneacrylonitrile copolymer and a nonrubbery thermoplastic synthetic resin. A. F. Sayko and J. R. Briggs. 2,652,384, Sept. 15.
Composition of fluid methyl polysiloxanes. P. J. Chevalier. 2,641,589, June 9.
Composition of glass, especially for fibers. R. L. Tiede and F. V. Tooley. 2,640,784, June 2.
Composition of matter. H. P. Averill and R. Pfanstiel. 2,644,796, July 7.
Composition of matter. R. L. Doerr. 2,640,793, June 2.
Composition of matter. G. Entwistle and H. J. Voss. 2,636,859, Apr. 28.
Composition of matter comprising a butadiene-vinyl-pyridine copolymer and a novolac. L. Y. Kiley. 2,634,250, Apr. 7.
Composition of matter, Diamond-like. W. W. Mitkewich. 2,631,106, Mar. 10.
Composition of matter, Production of. M. Kleiman and A. Goldman. 2,662,922, Dec. 15.
Composition of matter to decrease the circulation of blood and lymph in vascular and allergic disorders. R. R. Widmann. 2,628,184, Feb. 10.
Composition of matter with plastic bonding and making from cresol-formaldehyde, comminuted wood, and sodium silicate. S. Z. Avedikian. 2,652,373, Sept. 15.
Composition roller skate wheel. T. Glynn and J. W. Cleever. 2,664,317, Dec. 29.
Composition tendon support. E. B. Topmiller. 2,647,510, Aug. 4.
Compositions and method for electroplating zinc. A. E. Chester. 2,632,728, Mar. 24.
Compositions and methods of coating glass and coated glass articles. L. D. Shand. 2,661,438, Dec. 1.
Compositions and process for emulsion breaking. W. H. Kirkpatrick. 2,662,859, Dec. 15.
Compositions comprising an acrylonitrile polymerization product and a dioxanone. J. J. Padbury. 2,631,989, Mar. 17.
Compositions comprising bentonite-organic amine compounds in asphalts, tars, or pitches. R. G. Capell. 2,661,301, Dec. 1.
Compositions comprising blends of rubbery and resinous butadiene-styrene copolymers. A. M. Borders. 2,638,462, May 12.
Compositions comprising copolymers of vinylimides and unsaturated alkyd resins and making same. J. B. Rust and W. B. Canfield. 2,650,207, Aug. 25.
Compositions containing a polymer of acrylonitrile and N, N-dimethylacetamide. C. S. Marvel. 2,649,427, Aug. 18.
Compositions containing esters of a glycol and polycarboxylic acids and the treatment of cellulose therewith. W. P. Ericks. 2,629,701, Feb. 24.
Compositions containing polymerized acrylonitrile and solvent therefor. G. F. D'Alelio. 2,648,653, Aug. 11.
Compositions for battery boxes, Making. J. M. McColgan. 2,647,090, July 28.
Compositions for protection of metals against corrosion. A. Wachter and N. Stillman. 2,643,176, June 23.
Compositions for the improvement of fastness properties of dyeings and printings of water-soluble dyestuffs. O. Albrecht. 2,631,920, Mar. 17.
Compositions for tinting hair. F. M. Lipman. 2,645,595, July 14.
Compositions of matter stabilized with isobornyl derivatives. T. H. Newby. 2,628,953, Feb. 17.
Compotier. W. A. Meier. 2,659,222, Nov. 17.
Compound bed cover. E. Lehigh. 2,637,860, May 12.
Compound boring tool. J. J. O'Brien. 2,643,692, June 30.
Compound carburetion system. A. F. Braun. 2,647,502, Aug. 4.
Compound combustion engine. A. C. Peterson. 2,644,295, July 7.
Compound engine. W. G. Lundquist. 2,625,006, Jan. 13.
Compound plant for producing mechanical power and heating steam with gas and steam turbines. L. A. Hermitte and M. H. L. Sedille. 2,633,707, Apr. 7.
Compound pressure pump. H. J. Framhein. 2,659,307, Nov. 17.
Compounded fluoborate chemical surface treatment of aluminum and aluminum alloys. B. W. Floersch. 2,655,439, Oct. 13.
Compounded hydrocarbon oils and addition agents therefor. E. Mitchell. 2,654,708, Oct. 6.
Compounded hydrocarbon oils and addition agents therefor. E. Mitchell and W. B. Morse. 2,654,709, Oct. 6.
Compounding process and product thereof from a mixture of a phenol-formaldehyde resin, butadieneacrylonitrile copolymer, and a nonsolvent hydrocarbon plasticizer. C. F. Fisk and A. W. Meyer. 2,659,706, Nov. 17.
Compounds for altering surface characteristics of liquids. L. O. Gunderson. 2,630,439–40, Mar. 3.
Compounds for fuel mixtures, Production of. C. E. Morrell. 2,626,209, Jan. 20.
Compounds of phosgene, Production of. L. E. Bohl. 2,651,658, Sept. 8.

Compounds with semicyclic double bond, Preparation of. L. Ruzicka and O. Jeger. 2,657,223, Oct. 27.
Compressed air supply system. R. McIntyre. 2,626,100,
Compressed sponges, Making. H. G. Hammon. 2,659,935, Nov. 24.
Compressible means for collapsible tubes. J. Pepin. 2,644,613, July 7.
Compressible tube valve. J. K. Mair and C. J. McNally. 2,660,395, Nov. 24.
Compressing or squeezing device for mops. P. Siegel. 2,644,182, July 7.
Compression ignition engine power plant. J. A. Bennett-Powell. 2,624,849, Jan. 6.
Compression ignition internal-combustion engine. L. O. French. 2,662,510, Dec. 15.
Compression molding plastic materials. J. R. Sucher. 2,652,597, Sept. 22.
Compression riveter switch. H. R. Fischer and J. A. Roberts. 2,658,966, Nov. 10.
Compression tester for determination of fastness to perspiration of dyed textiles. H. E. Millson, H. L. Parsons, and M. J. Babey. 2,630,710, Mar. 10.
Compression type endless film reel. W. C. Eddy. 2,631,035, Mar. 10.
Compressor. A. P. Anderson. 2,628,765, Feb. 17.
Compressor. L. M. Krouse, J. H. Nourse, H. R. Katzmann, and F. A. Howard. 2,637,488, May 5.
Compressor. V. S. Makaroff and A. E. Jackson. 2,643,817, June 30.
Compressor. P. Maniscalco. 2,629,543, Feb. 24.
Compressor. W. W. Paget. 2,650,018, Aug. 25.
Compressor. S. M. Schweller. 2,647,683, Aug. 4.
Compressor. H. L. Simon. 2,650,754, Sept. 1.
Compressor. E. A. Stalker. 2,648,493, Aug. 11.
Compressor. L. K. Warrick and F. E. La Flame. 2,644,635, July 7.
Compressor, Air. E. W. Patterson. 2,654,531, Oct. 6.
Compressor, Air cooled air. A. C. Eaton. 2,663,492, Dec. 22.
Compressor and drive. H. J. Wood. 2,659,247, Nov. 17.
Compressor and fuel control system for high-pressure gas turbine power plants. N. C. Price. 2,653,446, Sept. 29.
Compressor and oil separator, Combined refrigerating. L. F. Clerc. 2,634,904, Apr. 14.
Compressor, Axial-flow. A. Kantrowitz. 2,628,768, Feb. 17.
Compressor clip for hydraulic valve tappets. T. H. Wright. 2,643,447, June 30.
Compressor construction, Axial flow. E. A. Stalker. 2,649,243, Aug. 18.
Compressor control system. J. M. Bartholomew. 2,646,919, July 28.
Compressor, Dual rotor. S. G. House and O. K. Hobbs. 2,655,309, Oct. 13.
Compressor, Engine-driven air. F. J. Neugebauer, H. O. Berkner, and E. O. A. Naumann. 2,628,015, Feb. 10.
Compressor for cigarettes. D. R. P. Jackson. 2,652,061, Sept. 15.
Compressor for gas or liquids with rotor eccentrically mounted in cylindrical housing, Rotary. K. Voznica. 2,633,292, Mar. 31.
Compressor for supercharging internal-combustion engines, Centrifugal. G. L. Wilde and F. J. Allen. 2,648,195, Aug. 11.
Compressor for vehicle suspension springs. L. W. Simons. 2,646,618, July 28.
Compressor, Gaseous fluid. L. Bauger and J. Roty. 2,645,410, July 14.
Compressor, Hermetic refrigeration. J. Touborg. 2,627,170, Feb. 3.
Compressor motor control system. H. W. Graybrook and E. W. Ames. 2,629,537, Feb. 24.
Compressor, Motor-driven. H. Dietler. 2,629,542, Feb. 24.
Compressor mounting. O. H. Scheldorf. 2,630,964, Mar. 10.
Compressor, Piston ring. J. F. Nelson. 2,655,719, Oct. 20.
Compressor plant. J. R. Munck af Rosenschöld. 2,646,204–5, July 21.
Compressor regulator. P. H. Davey. 2,653,753, Sept. 29.
Compressor, Rotary. T. W. Nichols. 2,654,532, Oct. 6.
Compressor sealing arrangement. A. H. Ehlinger. 2,660,367, Nov. 24.
Compressor, Silent air. B. Levy. 2,626,740, Jan. 27.
Compressor, Sliver. E. C. Gwaltney. 2,640,229, June 2.
Compressor starting pressure relieving attachment. G. F. Pfeifer. 2,656,970, Oct. 27.
Compressor surge inhibitor. H. Klein and E. B. Laskin. 2,660,366, Nov. 24.
Compressor, Tide and wave air. C. C. Inman. 2,633,289, Mar. 31.
Compressor, Turbine driven multistage. J. A. N. Galliot. 2,646,209, July 21.
Compressor unit, Fluid. J. Le Valley. 2,641,405. June 9.
Compressor unloading apparatus. A. B. Newton. 2,638,265, May 12.
Compressor, Valve spring. N. Peters. 2,662,275, Dec. 15.
Compressor, Valve spring. W. L. Wisner. 2,627,653, Feb. 10.
Computer. O. C. Levy. 2,652,977, Sept. 22.
Computer. W. G. Wing. 2,624,505, Jan. 6.
Computer and control loading means operated th grounded aviation trainers, Dynamic pressure Kittredge. 2,627,675, Feb. 10.
Computer, Automatic sequence-controlled. H. F. E. A. Young, and E. Hoag. 2,651,458, Sept.
Computer, Average. C. S. Barrett. 2,642,223, J
Computer control device. B. D. Holbrook ar Lundstrom. 2,658,679, Nov. 10.
Computer, Elapsed time. L. K. Straus. Dec. 22.
Computer, Electrical. C. J. Hirsch. 2,652,194,
Computer for converting electrical code into sh tion. L. B. Hallman, Jr. 2,643,355, June 2
Computer for estimated time of arrival. O. H 2,646,924, July 28.
Computer for evaluating complex integrals. R. heffer. 2,638,268, May 12.
Computer for nonlinear amplifiers. D. Levine. Apr. 28.
Computer, Fuze setting order. A. A. L 2,658,676, Nov. 10.
Computer, Fuze time. N. P. Heydenburg and H erts. 2,663,496, Dec. 22.
Computer having deck tilt and gun parallax factors, Artillery. S. Darlington and A. L 2,658,674, Nov. 10.
Computer having range extending adjustable tor means, Ballistic. S. Darlington. 2,658,673
Computer reset mechanism. R. H. Hill and C. M 2,633,268, Mar. 31.
Computer shutter cam plate retaining bracke Phillips. 2,657,853, Nov. 3.
Computer, Sight order. B. D. Holbrook and A. strom. 2,658,678, Nov. 10.
Computer, Twilight. J. W. Cox and K. R. G 2,633,295, Mar. 31.
Computer, Velocity and direction. J. M. Brady Spilhaus. 2,651,459, Sept. 8.
Computer, Wind and spot. B. D. Holbrook, A. strom, and W. A. Malthaner. 2,658,680, N
Computing apparatus, Aircraft load. J. C 2,657,857, Nov. 3.
Computing device. P. Elias. 2,661,152, Dec. 1.
Computing device. J. Lehmann. 2,634,909, Ap
Computing device. C. E. Pond. 2,637,498, Ma
Computing device. A. W. Vance. 2,661,153,
Computing device, Average. C. S. Mundell. Oct. 20.
Computing device, Fertility. G. H. Lee. 2,642 16.
Computing device for vapor-liquid equilibrium tions. F. W. Bubb. 2,637,495, May 5.
Computing instrument for making elbows. V. 2,658,672, Nov. 10.
Computing machine. R. M. Redheffer. 2,656 20.
Concealable trailer hitch. C. A. Strand. Jan. 6.
Concealing defects in a surface. A. E. Kowall. Dec. 22.
Concentrate of tyrothricin and its therapeutic components. J. Pfannmuller. 2,643,967, Ju
Concentrated arc lamp. W. D. Buckingham. Dec. 8.
Concentrated fertilizer by base exchange, Proc R. D. Pike. 2,642,355, June 16.
Concentrated formic acid, Producing. H. H 2,628,976, Feb. 17.
Concentrated silica sol, Making. R. K. Iler Wolter. 2,650,200, Aug. 25.
Concentrates of uranium and vanadium from ing ores, Producing. R. D. Nye and D. J. 2,654,653, Oct. 6.
Concentrating apparatus. B. S. Hughes. Oct. 27.
Concentrating apparatus. W. Kals. 2,631,018
Concentrating milk and product. R. Whitaker Herro. 2,663,642, Dec. 22.
Concentrating solutions. F. A. Bonzagni. July 14.
Concentration and separation of granular mix B. Cannon and O. H. Trudeau. 2,644,583,
Concentration and use of methylcyclopentane methylpentane isomerization. F. E. Condon. July 21.
Concentration of amylolytic enzymes. K. J. G V. C. Bruski. 2,651,593, Sept. 8.
Concentration of aqueous aconitic acid solutio Collier. 2,650,248, Aug. 25.
Concentration of charrable heat-sensitive liqui Petersen. 2,632,505, Mar. 24.
Concentration of copper oxide ores with nitr Kasevniak. 2,648,431, Aug. 11.
Concentration of iron ore. L. Reeve. 2,648,60
Concentration of methionine in amino acid R. A. Noll and O. D. Frampton. 2,627,525, F
Concentration of oxidized iron ores by froth the presence of carbohydrate xanthates. E. 2,629,493, Feb. 24.

Concentration of oxidized iron ores by froth flotation in the presence of carbohydrate xanthates. E. H. Brown. 2,629,494, Feb. 24.
Concentration of phosphate ores. J. B. Duke and W. M. Houston. 2,661,842, Dec. 8.
Concentration of secondary alkyl sulfate salt solutions. P. W. O. Wilga. 2,640,069, May 26.
Concentrator. A. E. Jones. 2,649,202, Aug. 18.
Concentric gas and air burner. C. J. Westling. 2,627,307, Feb. 3.
Concentric pilot valve flow regulator. N. Plank. 2,633,869, Apr. 7.
Concrete area adapted for airplane runways and the like, Large sized. E. Freyssinet. 2,655,846, Oct. 20.
Concrete beam, Reinforced. M. G. Hilpert. 2,636,377, Apr. 28.
Concrete block construction. E. Fiordelisi. 2,658,378, Nov. 10.
Concrete block handling device. L. H. and W. E. Schlough. 2,646,180, July 21.
Concrete block handling tool. L. F. Looze. 2,652,715, Sept. 22.
Concrete block handling tool. L. F. Looze. 2,657,571, Nov. 3.
Concrete building form. J. B. Johnston. 2,642,646, June 23.
Concrete construction. A. F. Johnson. 2,629,135, Feb. 24.
Concrete distributing machine, Conveyor type. E. H. Lichtenberg. 2,649,185, Aug. 18.
Concrete floor compactor. C. A. Cletus and O. G. Anderson. 2,641,975, June 16.
Concrete form. J. R. Findley. 2,661,517, Dec. 8.
Concrete form and stake therefor. A. C. Dulleck. 2,637,889, May 12.
Concrete form for use with plumbing installations, Temporary. R. E. Henry. 2,659,124, Nov. 17.
Concrete form tie. H. G. Gates. 2,656,581, Oct. 27.
Concrete gun. S. H. Giberson. 2,649,289, Aug. 18.
Concrete mixer. C. Gerst. 2,662,755, Dec. 15.
Concrete mixer with lifting and tilting mechanism. A. A. Wagner and A. J. Werner. 2,664,276, Dec. 29.
Concrete mold molding process. H. L. Carlson. 2,661,518, Dec. 8.
Concrete pavement. E. Freyssinet. 2,655,845, Oct. 20.
Concrete pile, Extra length. J. H. Thornley. 2,636,355, Apr. 28.
Concrete pipe-forming machine, including means for extracting excess fluids by vacuum. H. X. Eschenbrenner. 2,625,728, Jan. 20.
Concrete surfacing machine. C. F. Ytterberg. 2,641,169, June 9.
Concrete surfacing machine. C. F. Ytterberg. 2,654,298, Oct. 6.
Condensate removal means. W. F Borgerd. 2,638,756, May 19.
Condensate stripper. L. V. Larsen. 2,656,262, Oct. 20.
Condensate trap. A. Gaydasch. 2,659,452, Nov. 17.
Condensation of alcohols in the presence of calcium hydroxide. E. E. Burgoyne. 2,645,667, July 14.
Condensation of alcohols in the presence of calcium oxide. E. E. Burgoyne and F. E. Condon. 2,645,668, July 14.
Condensation process. F. H. Baldwin. 2,662,097, Dec. 8.
Condensation product of polymeric phosphonitrilic chloride, chloroaniline and a polyamino compound. F. R. Hurley. 2,637,704, May 5.
Condensation products of bis-aminotriazines. P. L. de Benneville and V. C. Meunier. 2,653,143, Sept. 22.
Condensation products of pentaerythritol and glyoxal, Preparing. E. L. Kropa and W. M. Thomas. 2,643,236, June 23.
Condensation products of polyvinyl alcohol and aldehydes, Producing. W. Gruber, J. Heckmaier, and H. Zoebelein. 2,652,387, Sept. 15.
Condensation products of styrene oxide with alkylene oxides and making the same. E. C. Britton and P. S. Petrie. 2,641,614, June 9.
Condensation products of the benzanthrone series and their preparation. J. M. Straley. 2,659,735, Nov. 17.
Condensed milk and such products containing lactose, Preparing. R. de Vletter. 2,641,549, June 9.
Condenser: *See*—
- Collapsibly mounted condenser.
- Electrical condenser.
- High power tube blocking condenser.
- Three-stage condenser.
- Two-stage condenser.
- Variable high-voltage electrical condenser.

Condenser. B. J. Powell. 2,646,259, July 21.
Condenser and shield for spark plugs, Sealed. E. C. Klekhaefer. 2,648,030, Aug. 4.
Condenser and support therefor, Surface. J. F. Grace. 2,639,123, May 19.
Condenser apparatus, Atmospheric. A. Y. Preble and E. K. Hinson. 2,644,322, July 7.
Condenser-charging system for spark-cutting devices. E. M. Williams. 2,628,330, Feb. 10.
Condenser converter, Vibrating. H. Reese, Jr. 2,658,173, Nov. 3.
Condenser converter, Vibratory. F. W. Side. 2,632,791, Mar. 24.
Condenser for pin drafters, Rectangular. J. R. Longstreet. 2,661,503, Dec. 8.
Condenser for refrigerating system, Atmospheric. J. M. Andrews. 2,650,075, Aug. 25.
Condenser with subcooler and venting means. A. Kirkpatrick. 2,661,190, Dec. 1.
Condenser with supplemental sealing member therein. J. B. Brennan. 2,627,538, Feb. 3.
Condensing sliver. J. G. Kershaw and H. Fisher. 2,656,573, Oct. 27.
Condensing system for distillation column. W. W. Kraft. 2,662,850, Dec. 15.
Condensing vapor and gas turbine power plant, Combined. L. W. Heller. 2,653,447, Sept. 29.
Condensing zinc vapor. E. C. Handwerk, G. T. Mahler, and L. J. Held. 2,637,649, May 5.
Condiment dispenser. E. W. Clark. 2,656,075, Oct. 20.
Condiment dispenser. A. Kurz. 2,627,992, Feb. 10.
Condiment drier. L. E. Munch. 2,645,542, July 14.
Condiment holder. C. D. Gilmore. 2,630,246, Mar. 3.
Condition responsive device. A. Wellman. 2,643,154, June 23.
Condition responsive valve control circuit. S. A. Staege. 2,627,875, Feb. 10.
Conditioning agricultural soil and growing plants therein. R. M. Hedrick and D. T. Mowry. 2,651,885, Sept. 15.
Conditioning agricultural soil and growing plants therein. D. T. Mowry and R. M. Hedrick. 2,651,886, Sept. 15.
Conditioning apparatus for rotary saws. G. M. Gustin. 2,637,223, May 5.
Conditioning baked products, Method and apparatus for. M. H. Duval. 2,638,685, May 19.
Conditioning brightening baths. S. R. Prance and H. J. Reindl. 2,625,468, Jan. 13.
Conditioning compound for ground meat products, Manufacture of. S. L. Komarik. 2,634,212, Apr. 7.
Conditioning of metal surfaces. J. T. Irwin. 2,636,009, Apr. 21.
Conditioning soils. R. M. Hedrick and D. T. Mowry. 2,625,529, Jan. 13.
Conditioning water. N. E. Artz. 2,626,238, Jan. 20.
Conditioning water, Process and apparatus for. T. H. Griswold. 2,635,755, Apr. 21.
Conducting moving contact material hydrocarbon conversion processes, Method and apparatus for. E. V. Bergstrom and E. R. Sorf. 2,656,306, Oct. 20.
Conducting the Grignard reaction to produce organosilicon compounds. P. O. Stelling and G. L. Flemmert. 2,654,771, Oct. 6.
Conducting warfare, Means and method for. O. Brown. 2,634,924, Apr. 14.
Conductor for electrified material handling apparatus, Shockproof. W. G. Wehr. 2,640,114, May 26.
Conductor insulated with fused multiple layers. L. A. Bondon. 2,631,186, Mar. 10.
Conductor roll for apparatus for electrolytically treating strip. C. J. Klein. 2,652,461, Sept. 15.
Conduit connection for milking machines. E. B. Thompson. 2,653,567, Sept. 29.
Conduit connection with automatic valving, Releasable. D. V. Summerville. 2,628,850, Feb. 17.
Conduit, Reinforced concrete. G. A. Montgomery. 2,660,199, Nov. 24.
Conduit, Sectional. C. P. and A. J. Simmons. 2,642,899, June 23.
Conduit support for vehicle train with conduit-connected fluid devices. W. P. Oehler and C. H. Youngberg. 2,626,552, Jan. 27.
Conduit system. E. W. Kaiser. 2,658,527, Nov. 10.
Conduit with branch applied against spot face of headers. H. P. Schane and B. E. Fiddler. 2,636,752, Apr. 28.
Cone and socket pipe joint with cooperating locking lug. E. J. Mansfield. 2,664,303, Dec. 29.
Cone for eyeglass rims, Rim stretching. I. J. Wilson. 2,634,636, Apr. 14.
Cone rib finishing machine. A. L. Bergstrom. 2,660,840, Dec. 1.
Confection feeding and releasing machine. E. J. Otken. 2,659,503, Nov. 17.
Confection machinery. E. D. Rapisarda. 2,657,647, Nov. 3.
Confection molding. C. R. Niklason. 2,649,057, Aug. 18.
Confection package and toy structure. R. L. Batchlet. 2,657,144, Oct. 27.
Confection product. J. H. Lipshutz. 2,630,389, Mar. 3.
Confectionery container. J. G. Berthold, Jr. 2,628,169, Feb. 10.
Confectionery machine. J. Greenberg and G. S. Perkins. 2,648,295, Aug. 11.
Confections, Making. P. E. Schultz. 2,658,830, Nov. 10.
Confections, Manufacturing. J. M. Leach. 2,651,573, Sept. 8.
Congelation apparatus and method. H. M. Reedall. 2,637,177, May 5.
Conical blender, Jacketed. R. B. Mack. 2,628,080, Feb. 10.
Conical grinding mill. O. Vicci. 2,653,770, Sept. 29.
Conical plug refiner. C. E. Roberson. 2,645,983, July 21.
Conjugated oestrogenic quaternary ammonium salts and their preparation. D. Beall and G. A. Grant. 2,649,399, Aug. 18.
Connecting beams to girders. M. Sasso. 2,641,829, June 16.
Connecting bracelets to wrist watches, Means for. L. E. Valcourt. 2,652,612, Sept. 22.

Connecting device. M. Loeb. 2,656,550, Oct. 27.
Connecting device for electron tubes. O. Sternbeck. 2,659,814, Nov. 17.
Connecting device, Quickly releasable. J. Loxham. 2,641,813, June 16.
Connecting means for tubular sections. H. M. Manoogian. 2,643,901, June 30.
Connecting rod joint. G. I. Danly and V. Georgeff. 2,653,838, Sept. 29.
Connecting structural parts. C. B. Holm. 2,626,455, Jan. 27.
Connecting structure. H. P. Albrecht, K. H. Wilson, and N. M. Clark. 2,635,717, Apr. 21.
Connecting well casings to liners, Method and apparatus for. C. C. Brown. 2,644,523, July 7.
Connection between band parts and loops. I. Rubin. 2,655,707, Oct. 20.
Connection for brassières and undergarments, Extension. J. Ganim. 2,653,323, Sept. 29.
Connection for carbon brushes. J. B. Falcettoni. 2,631,252, Mar. 10.
Connection for diaphragm valves. J. E. Svabek, Jr. 2,653,788, Sept. 29.
Connection for electrically conducting films. R. A. Gaiser. 2,628,299, Feb. 10.
Connection for scaffoldings, shelves, racks, and like structures. C. Caminati. 2,655,394, Oct. 13.
Connection for the bits of smoking pipes. J. Gevirman. 2,646,052, July 21.
Connection for the drop sides of cribs, Slidable. V. J. Bukolt. 2,652,575, Sept. 22.
Connector: *See*—
- Balk connector.
- Battery connector.
- Battery terminal connector.
- Bent tube dead-end connector.
- Blade engageable electric connector.
- Bolted bus connector.
- Branch hose connector.
- Cable connector.
- Coaxial cable connector.
- Coaxial line connector.
- Composite fluid and electrical connector.
- Detachable electrical connector.
- Electric cup connector.
- Electric terminal connector.
- Electrical clamping connector.
- Electrical conduit connector.
- Electrical connector.
- Electrical service connector.
- Faucet connector.
- Flexible belt connector.
- Fused electric connector.
- Fused electrical connector.
- Heater connector.
- High-voltage terminal connector.
- Indentable jack-type connector.
- Insulated electric connector.
- Insulated multiple connector.
- Interlocking electrical connector.
- Loom harness connector.
- Multiple contact electrical connector.
- Multiple electric connector.
- Multiple outlet connector.
- Outlet box cable connector.
- Readily attachable electrical connector.
- Reversible electrical connector.
- Safety electric fuse connector.
- Sash balance connector.
- Sash cord connector.
- Self-locking electrical connector.
- Separable knife-type clasp connector.
- Sheathed plug connector.
- Socket connector.
- Strap connector.
- Swivel connector.
- Twisted plug-cord connector.
- Watch bracelet end connector.
- Waterproof and pressure-proof connector.
- Watertight cable connector.
- Wedge type wire connector.
- Windshield wiper arm connector.
- Wiper blade connector.
- Wood joint connector.

Connector. J. W. Anderson. 2,632,910, Mar. 31.
Connector and method, Case hardened cable. M. D. Bergan. 2,638,367, May 12.
Connector and support for tables. E. L. Lindman. 2,659,640, Nov. 17.
Connector assembly. J. L. Arthur. 2,654,078, Sept. 29.
Connector assembly, Rocket. G. Ustin. 2,632,788, Mar. 24.
Connector clip. W. T. Koehlinger. 2,638,139, May 12.
Connector clip. D. F. Smith. 2,658,965, Nov. 10.
Connector device for mop or broom handles, Adjustable. H. A. Russell. 2,655,413, Oct. 13.
Connector element for tractor hitch members. J. E. Cruse and J. Vlach, Jr. 2,633,067, Mar. 31.
Connector for bracelets and the like, Separable. H. J. Feibelman. 2,654,929, Oct. 13.
Connector for braces, Multiple point. E. B. Capra. 2,659,618, Nov. 17.
Connector for electrical conductors, Terminal. G. P. Felts and R. W. Seeger. 2,630,468, Mar. 3.
Connector for electrical conductors, Tinsel wire. G. P. Felts and R. W. Seeger. 2,651,764, Sept. 8.
Connector for gang switches, Continuous. H. W. Batcheller. 2,634,312, Apr. 7.
Connector for interconnecting terminals, Quick detachable. J. J. Bulla. 2,628,263, Feb. 10.
Connector for jetty units. G. W. Rehfeld. 2,645,088, July 14.
Connector for liquid storage tanks. L. V. Larsen. 2,656,263, Oct. 20.
Connector for metal-enclosed switchgears, Quick able. W. C. Fulton and R. S. Tusing. 2,647, 28.
Connector for plastic pipe. Hose. L. R. Nelson. Dec. 8.
Connector for pressure gauges, Protective. C. R. 2,661,625, Dec. 8.
Connector for range receptacles, Wire. L. M. 2,659,877, Nov. 17.
Connector for resilient structures, Electrical. M 2,649,267, Aug. 18.
Connector for resistance elements on glass pla trical. T. W. Glynn. 2,644,066, June 30.
Connector for table tops, Leg. A. J. Redlich. Mar. 10.
Connector for toy construction members. D. W 2,655,761, Oct. 20.
Connector for windshield wiper blades and arm Krohm. 2,632,909, Mar. 31.
Connector for wiper blades and arms. J. W. 2,632,907, Mar. 31.
Connector having a grommet and means to ax radially compress the same, Electrical. W. nessey and G. J. Swanson. 2,662,219, Dec. 8.
Connector having a mercury amalgam coating on surface, Electrical. A. G. Asaff. 2,655,641,
Connector having a spring-biased line terminal, R. N. Falge and D. P. Clayton. 2,640,970, J
Connector having insulating piercing barbs, Q. Berg. 2,648,050, Aug. 4.
Connector having terminal clamping means, electrical. M. R. Rathborne. 2,652,547, Sept
Connector having two-point support, Detachabl Dupre. 2,644,146, June 30.
Connector hood assembly, Electrical. L. 2,659,872, Nov. 17.
Connector of the eyelet type, Electrical. 2,648,054, Aug. 4.
Connector plug and adapter for three-phas Reversing. J. J. Robinson, Jr., and H. M. 2,634,344, Apr. 7.
Connector strip. A. A. H. Kenlock. 2,655,23
Connector strip having laterally displaced str edges, Electrical. Q. Berg. 2,659,871, Nov
Connector switch. P. Bakker. 2,646,466, July
Connector with locking device. D. R. De Tar. Mar. 31.
Connector with insulation piercing means cont conductors of electric cords, Electrical. G. B. and G. R. Lawson. 2,655,639, Oct. 13.
Connectors with hard particle lining, Makin Matthysse. 2,627,649, Feb. 10.
Consistency measuring apparatus responsive current. W. R. Lewis. 2,654,860, Oct. 6.
Consistency meter. G. Maxon, Jr. 2,630,706
Consolidated rig. F. J. Young. 2,650,065, Aug
Constant amplitude sweep generator. E. F. V and R. G. Doyen. 2,645,715, July 14.
Constant compression spring. E. E. Foster. Mar. 3.
Constant current device. J. W. Gray. 2,640,9
Constant delivery pump. R. T. Sheen, R. B. and J. W. Welker. 2,654,326, Oct. 6.
Constant factor mechanism. H. J. Chall. Nov. 24.
Constant factor mechanism. O. W. Swanson Mossberg. 2,630,967, Mar. 10.
Constant pressure hydraulic power transmitti E. V. Bunting. 2,627,815, Feb. 10.
Constant pressure variable displacement pun Hufferd and B. E. O'Connor. 2,649,739, Au
Constant speed centrifugal clutch. A. W. 2,631,708, Mar. 17.
Constant speed control for strip annealing. 2,626,110, Jan. 20.
Constant speed direct current motor. R. M. M. L. Anthony. 2,662,205, Dec. 8.
Constant speed drive by use of a magnetic-fl G. G. Gould. 2,639,414, May 19.
Constant speed drive for magnetic record me Camras. 2,624,574, Jan. 6.
Constant temperature gas heater. O. M. 2,626,599, Jan. 27.
Constant tension means with mechanoelectri responsive control. J. S. Michie. 2,647,9
Constant torque clutch. J. Rabinow. 2,644,3
Constant velocity shaft coupling. W. E 2,627,733, Feb. 10.
Constant viscosity method of lining containe H. E. Cooper and D. L. Shanklin. 2,651,5
Constant voltage glow discharge control dev Townsend. 2,629,842, Feb. 24.
Constructing buildings. H. A. Ingalls. 2,62 20.
Constructing buildings. W. P. Neil. 2,662,3
Constructing printing plates, Means for. A. 2,663,349, Dec. 22.
Construction and operation of vertical shaf F. P. Somogyi. 2,654,589, Oct. 6.
Construction for cameras. R. Steineck. Jan. 13.
Construction for electric heaters. B. 2,659,798, Nov. 17.

Construction form. R. C. Yates. 2,663,925, Dec. 29.
Construction in upholstered article such as a seat. A. H. Dewees. 2,638,154, May 12.
Construction material, Laminate. F. R. Loetscher. 2,628,144, Feb. 10.
Construction of exhaust passages of internal-combustion engines. P. Kollsman. 2,624,171, Jan. 6.
Construction of flexible hose. C. M. Hamblin. 2,640,500, June 2.
Construction of interchangeable dies, punches, etc. R. H. Parsons. 2,662,773, Dec. 15.
Construction of rotors for compressors and like machines. G. B. R. Feilden. 2,654,565, Oct. 6.
Construction of sensitive thermopiles, H. C. McKay. 2,629,757, Feb. 24.
Construction of street signs. M. M. Saul. 2,641,075, June 9.
Construction of turbine-inlet and stator elements of gas turbines. G. B. R. Feilden. 2,638,743, May 19.
Construction of turbine rotors. R. C. McLeod. 2,657,901, Nov. 3.
Construction of water-flushed electrode for electrical precipitators. L. Hardy. 2,631,685, Mar. 17.
Construction unit. L. S. Emmert. 2,637,265, May 5.
Constructional element. J. A. MacKenzie. 2,632,533, Mar. 24.
Consumer package for fresh fruits or the like. F. A. L. Bloom. 2,660,529, Nov. 24.
Consumer type container. L. C. Brooks. 2,626,095, Jan. 20.
Consumer type container. L. C. Brooks. 2,649,238, Aug. 18.
Consumer type container. L. C. Brooks. 2,661,139, Dec. 1.
Contact. C. L. Harvey. 2,649,525, Aug. 18.
Contact and terminal member for electric switches. Combined. H. M. Cole. 2,646,485, July 21.
Contact base. Movable. D. D. Hinman. 2,626,977, Jan. 27.
Contact breaker of ignition systems for internal-combustion engines. L. Delorme. 2,649,515, Aug. 18.
Contact delivery device for perfume. M. P. Hanryon. 2,663,891, Dec. 29.
Contact device for electric circuits. M. R. Rosen. 2,634,341, Apr. 7.
Contact fixture. N. E. Earle and E. E. Leidich. 2,663,844, Dec. 22.
Contact for ignition systems. S. M. Udale. 2,646,486, July 21.
Contact for semiconductor devices. H. B. Law. 2,634,322, Apr. 7.
Contact lens and method and apparatus for making same. H. D. Crandon. 2,644,985, July 14.
Contact lenses and making same. W. F. Herman. 2,664,025, Dec. 25.
Contact pin igniter. R. A. Phillips. 2,649,736, Aug. 25.
Contact wheel. W. J. Cosmos. 2,639,560, May 26.
Contacting apparatus, High-pressure. W. E. Kuentzel and E. Field. 2,631,091, Mar. 10.
Contacting fluid and solids. W. W. Odell. 2,631,921, Mar. 17.
Contacting fluids, Method and apparatus for. R. B. Olney. 2,629,654, Feb. 24.
Contacting gases and solids. G. H. Palmer. 2,649,358, Aug. 18.
Contacting hydrocarbon mixtures with antimony trichloride. A. C. Nixon and C. H. Deal, Jr. 2,638,441, May 12.
Contacting solids and gases. E. C. Handwerk. 2,627,668, Feb. 10.
Contactor. P. V. Yingst. 2,632,822, Mar. 24.
Contacts for electrical conductors of aluminum or aluminum alloys. E. R. Thomas. 2,638,521, May 12.
Container: *See*—
Aerial cargo landing container.
Angler's bait container.
Article isolating and shock absorbing shipping container.
Ash container.
Bag container.
Battery container.
Beverage container.
Beverage mixing container.
Blossom preserving and display container.
Bobby pin container.
Can opening and dispensing container.
Cigarette container.
Coated food container.
Coil container.
Coin container.
Collapsible container.
Collapsible covered container.
Collapsible fluid container.
Collapsible tubular container.
Combination vehicular and portable food and beverage container.
Compartmented container.
Confectionary container.
Consumer type container.
Controlled fluid dispensing container.
Cosmetic container.
Cylindrical container.
Deodorant container.
Dispensing container.
Display container.
Disposable bottle container.
Easy packing deep container.
Ejecting key container.
Fabricated metal container.
Fiber container.
Flame and radiation resistant container.
Flexible container.
Fluid container.
Frusto-conical container.
Heat insulating container.
Heavy-duty fiber container.
Key container.
Knockdown shipping container.
Knockdown streamline container.
Lipstick container.
Container: *See*—Continued.
Live bait container.
Lyophilization container.
Master shipping container.
Milk can container.
Moistureproof container.
Multiple container.
Multiple liquid dispensing container.
Nonspill powder container.
One-piece covered container.
One-piece fiber board shipping container.
Paper container.
Perfume bottle container.
Permeability test container.
Pin curl clip container.
Plant shipping container.
Portable food and beverage container.
Portable food container.
Pressure type container.
Safe dispensing container.
Sanitary container.
Sealed container.
Sealed shipping container.
Sheet metal container.
Shipping container.
Simulated golf club beverage and cup container.
Slide container.
Sliver container.
Spaced wall insulated container.
Stackable storage container.
Sterilized toothbrush container.
Tablet container.
Tissue container.
Tubular getter container.
Vented fluid dispensing container.
Watertight and gastight shipping container.
Container. F. Der Yuen. 2,641,374, June 9.
Container. L. L. Dyer. 2,653,038, Sept. 22.
Container. L. C. Fredrickson. 2,633,604, Apr. 21.
Container. W. C. George and J. A. Bousquet. 2,634,038, Apr. 7.
Container. J. C. Graveno. 2,634,896, Apr. 14.
Container. W. Hiersteiner. 2,631,772, Mar. 17.
Container. G. Leonard. 2,661,138, Dec. 1.
Container. C. M. MacCheaney. 2,625,317, Jan. 13.
Container. W. C. MacIntyre. 2,632,563, Mar. 24.
Container. J. Miller. 2,659,515, Nov. 17.
Container. M. J. Quillinan. 2,641,292, June 9.
Container. G. C. Reid and S. S. Jacobs. 2,661,137, Dec. 1.
Container. J. L. Reynolds. 2,629,534, Feb. 24.
Container. W. A. Ringler. 2,630,203, Mar. 3.
Container. B. E. Rosenberg. 2,631,608, Mar. 17.
Container. S. J. Sarnoff. 2,628,001, Feb. 10.
Container. G. Trautvetter. 2,661,872, Dec. 8.
Container adapted to be vacuum sealed. W. E. Boschin. 2,629,509, Feb. 24.
Container and amusement box, Combined. C. Lipson. 2,627,697, Feb. 10.
Container and atomizer for liquids, Unitary. J. B. Montenier. 2,642,313, June 16.
Container and cap therefor. F. H. Jobson. 2,649,225, Aug. 18.
Container and cap, Welded. W. H. Freygang. 2,630,936, Mar. 10.
Container and closure assembly. H. L. Carpenter. 2,662,788, Dec. 15.
Container and closure having a screw driver projection, Combination fluid. S. Reider. 2,646,704, July 28.
Container and closure therefor. W. Cookson. 2,633,266, Mar. 31.
Container and closure therefor. N. E. Spiess, Jr., and E. M. Gropen. 2,661,119, Dec. 1.
Container and closure therefor. W. M. Vogel, Jr. 2,637,464, May 5.
Container and closure therefor, Convertible. S. Newell. 2,640,626, June 2.
Container and dispenser for liquids, Combined. O. E. Ihle and E. J. Kapteyn. 2,655,011, Oct. 13.
Container and dispenser, Portable charcoal. R. J. Cappellini. 2,630,941, Mar. 10.
Container and dispenser, Soap. F. J. Lowthers. 2,641,506, June 9.
Container and dispenser therefor having a cutter-valve for opening the container, Paste type products. C. H. Reinhardt, Jr. 2,659,517, Nov. 17.
Container and display rack, Combined. J. M. Gapstur. 2,649,957, Aug. 25.
Container and handle therefor. L. Brock. 2,630,244, Mar. 3.
Container and hanger, Garment. O. C. Cox. 2,660,819, Dec. 1.
Container and heating means therefor, Food. J. Miron. 2,643,650, June 30.
Container and holder for soap containing boxes and the like, Dispensing. G. V. Pelton. 2,649,998, Aug. 25.
Container and household measuring vessel, Combination commercial. F. P. Klosky. 2,640,628, June 2.
Container and making same, Cylindrical. T. F. Barnes. 2,638,820, May 19.
Container and seal. N. R. Dunbar. 2,655,282, Oct. 13.
Container and slitted resilient valve therefor, Dispensing. J. Schmidt. 2,662,668–9, Dec. 15.
Container and spool for leader lines and the like. E. L. Sharp. 2,664,194, Dec. 29.
Container and toy building block, Combined. H. R. Stolte. 2,631,747, Mar. 17.
Container and treating apparatus for sour crude oils. C. H. Dragert. 2,632,562, Mar. 24.
Container and welded joint therein, Lined. G. W. Leupold. 2,656,949, Oct. 27.
Container arrangement for propellant feeding means of rockets, Compact. F. B. Halford and A. V. Cleaver. 2,634,577, Apr. 14.

Container blank to form into various containers. D. T. Bowden. 2,647,621, Aug. 4.
Container bottom structure. G. W. Ludowitz. 2,657,826, Nov. 3.
Container cap. T. A. Nygaard. 2,659,508, Nov. 17.
Container carrier. L. O. Holmberg. 2,646,911, July 28.
Container closing machinery. H. A. Barnby and O. Bjering. 2,630,952, Mar. 10.
Container closing mechanism. F. Huntar and G. O. Frey. 2,653,745, Sept. 29.
Container closure. E. Gronemeyer and S. Cherba. 2,639,057, May 19.
Container closure. P. G. McGowan. 2,628,735, Feb. 17.
Container closure. E. C. Oldenburg. 2,661,861, Dec. 8.
Container closure. F. G. Pellett. 2,646,183, July 21.
Container closure. J. Robinson. 2,651,528, Sept. 8.
Container closure. A. E. Smith. 2,653,609, Sept. 29.
Container closure. F. A. Vastano, K. Erickson, and R. R. St. Jean. 2,649,220, Aug. 18.
Container closure. A. Vischer, Jr. 2,628,739, Feb. 17.
Container closure, Stored pressure fluid medium. S. E. Allen. 2,634,814, Apr. 14.
Container closure, Tamperproof. J. W. Soffer. 2,643,015, June 23.
Container combination, Portable. J. H. Kuhns. 2,663,391, Dec. 22.
Container construction. E. N. Burnett. 2,634,041, Apr. 7.
Container construction. E. N. Burnett. 2,651,449, Sept. 8.
Container construction for boxes or crates. W. J. Cella. 2,634,021, Apr. 7.
Container cover. R. O. Simpson. 2,657,822, Nov. 3.
Container-dispenser for poisoned bait. E. C. Karstedt. 2,650,451, Sept. 1.
Container fastening apparatus for transport vehicles. T. J. Ault. 2,631,885, Mar. 17.
Container feed and discharge mechanism. J. Boyce and J. C. Olsen. 2,656,911, Oct. 27.
Container filling machine. W. de Back. 2,663,480, Dec. 22.
Container filling machine. A. C. Everett. 2,631,769, Mar. 17.
Container filling machine. J. Gialanella. 2,643,807, June 30.
Container-filling machine, Automatic. A. C. Milne. 2,643,806, June 30.
Container flap folding apparatus. S. H. Berch. Re. 23,669, June 23.
Container for a plurality of vacuum bottles. C. Bramming. 2,644,578, July 7.
Container for article shipping and storage, Cellular. D. H. Blatt and F. R. Mann. 2,634,042, Apr. 7.
Container for articles of merchandise, Tubular. R. E. Paige. 2,663,489, Dec. 22.
Container for atomizing, Unitary. J. B. Montenier. 2,658,797, Nov. 10.
Container for automobiles, Relief. A. Szabo. 2,654,892, Oct. 13.
Container for carbonated beverages, Processing. G. L. N. Meyer. 2,639,849, May 26.
Container for cigarettes and matches. D. V. Brandt and S. R. Cheek. 2,634,854, Apr. 14.
Container for cigarettes, Pocket. J. W. Enfield. 2,658,468, Nov. 10.
Container for collable material. E. H. Lewis. 2,655,262, Oct. 13.
Container for comestibles, Sealed cooking. H. J. Moffett and J. C. McFarland. 2,633,284, Mar. 31.
Container for composite tape, Supply. B. Hirszson. 2,625,200, Jan. 13.
Container for crayons and the like. S. Salkey. 2,637,299, May 5.
Container for deep fat frying, Food. W. O. Wheeler. 2,658,444, Nov. 10.
Container for delivery of frozen foods, Insulated. G. H. Sullivan. 2,632,311, Mar. 24.
Container for dish-washing machines. A. O. Nicholas. 2,635,760, Apr. 21.
Container for electrical connectors, Lockable. B. W. Rockman. 2,643,787, June 30.
Container for endless film reels. W. C. Eddy. 2,657,047, Oct. 27.
Container for fishing leaders, Dispensing. A. C. Johnson. 2,656,131, Oct. 20.
Container for foodstuff. H. C. Sallac. 2,630,154, Mar. 3.
Container for frozen foods, Refrigerating shipping. D. L. Feigenbaum. 2,631,439, Mar. 17.
Container for fruits and vegetables. J. E. Snyder. 2,633,238, Mar. 31.
Container for garments. S. Warnick. 2,633,979, Apr. 7.
Container for holding and dispersing incendiary articles which contain phosphorous. M. E. Barker. 2,643,928, June 30.
Container for holding and transporting materials to be held separately. M. Fitzgerald. 2,651,436, Sept. 8.
Container for hypodermic needles. S. N. Blackman. 2,651,407, Sept. 8.
Container for inflammable liquids. A. E. Kanode and C. H. Matson. 2,653,541, Sept. 29.
Container for keys, note pads, and similar articles. K. M. Vogel. 2,631,631, Mar. 17.
Container for liquids and semiliquids. H. G. Vaughn. 2,649,227, Aug. 18.
Container for movably storing articles. F. F. C. Rippon. 2,661,259, Dec. 1.
Container for packaging toruslike objects and articles. E. F. Schweich. 2,652,922, Sept. 22.
Container for paper rolls, Dispensing. L. R. White. 2,647,577, Aug. 4.
Container for pasty substances. J. Gabler. 2,626,730, Jan. 27.
Container for perishable substances, Insulated. J. B. Dube. 2,647,653, Aug. 4.
Container for pharmaceuticals and the like. F. E. Brown. 2,663,461, Dec. 22.
Container for pipes, Individual use tobacco. S. L. Hirschhorn. 2,633,269, Mar. 31.
Container for preserving farm crops, Pressure protected silolike. W. G. Martin. 2,643,602, June 30.
Container for radioactive sources, Shielding. J. F. Young. 2,642,541, June 16.
Container for refrigeration systems, Shipping. D. L. Baker. 2,626,704, Jan. 27.
Container for rolled sheet material, Dispensing. E. Kawecki. 2,633,396, Mar. 31.
Container for safety blasting explosives. G. P. Sillitto and D. G. Ashcroft. 2,635,543, Apr. 21.
Container for segregated ingredients of therapeutic preparations, Mixing. M. L. Lockhart. 2,636,493, Apr. 28.
Container for storing oil and like fluids. H. Edholm. 2,661,062, Dec. 1.
Container for tablets and the like, Dispensing. R. E. Aggson. 2,653,700, Sept. 29.
Container for turbine wheels, Shipping. J. Jenkins and I. B. Beren. 2,652,147, Sept. 15.
Container for yarn packages. L. G. Harraway. 2,655,019, Oct. 13.
Container forming and filling machine. S. R. Howard. 2,651,897, Sept. 15.
Container forming apparatus. L. B. Eaton. 2,655,979, Oct. 20.
Container handling device with plural container magazines for feeding containers to the handling devices in filling machines. J. Riemer. 2,655,301, Oct. 13.
Container having a flexible nozzle and a flexible cap. G. W. Benbury and H. W. Ingham. 2,663,463, Dec. 22.
Container having a hinged cover. C. J. Yates. 2,637,460, May 5.
Container having a movable bottom. J. P. Bunce. 2,643,662, June 30.
Container having a pivotal lift cover removable for filling, Dispensing. R. H. Amand and J. J. Buchwalder. 2,635,792, Apr. 21.
Container having a sealed passage adapted to be unsealed upon application of stress, Single use. E. H. Land. 2,653,732, Sept. 29.
Container having a slidable bottom forming a follower, Dispensing. A. C. Spencer. 2,661,126, Dec. 1.
Container having a slide closure, Sifter-top. W. J. Jamieson. 2,653,736, Sept. 29.
Container having an electric heating element, Portable food. W. H. Burleyson. 2,629,042, Feb. 17.
Container having closure discharge hose, Portable. A. W. Hafferty. 2,630,247, Mar. 3.
Container having laminated walls, High-pressure. S. V. Williams. 2,652,943, Sept. 22.
Container having wax product coating. S. W. Ferris. 2,624,501, Jan. 6.
Container holder. F. Ernest. 2,655,403, Oct. 13.
Container lid lifter. G. Von Allmen. 2,634,074, Apr. 7.
Container-making machine. L. Triolo. 2,664,036, Dec. 29.
Container making machine. M. Welstein. 2,633,064, Mar. 31.
Container opener. F. A. Wishart. 2,624,489, Jan. 6.
Container opening and positioning machine. G. M. Woodruff and H. Heitlage. 2,651,896, Sept. 15.
Container opening, Hand pressure released. P. E. Brusienski. 2,652,169, Sept. 15.
Container or clothes locker. M. Clements. 2,640,616, June 2.
Container package structure. W. Jameson. 2,649,197, Aug. 18.
Container piercing apparatus. C. Pontillo. 2,637,898, May 12.
Container reducing mechanism with continuous jaw faces. W. Pechy. 2,658,549, Nov. 10.
Container stand. G. E. Balch. 2,657,809, Nov. 3.
Container structure for paste shoe polish, including an applicator. H. L. Auten. 2,635,271, Apr. 21.
Container structure with handle attachment. A. J. Goldsmith. 2,639,082, May 19.
Container support. F. F. Gunther. 2,645,376, July 14.
Container supporting bracket. E. C. Haake. 2,636,709, Apr. 28.
Container transferring apparatus. L. B. Simon. 2,651,425, Sept. 8.
Container with adapter for discharge apertures, High-pressure. E. H. Benson. 2,661,113, Dec. 1.
Container with carrying handle. R. H. Johnson. 2,663,485, Dec. 22.
Container with carrying handle, Shipping. J. W. Hendrickson, Jr. 2,661,142, Dec. 1.
Container with closure, Partitioned. B. F. Kells. 2,633,265, Mar. 31.

Container with displaceable bottom, Dispensing. N. Muskin. 2,649,995, Aug. 25.
Container with handle stacking means. G. E. Coursey. 2,641,383, June 9.
Container with hinged cover. N. S. Waterman. 2,627,995, Feb. 10.
Container with insert. J. W. Meinhardt. 2,646,201, July 21.
Container with insertable heat exchanger, Liquid helium. G. F. Snifrian and H. S. Jacket. 2,648,953, Aug. 18.
Container with internal seal, Tearing strip. W. J. Dobbins, 3rd. 2,636,638, Apr. 28.
Container with nondetachable threaded cap and neck, and with registrable dispensing apertures, Dispensing. E. G. Brinkman. 2,653,735, Sept. 29.
Container with raised tearing strip tongue. C. F. Peck. 2,648,459, Aug. 11.
Container with rip strip tongue folded into lock seam. J. Henchert. 2,660,332, Nov. 24.
Container with rupturable sealed end, Plastic. R. P. Scherer. 2,648,463, Aug. 11.
Container with sifter top, Dispensing. G. C. Erb. 2,664,229, Dec. 29.
Container with slip resistant coating, Paper. I. V. Wilson. 2,643,048, June 23.
Container with viewing window, Dual. W. H. Colgate. 2,648,156, Aug. 11.
Containers from fiberboard and like sheet material, Manufacture of. V. A. Hutt-Brenning. 2,660,971, Dec. 1.
Containers, Making. W. B. Crawford. 2,644,198, July 7.
Containers, Producing bulged. D. G. Magill and R. P. Bigger. 2,634,563, Apr. 14.
Containing closure having spring biased slidable dispensing valve. R. J. Lagemann. 2,652,177, Sept. 15.
Continuity, polarity, and breakdown test device. A. L. de Bruyne. 2,628,999, Feb. 17.
Continuous adsorption-desorption process. J. A. Weedman. 2,643,972, June 30.
Continuous adsorption process. J. I. Harper. 2,644,018, June 30.
Continuous adsorption process. R. H. Rommel. 2,646,451, July 21.
Continuous aim gun control mechanism. H. Ernst and A. H. Hawley. 2,655,838, Oct. 20.
Continuous alkali refining of vegetable oils. A. U. Ayres. 2,663,719, Dec. 22.
Continuous carbonization of coal and oil mixtures. A. H. Schutte. 2,624,696, Jan. 6.
Continuous centrifuge of the type having an underflow return circuit. J. G. Glasson. 2,625,321, Jan. 13.
Continuous check stand. S. S. Rubaloff. 2,631,689, Mar. 17.
Continuous directional drilling. J. J. Arps. 2,658,284, Nov. 10.
Continuous distillation of heat sensitive compounds. K. E. Coulter. 2,664,391, Dec. 29.
Continuous esterification process. W. E. Cash and W. H. Gell. 2,644,009, June 30.
Continuous extracorporeal dialyzer. S. S. Rosenak and A. Saltzman. 2,650,709, Sept. 1.
Continuous extraction of oil from vegetable materials. R. H. Westergaard. 2,653,057, Sept. 29.
Continuous extraction of sugar from sugar beets, Method and apparatus for the. E. Langen. 2,645,589, July 14.
Continuous flow mixing, Method and apparatus for. R. F. Stearns. 2,645,463, July 14.
Continuous fluid hydroforming. R. E. MacPherson, Jr. and O. Schricker, Jr. 2,656,304, Oct. 20.
Continuous furnace. F. O. Hess. 2,638,333, May 12.
Continuous gluing press. H. H. Payzant. 2,662,564, Dec. 15.
Continuous grip transmission line apparatus. H. L. Bush. 2,647,699, Aug. 4.
Continuous heating and cooling of long flexible elements, Means for. H. L. Keller. 2,655,368, Oct. 13.
Continuous hydrocarbon conversion with a silica-alumina-chromium oxide catalyst. C. J. Plank and R. C. Hansford. 2,647,860, Aug. 4.
Continuous hydrogenation of sugars. L. Kasehagen. 2,642,462, June 16.
Continuous manufacture of yeast. E. G. Stich. 2,657,174, Oct. 27.
Continuous method and apparatus for the production of chlorine dioxide. E. E. Kesting. 2,664,341, Dec. 29.
Continuous method of preparing novolaks and devices suitable for such methods. H. Bloem and M. Stel. 2,663,699, Dec. 22.
Continuous molding of brassières and other three-dimensional articles. F. W. Manning. 2,644,779, July 7.
Continuous preparation of beaded phenolsulfonic acid-formaldehyde condensation product. H. Wallman. 2,652,386, Sept. 15.
Continuous preparation of crystals. N. Chaudoye and A. Fourdeux. 2,657,122, Oct. 27.
Continuous process for copolymerizing styrene and isobutylene. B. R. Tegge. 2,643,993, June 30.
Continuous process for separation of waxlike constituents from oil. H. V. Hess, G. B. Arnold, W. E. Skelton, and W. V. Overbaugh. 2,635,986, Apr. 21.
Continuous process for separation of wax-like constituents from oil. H. A. Kirsch, W. E. Skelton, and W. V. Overbaugh. 2,653,123, Sept. 22.
Continuous process for the alkaline alcoholysis of polyvinyl esters. L. M. Germain. 2,643,994, June 30.
Continuous progressive cylinder washer. D. W. Sessions. 2,645,914, July 21.
Continuous purification of soap. F. L. Lachampt. 2,653,958, Sept. 29.
Continuous resin process. G. A. Coleman, R. B. Greene, J. H. Merriam, S. P. Miller, and R. F. Shannon. 2,658,054, Nov. 3.
Continuous rotary pressure or vacuum filter. J. W. Little. 2,655,265, Oct. 13.
Continuous screening of fluids, Method and apparatus for the. C. H. Rowe and E. R. Mokros. 2,631,733, Mar. 17.
Continuous separator. L. Kasehagen. 2,656,895, Oct. 27.
Continuous stock feeder. J. F. Romans and S. V. Pockar. 2,633,625, Apr. 7.
Continuous treating apparatus. A. Goulding, Jr., and M. Jukich. 2,663,052, Dec. 22.
Continuously making vulcanized articles, Method of and apparatus for. G. E. Henning. 2,655,690, Oct. 20.
Continuously plating irregularly shaped objects, Method and apparatus for. O. F. Davis and H. G. Belitz. 2,638,423, May 12.
Continuously preparing a gypsum slurry. R. F. Zimmerman and J. H. Hoge. 2,625,381, Jan. 13.
Continuously uniting resin impregnated cellulosic webs for decorative coverings. D. H. Grangaard. 2,640,799, June 2.
Continuously variable resistor. W. J. Mairs. 2,659,794, Nov. 17.
Continuously variable resistor. W. J. Mairs. 2,662,150, Dec. 8.
Contour cam, Variable. M. A. Winter. 2,633,036, Mar. 31.
Contour inspection device. J. H. Osgood. 2,648,912, Aug. 18.
Contouring machine. A. C. Norsworthy, G. L. Meidinger, W. B. Mayo, and M. B. Seyffert. 2,637,950, May 12.
Contractometer. J. E. Shea. 2,634,605, Apr. 14.
Control. R. L. Jaeschke. 2,639,395, May 19.
Control. G. J. Mucner. 2,650,270, Aug. 25.
Control and drive mechanism for automatic washing, rinsing, and drying machines. P. E. Geldhof and L. Ringer. 2,625,248, Jan. 13.
Control and ignition system for fuel burners. C. K. Strobel. 2,625,216, Jan. 13.
Control apparatus. R. U. Dunn. 2,652,846, Sept. 22.
Control apparatus. D. P. Eckman. 2,630,824, Mar. 10.
Control apparatus. R. J. Ehret and W. Moore, Jr. 2,653,279, Sept. 22.
Control apparatus. F. H. Fellows and H. H. Gorrie. 2,662,509, Dec. 15.
Control apparatus. J. Hagen. 2,655,777, Oct. 20.
Control apparatus. R. H. Hill. 2,644,999, July 14.
Control apparatus. P. R. Lee. 2,655,621, Oct. 13.
Control apparatus. J. Liebermann. 2,647,190, July 28.
Control apparatus. W. Moore, Jr. 2,647,252, July 28.
Control apparatus. J. C. Mouzon. 2,642,530, June 16.
Control apparatus. J. Onia and G. S. Sirvis. 2,625,632, Jan. 13.
Control apparatus. J. D. Orndoff. 2,650,329, Aug. 25.
Control apparatus. C. H. Priesmeyer. 2,630,055, Mar. 3.
Control apparatus. R. R. Stevens. 2,627,328, Feb. 3.
Control apparatus. W. W. Voss. 2,626,106, Jan. 20.
Control apparatus. W. H. Wannamaker, Jr., and J. C. Mouzon. 2,661,454, Dec. 1.
Control apparatus. R. L. Wilson. 2,661,403, Dec. 1.
Control apparatus for aircraft. R. J. Kutzler. 2,634,925, Apr. 14.
Control apparatus for aircraft. W. J. McGoldrick. 2,655,327, Oct. 13.
Control apparatus for discharge valves. V. E. Lagrange and D. J. Parmesan. 2,663,459, Dec. 22.
Control apparatus for dividing fluid flow mechanisms. H. A. Lines. 2,661,757, Dec. 8.
Control apparatus for electric heating units. W. H. Vogelsberg. 2,648,755–6, Aug. 11.
Control apparatus for electric locks for railway track switches. W. R. Baker and R. M. Rosensteel. 2,664,500, Dec. 29.
Control apparatus for fluctuating electromechanical systems. R. L. Jaeschke. 2,641,759, June 9.
Control apparatus for fluid compressors. A. T. Gorman. 2,652,189, Sept. 15.
Control apparatus for hydraulic systems. C. S. Yingst. 2,632,459, Mar. 24.
Control apparatus for laundry and washing machines. H. Grimson and H. Davis. 2,642,565, June 16.
Control apparatus for plural clutch operation. R. R. Stevens. 2,627,168, Feb. 3.
Control apparatus for starting, stopping, running, and reversing an internal-combustion engine. R. E. Miller. 2,640,312, June 2.
Control apparatus for steam heating systems. V. D. Wissmiller. 2,661,907, Dec. 8.
Control apparatus for tandem engines. I. W. Simpkins. 2,630,871, Mar. 10.
Control apparatus for turbojet engines. L. Lee, II. 2,657,530, Nov. 3.
Control apparatus for vending machines. E. E. York. 2,660,284, Nov. 24.
Control arm adjusting device for wheel suspensions. C. G. Long. 2,630,330, Mar. 3.

Control arrangement for auxiliary compartments for refrigerators. E. F. Shell. 2,627,393, Feb. 3.
Control arrangement in central heating systems, Automatic. G. E. Ståhlberg. 2,661,906, Dec. 8.
Control assembly for coin or token operated vending machines. E. E. York. 2,639,016, May 19.
Control board. C. W. Johnson. 2,629,184, Feb. 24.
Control cam and apparatus for positioning the same. F. H. Owens. 2,643,552, June 30.
Control casing and manufacture thereof. G. W. Acock, H. G. Suppers, and H. W. Voorhees. 2,642,898, June 23.
Control center. E. F. Mekelburg. 2,648,032, Aug. 4.
Control circuit. W. L. Morris. 2,627,392, Feb. 3.
Control circuit. A. Warsher. 2,632,872, Mar. 24.
Control circuit for signal recording and reproducing systems. S. J. Begun. 2,629,861, Feb. 24.
Control circuits for dishwashing apparatus. D. F. Illian. 2,624,352, Jan. 6.
Control clip. V. L. Price. 2,634,473, Apr. 14.
Control device. G. R. Acklin and H. E. Perrey. 2,651,744, Sept. 8.
Control device. J. M. Bowman. 2,653,262, Sept. 22.
Control device. E. J. Dillman. 2,638,121, May 12.
Control device. J. J. Gano. 2,651,746, Sept. 8.
Control device. H. S. Gleason. 2,627,056, Jan. 27.
Control device. J. L. Harris. 2,638,979, May 19.
Control device. J. L. Harris. 2,657,283, Oct. 27.
Control device. J. L. Harris. 2,658,573, Nov. 10.
Control device. F. T. Irgens. 2,651,296, Sept. 8.
Control device. F. O. Johnson. 2,626,999, Jan. 27.
Control device. F. O. Johnson. 2,646,487, July 21.
Control device. W. H. Kreamer. 2,650,414, Sept. 1.
Control device. M. G. Leonard and J. A. Guidosh. 2,630,092, Mar. 3.
Control device. W. W. Mathews. 2,651,262–3, Sept. 8.
Control device. W. R. Miller. 2,633,914, Apr. 7.
Control device. J. E. Morrow and M. T. Edwards. 2,633,913, Apr. 7.
Control device. H. J. Schoelles. 2,638,015, May 12.
Control device adjustment means. B. J. Homkes. 2,645,945, July 21.
Control device for electrical appliances. J. E. Brosseau. 2,632,085, Mar. 17.
Control device for electrical circuits. H. C. Warner. 2,648,726, Aug. 11.
Control device for fluid compressors. J. Le Valley. 2,661,893, Dec. 8.
Control device for fuel systems. A. J. Morris. 2,654,994, Oct. 13.
Control device for gun perforators. L. Spencer. 2,655,993, Oct. 20.
Control device for hydraulic presses. O. C. G. Wennberg. 2,636,433, Apr. 28.
Control device for oil burners. R. F. Andler. 2,645,411, July 14.
Control device for printing rollers in printing machines. P. Deck. 2,638,048, May 12.
Control device for refrigeration system. C. W. Coblentz. 2,651,691, Sept. 8.
Control device for the recording mechanism of weighing apparatus. A. van Duyn. 2,654,596, Oct. 6.
Control device for use in automatic signaling systems. R. B. Buchner. 2,663,760, Dec. 22.
Control electrode-anode structure for gas discharge devices. E. O. Johnson. 2,660,685, Nov. 24.
Control for absorption refrigeration systems. H. C. Shagaloff and P. A. Cooper. 2,654,229, Oct. 6.
Control for aerial torpedoes. R. H. Hill and J. H. Guyton. 2,647,707, Aug. 4.
Control for aircraft, Automatic. F. F. Hauptman. 2,630,987, Mar. 10.
Control for aircraft gas-turbine power plants having variable-pitch airscrews. L. Haworth. 2,646,847, July 28.
Control for apparatus for dispensing compressed fluid in pulses. G. J. Heckman and E. M. Paterwic. 2,663,310, Dec. 22.
Control for automatic washing machines. J. Bochan. 2,656,431, Oct. 20.
Control for charging fluid containers. E. C. Filstrup, Jr. 2,630,826, Mar. 10.
Control for closed vessels. D. B. Bell. 2,643,025, June 23.
Control for constant-speed, variable-pitch propellers. B. H. Slatter and T. G. Daish. 2,628,684, Feb. 17.
Control for electric ovens. G. W. Schroeder. 2,654,824, Oct. 6.
Control for engine turbosupercharger systems. F. Nettel. 2,654,991, Oct. 13.
Control for fluid operated presses. B. A. Buss. 2,655,744, Oct. 20.
Control for hydraulic presses. R. K. Sedgwick. 2,633,708, Apr. 7.
Control for internal-combustion engines. J. M. Eastman. 2,651,297, Sept. 8.
Control for machine tools. J. E. Makant, G. W. Smithson, and K. R. Wunschel. 2,629,163, Feb. 24.
Control for material working machines. E. J. Bohaboy and L. A. Pojman. 2,655,240, Oct. 13.
Control for model airplanes. E. E. Turner. 2,659,999, Nov. 24.
Control for multimotor drives. C. P. Feldhausen. 2,653,283, Sept. 22.
Control for multiple engines. C. H. Jorgensen, Nickel, H. H. Dietrich, and D. P. Worden. 2,
Jan. 20.
Control for photographic copying apparatus. Wightman. 2,657,612, Nov. 3.
Control for plunger lifts. H. C. Tait. 2,
Aug. 25.
Control for pneumatic cable-tool drills. J. H. 2,660,404, Nov. 24.
Control for propeller governor having delayed speed regulation. P. T. Nims and B. C. Ja 2,661,806, Dec. 8.
Control for rapid film processing. C. M. 2,631,511, Mar. 17.
Control for reversible agricultural implements. Nelson. 2,633,788, Apr. 7.
Control for reversing propellers, Automatic. M. fellow. 2,632,516, Mar. 24.
Control for revolving drum vending machines. Frankle. 2,640,574, June 2.
Control for screen exciting oscillator. C. N. Hood W. S. Oakes, Jr. 2,637,005, Apr. 28.
Control for spray equipment. C. A. Fresc. 2, Nov. 24.
Control for steering brakes, Automatic. R. Q. Ar 2,630,869, Mar. 10.
Control for stepping mechanism. H. B. Brown. 2, Mar. 3.
Control for the landing gear of aircraft. J. F. I 2,647,708, Aug. 4.
Control for toasters, Bread-actuated. M. 2,662,466, Dec. 15.
Control for tractor mounted manure loaders. Struthers and G. W. Schroeder. 2,638,237, M
Control for transmission gearing in multiengin plants. L. F. R. Fell. 2,637,169, May 5.
Control for turbine-driven compressors. J. M. 2,647,682, Aug. 4.
Control for vaporizing oil burners with electric A. L. Judson. 2,640,648, June 2.
Control gate for bottle vending machines. F. N 2,626,849, Jan. 27.
Control instrument with follow-up, Pneumati erated. E. H. Woodhull. 2,638,874, May 19.
Control line reel. O. K. Foster and G. C. Jack. 2, Mar. 24.
Control lock. F. A. de Wiess. 2,631,704, Mar. 1
Control means for aircraft power plant insta W. A. Andrews. 2,629,569, Feb. 24.
Control means for automatic grinding machines. Fraser. 2,648,175, Aug. 11.
Control means for automatically operated doors Roby. 2,641,466, June 9.
Control means for automotive vehicles. A. Y 2,640,372, June 2.
Control means for buttonholing apparatus. Leonard. 2,645,190, July 14.
Control means for coffee-making apparatus. G. brese. 2,644,478, July 7.
Control means for electrical distribution. I. E. 2,627,013, Jan. 27.
Control means for film reel storage cabinets. 2,639,957, May 26.
Control means for flying machines. J. A. M. 2,638,290, May 12.
Control means for fuel systems of gas turbine S. M. Viale. 2,664,151, Dec. 29.
Control means for hydraulic pump and motor W. H. Marsh and W. I. Smith. 2,635,428, Apr
Control means for internal-combustion engines. 2,649,847, Aug. 25.
Control means for liquid dispensing apparatus. Bliss and O. Wild, Jr. 2,660,335, Nov. 24.
Control means for phonographs. E. W. 2,640,705, June 2.
Control means for power lawn mowers. H. T. 2,641,889, June 16.
Control means for tractor-connected implements Acton. 2,638,046, May 12.
Control means for use with ejection seat of J. Martin. 2,638,294, May 12.
Control mechanism. W. D. Berry, S. G. Vigars, a Adamek. 2,632,122, Mar. 17.
Control mechanism. W. De L. Berry. 2,635,200,
Control mechanism. L. J. Moulton. 2,650,580,
Control mechanism. T. R. Smith. 2,646,067, Ju
Control mechanism. J. N. Victor. 2,638,164, M
Control mechanism. O. Wright. 2,642,097, June
Control mechanism, Dual. H. H. Wagner. 2 Dec. 1.
Control mechanism for accounting machines. R. tian and J. R. Ganger. 2,644,636, July 7.
Control mechanism for aircraft surfaces. H. I. 2,628,044, Feb. 10.
Control mechanism for awning type windows, Wiley. 2,639,474, May 26.
Control mechanism for brake holders. G. A. and A. H. Green. 2,637,416, May 5.
Control mechanism for centrifugal charging va G. Cox. 2,638,225, May 12.
Control mechanism for clothes driers. K. M. 2,645,032, July 14.

Control mechanism for coin counting machines. A. R. Buchholz. 2,645,234, July 14.
Control mechanism for combination washers and driers. L. L. Miller. 2,656,695, Oct. 27.
Control mechanism for commercial laundry machines. R. L. Fitzgerald. 2,642,080, June 16.
Control mechanism for controlling valves. H. N. Bliss. 2,634,884, Apr. 14.
Control mechanism for door latches. E. L. Allen. 2,644,712, July 7.
Control mechanism for electrically driven apparatus. J. M. Eitel. 2,627,560, Feb. 3.
Control mechanism for engine driven compressors. H. H. Rambo. 2,639,083, May 19.
Control mechanism for hydraulic systems of rotary drilling rigs. R. R. Crookston. 2,638,319, May 12.
Control mechanism for jet driven aircraft sustaining rotor blades. H. F. Pitcairn. 2,638,991, May 19.
Control mechanism for milking systems. L. Van der Plate. 2,641,223, June 9.
Control mechanism for motor operated chairs and the like. N. E. Lauterbach. 2,651,351, Sept. 8.
Control mechanism for outboard motors. R. C. Heidner and H. D. Palmer. 2,644,419, July 7.
Control mechanism for oven burners. C. M. Mayer and J. M. Hoff. 2,635,632, Apr. 21.
Control mechanism for oven burners. C. M. Mayer and J. M. Hoff. 2,637,388–9, May 5.
Control mechanism for photographic copying apparatus. G. W. Schnetzer, Jr. 2,649,018, Aug. 18.
Control mechanism for pneumatically operated railway dump cars. E. O. Lunde. 2,647,471, Aug. 4.
Control mechanism for preventing motor vehicles from creeping with provision for maintaining a constant restraining force. I. B. Chandler. 2,638,118, May 12.
Control-mechanism for pyrophoric lighters of the gaseous fuel type. A. P. Anderson. 2,633,724, Apr. 7.
Control mechanism for relief valves. J. R. Curran. 2,643,676, June 30.
Control mechanism for vehicles. H. W. Hughes. 2,658,409, Nov. 10.
Control mechanism for washing machines and the like. T. R. Smith. 2,635,446, Apr. 21.
Control mechanism for well pumps. J. M. West. 2,642,507, June 16.
Control mechanism, Magnetically operated. A. P. Gauvreau. 2,632,820, Mar. 24.
Control of aircraft, Automatic and manual. E. A. Stalker. 2,628,793, Feb. 17.
Control of aquatic plants. A. W. Swezey. 2,642,351, June 16.
Control of aquatic weeds. A. W. Swezey. 2,642,352, June 16.
Control of arc operation. A. D. Wiley. 2,662,201, Dec. 8.
Control of camera-subject motion in motion-picture photography. G. L. Stancliff, Jr., and H. G. Jennings. 2,648,252, Aug. 11.
Control of carrier transmission systems by pilot frequencies. F. C. Wright, K. G. Hodgson, and A. H. Roche. 2,626,993, Jan. 27.
Control of driving motors of teleprinters. L. S. Munck. 2,649,497, Aug. 18.
Control of electric arcs used in welding or metal spraying processes. W. E. Ballard. 2,646,492, July 21.
Control of electrical supply for dental apparatus. B. H. Woodruff. 2,650,990, Sept. 1.
Control of electrically effected adjustments of horizontal boring machines. H. W. L. Kearns. 2,639,412, May 19.
Control of emulsion heat, Method and means for the. D. Dalin and T. J. Hedbäck. 2,635,815, Apr. 21.
Control of flow of granular material. C. S. Reed. 2,642,206, June 16.
Control of gas product streams in adsorption process and apparatus. H. Kehde. 2,630,876, Mar. 10.
Control of internal-combustion engines. G. J. Waring. 2,633,115, Mar. 31.
Control of the ignition means in injection type internal-combustion engines. J. B. Malin. 2,628,600, Feb. 17.
Control of undesired vegetation, Method and composition for the. K. C. Barrons. 2,642,354, June 16.
Control of variable pitch airscrews for aircraft. J. Martin. 2,655,998, Oct. 20.
Control of wave length in wave guide and coaxial lines. N. L. Cohen, L. Goldstein, and W. Sichak. 2,641,702, June 9.
Control of wave length in wave guides. M. G. White. 2,648,000, Aug. 4.
Control of webs in web-handling machines, Method and apparatus for. O. Cooksey. 2,653,336, Sept. 29.
Control of wool shrinkage by polyamides. I. P. Hammer and J. B. Rust. 2,644,773, July 7.
Control operator for hydraulic pumps. W. R. Tucker and G. R. Pittman. 2,648,312, Aug. 11.
Control or metering system. J. Razek. 2,627,058, Jan. 27.
Control panel. H. Dreyfuss, W. Winterbottom, and K. L. Maier. 2,655,176, Oct. 13.
Control plate for accounting machines, Removable. W. A. Anderson. 2,634,051, Apr. 7.
Control pulse-distributing system. A. Kienast. 2,640,188, May 26.
Control responsive to fluid level. W. M. Dillon. 2,631,601, Mar. 17.
Control switch. W. H. Hollinshead. 2,658,397, Nov. 10.
Control system. W. I. Caldwell and E. H. Woodhull. 2,638,921, May 19.
Control system. I. B. Cooper, Jr. 2,647,229, July 28.
Control system. P. S. Dickey. 2,629,552, Feb. 24.
Control system. C. S. Draper and Y. T. Li. 2,628,606, Feb. 17.
Control system. V. R. Kimball and A. Drenkard, Jr. 2,642,567, June 16.
Control system. N. E. Klein. 2,638,731, May 19.
Control system. J. W. Lauricella and F. E. Hagen. 2,655,629, Oct. 13.
Control system. J. W. Picking. 2,636,692, Apr. 28.
Control system. V. S. Rutherford, A. J. Hornfeck, and P. S. Dickey. 2,662,540, Dec. 15.
Control system. C. Yeomans. 2,644,405, July 7.
Control system, Automatic. F. W. Meredith. 2,649,564, Aug. 18.
Control system, Cotton feed. W. W. Bledsoe. 2,657,474, Nov. 3.
Control system for a plurality of related variables. C. H. Smoot. 2,644,642, July 7.
Control system for automatic single-chamber compressed air brakes. S. Keller. 2,661,248, Dec. 1.
Control system for automatically fed furnaces for solid organic fuels. W. J. Hatton. 2,656,799, Oct. 27.
Control system for billet marking. H. E. Muller, Sr. 2,646,746, July 28.
Control system for cloth laying machines. W. E. and N. N. Shaak. 2,659,597, Nov. 17.
Control system for controlling the temperatures of individual enclosures. T. J. Lehane. 2,660,407, Nov. 24.
Control system for craft operable in space. C. R. Hanna. 2,638,288, May 12.
Control system for cutting apparatus. E. C. Hartwig. 2,640,152, May 26.
Control system for cutting apparatus. W. Schaelchlin. 2,634,811, Apr. 14.
Control system for cutting apparatus. F. Vandenberg. 2,655,994, Oct. 20.
Control system for diesel engines. S. W. Newell. 2,628,607, Feb. 17.
Control system for dirigible craft. C. R. Hanna and K. A. Oplinger. 2,656,134, Oct. 20.
Control system for dynamoelectric machines. L. E. Buess. 2,636,996, Apr. 28.
Control system for electric motors. E. Pell. 2,634,386, Apr. 7.
Control system for fluid pressure actuated propeller clutches. R. C. Brooks. 2,642,972, June 23.
Control system for folding machines. E. H. Spreckelmeier. 2,643,879, June 30.
Control system for model airplanes. K. D. Sneed. 2,624,152, Jan. 6.
Control system for multiple-point measuring instrument. W. McAdam. 2,657,376, Oct. 27.
Control system for oil well pumps. M. V. Long and F. C. Schneider. 2,661,697, Dec. 8.
Control system for plurality of liquid dispensing devices. J. B. Moore and R. R. Trexler. 2,652,948, Sept. 22.
Control system for refrigerant condensing units. W. F. Borgerd. 2,651,182, Sept. 8.
Control system for reversible hydraulic motors. F. B. Levetus. 2,624,321, Jan. 6.
Control system for rocket motors. F. B. Halford, A. V. Cleaver, and E. B. Dove. 2,659,197, Nov. 17.
Control system for rotary duplicating machines. T. F. Eserkain. 2,629,844, Feb. 24.
Control system for stage encore curtain hoisting motors. P. M. Fischer. 2,626,375, Jan. 20.
Control system for tandem rotor helicopters. H. S. Campbell. 2,659,551, Nov. 17.
Control system for tandem rotor helicopters. G. W. Magill. 2,663,371, Dec. 22.
Control system for transmissions. G. P. Marco. 2,658,403, Nov. 10.
Control system for window shutters. O. Vicci. 2,654,427, Oct. 6.
Control system for windshield wipers. L. Zaiger and R. I. Lappin. 2,649,562, Aug. 18.
Control system having a manual transfer. J. G. Horn. 2,638,117, May 12.
Control system, Pneumatically operated. W. I. Caldwell. 2,638,922, May 19.
Control system, Pneumatically operated. A. W. Griswold and N. B. Nichols. 2,638,911, May 19.
Control system, Pneumatically operated. E. H. Woodhull. 2,638,920, May 19.
Control system responsive to presence of magnetic materials. E. A. Lecher. 2,636,933, Apr. 28.
Control system suitable for automatic coffee makers. A. C. Purpura. 2,662,160, Dec. 8.
Control system, Switch and signal. N. D. Preston. 2,649,536, Aug. 18.
Control system, Television raster shape. R. K. Lockhart. 2,649,555, Aug. 18.
Control system, Thermomechanical. H. J. Frey. 2,662,992, Dec. 15.
Control unit for pinhole detectors. W. E. Coleman. 2,655,620, Oct. 13.
Control unit for steam generators. C. F. Erikson. 2,646,751, July 28.

Control unit for thermostatic valves. C. F. Fernald. 2,628,783, Feb. 17.
Control valve. R. H. Brandes and R. C. Treseder. 2,630,136, Mar. 3.
Control valve. H. J. Dunkelow. 2,655,167, Oct. 13.
Control valve. R. D. McLeod. 2,646,820, July 28.
Control valve. C. E. Miller. 2,630,827, Mar. 10.
Control valve. J. Naab. 2,633,288, Mar. 31.
Control valve. J. W. Overbeke. 2,653,003, Sept. 22.
Control wheel and wiring. J. H. Bennett, Jr. 2,641,629, June 9.
Controllable electric resistance device. E. H. G. Spenke, F. W. G. Rose, and E. G. R. Waldkötter. 2,648,805, Aug. 11.
Controllable multivibrator circuit. A. H. Dickinson. 2,641,706, June 9.
Controllable pitch propeller. H. J. Nichols. 2,629,451, Feb. 24.
Controlled atmosphere annealing furnace. E. L. Kerr. 2,628,830, Feb. 17.
Controlled damping servo mechanism. R. I. Berge. 2,654,999, Oct. 13.
Controlled fluid dispensing container. H. D. Rives. 2,641,385, June 9.
Controlled, heterogeneous hydrolysis of polymeric esters. R. W. Nebel. 2,657,201, Oct. 27.
Controlled impedance gas discharge device for mechanical transmission mediums. A. A. Varela. 2,646,550, July 21.
Controlled induction heating with scanning. J. A. Redmond. 2,647,200, July 28.
Controlled noise-reduction means for typewriters. C. Schroder. 2,639,020, May 19.
Controlled polymerization process. W. J. Sparks and J. F. Nelson. 2,625,538, Jan. 13.
Controlled pressurizing of pumps. J. P. Johnson. 2,639,672, May 26.
Controlled temperature vapor-bath cabinet. O. R. Burwell. 2,640,201, June 2.
Controlled variable coolant system for engines. M. E. Hartz. 2,656,825, Oct. 27.
Controller. H. L. Bowditch. 2,631,570, Mar. 17.
Controller. B. I. Ulinski. 2,632,819, Mar. 24.
Controller for electric motor driven apparatus. A. T. Calvert. 2,625,672, Jan. 13.
Controller for electric motors. J. T. Kennedy and E. U. Lassen. 2,634,390, Apr. 7.
Controller for liquid level or the like. D. K. McIlvaine and W. P. Myers, Jr. 2,629,826, Feb. 24.
Controller for loom dobby fingers. R. G. Turner. 2,643,682, June 30.
Controller having means for manually adjusting the set point with a varying ratio of motion multiplication. E. C. Burdick. 2,654,062, Sept. 29.
Controlling a dredging operation, Method and apparatus for. O. W. Graham. 2,661,550, Dec. 8.
Controlling a liquid-operated servo mechanism, Means for. T. A. Harris. 2,658,482, Nov. 10.
Controlling aircraft in flight, Means for. J. A. Chamberlin. 2,661,170, Dec. 1.
Controlling apparatus. L. E. Harper. 2,662,665, Dec. 15.
Controlling blast furnaces, Method and apparatus for. O. J. Leone. 2,625,386, Jan. 13.
Controlling character width or spacing in apparatus for composing or reproducing typographical and like matter, Means for. H. G. Croucher. 2,650,697, Sept. 1.
Controlling combustion system of gas-turbine engines. A. A. Griffith. 2,651,175, Sept. 8.
Controlling deviation in drilling. D. S. Johnston. 2,646,254, July 21.
Controlling device for engine driven compressor units. C. S. Baker. 2,629,536, Feb. 24.
Controlling edging machines, Means for. C. A. Ellis. 2,653,427, Sept. 29.
Controlling electrical demand, Method and device for. W. H. Lake. 2,628,318, Feb. 10.
Controlling fluid infiltration. L. J. Neuman. 2,625,374, Jan. 13.
Controlling foam in submerged and aerated propagation of microorganisms. W. O. Gordon and M. K. Veldhuis. 2,635,070, Apr. 14.
Controlling means for battery chargers. C. B. Berg. 2,627,060, Jan. 27.
Controlling pressure between bells of blast furnaces. W. L. Dawbarn. 2,658,636, Nov. 10.
Controlling refrigeration systems, Means and method of. L. R. Erwin and J. B. Griffith. 2,624,181, Jan. 6.
Controlling stem end decay of citrus fruits, Methods and compositions for. M. A. Slade, Jr., and R. D. Gerwe. Re. 23,762, Dec. 29.
Controlling susceptance of a post type obstacle. R. B. Reade. 2,645,679, July 14.
Controlling the air supply in furnaces and like heating appliances, Means for. M. W. Thring and F. B. Karthauser. 2,663,272, Dec. 22.
Controlling the brakes of motor vehicles, Means for. A. and J. Weiss. 2,630,195–6, Mar. 3.
Controlling the density of the apex discharge of a cyclone, Process and apparatus for. O. H. Wright, J. L. Weaver, and E. B. Fitch. 2,648,433, Aug. 11.
Controlling the motion of masses adapted to pe... tational and rectilinear motion, Means for... Daniels. 2,648,281, Aug. 11.
Controlling the operation of doors or the like, M... W. S. Pattison and E. B. Hawthorne. ... Oct. 6.
Controlling the rate of discharge of liquid su... from containers. F. J. Fontein. 2,634,741, ...
Controlling the rate of supply of liquid fuel ... movers, Means for. T. A. Harris. 2,655,945, ...
Controlling the supply of liquid fuel to combust... movers, Means for. O. N. Lawrence. ... Nov. 3.
Controlling the viscosity of a processing liqui... and apparatus for. A. S. Norcross, 2,630,81...
Controlling the viscosity of drilling muds. W. E... 2,636,857, Apr. 28.
Controlling warpage in iron castings during... L. O. Kittelson. 2,632,944, Mar. 31.
Controls for steam-water cleaning apparatu... Stoner and S. W. Lillie. 2,641,508, June 9.
Convection heater. B. Spieth. 2,656,780, O...
Conversation timing controlled in linefinders... peaters. C. E. Lomax. 2,652,455, Sept. 15.
Conversation timing in telephone systems. C... 2,647,163, July 28.
Conversion arrangement for suction cleaner... Osborn. 2,644,976, July 14.
Conversion from direct current to double voice ... impulsing. L. R. Brown. 2,626,996, Jan.
Conversion of carbohydrates to polyhydric al... Koome and C. N. J. de Nooijer. 2,650,941, Se...
Conversion of ethylene oxide to valuable produc... Davis. 2,636,906, Apr. 28.
Conversion of heavy hydrocarbonaceous mater... presence of subdivided coke. F. W. Leffer. ... Dec. 1.
Conversion of heavy hydrocarbons. L. K... 2,633,449, Mar. 31.
Conversion of heavy hydrocarbons. H. ... 2,662,051, Dec. 8.
Conversion of hydrocarbon materials. R. A... 2,656,307, Oct. 20.
Conversion of hydrocarbon oils. R. B. Ewell. ... Dec. 22.
Conversion of polyhydric phenols and ethers of ... phenols. H. Pines and J. A. Vesely. 2,625,57...
Conversion of reduced crudes in the presence o... naphtha. C. N. Kimberlin, Jr., C. E. Ads... Krebs, and R. W. Richardson. 2,636,844, Ap...
Conversion of sodium sulfide to sodium sulf... Greenawalt. 2,642,336, June 16.
Conversion of sulfur dioxide to sulfur with hyd... R. A. Patton. 2,657,119, Oct. 27.
Conversion or cracking of light and heavy oil ... the presence of subdivided contact material. ... fer. 2,662,844, Dec. 15.
Conversion system. W. I. L. Wu and V. V... 2,634,393, Apr. 7.
Converter and other electrical apparatus with ... mutators. P. M. G. Toulon. 2,650,305, A...
Converter arrangement for suction cleaners. E... 2,632,913, Mar. 31.
Converter circuit. F. X. Beck and H. T... 2,654,836, Oct. 6.
Converter for suction cleaners. H. B. White. ... Oct. 13.
Converter system. H. J. Brown. 2,633,560, M...
Convertible air hose coupling. H. T. Seale. ... June 9.
Convertible apparatus for use in care of infa... other purposes. R. Laufer. 2,661,791, Dec...
Convertible beach chair. M. V. Frisch. ... Nov. 24.
Convertible chair. J. J. Duffy and J. Corngold. ... Nov. 3.
Convertible chair. E. B. and E. A. Lehman. ... Mar. 31.
Convertible chair. W. H. Murphy. 2,646,107...
Convertible earring. J. F. McDonald. 2,629,...
Convertible high-low baby chair. L. W. Yost. ... Sept. 29.
Convertible loom. J. G. E. Klaesson. 2,640,...
Convertible railway car. G. B. Dorey. 2,648,2...
Convertible seat. E. L. Schofield. 2,655,197...
Convertible seat. J. R. Thomas. 2,632,897, ...
Convertible table chair. S. L. Specter and S... 2,658,554, Nov. 10.
Convertible top boot construction. A. Kavalar ... Dec. 29.
Convertible truck and trunk compartment ... mobiles. F. C. Gonzalez. 2,626,179, Jan.
Convertible vehicle. W. Wiesner and F. Field ... Nov. 24.
Converting crystalline alumina hydrate to alp... J. W. Newsome. 2,642,337, June 16.
Converting fibrous cellulose into an easily ... form. J. Downing and J. G. N. Drewitt. ... Dec. 29.
Converting hydrocarbons, Method of and ap... E. J. Houdry. 2,646,391, July 21.

Converting liquid fuel, Means for. W. T. Taylor. 2,637,173, May 5.
Converting olefinic hydrocarbons to ketones. H. de V. Finch and K. E. Furman. 2,635,119, Apr. 14.
Converting reactant materials, Process and apparatus for. H. A. Dutcher and C. E. Alleman. 2,631,967, Mar. 17.
Converting sapogenins into pseudosapogenins. D. H. Gould and E. B. Hershberg. 2,632,008, Mar. 17.
Converting textile fibers, Process and apparatus for. N. E. Klein. 2,641,804, June 16.
Converting volcanic ash to cellular particles. A. L. Burwell. 2,637,702, May 5.
Conveyer. R. A. De Witt. 2,658,605, Nov. 10.
Conveyer. P. Kneer. 2,638,024, May 19.
Conveyer. F. S. Schrage. 2,628,701, Feb. 17.
Conveyer. W. G. Schutt. 2,640,579, June 2.
Conveyer. S. J. Spurgeon and R. O. Kimbro. 2,647,617, Aug. 4.
Conveyer. J. Thomson. 2,629,484, Feb. 24.
Conveyer. W. S. Whiting, Jr. 2,627,339, Feb. 3.
Conveyer and adhesive applicator for carton blanks. J. A. Zinn, Jr. 2,651,283, Sept. 8.
Conveyer and means for mounting and driving the same, Swivel. R. W. Kling. 2,648,422, Aug. 11.
Conveyer and shifter guide mechanism. E. R. Koppel and W. J. Walters. 2,627,334, Feb. 3.
Conveyer and the like having interrupted flights, Screw. H. S. Messing. 2,663,405, Dec. 22.
Conveyer and transfer apparatus. W. R. Vincent. 2,651,401, Sept. 8.
Conveyer and transfer mechanism for use with weighing machines. C. Best. 2,653,698, Sept. 29.
Conveyer apparatus. G. W. Merritt. 2,660,293, Nov. 24.
Conveyer apparatus. J. F. Naylor. 2,642,178, June 16.
Conveyer apparatus and supporting mechanism therefor. S. M. Mercier. 2,642,984, June 23.
Conveyer apparatus, Container-aligning. J. Black and O. Hedstrom. 2,662,632, Dec. 15.
Conveyer apparatus for eviscerating shrimp. A. J. Avetta and T. Scardamalia. 2,626,701, Jan. 27.
Conveyer apparatus for heat-treating metal parts. H. N. Ipsen. 2,639,047, May 19.
Conveyer, Article raising or lowering. E. A. Wahl, W. Boehl, and O. A. Badenhausen. 2,628,708, Feb. 17.
Conveyer, Banked. W. Kingsbury. 2,641,354, June 9.
Conveyer, Belt. J. R. Madeira. 2,640,582, June 2.
Conveyer belt. J. J. Moynihan. 2,658,607, Nov. 10.
Conveyer belt. C. Thomson and S. H. Gordon. 2,656,035, Oct. 20.
Conveyer belt and making same. C. C. Curtis. 2,655,195, Oct. 13.
Conveyer belt cleaner. P. E. Bowman. 2,652,020, Sept. 22.
Conveyer belt control. R. M. Buckeridge and W. E. Goodman. 2,649,955, Aug. 25.
Conveyer belt control. G. T. Smith. 2,625,256, Jan. 13.
Conveyer belt driving unit. A. W. Duncan. 2,639,802, May 26.
Conveyer belt protective device. R. Q. Armington.
Conveyer belt provided with elevator scoops. M. A. Hovers. 2,624,446, Jan. 6.
2,626,469, Jan. 27.
Conveyer belt, Woven wire. D. G. Merrill. 2,657,788, Nov. 3.
Conveyer, Bucket. H. W. Hapman. 2,638,205, May 12.
Conveyer, Bucket. W. A. Melchior and A. R. Graff. 2,663,402, Dec. 22.
Conveyer chain. G. R. Kew. 2,660,898, Dec. 1.
Conveyer chain. O. J. B. Orwin. 2,640 585, June 2.
Conveyer, Chain. W. L. Van Doren. 2,652,143, Sept. 15.
Conveyer chain. J. L. Woolling. 2,655,250, Oct. 13.
Conveyer chain. H. W. Wylie. 2,649,812, Aug. 25.
Conveyor chain link. J. I. Carlson. 2,654,464, Oct. 6.
Conveyer chute, Nonsegregating. J. N Perry. 2,646,865, July 28.
Conveyer, Container handling. C. A. Shuttleworth. 2,637,433, May 5.
Conveyer, Continuous flow flight. J. H. Hampton. 2,635,734, Apr. 21.
Conveyer control table. T. R. Sykes. 2,636,654, Apr. 28.
Conveyer coupling. F. P. Downey. 2,630,341, Mar. 3.
Conveyer distribution system for aggregate materials. A. J. Stock. 2,626,719, Jan. 27.
Conveyer, Dough. L. V. Lewis. 2,664,214, Dec. 29.
Conveyer drive, Belt. S. D. Robins. 2,650,695, Sept. 1.
Conveyer drive mechanism. G. Todd. 2,654,462, Oct. 6.
Conveyer drive, Self-braking. R. Petterson and L. G. Weygandt. 2,663,404, Dec. 22.
Conveyer, Endless. D. C. Bortner. 2,643,760, June 30
Conveyer, Endless. F. G. Mitchell. 2,637,455, May 5.
Conveyer, Endless belt. T. R. Black. 2,648,423, Aug. 11.
Conveyer, Endless flight. A. A. Kottmann. 2,631,716, Mar. 17.
Conveyer, Extensible shaker. W. W. Sloane. 2,631,719, Mar. 17.
Conveyer extension, Auxiliary. H. A. Tintes. 2,662,634, Dec. 15.
Conveyer feed mechanism. G. L. Hager. 2,664,189, Dec. 29.
Conveyer feeding and proportioning apparatus, Shaker. D. Soucek. 2, 642, 980, June 23.
Conveyer, Flight. A. R. and J. B. Long. 2,657,787, Nov. 3.
Conveyer flight cleaner. H. W. Baehr. 2,636,593, Apr. 28.
Conveyer, Flexible. H. N. Ipsen. 2,626,041, Jan. 20.
Conveyer, Food service. W. L. Springer. 2,644,567, July 7.
Conveyer for banana bunches. R. M. Winslow. 2,658,610, Nov. 10.
Conveyer for cartoning machines, Adjustable. A. H. Ross. 2,628,542, Feb. 17.
Conveyer for conduits and similar elongated articles. A. C. Adams. 2,627,340, Feb. 3.
Conveyer for corn harvesters. M. L. Swanson. 2,643,759, June 30.
Conveyer for grain combines, Straw. D. P. Keith. 2,659,374, Nov. 17.
Conveyer for grain combines, Straw. D. P. Keith. 2,662,529, Dec. 15.
Conveyer for harvester pickups, Adjustable. B. Lemanski. 2,644,291, July 7.
Conveyer for heat-treating furnaces, Work. W. H. Holcroft. 2,658,633, Nov. 10.
Conveyer for mining machines, Articulated. R. C. Lundquist. 2,646,871, July 28.
Conveyer for moving trucks over tracks. W. A. Woodard. 2,636,446, Apr. 28.
Conveyer for poultry feeding apparatus, Endless. A. J. Bohman. 2,645,331, July 14.
Conveyer for self-loading road building machines, Earth moving and vehicle propelling. H. R. Miller. 2,651,120, Sept. 8.
Conveyer furnace. D. P. Cooper. 2,634,964, Apr. 14.
Conveyer, Grain. D. L. Brackett. 2,643,159, June 23.
Conveyer, Helical vibratory. R. M. Carrier, Jr. 2,630,209, Mar. 3.
Conveyer, Helical vibratory. W. V. Spurlin. 2,658,286, Nov. 10.
Conveyer, Hook. R. B. Vogt. 2,633,226, Mar. 31.
Conveyer housing. P. V. Whitney. 2,656,036, Oct. 20.
Conveyer, Lateral bend. E. F. Koerber. 2,633,975, Apr. 7.
Conveyer, Laterally flexible mine. J. F. Joy. Re. 23,618, Feb. 10.
Conveyer, Linked endless flexible. W. C. Miller. 2,653,699, Sept. 29.
Conveyer, loading. W. B. Barnum. 2,634,870, April 14.
Conveyer, Loading. J. J. Eberle. 2,627,960, Feb. 10.
Conveyer loading station. K. McCann and R. F. Lo Presti. 2,661,829, Dec. 8.
Conveyer, Magnetic rail. D. Buccicone. 2,642,174, June 16.
Conveyer marker. M. Mann. 2,636,436, Apr. 28.
Conveyer means, Automatic station-to-station delivery. M. E. Abitz. 2,640,581, June 2.
Conveyer mechanism. T. J. Bailey. 2,626,699, Jan. 27.
Conveyer mechanism. J. E. von Maur. 2,657,696, Nov. 3.
Conveyer mechanism for box wrapping machines. C. J. Peterson. 2,624,448, Jan. 6.
Conveyer mechanism for small grain elevators, Hopper and extension. M. W. Roscoe and R. L. Beldin. 2,640,577, June 2.
Conveyer mechanism with article turning units. J. E. Socke. 2,643,778, June 30.
Conveyer, Mine. J. F. Joy. 2,630,207, Mar. 3.
Conveyer, Multiple cycle. A. R. De Burgh. 2,640,607, June 2.
Conveyer, Pitting and stuffing apparatus. M. E. Francisco. 2,644,569, July 7.
Conveyer, Portable. H. T. Loberg. 2,657,786, Nov. 3.
Conveyer, Portable. T. R. Mahoney. 2,642,175, June 16.
Conveyer, Portable. J. B. Wetherington and W. F. Rhem. 2,626,039, Jan. 20.
Conveyer, Portable end extensible. W. F. Vickers. 2,631,715, Mar. 17.
Conveyer, Reciprocating. S. J. Gedris. 2,650,696, Sept. 1.
Conveyer return idler assembly, Multirubber tired adjustably spaced. S. M. Mercier. 2,644,575, July 7.
Conveyer roll assembly. F. J. Wright. 2,632,560, Mar. 24.
Conveyer, Scraper chain. A. W. Duncan. 2,633,230, Mar. 31.
Conveyer, Self-cleaning. G. M. Jones. 2,646,159, July 21.
Conveyer, Shaker. C. N. Bebinger. 2,633,232, Mar. 31.
Conveyer, Shaker. E. R. Bergmann. 2,661,834, Dec. 8.
Conveyer, Shaker. R. M. Carrier, Jr., and M. G. Whitley. 2,630,211, Mar. 3.
Conveyer, Shaker. F. P. Somogyi. 2,657,789, Nov. 3.
Conveyer, Sheet. A. J. Albrecht. 2,639,664, May 26.
Conveyer shoe and supporting frame. F. W. Vodoz. 2,627,338, Feb. 3.
Conveyer, Side-tilting. J. M. Prentice. 2,628,697, Feb. 17.
Conveyer, Slatted. D. Kline and E. N. Michna. 2,628,705, Feb. 17.
Conveyer, Spiral vibrating. R. S. Jacobsen. 2,637,437, May 5.
Conveyer strip, Reinforced flexible. C. N. Bebinger. 2,646,867, July 28.
Conveyer suction hood, Pneumatic. M. I. Dorfan. 2,637,600, May 5.
Conveyer support. L. A. Collis. 2,638,204, May 12.
Conveyer switch. J. R. Timmons. 2,634,843, Apr. 14.
Conveyer, Switching type. K. H. Hansen. 2,649,953, Aug. 25.
Conveyer system. A. R. De Burgh. 2,640,580, June 2.
Conveyer system. A. R. De Burgh. 2,642,176, June 16.

Conveyer system. T. S. Skillman. 2,627,967, Feb. 10.
Conveyer system. H. E. Steinhoff. 2,634,851, Apr. 14.
Conveyer system. R. B. Vogt and J. F. Keville. 2,661,828, Dec. 8.
Conveyer system. A. H. Webster. 2,641,371, June 9.
Conveyer system, Endless. G. S. and J. C. Lawson. 2,659,477, Nov. 17.
Conveyer system, Extensible. R. U. Jackson. 2,633,974, Apr. 7.
Conveyer system for assembly lines and the like. I. Galper. 2,636,591, Apr. 28.
Conveyer system for induction heating. P. D. Newhouse. 2,650,290, Aug. 25.
Conveyer system for restaurants. J. Ø. Slyngstall. 2,649,931, Aug. 25.
Conveyer system, including a stacker, trailing conveyer, and belt lifting feed hopper. G. Weggum. 2,641,353, June 3.
Conveyer system, Pneumatic. B. F. Smith. 2,634,170, Apr. 7.
Conveyer table. J. Xenakis. 2,661,080, Dec. 1.
Conveyer, Track-across-track. W. B. Dean. 2,631,547, Mar. 17.
Conveyer transfer apparatus. N. L. Mabrey. 2,628,702, Feb. 17.
Conveyer, Trolley. L. T. Daigle. 2,646,872, July 28.
Conveyer, Trolley. L. T. Daigle. 2,660,291, Nov. 24.
Conveyer, Trolley. D. M. King. 2,633,088, Mar. 31.
Conveyer, Trolley. E. N. Williams. 2,624,449, Jan. 6.
Conveyer trolley, Overhead. E. Gaboury. Re. 23,658, May 19.
Conveyer, Twin screw. G. O. Hoffstetter. 2,633,255, Mar. 31.
Conveyer, Unitary power-driven roller. C. G. Wallman. 2,624,445, Jan. 6.
Conveyer, Unloading. C. M. Vitz. 2,648,421, Aug. 11.
Conveyer, Vehicle unloading feeding. E. R. Gosse. 2,634,872, Apr. 14.
Conveyer, Vertical. G. E. Lamb. 2,626,040, Jan. 20.
Conveyer, Vibratory. A. Musschoot, R. F. Bergmann, and C. M. Young, Jr. 2,638,206, May 12.
Conveyer with deformable drive coupling, Vibratory. R. M. Carrier, Jr., and M. G. Whitley. 2,630,210, Mar. 3.
Conveyer with displaceable bar-pulling dog and automatic control therefor. G. J. Kirchner. 2,630,624, Mar. 10.
Conveyer with opposed-plate type crusher, Vibrating. J. H. Ginther. 2,634,060, Apr. 7.
Conveyer with swiveling means, Articulated. C. E. Andershock. 2,642,982, June 23.
Conveyer with take-up means, Extensible. F. A. Lindgren. 2,642,981, June 23.
Conveying and hoisting device, Continuous. N. Ransohoff. 2,633,855, Apr. 7.
Conveying and unloading device. P. A. Smith. 2,635,735, Apr. 21.
Conveying apparatus. M. Vogel-Jorgensen. 2,638,385, May 12.
Conveying apparatus. F. W. Wehmiller. 2,658,608, Nov. 10.
Conveying device. H. C. Rhodes. 2,664,188, Dec. 29.
Conveying machine, Can. E. C. Kraus and M. V. Douthitt. 2,662,631, Dec. 15.
Conveying means. E. H. Hansson. 2,635,555, Apr. 21.
Conveying means for articles to be treated in a galvanizing bath. E. M. Wilson. 2,661,717, Dec. 8.
Conveying means for webs or sheets. J. Dungler. 2,640,277, June 2.
Conveying mechanism. W. B. Lyon. 2,659,647, Nov. 17.
Conveying system, Pneumatic. E. B. Chiswell and H. W. Gaunce. 2,631,660, Mar. 17.
Cookstove with combined top pilot and simmer burner, Gas. H. M. Reeves. 2,654,359, Oct. 6.
Cooker, Automatic. H. L. Lawson. 2,639,657, May 26.
Cooker, Can. P. Carvallo. 2,632,378, Mar. 24.
Cooker, Combined surface and deep well. H. E. Brehm. 2,630,518, Mar. 3.
Cooker, Continuous. G. R. Greenbank. 2,653,084, Sept. 22.
Cooker control apparatus. C. R. Turner. 2,656,450, Oct. 20.
Cooker, Deep well. E. A. Rutenber. 2,635,172, Apr. 14.
Cooker, Dry rendering. F. J. Bilek. 2,650,807, Sept. 1.
Cooker, Electric frankfurter. I. Spiess and L. B. Simon. 2,642,794, June 23.
Cooker, Pressure. M. Keller. 2,660,330, Nov. 24.
Cooking apparatus. B. Ames. 2,631,216, Mar. 10.
Cooking apparatus. C. N. Cone. 2,634,749, Apr. 14.
Cooking apparatus. L. T. Finizie. 2,631,525, Mar. 17.
Cooking apparatus. L. T. Finizie. 2,641,177, June 9.
Cooking apparatus. H. J. and R. H. Garrett. 2,659,802, Nov. 17.
Cooking apparatus. J. Nisenson. 2,654,307, Oct. 6.
Cooking apparatus. C. R. and P. G. Turner. 2,641,680, June 9.
Cooking apparatus. R. J. Wagner and H. E. Hortman, Jr. 2,660,658, Nov. 24.
Cooking apparatus, Spaghetti. E. Russell. 2,650,536, Sept. 1.
Cooking appliance. M. B. and H. J. Miller. 2,658,643, Nov. 10.
Cooking device. L. S. Guthof. 2,641,246, June 9.
Cooking device. J. H. Hilldale. 2,628,738, Feb
Cooking device. J. Nisenson. 2,635,529, Apr. 2
Cooking device, Automatic egg. S. E. Litt. Mar. 3.
Cooking device, Electric. A. Wehrli. 2,664,495
Cooking device, Open fire. J. J. Shelley. Aug. 4.
Cooking machine. M. S. Balluteen. 2,643,603,
Cooking oil bearing vegetable seeds and nuts. J ning. 2,629,722, Feb. 24.
Cooking vessel, Portable. N. L. Goss. 2,641,24
Coolant, Automotive. E. Da Fano. 2,647,874
Cooled disk brake. J. P. Whalen. 2,664,176,
Cooler: *See*—
Air cooler.
Air cycle water cooler.
Beverage cooler.
Carbonator cooler.
Cement cooler.
Chase and form cooler.
Evaporative air cooler.
Evaporative cooler.
Furnace skew-back-channel cooler.
Milk cooler.
Plate cooler.
Refrigerator
unit cooler.
Submerged valve
Thermosta
controlled milk
Water cooler.
Cooler and carbonator, Combined water. J. K E. Rosenberg. 2,628,825, Feb. 17.
Cooler and humidifier, Evaporative. R. 2,631,831, Mar. 17.
Cooler for alfalfa meal and the like. W. F 2,629,310, Feb. 24.
Cooler for condensing hot compressed gas, Ev C. N. Deverall. 2,661,933, Dec. 8.
Cooler for refrigerator, Water. C. R. Sebens. July 7.
Cooler having a plurality of ice compartments, lating. R. W. Rhoads, Sr. 2,651,188, Sept.
Cooler means for placement in a corner. D. 2,633,718, Apr. 7.
Cooler with automatic feed, Evaporative. F. 2,634,112, Apr. 7.
Cooling aggregates, Method and apparatus fo Carr. 2,648,206, Aug. 11.
Cooling and dispensing device. C. L. Daun. May 19.
Cooling and heating system, Room. G. Muffly. Oct. 6.
Cooling and lubricating arrangement for valve stems of thermal engines. G. L. Du Rostu. Nov. 10.
Cooling apparatus. C. M. Nichols. 2,657,03
Cooling apparatus, Liquid. H. G. Mojonnier. May 26.
Cooling apparatus, Rotary. N. F. Foner. June 9.
Cooling arrangement for radial flow gas turbi coaxial combustors. H. M. Jacklin, Jr. Mar. 17.
Cooling arrangement for refrigerating apparat Janos. 2,644,320, July 7.
Cooling attachment for fans. E. K. Frost. Sept. 22.
Cooling buffs and polishing wheels, Method and for. J. R. Davies. 2,658,316, Nov. 10.
Cooling castings over sizing forms. J. 2,656,593, Oct. 27.
Cooling device for faucets. R. T. Cornelius. Apr. 14.
Cooling device for sewing machine needles. F. 2,650,557, Sept. 1.
Cooling of gas turbines. G. F. Wislicenus. June 2.
Cooling means for the rotors of gas turbine po N. C. Price. 2,659,529, Nov. 17.
Cooling means for variable area nozzles. W. C 2,651,172, Sept. 8.
Cooling means for variable area nozzles. 2,630,673, Mar. 10.
Cooling of gas turbine rotors. F. D. Brownhil W. Wolff. 2,656,147, Oct. 20.
Cooling of molten sulfur. H. Blanchet. 2,63 24.
Cooling of rectifier stack by thermal conduct Wilson. 2,657,343, Oct. 27.
Cooling of the rod in rod rolling mills. N. 2,624,178, Jan. 6.
Cooling produce by use of reduced pressure. means for. M. W. Beardsley. 2,634,590, A
Cooling spray dried detergents. L. A. Ledg Deane, and J. J. Mahoney. 2,657,797, Nov
Cooling system and apparatus for motor v Méndez. 2,638,752, May 19.
Cooling system for double seals. C. F 2,628,852, Feb. 17.
Cooling system for electric brakes. P. 2,645,730, July 14.
Cooling system for gas turbine blading. E. 2,626,502, Jan. 27.
Cooling system for internal-combustion engi Bartch and G. W. Couch. 2,634,713, Apr. 1
Cooling system for internal-combustion engi and L. A. Hollis. 2,635,592, Apr. 21.
Cooling system for internal-combustion engi Kiekhaefer. 2,635,591, Apr. 21.

Cooling system for internal-combustion engines. G. Provenzano. 2,628,601, Feb. 17.
Cooling system for the head portion of pistons of high-speed internal-combustion engines. K. Maybach. 2,657,678, Nov. 3.
Cooling system, Motor vehicle. R. W. MacDonald. 2,635,435, Apr. 21.
Cooling the blades of turbine rotors, Means for. R. H. Goddard. 2,628,064, Feb. 10.
Cooling tower. J. B. Baird and N. B. Lau Bach. 2,631,022, Mar. 10.
Cooling tower. E. Simons. 2,627,396, Feb. 3.
Cooling tower having splash deck supported basin. L. T. Mart. 2,650,082, Aug. 25.
Cooling tower unit. R. O. Ayres. 2,656,168, Oct. 20.
Cooling turbine blades by air, Means for. R. H. Goddard. 2,641,040, June 9.
Cooling unit, Combination refrigeration and evaporating. A. S. Feinberg. 2,628,480, Feb. 17.
Cooling unit, Condenser. J. R. Boyle. 2,662,741, Dec. 15.
Cooling unit for rabbit hutches. A. A. Ruport. 2,661,718, Dec. 8.
Cooling wall for heated chambers. R. Doležal. 2,641,205.
Coop, Chicken. E. W. Aylor. 2,651,815, Sept. 15.
Coop, Hinged door chicken. E. W. Aylor. 2,639,473, May 26.
Coordination aid for walking. B. Ringman. 2,646,282, July 21.
Cop handling mechanism. J. G. Gamble. 2,646,226, July 21.
Cop supplier. W. Schweiter. 2,639,098, May 19.
Cop supplying mechanism. W. Schweiter. 2,629,483, Feb. 24.
Copless shuttle loom. E. G. Mascarenhas. 2,648,354, Aug. 11.
Copolymer of L-leucine and DL-phenylalanine. R. B. Woodward. 2,657,972, Nov. 3.
Copolymerization of diolefins and aromatics. G. E. Serniuk. 2,624,726, Jan. 6.
Copolymerizing $CF_2=CF_2$ with $CF_2=CFCl$. W. T. Miller. 2,662,072, Dec. 8.
Copolymerizing vinylidene chloride and vinyl chloride. W. J. Le Fevre and H. W. Moll. 2,640,050, May 26.
Copolymers and copolymer emulsions of salts of monoalkyl esters of maleic acid. W. K. Wilson. 2,643,245, June 23.
Copolymers and lubricants containing the same. W. E. Catlin. 2,653,133, Sept. 22.
Copolymers containing hydrogen bonded directly to silicon. J. B. Rust. 2,637,718, May 5.
Copolymers in the form of discrete particles, Producing. W. P. Hohenstein. 2,653,145, Sept. 22.
Copolymers, including siliconols and hydrogen bonded to silicon. J. B. Rust. 2,628,213, Feb. 10.
Copolymers obtained from trifluorochloroethylene and 1-fluoro-1-chloroethylene. F. G. Pearson. 2,631,998, Mar. 17.
Copolymers of acetylene with certain vinylidene compounds. F. C. McGrew and P. S. Pinkney. 2,657,200, Oct. 27.
Copolymers of acrylonitrile and allyl amines. D. W. Chaney. 2,662,877, Dec. 15.
Copolymers of acrylonitrile and allyl and 2-methallyl chlorides. J. R. Caldwell. 2,656,337, Oct. 20.
Copolymers of acrylonitrile and an allyl or methallyl ester of a monohalogen substituted, saturated, aliphatic, monocarboxylic acid. G. E. Ham. 2,635,092, Apr. 14.
Copolymers of acrylonitrile and basic acrylamides. H. A. Bruson. 2,649,438, Aug. 18.
Copolymers of acrylonitrile and nicotinamides. G. E. Ham and A. B. Craig. 2,664,412, Dec. 29.
Copolymers of acrylonitrile with N-acroyl, N'-alanyl methylene diamides. E. Zerner and M. W. Pollock. 2,627,512, Feb. 3.
Copolymers of allyl esters of stabilized resin acids. C. W. Gould. 2,639,273, May 19.
Copolymers of alpha-methylstyrene and alpha-methacrylonitrile. R. M. Schulken, Jr., and R. E. Boy, Jr. 2,652,391, Sept. 15.
Copolymers of butene-1 derivatives. M. R. Lytton. 2,656,338, Oct. 20.
Copolymers of drying oils, cyclopentadiene, and terpene hydrocarbons, Three-component. H. L. Gerhart. 2,630,415, Mar. 3.
Copolymers of maleic esters and long chain alkyl methacrylates. La V. N. Bauer, H. T. Neher, and W. L. Van Horne. 2,642,414, June 16.
Copolymers of polythiols, phenols, and aldehydes. J. C. Patrick and H. R. Ferguson. 2,646,415, July 21.
Copolymers of styrene and alpha-methyl styrene and making the same. J. L. Amos and C. T. Miller. 2,638,465-6, May 12.
Copolymers of unsaturated esters of phthalic acid. D. Swern and E. F. Jordan, Jr. 2,631,141, Mar. 10.
Copolymers of vinyl acetate with derivatives of alpha, beta-unsaturated dicarboxylic acids. W. V. Upton. 2,637,712, May 5.
Copolymers of vinyl chloride, acrylonitrile and a vinyl pyridine. P. J. Culhane and G. M. Rothrock. 2,636,023, Apr. 21.
Copolymers of vinyl esters and tertiary amino nitrogen-containing compounds and producing same. F. D. Marsh. 2,628,221, Feb. 10.
Copolymers of vinyl phenols with butadiene compounds. E. M. Evans and J. E. S. Whitney. 2,647,883, Aug. 4.
Copolymers of vinyl phenols with drying oils. E. M. Evans, S. E. Bradshaw, and J. E. S. Whitney. 2,647,876, Aug. 4.
Copolymers of vinylidene cyanide with acrylonitrile. H. Gilbert. 2,628,954, Feb. 17.
Copolymers of vinylidene cyanide with alkenyl esters of monobasic acids. H. Gilbert, F. F. Miller, and V. L. Folt. 2,650,911, Sept. 1.
Copolymers of vinylidene cyanide with alkyl vinyl ketones. H. Gilbert and F. F. Miller. 2,654,724, Oct. 6.
Copolymers of vinylidene cyanide with difluorodichloroethylenes. H. Gilbert and F. F. Miller. 2,654,728, Oct. 6.
Copolymers of vinylidene cyanide with unsaturated aliphatic carboxylic acids. E. J. Carlson. 2,657,197, Oct. 27.
Copper, cobalt, and ammonium sulfate recovery from mineral leach liquors. P. J. McGauley. 2,647,819, Aug. 4.
Copper compounds of disazo dyestuffs, Complex. F. Kehrer and W. Wehrli. 2,633,462, Mar. 31.
Copper complexes of monosulfonamido formazyl dyes. R. A. Brooks. 2,662,074–5, Dec. 8.
Copper-containing azo dyestuffs. W. Wehrli. 2,638,468, May 12.
Copper-containing disazo dyestuffs. E. Keller. 2,636,030. Apr. 21.
Copper diammonium pentachlorophenolate. F. J. Meyer. 2,651,648, Sept. 8.
Copper oxychloride, Producing. P. K. Anderson. 2,655,432, Oct. 13.
Copper 7-benzyl-8-quinolinate. W. B. Wheatley. 2,649,451, Aug. 18.
Copper sulfate, Making. A. M. Thomsen. 2,639,220, May 19.
Copyholder. R. T. Adkins and R. J. Kuschel. 2,633,828, Apr. 7.
Copyholder. C. W. Knott. 2,625,908, Jan. 20.
Copyholder. J. Toggenburger. 2,647,491, Aug. 4.
Copyholder and line indicator. W. F. Turner. 2,642,040, June 16.
Copyholder for typists. B. T. Voorhorst. 2,650,568, Sept. 1.
Copyholder, Line-spacing. R. Funk. 2,642,841, June 23.
Copyholder with compartment for copied sheets. L. G. Harlam. 2,633,101, Mar. 31.
Copyholder with two-way cover. E. Nineberg. 2,653,509, Sept. 29.
Copyholders. R. T. Adkins and R. J. Kuschel. 2,650,569, Sept. 1.
Copy locating and loading means for projector apparatus. P. M. Field. 2,624,235, Jan. 6.
Copy retention and housing ventilating means for opaque projector apparatus. P. M. Field. 2,661,655, Dec. 8.
Copying apparatus. G. Cabrera R. 2,658,449, Nov. 10.
2,657,627, Nov. 3.
Copying device for lathes, Hydraulic. O. von Zelewsky. 2,645,149, July 14.
Cord attachment for Venetian blinds. E. E. Schaefer. 2,624,086, Jan. 6.
Cord and making same, Rayon tire. J. C. Ambelang. 2,626,887, Jan. 27.
Cord belt. D. L. Waugh. 2,631,463, Mar. 17.
Cord clamp for electrical devices. J. F. Healy. 2,636,918, Apr. 28.
Cord gripping device. M. E. Lee. 2,645,832, July 21.
Cord guide, Flatiron. J. N. Polivka and T. S. Zastrow. 2,634,523, Apr. 14.
Cord line chalker. C. Scudder. 2,659,974, Nov. 24.
Cord reinforced base for floral designs and making same. R. C. Melander. 2,645,872, July 21.
Cord set, Extension. J. W. Barnes. 2,634,309, Apr. 7.
Cord slider. L. E. Peterson. 2,636,236, Apr. 28.
Cord stop. H. K. Lorentzen. 2,637,084, May 5.
Cord treating apparatus, Industrial. R. R. Ambler. 2,639,485, May 26.
Core analysis. A. L. Smith. 2,641,922, June 16.
Core barrel, Underwater. C. C. Isbell. 2,638,321, May 12.
Core bit. F. F. Davis and S. G. Richmond. 2,662,738, Dec. 15.
Core blower. R. N. Brewer. 2,661,513, Dec. 8.
Core blowing apparatus. H. J. B. Herbruggen. 2,656,575, Oct. 27.
Core cap remover. G. W. Wallenius. 2,651,836, Sept. 15.
Core chuck, Expansible. W. H. Cannard. 2,647,701, Aug. 4.
Core cleaner. E. B. Esters. 2,648,170, Aug. 11.
Core converter, Saturable. C. W. Hewlett, Jr. 2,633,561, Mar. 31.
Core disk and making same. D. R. McGregor. 2,630,218, Mar. 3.
Core drilling apparatus. V. J. and L. V. Devine. 2,660,402, Nov. 24.
Core drilling apparatus. J. C. Stokes. 2,633,336, Mar. 31.
Core for coils of rope or the like, Expansible. S. T. Burke, Jr. 2,644,650, July 7.
Core for driving molds for concrete piles, Expandible. W. H. Cobi. 2,625,015, Jan. 13.
Core for immersion heaters. O. C. Trautman. 2,646,490, July 21.

Core for molds. W. J. Williams and J. W. E. Hanes. 2,637,071, May 5.
Core grinding machine. C. H. Miller. 2,629,209, Feb. 24.
Core lifting and setting fixture. M. E. Lentz. 2,663,919, Dec. 29.
Core lifting and setting fixture. M. E. Lentz, A. J. Anderson, and H. L. Driffill. 2,663,058, Dec. 22.
Coremaking machine. E. F. Peterson. 2,637,881, May 12.
Core orienting apparatus and method. E. F. Brady. 2,657,013, Oct. 27.
Core recovery indicating device. H. H. Holland, Jr. 2,652,232, Sept. 15.
Core retainer for dynamoelectric machines. W. R. Maclay and E. G. Spyridakis. 2,650,317, Aug. 25.
Core-sampling tool. R. I. Mahan. 2,628,816, Feb. 17.
Core taking apparatus. J. C. Stokes. 2,658,726, Nov. 10.
Coring apparatus. J. C. Stokes. 2,634,956, Apr. 14.
Coring method and apparatus. W. W. Rand. 2,650,068, Aug. 25.
Cork gaskets, Manufacturing. H. L. Glover. 2,644,197, July 7.
Corn and making same, Puffed. J. M. Baer. 2,653,097, Sept. 22.
Corn pad. W. M. Scholl. 2,633,127, Mar. 31.
Corn pad applicator. A. J. Malavazos. 2,631,311, Mar. 17.
Corn cushion. W. M. Scholl. 2,646,795, July 28.
Corn gleaner. L. Schneider. 2,636,771, Apr. 28.
Corn husker having rolls of alternate metal and rubber sections. W. R. Davies. 2,645,228, July 14.
Corn picker. J. Lenth. 2,660,467, Nov. 24.
Corn picker reversing transmission. N. R. Krause. 2,636,330, Apr. 28.
Cornpicker roll. E. V. Collins. 2,656,666, Oct. 27.
Corn picker roll adjusting mechanism. E. K. Karlsson. 2,645,075, July 14.
Corn picking and snapping rolls. E. K. Karlsson. 2,634,731, Apr. 14.
Corn popping machine. R. J. Baunach. 2,637,656, May 5.
Corn popping machine. J. Lindstrom and B. C. Case. 2,657,627, Nov. 3.
Corn product and making the same, Puffed. C. R. Carman. 2,653,104, Sept. 22.
Corn snapping and husking rolls. R. C. Fergason. 2,643,657, June 30.
Corner construction for folding boxes. R. B. Meller. 2,646,916, July 28.
Corner fastener for chairs. W. C. Lucas. 2,651,355, Sept. 8.
Corner guard. S. Friedman. 2,633,252, Mar. 31.
Cornice and support for curtains and the like. J. F. Kuebler. 2,653,656, Sept. 29.
Cornice and support, Window. E. V. Heitlinger, I. Fields, and A. C. Ray. 2,638,162, May 12.
Cornice, Window. R. W. Hyde. 2,637,380, May 5.
Corona free multiplier. B. W. Smith. 2,642,513, June 16.
Correcting apparatus for strip operations. R. B. Heilman, W. F. Nolan, and R. C. Binder. 2,630,319, Mar. 3.
Correcting device for printing apparatus. M. H. Cardon. 2,646,155, July 21.
Correcting ingrown toenails, Means for. J. M. Tuve. 2,632,441, Mar. 24.
Correction and make-up of type matter for planographic printing processes. H. R. Freund. 2,659,282, Nov. 17.
Correction device for function generators. P. T. Nickson. 2,652,195, Sept. 15.
Corrector for calendar clockworks. F. Meyer. 2,632,293, Mar. 24.
Correspondence indicator for servo mechanisms, Positional. E. Lohse and S. H. Gross. 2,648,834, Aug. 11.
Corrosion inhibiting composition. G. H. Rohrback, D. M. McCloud and W. R. Scott. 2,635,998, Apr. 21.
Corrosion inhibiting composition containing arsenous oxide and potassium hydroxide. G. H. Rohrback, D. M. McCloud and W. R. Scott, Jr. 2,635,999, Apr. 21.
Corrosion inhibiting compositions and method. J. W. Ryznar and M. A. Pelch. Re. 23,740, Nov. 17.
Corrosion inhibiting vessel construction. L. W. Williams. 2,638,338, May 12.
Corrosion inhibition. W. J. Hanson and R. W. Nex. 2,630,380, Mar. 3.
Corrosion inhibition. A. Wachter and N. Stillman. 2,643,178, June 23.
Corrosion inhibition with nitrobenzaldehydes. W. W. Newschwander. 2,662,808, Dec. 15.
Corrosion inhibitor. A. E. Martin and J. W. Eberman. 2,658,817, Nov. 10.
Corrosion inhibitor. H. E. Morris. 2,657,217, Oct. 27.
Corrosion inhibitor. G. H. Rohrback, D. M. McCloud and W. R. Scott. 2,635,996–7, Apr. 21.
Corrosion inhibitor composition. R. L. Sundberg, C. P. Albus, and J. M. Cross. 2,649,415, Aug. 18.
Corrosion inhibitor containing arsenous oxide and potassium hydroxide. G. H. Rohrback, D. M. McCloud and W. R. Scott, Jr. 2,636,000, Apr. 21.
Corrosion inhibitors. C. F. Prutton. 2,629,676, Feb. 24.
Corrosion preventing agent. L. A. Mikeska. 2,659,705, Nov. 17.
Corrosion preventing means. C. M. Osterheld. 2,656,314, Oct. 20.
Corrosion resistant valve. R. P. Keammerer. 2,654,390, June 30.
Corrugated cushion roll. W. F. McGraw. 2,661,508, Sept. 8.
Corrugated plastic laminates, Method and m... manufacturing. D. Gonda and A. A. Hodge. 2,... Oct. 20.
Corrugated screen gas impingement filter. R. F. ... 2,643,735, June 30.
Corrugated sheet material and fabricating same, ... C. Y. Chittick. 2,642,372, June 16.
Corrugated slabs, Making. C. Herzog. 2,645,269
Corrugating machine. R. E. Osborne and S. ... 2,663,351, Dec. 22.
Corrugation crimping device. V. C. Norquist a... Day. 2,638,958, May 19.
Corsage frame. A. C. Polizzi. 2,624,968, Jan
Corsage support. D. A. Zarlengo. 2,660,771,
Corset construction. K. H. Hurwitz. 2,629,097,
Corset spring. E. Menz and M. W. Schmidt. ... July 14.
Cortisone esters and process. E. F. Rogers a... Conbere. 2,653,955, Sept. 29.
Cosmetic applicator. M. M. Bardugon. ... Feb. 10.
Cosmetic applicator. E. M. Ready. 2,654,111,
Cosmetic applicator, Self-illuminating. R. S. ... R. A. Weiner. 2,651,709, Sept. 8.
Cosmetic assembly. H. Fitz. 2,640,487, June 2
Cosmetic composition containing lanolin in ... centration. H. A. Martini. 2,661,316, Dec. 1
Cosmetic container. S. J. Clark. 2,655,261, O
Cosmetic container. R. B. Hopgood. 2,636,598,
Cosmetic container. L. E. Isele. 2,657,794, No
Cosmetic holder. W. B. Crane. 2,626,047, Jan
Cosmetic holder. E. H. Orenick. 2,644,577, Jul
Cosmetic make-up template. G. Q. Teillaud. ... Feb. 17.
Costumer device and the manufacture thereof. P. ... 2,632,570, Mar. 24.
Cot and chair seat, Combination. D. Berlin. ... Apr. 28.
Cot and camp chair, Convertible. H. H. ... 2,651,352, Sept. 8.
Cot and crib for automobiles, Combined. H. S. ... 2,637,857, May 12.
Cot and litter construction, Stacking. F. ... 2,640,996, June 9.
Cot, Collapsible. A. G. Thayer. 2,646,577, July
Cot, Mobile. H. S. Urban. 2,628,369, Feb. 17,
Cot, Portable folding. L. Valentine. 2,631,303
Cotter key. J. A. MacLean, Jr., and B. ... 2,631,487, Mar. 17.
Cotter pin tool. V. Fahlstrom. 2,631,363, Mar
Cotton-catching shelf means for the plant p... cotton pickers. F. A. Thomann. 2,635,409,
Cotton cleaner. J. A. Streun. 2,639,468, May
Cotton cleaner attachment for cotton gins. J. ... 2,634,460, Apr. 14.
Cotton fluffer, Rotary. J. D. Rust. 2,657,515,
Cotton gin. D. D. Day. 2,658,239, Nov. 10.
Cotton gin cleaner. C. M. Merkel, C. A. Bennett, ... Wright. 2,634,461, Apr. 14.
Cotton harvester. T. W. Paul. 2,656,665, Oct
Cotton lint conditioning machine. J. L. Rudy ... Pitts. 2,637,075, May 5.
Cotton picker. C. W. Toole. 2,663,136, Dec.
Cotton picker mechanism housing structure. P. ... berg and C. W. Roehm. 2,644,285, July 7.
Cotton picker spindle. D. A. Walker. 2,651,16
Cotton picker spindle assembly mounting. C. ... 2,660,851, Dec. 1.
Cotton picker with fluffer. J. D. Rust. 2,657,51
Cotton-picking apparatus. P. W. Spell. ... Jan. 20.
Cotton-picking machine. O. F. Kerr 2,650,461
Cotton picking machine. J. L. Nisbet. 2,644,28
Cotton-picking machine. M. D. Rust. 2,652,6... 22.
Cotton-picking machine. E. E. Taliaferro. ... Jan. 27.
Cotton roll holder. J. C. Kanter. 2,651,109, S
Cottonseed meal glues of low alkalinity. J. C. A... and J. T. Hogan. 2,646,408, July 21.
Cotton-separator machine. A. E. Yeager. ... Apr. 21.
Cotton spindle moistening apparatus. D. D. ... 2,654,204, Oct. 6.
Cotton stripper. R. W. Baird. 2,641,890, Jun
Cotton stripper. E. Dugan. 2,655,780, Oct.
Cotton stripper. M. W. Roscoe. 2,662,360, Dec
Cotton stripping comb. J. D. Rust. 2,629,221,
Cotton stripping machine. B. M. Hyman. ... Oct. 6.
Cotton stripping machine. T. H. Riza. 2,651, ... 15.
Cotton tie buckling machine. J. W. Morrison. ... Feb. 10.
Cotton turbo-cleaner process. D. G. Black. ... Sept. 15.
Couch and bedpan support for babies, Combined ... cent. R. F. Hyland. 2,631,301, Mar. 17.

Couch-bed construction. E. J. Stauffer. 2,658,208, Nov. 10.
Couch bed, Convertible. I. Hoopingarner. 2,640,997, June 9.
Couch construction. L. E. Mitzenmacher. 2,627,076, Feb. 3.
Couch with swingably mounted back rest or pillow support. J. Pilliero. 2,642,585, June 23.
Coughing valve. P. M. W. Bruckmann. 2,659,364, Nov. 17.
Coumarin derivatives. R. S. Long and C. A. Sears. 2,647,132, July 28.
Counter and bar, Buffet. J. M. Dinken. 2,661,258, Dec. 1.
Counter and memory circuit. R. Weissman. 2,636,985, Apr. 28.
Counter, Bidirectional. B. McMillan. 2,656,460, Oct. 20.
Counter construction. L. A. Simmons. 2,641,400, June 9.
Counter construction and method. J. E. Walsh. 2,656,622, Oct. 27.
Counter control mechanism. H. M. Fleming and A. A. Overbury. 2,631,779, Mar. 17.
Counter display for flashlights and batteries. J. C. Calhoun, W. L. Davidson, and K. J. Hansen. 2,649,348, Aug. 18.
Counter, Electronic. J. B. Camp. 2,635,809, Apr. 21.
Counter, Electronic. J. R. Desch. 2,644,110–12, June 30.
Counter for coil winding machines. W. Sivo and H. S. Walendzik. 2,662,693, Dec. 15.
Counter for numbering and measuring devices. T. Reumerman and W. H. T. Helmig. 2,646,747, July 28.
Counter for shoes. K. A. Stritter. 2,638,689, May 19.
Counter for strap sandals, Adjustable. M. M. Yates. 2,642,677, June 23.
Counter mechanism. H. N. Bliss. 2,645,425, July 14.
Counter mechanism. C. P. Stowell, E. P. Drake, and H. G. Humphrey. 2,635,808, Apr. 21.
Counter mechanism for determining fractional multiples of predetermined counts. T. E. Hayes. 2,635,811, Apr. 21.
Counter, Navigation. F. P. Goldbach. 2,661,903, Dec. 8.
Counter, Reversible electronic. G. Nadav. 2,662,692, Dec. 15.
Counter, Soiled towel. J. J. Colvin. 2,628,704, Feb. 17.
Counter to indicate the number of times a shaft is moved. H. W. Miller and B. A. Buss. 2,661,901, Dec. 8.
Counter top for kitchen cabinet installation, Severable. L. L. Burke. 2,654,648, Oct. 6.
Counter top, Movable. B. K. Slonneger. 2,626,850, Jan. 27.
Counter unit, Turntable. L. Williams. 2,631,909, Mar. 17.
Counter value setting device, Predetermined. C. Sansone. 2,645,426, July 14.
Counting and computing device, Lumber. T. S. Terrill. 2,656,105, Oct. 20.
Counting and conveying apparatus, Article. A. A. Mayer. 2,638,203, May 12.
Counting and dispensing machine. E. C. Clement. 2,661,133, Dec. 1.
Counting and indicating system, Decimal. L. M. Schmidt. 2,630,969, Mar. 10.
Counting and packaging apparatus. J. Hoar, Jr. 2,632,588, Mar. 24.
Counting and packing machine. W. P. McCallick and Y. L. Sanchez. 2,645,397, July 14.
Counting and registering relay circuit. P. Hemminger. 2,624,785, Jan. 6.
Counting apparatus. H. E. Cradduck. 2,630,970, Mar. 10.
Counting circuit. A. Greenfield. 2,647,996, Aug. 4.
Counting device. H. Bud. 2,661,904, Dec. 8.
Counting device. W. J. Summers. 2,636,680, Apr. 28.
Counting device. B. Vogler. 2,656,107, Oct. 20.
Counting device, Chick. W. J. Wright. 2,645,424, July 14.
Counting device, Electronic. S. B. Williams. 2,647,997, Aug. 4.
Counting equipment. W. H. Ramsell and E. A. Armstrong. 2,663,495, Dec. 22.
Counting machine. P. M. McDavid. 2,633,077, Mar. 31.
Counting machine, Article. A. E. Whitecar. 2,651,466, Sept. 8.
Counting machine, Paper money. T. E. Hayes. 2,638,344, May 12.
Counting mechanism. J. Handley. 2,649,249, Aug. 18.
Counting particles suspended in a fluid, Means for. W. H. Coulter. 2,656,508, Oct. 20.
Counting relay. K. W. Graybill and H. Sengebusch. 2,639,416, May 19.
Counting ring utilizing cold cathode tubes. T. S. Mederos, Jr. 2,651,006, Sept. 1.
Counting selected electrical transients, Method and apparatus for. R. H. Dicke. 2,641,409, June 9.
Counterbalance and support means for ceiling-mounted folding stairways. W. Bjorklund and H. Kartarik. 2,649,237, Aug 18.
Counterbalance for tail gates. P. W. Benjamin. 2,653,845, Sept. 29.
Counterbalance for vertically sliding doors. C. C. Moler. 2,660,753, Dec. 1.
Counterbalance pump. W. K. Richardson. 2,659,315, Nov. 17.
Counterbalance, Spring. E. M. Trammell, Sr., and E. M. Trammell, Jr. 2,635,282, Apr. 21.
Counterbalancing means for pivoted motor suction cleaners. W. A. Humphrey. 2,632,916, Mar. 31.
Counterbalancing mechanism for articulated overhead doors. D. M. Robinson. 2,630,597, Mar. 10.
Counterbeating device for threshing machines. J. Moullec. 2,639,714, May 26.
Countercurrent contacting of solids with liquids, Method and apparatus for. S. F. Perry. 2,632,720, Mar. 24.
Counter-current extraction apparatus. R. T. Anderson. 2,663,623, Dec. 22.
Countercurrent extraction apparatus and process. G. Bottaro. 2,638,409, May 12.
Countercurrent extraction method and apparatus. G. J. Langinyhr. 2,628,894, Feb. 17.
Countercurrent slurry process for effecting complex formation. H. H. Gross. 2,632,002, Mar. 17.
Counterelectromotive force derivation circuit. O. E. Carlson. 2,649,572, Aug. 18.
Counterflashing and anchor cap therefor. L. B. Coleman. 2,641,203, June 9.
Countershaft transmission, Double. H. T. Youngren and S. V. Hettinger, Jr. 2,644,340, July 7.
Coupled products. E. C. Ladd and H. Sargent. 2,644,835, July 7.
Coupler. H. H. Wolfe. 2,646,176, July 21.
Coupler and load support for trailer type rail vehicles. J. MacVeigh and F. M. F. Heredia. 2,631,738, Mar. 17.
Coupler, Directional. H. J. Riblet. 2,632,809, Mar. 24.
Coupler for model railroads. R. L. Watson. 2,631,740, Mar. 17.
Coupler operating mechanism. F. H. Swint. 2,645,363, July 14.
Coupler pin protector. F. H. Kayler. 2,626,064, Jan. 20.
Coupler, Pusher type. N. B. Smith. 2,640,709, June 2.
Coupler, Railway pilot. W. H. Meyer. 2,632,573, Mar. 24.
Coupler, Rotary hydrokinetic. E. E. Wemp. 2,630,683, Mar. 10.
Coupler, Universal. G. B. Parsons. 2,630,230, Mar. 3.
Coupler yoke and draft gear assembly. H. H. Wolfe. 2,645,361, July 14.
Coupling: *See*—
Adjustable coupling.
Antijackknife fifth wheel coupling.
Automatic electrical and mechanical coupling.
Automatic quick disconnect coupling.
Automatic shutoff safety clutch coupling.
Ball and socket coupling.
Constant velocity shaft coupling.
Convertible air hose coupling.
Conveyer coupling.
Disconnect coupling.
Dustproof hydraulic coupling.
Electromagnetic coupling.
Electromagnetic slip coupling.
Electromagnetically actuated mechanical double-friction coupling.
Fifth wheel coupling.
Flexible coupling.
Flexible hose coupling.
Flexible power transmission coupling.
Flexible shaft coupling.
Flexible ventilating coupling.
Fluid coupling.
Fluid shear type coupling.
Fluid tight rotary coupling.
Fused, polarized, blade-type electrical coupling.
Hermetically-sealed shaft coupling.
Hose coupling.
Hydrodynamic coupling.
Large diameter coupling.
Magnetic coupling.
Microwave slot coupling.
Multiple engine coupling.
Overload release coupling.
Pipe cleaner coupling.
Pipe coupling.
Pivoted detent pipe coupling.
Power transmission coupling.
Quick coupling.
Resilient coupling.
Resilient interchangeable tube coupling.
Reversible turbine type fluid coupling.
Rotary fluid coupling.
Rotary hydraulic coupling.
Rotary, multiple turbine hydraulic coupling.
Rotary, turbine-type fluid coupling.
Rotary, turbine type hydraulic coupling.
Self-aligning quick disconnect coupling.
Self-sealing coupling.
Shaft coupling.
Spring clutch type coupling.
Swivel pipe coupling.
Thrust coupling.
Tube coupling.
Turner slug coupling.
Universal coupling.
Valved pipe coupling.
Variable speed rotary fluid coupling.
Vehicle tow coupling.
Vertical axis, rotary hydraulic coupling.
Coupling. E. G. Boice. 2,664,272, Dec. 29.
Coupling. N. A. Christensen. 2,654,234, Oct. 6.
Coupling. A. B. Crichton, Jr., and C. G. Wennerstrom. 2,646,297, July 21.
Coupling. E. W. Crowley. 2,625,410, Jan. 13.
Coupling. D. J. Dennington, Jr. 2,640,719, June 2.
Coupling. F. M. Guy. 2,629,991, Mar. 3.
Coupling. G. E. Hanna. 2,642,297, June 16.
Coupling. J. A. Jones. 2,638,365, May 12.
Coupling. J. A. Jones. 2,652,270, Sept. 15.
Coupling. A. T. Scheiwer. 2,643,140, June 23.
Coupling. R. M. Sherman, A. S. Mullgardt, and C. E. Gray. 2,638,362, May 12.
Coupling. W. J. Spengler. 2,658,362, Nov. 10.
Coupling and clutch, Fluid. J. S. Hasbrouck. 2,641,342, June 9.
Coupling and control operated thereby, Overload release. J. M. Unk. 2,659,469, Nov. 17.
Coupling and fastening means for tool shanks and handles. E. L. Van Guilder. 2,653,030, Sept. 22.

Coupling and mechanical brake means, Rotary hydraulic. P. H. Batten. 2,651,916, Sept. 15.
Coupling and suspension for portable measuring devices, Resilient. P. G. Regna. 2,630,708, Mar. 10.
Coupling and thermostatic control therefor, Rotary fluid. P. P. Newcomb. 2,631,432, Mar. 17.
Coupling and vibration dampener, Combined resilient. F. M. Guy. 2,659,244, Nov. 17.
Coupling apparatus, Car. J. V. Berry. 2,661,851, Dec. 8.
Coupling apparatus, Radio frequency. J. L. Johnson. 2,656,517, Oct. 20.
Coupling clamp with constant spring loading. T. A. Woolsey. 2,659,953–4, Nov. 24.
Coupling construction. V. A. Hedberg, Jr. 2,641,489, June 9.
Coupling construction, Rotary fluid. E. B. Norwood. 2,635,429, Apr. 21.
Coupling device. W. J. Stroh. 2,659,056, Nov. 10.
Coupling device for testing coils and the like. A. T. Scheiwer. 2,646,998, July 28.
Coupling device for relatively rotatable coaxial cables. D. C. de Packh and J. E. Pugh, Jr. 2,641,744, June 9.
Coupling device for tubular elements. O. Valenta. 2,645,509, July 14.
Coupling device for vehicles. I. M. Wells. 2,650,833, Sept. 1.
Coupling device, High-frequency. R. L. Downey. 2,647,947, Aug. 4.
Coupling device, Magnetic fluid. P. H. White, Jr. 2,643,748, June 30.
Coupling device with spring pressed tighteners. J. T. Krapp. 2,641,490, June 9.
Coupling farming implements to conventional farm tractors adjacent the forward end thereof, Means for. E. Maurer. 2,648,269, Aug. 11.
Coupling for a warning light apparatus, Flexible drive. A. C. Heehler. 2,632,151, Mar. 17.
Coupling for abrasive wheels, Resilient. B. Tocci-Guilbert. 2,629,990, Mar. 3.
Coupling for cavity wavemeters, Mode suppressing. S. Zaslavsky and M. Zanichkowsky. 2,642,494, June 16.
Coupling for control cables. C. E. Cushman. 2,628,855, Feb. 17.
Coupling for conveyors, Universal. M. J. Anderson. 2,649,177, Aug. 18.
Coupling for drink mixers. O. M. Anderson. 2,664,002, Dec. 29.
Coupling for earth boring units. C. W. Kandle. 2,639,931, May 26.
Coupling for electrical cables, Detachable. O. S. Tibbetts. 2,659,062, Nov. 10.
Coupling for forward and reverse drive, Rotary hydraulic. H. G. Yates. 2,651,917, Sept. 15.
Coupling for frequency modulation discriminators. J. C. Spindler. 2,637,809, May 5.
Coupling for ganged rotatably controlled units. H. J. Glueckstein and W. B. Volkmann. 2,648,555, Aug. 11.
Coupling for joining lengths of trough gutters. J. D. Tennison, Jr. 2,639,680, May 26.
Coupling for lift type draft devices. W. P. Oehler. 2,650,103, Aug. 25.
Coupling for milking system, Valved. A. E. Anderson. 2,664,104, Dec. 29.
Coupling for misaligned shafts. E. F. Riopelle. 2,633,719, Apr. 7.
Coupling for offset shafts. J. D. Kreis. 2,646,686, July 28.
Coupling for tubular members. L. Miller. 2,657,944, Nov. 3.
Coupling for uniting a farming implement to a traction vehicle. A. E. Schenewolf. 2,629,305, Feb. 24.
Coupling for valve actuators, Friction. C. Hollerith. 2,632,473, Mar. 24.
Coupling having a floating intermediate ring, Universally movable. E. Meyer. 2,632,318, Mar. 24.
Coupling having adjustable overflow weir determining the extent of fill thereof, Rotary hydraulic. R. M. Nelden. 2,652,689, Sept. 22.
Coupling, Making a hose end. R. W. Phillips. 2,648,123, Aug. 11.
Coupling manual flow control, Automatic quick-disconnect. C. B. Livers. 2,662,784, Dec. 15.
Coupling means. F. A. Krohm. 2,657,083, Oct. 27.
Coupling means and trim for laminated building units. F. H. Trimmer. 2,641,029, June 9.
Coupling means for coaxial electrical lines. J. R. Bird. 2,663,753, Dec. 22.
Coupling means for detachably joining pipes. H. C. Engelman. 2,627,429, Feb. 3.
Coupling means for power take-offs. A. Rutishauser. 2,636,568, Apr. 28.
Coupling means, Ultra high-frequency. E. P. Thias. 2,648,814, Aug. 11.
Coupling mechanism, Fifth wheel. F. H. Kayler. 2,640,707, June 2.
Coupling member. E. G. Boice. 2,633,374, Mar. 31.
Coupling network, Signal receiver. A. Cotsworth, III. 2,632,803, Mar. 24.
Coupling nonterminal allylic halides. I. D. Webb. 2,654,787, Oct. 6.
Coupling of a helical conductor to a wave guide. F. C. F. O. Lund. 2,637,775, May 5.
Coupling or joint, Universal swivel. J. Kra 2,632,660, Mar. 24.
Coupling pin hitch. W. M. Cade and B. E 2,660,444, Nov. 24.
Coupling screw-on machine. J. W. Stouffer. May 26.
Coupling system for interchangeably connecting t systems of tractors and trailers. A. E. Hunt. Nov. 24.
Coupling system, Tuned inductive. R. L. 2,639,324, May 19.
Coupling unit, Permeability-tuned. G. W. 2,631,192, Mar. 10.
Coupling with detachable shoes, Fluid operated Kraft. 2,637,427, May 5.
Coupling with servo-action, Electromagnetically friction. A. Doebeli. 2,649,941, Aug. 25.
Coupling with thrust link, Flexible. C. J. 2,655,014, Oct. 13.
Course indicating system. B. Chance. 2,624,87
Course recorder. B. J. Baecher. 2,625,457, J
Course selector system. R. D. McCoy and R. S 2,634,067, Apr. 7.
Cove strip. R. Corson. 2,651,086, Sept. 8.
Cover: *See*—
Adjustable cover.
Adjustable table cover.
Automobile cover.
Baby couch cover.
Bathtub cover.
Bed cover.
Box cover.
Compound bed cover.
Container cover.
Desk top cover.
Drain trough cover.
Fingernail cover.
Folding hat cover.
Golf ball cover.
Golf club head cover.
Handbag cover.
Hatch cover.
Haystack cover.
Hinged multicell cover.
Hinged wheel-supported hatch cover.
Hopper seat cover.
Hot top cover.
Ironing board cover.
Luggage compartment cover.
Mattress cover.
Ornamental whee
Paint roller cove
Panel board cove
Protective book c
Protective cover.
Recessed book co
Removable seat c
Removable wash cover.
Serving tray cove
Sliding box cover
Spark plug cover.
Spring cover.
Steel hatch cover
Studio couch slip
Toilet tissue co
Tool protecting c
Toothbrush cove
Track-carried ha
Vehicle wheel co
Vehicle windshie
Venetian blind c
Violin case cover
Wheel cover.
Wheel housing c
Cover. H. W. Hempel. 2,633,236, Mar. 31.
Cover and its manufacture. R. A. Claridge Thomas. 2,633,286, Mar. 31.
Cover cap fastening means. H. H. Laucks. Mar. 17.
Cover construction. F. E. Coppock. 2,639,168
Cover construction for worktables. C. S. 2,646,328, July 21.
Cover displacing leg for swingable davenport ba Poskin. 2,636,187, Apr. 28.
Cover dropper. H. R. Baldwin. 2,629,355, Feb.
Cover for baby carriage contents, Protective. J. 2,646,843, July 28.
Cover for bake pans. J. Kollman. 2,654,50
Cover for beehives, Ventilating. W. T. Kelley. Oct. 13.
Cover for belt conveyers, Flexible. S. M. 2,644,574, July 7.
Cover for closing the hatchways of ships, Metal Mege. 2,627,835, Feb. 10.
Cover for containers, Pressure responsive. J. 2,653,729, Sept. 29.
Cover for cooking utensils. J. B. Smith. 2,636 28.
Cover for cooking vessels, Vented. R. B. 2,643,024, June 23.
Cover for ends of books. V. B. Harrington. Oct. 27.
Cover for garment hangers. M. B. Gwinn and kin. 2,644,622, July 7.
Cover for headboards, Decorative. R. Gill. June 16.
Cover for high-pressure vessels. L. T. 2,624,488, Jan. 6.
Cover for milk cans, Expansible. R. A. 2,634,881, Apr. 14.
Cover for painting rollers, Detachable tubula Thomas and S. T. Coughlan. 2,647,300, Aug
Cover for playpen pads. A. B. Moore and A. B. 2,629,112, Feb. 24.
Cover for telescopic sights. T. W. Lloyd. Nov. 3.
Cover for temporary protection of shoes. S. M and H. C. Reynolds, Jr. 2,651,857, Sept. 15.
Cover for toilet flush tanks. P. E. Doebler. May 5.
Cover for toilet tanks. E. Puste. 2,652,875, Se
Cover for universal joints, Flexible. G. B. Still 2,648,208, Aug. 11.
Cover for vehicle wheels. J. H. Hunt. 2,631,89
Cover for vehicles. J. T. Flaherty. 2,639,751,

Cover for wrist watches, Protective. J. C. Mietchen. 2,635,416, Apr. 21.
Cover means for belt conveyers. S. M. Mercier. 2,644,572, July 7.
Cover operated display box. M. Goldshine. 2,657,793, Nov. 3.
Cover plate and toggle switch actuator. K. E. Savage. 2,639,356, May 19.
Cover plate for flush type electric wall receptacles, Safety. D. C. Lewis. 2,641,627, June 9.
Cover plate, Top pilot. J. E. Chambers. 2,632,438, Mar. 24.
Cover plate, Top pilot. J. E. Chambers and T. E. Phares. 2,632,437, Mar. 24.
Cover removing machine. E. N. Griswold. 2,634,036, Apr. 7.
Cover securing means for wall boxes. C. A. P. Johnson. 2,652,171, Sept. 15.
Cover structure for cage-type hollow bodies. G. B. Hume. 2,635,781, Apr. 21.
Cover structure for hollow bodies having improved actuating and carrying means therefor. G. D. Schmidt. 2,635,780, Apr. 21.
Cover to protect luggage, Supplementary. I. J. Meyers. 2,647,595, Aug. 4.
Covered sole member. K. A. Stritter. 2,661,548, Dec. 8.
Covering a bowling pin. W. L. Hunt. 2,656,294, Oct. 20.
Covering an irregular surface. G. H. Whigham and B. E. M. Miller. 2,636,836, Apr. 28.
Covering for awnings and the like. D. H. Ruggles. 2,647,292, Aug. 4.
Covering for dispensing nozzles, Protective. R. Hall. 2,649,770, Aug. 25.
Covering for feet or hands, Protective. J. J. Hilton. 2,658,310, Nov. 10.
Covering for tie-rod ends, Safety. F. R. Britt. 2,657,945, Nov. 3.
Covering for toilet flush tanks. A. E. Armstrong. 2,652,874, Sept. 22.
Cow stanchion. T. O. Montero. 2,625,907, Jan. 20.
Cowtail suspender. S. Jaksekovich. 2,645,203, July 14.
Crab trap. W. J. Buford. 2,639,540, May 26.
Cracking of hydrocarbon oils. K. P. Lanneau and E. M. Charlet. 2,632,727, Mar. 24.
Cracking residual fractions containing salts. J. H. McCulley and H. P. Dayton. 2,626,892, Jan. 27.
Cracking with mixed catalysts. C. K. Viland. 2,656,305, Oct. 20.
Cradle control for carcass dehairing device. C. O. Schmidt, Jr. and F. A. Zaenkert. 2,648,871, Aug. 18.
Cradle, Electric. W. G. Davis. 2,644,958, July 14.
Cradle on bogies for railway rolling stock, Twin-bolster. G. Borgenud and J. Waldvogel. 2,660,960, Dec. 1.
Craft identification device. B. F. Greene, Jr. 2,633,568, Mar. 31.
Craft position plotting system. J. Lyman and G. B. Litchford. 2,637,024, Apr. 28.
Crane. G. M. and R. S. Babare. 2,625,276, Jan. 13.
Crane. N. G. Bell. 2,664,212, Dec. 29.
Crane and bulldozer, Combination. E. A. Brugger. 2,647,331, Aug. 4.
Crane arm for trucks. W. W. Levan. 2,644,595, July 7.
Crane, Building block handling. A. Palmer. 2,650,718, Sept. 1.
Crane cab. R. F. Dehn. 2,629,500, Feb. 24.
Crane cab. R. F. Dehn. 2,646,892, July 28.
Crane construction. A. L. Senn, C. D. Gould, C. Evensen, and A. L. Senn, Jr. 2,627,984, Feb. 10.
Crane, Drapery. L. L. Whitney. 2,642,192, June 16.
Crane, Highway. E. V. Cullen. 2,631,737, Mar. 17.
Crane, Jib. F. J. Truesdale. 2,630,926, Mar. 10.
Crane, Logging. M. D. Troyer. 2,656,059, Oct. 20.
Crane, Portable. W. G. Adams. 2,661,854, Dec. 8.
Crane propelled drive. R. P. Fox. 2,642,007, June 16.
Crane, Truck. W. J. Perkins. 2,638,232, May 12.
Crane with road and rail wheels, Automotive. J. W. Wunsch. 2,630,766, Mar. 10.
Crank arm adjustable in length and angular position. A. W. Gaubatz. 2,627,188, Feb. 3.
Crank arm for sliding doors, Throwout. S. B. Haseltine. 2,650,392, Sept. 1.
Crank assembly. G. F. Knrow. 2,635,484, Apr. 21.
Crankcase and filler device, Engine. J. C. Slonneger. 2,638,076, May 12.
Crankcase flusher. C. F. Hoerner. 2,627,862, Feb. 10.
Crankcase ventilation kit. W. E. Drinkard. 2,656,000, Oct. 20.
Crank linkage, Eccentric. G. S. Perkins. 2,632,421, Mar. 24.
Crank mechanism. H. Sebel. 2,644,345, July 7.
Crankshaft construction. H. Nelson. 2,662,267, Dec. 15.
Crankshaft for reciprocating machinery, Built-up. C. S. Sundbom and C. V. Winquist. 2,643,145, June 23.
Crankshaft grinding device. E. A. Fuglie. 2,629,213, Feb. 24.
Crankshaft, piston, and connecting rod for, Internal-combustion engines. E. C. Kiekhaefer. 2,652,728, Sept. 22.
Crankshaft rear bearing seal. F. McGowen. 2,657,675, Nov. 3.
Cranking device, Engine. M. H. Cole. 2,652,045, Sept. 15.
Crash panel for vehicles. P. E. Clingman. 2,624,596, Jan. 6.
Crate, box, or similar container. W. J. Cella. 2,638,238, May 12.
Crate for beverage bottles and the like. B. L. Baxter. 2,648,456, Aug. 11.
Crate lifting attachment. A. V. Blatz. 2,660,327, Nov. 24.
Crate or container. W. J. Cella. 2,638,239, May 12.
Crate, Packing. J. S. Johnson. 2,651,431, Sept. 8.
Crating system for sheet material or the like. J. W. McCracken. 2,661,837-8, Dec. 8.
Cravat. J. A. Goguen. 2,654,095, Oct. 6.
Crayfish picking machine. F. O. Roshko. 2,660,754, Dec. 1.
Crayon pointer. M. C. Knapp. 2,664,072, Dec. 29.
Crayon sharpener. E. Blanco and Z. Melnikoff. 2,624,316, Jan. 6.
Cream box. J. Gabler. 2,627,365, Feb. 3.
Cream separator and cap. E. Scheemaeker. 2,645,349, July 14.
Credit unit. R. A. McCallum. 2,658,171, Nov. 3.
Crediting and debiting apparatus for vending machines, Coin-controlled. M. G. Nelsen. 2,649,947, Aug. 25.
Creep testing of high-temperature alloys. T. C. Van Degrift. 2,660,881, Dec. 1.
Creep prevention control for hydraulic power units. S. A. Jacques. 2,641,227, June 9.
Crepe rubber composition, Nonskid. C. F. Backus. 2,643,234, June 23.
Crib. C. C. Loftin. 2,645,786, July 21.
Crib and dressing table, Combination child's. J. A. Toomey. 2,652,574, Sept. 22.
Crib and playpen, Combination. J. J. Field. 2,651,786, Sept. 15.
Crib and playpen, Combination. W. T. Power. 2,651,057, Sept. 8.
Crib and playpen, Portable combination. L. H. Berk and J. C. Bullock. 2,632,186, Mar. 24.
Crib, Baby. N. J. Kroll. 2,635,257, Apr. 21.
Crib, Cabinet type folding. W. H. Sheldon. 2,640,203, June 2.
Crib construction, Collapsible. H. Abrams. 2,646,576, July 28.
Crib convertible into a playpen, Baby. P. E. Cook. 2,641,772, June 16.
Crib, Drop side. V. J. Bukolt. 2,641,775, June 16.
Crib, Foldable. L. A. Hagelfeldt. 2,659,903, Nov. 24.
Crib, Folding. S. Carbee. 2,641,774, June 16.
Crib, Folding infant's. J. L. Kurry. 2,626,407, Jan. 27.
Crib guard. L. C. Mahan. 2,628,373, Feb. 17.
Crib shortening, cover-holding device, and baby anchor. W. McGinnis. 2,659,904, Nov. 24.
Crib, small bathtub, and toilet unit, Combination. C. King. 2,662,231, Dec. 15.
Crib ventilation control, Infant. I. S. Netel. 2,630,584, Mar. 10.
Cribbage board. V. G. Landers. 2,646,221, July 21.
Crimped fibers, filaments, and threads, Production of. H. M. Hemmi. 2,636,250, Apr. 28.
Crimping apparatus. G. A. Swartz. 2,653,646, Sept. 29.
Crimping head with laterally movable jaws. A. E. Almgren and J. P. Jakob. 2,626,581, Jan. 27.
Crimping machine, Roll. H. C. Bryans. 2,660,846, Dec. 1.
Crimping textile fibers. J. H. Pfau. 2,647,285, Aug. 4.
Crochet hook. G. A. Carlson. 2,635,444, Apr. 21.
Crop loader, Trailer type. H. D. Hume. 2,650,690, Sept. 1.
Crop pickup reel. K. J. Van Sickle. 2,627,158, Feb. 3.
Crop shredder, Farm row. J. Haban. 2,659,188, Nov. 17.
Crop spraying machine. G. M. Rhodeen. 2,628,128, Feb. 10.
Crop stripper for rotary rakes. C. B. Richey. 2,641,895, June 16.
Cross air blast circuit breaker. E. Salzer. 2,629,798, Feb. 24.
Cross arm supporting gain for attachment to transmission line poles. K. C. Jonne. 2,662,714, Dec. 15.
Crossbar switch. J. H. Mogler. 2,657,275, Oct. 27.
Crossbar system switchboard construction. E. L. Earle and R. P. Arthur. 2,627,554, Feb. 3.
Crossbar system switchboard unit mounting. R. P. Arthur. 2,656,418, Oct. 20.
Crossbeam and accessory attachment to automobile structures. S. C. Vahey and H. G. Kain. 2,636,749, Apr. 28.
Crossbeam attachment for automobiles. A. R. Lindsay. 2,636,774, Apr. 28.
Crossbeam attachment for automobiles. S. C. Vahey. 2,636,750, Apr. 28.
Cross-bearer construction for railway cars. S. Simonson. 2,652,006, Sept. 15.
Cross blast circuit breaker with arcing contacts controlling orifice of arcing chamber. C. D. Ainsworth. 2,645,694, July 14.
Cross bridge, Self-adjusting. G. E. Eichenlaub. 2,624,080, Jan. 6.
Cross drive for heavy vehicles. O. K. Kelley. 2,655,054, Oct. 13.
Crossfeed mechanism. P. A. Mulcey, J. W. Eckerd, and E. I. Small. 2,641,369, June 9.
Crossfooter pickup, Adjustable. R. L. Wise. 2,626,748, Jan. 27.
Cross-head connection. A. A. Ashton. 2,649,342, Aug. 18.

Cross lighter and removable port-forming grid. G. E. Hughes. 2,652,107, Sept. 15.
Crosslinking organo-polysulfide rubber. T. A. Te Grotenhuis and G. H. Swart. 2,631,994, Mar. 17.
Crossover bridge and operating mechanism. A. W. Skinner. 2,652,783, Sept. 22.
Crossover protection apparatus. L. B. Yarbrough. 2,631,227, Mar. 10.
Cross rolling mill. F. B. Abramsen. 2,642,763, June 23.
Crossrow plant blocking machine. G. W. Howard. 2,627,216, Feb. 3.
Cross slide. A. H. Jobert. 2,634,645, Apr. 14.
Crotch type arrow projector. J. Fisher. 2,645,217, July 14.
Crowd unit for horizontal loaders. L. E. Smith. 2,631,744, Mar. 17.
Crown cap removing and retaining implement. J. Belpedio. Re. 23,731, Nov. 10.
Crown finishing gears. W. S. Praeg. 2,635,507, Apr. 21.
Crown marking apparatus. A. G. Wood, C. J. Laval, J. Callaghan, E. A. Wahl, M. A. Greulich, and W. Boehl. 2,636,434, Apr. 28.
Crown tooth support. P. Brooks. 2,655,724, Oct. 20.
Crucible interchanging mechanism for arc melting furnaces. R. L. Southern. 2,651,668, Sept. 8.
Crucifix for rosaries, neck chains, or the like. H. Randall. 2,650,445, Sept. 1.
Crude distillation and cracking process, Combination. C. T. Harding, M. W. Mayer, and R. O. Wright. 2,644,785, July 7.
Crude oil and gas separator. A. J. Vallier. 2,636,570, Apr. 28.
Crumbing mechanism for excavating machines. A. R. Askue. 2,654,966, Oct. 13.
Crush dressing mechanism. E. V. Flanders and C. H. Drury. 2,652,601, Sept. 22.
Crusher and liner and mantles therefor, Gyratory. H. M. Zoerb. 2,635,818, Apr. 21.
Crusher with combination feed and crushing screw. H. L. Smith and A. A. Gustafson. 2,656,123, Oct. 20.
Crushing machine. G. E. Krider. 2,628,037, Feb. 10.
Crushing or cracking ice, Method of and means for. A. Lee and E. Lieberman. 2,648,955, Aug. 18.
Crutch. Rolling. E. R. Warren. 2,652,097, Sept. 15.
Crutch spur. W. R. Phinney. 2,631,597, Mar. 17.
Crutch, Telescoping and adjustable. R. W. Slater. 2,630,128, Mar. 3.
Cryptogrammic device. H. Fine. 2,624,958, Jan. 13.
Crystal apparatus, Piezoelectric. J. M. Wolfskill. 2,635,199, Apr. 14.
Crystal cap and holder. C. W. Davis. 2,647,210, July 28.
Crystal contact device. E. G. James and A. O. E. Lindell. 2,660,696, Nov. 24.
Crystal contact device. E. G. James and A. O. E. Lindell. 2,662,984, Dec. 15.
Crystal element, Multielectrode semiconductor. H. Walker. 2,655,624, Oct. 13.
Crystal filter circuit. R. L. Craiglow. 2,637,779, May 5.
Crystal for watches, Compass. H. Dinstman. 2,636,283, Apr. 28.
Crystal growing apparatus. O. Imber. 2,647,043, July 28.
Crystal mounting for delay lines. W. M. A. Andersen. 2,663,006, Dec. 15.
Crystal temperature control means. L. F. Koerner. 2,660,680, Nov. 24.
Crystal unit. J. F. Barry and D. M. Ruggles. 2,644,904, July 7.
Crystal unit, Electrical. J. E. Fitchett. 2,632,042, Mar. 17.
Crystal unit for use at high temperatures. A. W. Warner, Jr. 2,656,473, Oct. 20.
Crystalline active principle from allium species, Preparing. E. Seebeck. 2,642,374, June 16.
Crystalline β-Ionone. T. G. Drustrup. 2,638,483, May 12.
Crystalline calcium ascorbate. S. L. Ruskin. 2,631,155, Mar. 10.
Crystalline ferric ammonium citrate compounds. H. J. Kruse and H. C. Mounce. 2,644,828, July 7.
Crystalline insulin from acid alcoholic extracts of pancreas glands, Preparing. J. D. H. Homan. 2,663,666, Dec. 22.
Crystalline insulin, Producing. K. Petersen. 2,626,228, Jan. 20.
Crystalline naphthalene sulfonate salts of streptomycin and dihydrostreptomycin. R. A. Carboni and P. P. Regna. 2,650,216, Aug. 25.
Crystalline penicillin salts. Production of. G. H. Brown, W. C. Morrison, and E. W. Flosdorf. 2,645,639, July 14.
Crystalline vinylidene chloride polymer tubing whose walls do not cohere, Manufacture of. C. R. Irons. 2,634,459, Apr. 14.
Crystallization of chlorotetracycline. E. R. Harms. 2,658,077, Nov. 3.
Crystallization of streptomycins. L. J. Heuser. 2,633,464, Mar. 31.
Crystallization of urea. W. Michelitsch. 2,660,604, Nov. 24.
Crystallization process and apparatus. B. L. Graham. 2,651,922, Sept. 15.
Crystallizer, Sugar. E. W. Kopke. 2,633,435, Mar. 31.
Crystallizing apparatus. A. Marks. 2,651,564, Sept. 8.
Crystallizing dihydrostreptomycin sulfate. R. B. Peet. 2,640,054, May 26.
Crystallizing naphthalene, Method and apparatus for. G. J. Haddad and J. H. Wells. 2,642,405, June 16.
Crystallizing sodium carbonate. L. Vahl. 2,642,342, June 16.
Cube cutting machine and cutter therefor. C. A. Papendick. 2,646,832, July 28.
Cue, Mechanically operated. F. E. Elersich. 2,658,756, Nov. 10.
Cuff fastening with separable fastener. H. D. Baskind. 2,648,110, Aug. 11.
Cuff for trouser legs and the like, Attachable. C. Crompton, Jr. 2,638,600, May 19.
Cuff, Garment. S. F. Stein. 2,641,765, June 16.
Cuff link. K. Albrecht. 2,632,931, Mar. 31.
Cuff link. R. O. Wilson. 2,658,249, Nov. 10.
Cuff link and the like. A. Plotnizky. 2,637,083, May 5.
Cuff links, Reversible front. W. H. Meeker. 2,638,649, May 19.
Cuff marker. F. G. Mena. 2,624,945, Jan. 13.
Culinary device. S. F. Conkle. 2,659,144, Nov. 17.
Culinary utensil holder. F. E. Kosinski. 2,664,005, Dec. 29.
Cull checking system for multiple station grading or packing stands. G. C. Paxton. 2,644,579, July 7.
Cultivating and filling machine. W. Wharton. 2,643,599, June 30.
Cultivating device. C. V. Edwards. 2,654,982, Oct. 13.
Cultivating implement. B. M. Peters. 2,658,437, Nov. 10.
Cultivator. L. M. Brooks. 2,645,987, July 21.
Cultivator. T. J. Denning. 2,646,738, July 28.
Cultivator. J. S. Glomb. 2,659,290, Nov. 17.
Cultivator. L. Hammon. 2,662,462, Dec. 15.
Cultivator. H. S. Shoemaker. 2,632,371, Mar. 24.
Cultivator. J. H. Starr. 2,626,547, Jan. 27.
Cultivator. J. H. Starr. 2,626,551, Jan. 27.
Cultivator attachment. J. A. Vawter. 2,651,984, Sept. 15.
Cultivator attachment for tractors. J. A. Bauer. 2,663,240, Dec. 22.
Cultivator attachment for tractors. D. P. Pratt. 2,636,428, Apr. 28.
Cultivator attachment for tractors. G. Prince. 2,645,989, July 21.
Cultivator attachment, Multiple purpose. E. H. Holden. 2,655,855, Oct. 20.
Cultivator, Motor-propelled. S. Smith. 2,647,450, Aug. 4.
Cultivator, Pivoted blade. G. A. Burr. 2,659,285, Nov. 17.
Cultivator shield. B. F. Greiman. 2,624,261, Jan. 6.
Cultivator shield. F. E. Knuth. 2,657,622, Nov. 3.
Cultivator shield. C. A. Warnke. 2,624,260, Jan. 6.
Cultivator shield or fender. B. F. Greiman. 2,624,259, Jan. 6.
Cultivator tool-bar connection. W. H. Silver. 2,632,373, Mar. 24.
Cultivator, Tractor mounted. T. W. Johnson. 2,624,255, Jan. 6.
Cultivator, Tractor-mounted. J. M. Lee. 2,655,853, Oct. 20.
Cultivator, Tractor mounted tree embracing rotary. J. Morkoski. 2,651,249, Sept. 8.
Cultivator, Tractor mounted vineyard. T. W. Thompson. 2,630,746, Mar. 10.
Culture of phage-sensitive *Streptomyces griseus*. D. Perlman and A. F. Langlykke. 2,638,436, May 12.
Culvert having laminated wall sections, Wood. C. T. Jensen. 2,657,713, Nov. 3.
Cup. F. L. Adrian. 2,632,319, Mar. 24.
Cup, Adjustable measuring. D. P. Christie. 2,625,044, Jan. 13.
Cup, Adjustable measuring. S. L. Thomas. 2,642,744, June 23.
Cup-and-saucer holder. I. Meline. 2,634,936, Apr. 14.
Cup, Baby. E. V. Bryant. 2,640,337, June 2.
Cup, Collapsible drinking. F. R. Curtiss. 2,645,913, July 21.
Cup construction. L. A. Revell. 2,661,609, Dec. 8.
Cup dispenser. D. E. Lawson. 2,624,647, Jan. 6.
Cup, Disposable drinking. J. K. McFarland and W. C. Neiss. 2,652,971, Sept. 22.
Cup, Drinking. A. E. Brown. 2,625,019, Jan. 13.
Cup, Handled. K. T. Buttery and L. W. Sutherland. Jr. 2,641,403, June 9.
Cup, Heat dispersing drinking. T. J. Longhurst. 2,652,701, Sept. 22.
Cup holder. J. P. Fazakerley. 2,628,054, Feb. 10.
Cup, Liquid dispensing. C. J. Dexter. 2,627,735, Feb. 10.
Cup orienting device. H. W. Roeber. 2,639,034, May 19.
Cup, Shortening measuring. V. T. Moe. 2,625,824, Jan. 20.
Cup, Thermal coffee. D. E. Phinney. 2,661,889, Dec. 8.
Cup turning machine. J. Jordan. 2,632,223, Mar. 24.
Cupped shells, Making. O. H. May. 2,654,942, Oct. 13.
Cups for frozen pops. R. H. Sueskind. 2,632,708, Mar. 24.
Cupola-Bessemer process, Continuous. J. F. Jordan. 2,639,984, May 26.
Cupola dust arrester. J. D. Schmieg. 2,630,880, Mar. 10.
Cupola melting of cast iron. S. F. Carter, Jr. 2,643,183, June 23.
Cupola stack or tower. C. B. Schneible and A. S. Lund. 2,643,867, June 30.

Cuprammonium cellulose solution, Making a. E. J. Courtney. 2,651,581-2, Sept. 8.
Cupriferous disazo-dyestuffs. H. Riat. 2,653,149, Sept. 22.
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Curve follower. A. L. Holcomb. 2,663,857, Dec. 22.
Curve pen adapter. G. Lory. 2,639,506, May 26.
Curve scriber. V. Debs. 2,650,429, Sept 1.
Curved platen printing press. J. F. Jirousek. 2,639,667, May 26.
Curved side plate hydraulic press. J. A. Muller. 2,654,310, Oct. 6.
Curving a flat molded plastic printing plate. H. M. Richardson and W. Baumrucker, Jr. 2,647,284, Aug. 4.
Curving cellulose collar blanks by differential shrinking with chemical shrinking agents. E. A. Wood. 2,647,036, July 28.
Cushion. O. A. Berman. 2,638,156, May. 12.
Cushion and manufacturing the same. L. A. Pfankuch. 2,649,900, Aug. 25.
Cushion assembly for automotive vehicles, Safety. J. W. Hetrick. 2,649,311, Aug. 18.
Cushion assembly, Spring. A. J. Quinn. 2,641,778, June 16.
Cushion for vehicles and furniture, Floating motion. J. M. Dorton. 2,644,509, July 7.
Cushion having the load supporting portion reinforced by fabric, Spring. B. C. Gould. 2,655,204, Oct. 13.
Cushion lining for dentures. S. J. Hetzel. 2,645,012, July 14.
Cushion or the like. O. A. Berman. 2,659,418, Nov. 17.
Cushion pad. L. Davis. 2,626,394, Jan. 27.
Cushion, Pneumatic. J. T. Young. 2,634,799, Apr. 14.
Cushion structure for motor vehicles, Spring. W. A. Clark. 2,634,800, Apr. 14.
Cushion support assembly. A. J. Belisle. 2,642,931, June 23.
Cushion unit, Spring. M. J. Rymland. 2,630,586, Mar. 10.
Cushion utilizing side-loaded helical springs, Resilient. A. R. Schulze. 2,655,370, Oct. 13.
Cushioned eyeglass case. R. Wolf. 2,650,700, Sept. 1.
Cushioning appliance, Foot. C. F. Crawford. 2,633,129, Mar. 31.
Cushioning device. A. E. Forsyth. 2,627,077, Feb. 3.
Cushioning device. D. Willison. 2,656,182, Oct. 20.
Cushioning device, Resilient. L. S. Wilbur. 2,661,942-3, Dec. 8.
Cushioning means for dump rakes. M. T. Sjerslee. 2,663,135, Dec. 22.
Cushioning mechanism. H. L. Spence and D. Willison. 2,644,684, July 7.
Cushioning mechanism. G. F. Vala and G. F. Couch. 2,650,087, Aug. 25.
Cushioning mechanism for railway vehicles. D. Willison. 2,640,602, June 2.
Cushioning mechanism for railway vehicles. D. Willison and H. L. Spence. 2,640,603, June 2.
Cushioning member for artificial dentures. F. E. Avery. 2,663,933, Dec. 29.
Cut film holder light trap. L. I. Smith and R. Engle. 2,635,515, Apr. 21.
Cutoff for hydropneumatic tanks, Low-pressure. J. A. Dodd. 2,655,931, Oct. 20.
Cutoff machine. R. C. Kenyon. 2,624,981, Jan. 13.
Cutoff mechanism for marking machines, Selectively operable. F. C. Geiler. 2,664,159, Dec. 29.
Cutout inspection device. G. M. Schiedel. 2,648,817, Aug. 11.
Cut point determination in pipe-line batching. W. A. Bruce. 2,654,067, Sept. 29.
Cutter: *See*—
Aitchbone cutter.
Ampoule cutter.
Asparagus fern cutter.
Automatic paraffin cutter.
Bolt cutter.
Brick cutter.
Cable armor cutter.
Cable insulation cutter.
Carton cutter.
Cheese curd cutter.
Cheese cutter.
Detachable root cutter.
Disk type potato vine cutter.
Dough cutter.
Doughnut cutter.
Electric hedge cutter.
Ensilage cutter.
Flexible conduit cutter.
Forage cutter.
Gear cutter.
Glass cutter.
Glass tube cutter.
Grass edge cutter.
Hair cutter.
Heavy duty tree cutter.
Hydraulically operated paper cutter.
Inside pipe cutter.
Line stopper shell cutter.
Linoleum cutter.
Milling cutter.
Motor operated cutter.
Panel cutter.

Cutter: *See*—Continued.
Pipe cutter.
Power-driven stalk cutter.
Rotary cutter.
Rotary flanged disk weed cutter.
Seal cutter.
Self-centering cutter.
Self-supporting automatically operable tube cutter.
Shear cutter.
Sod cutter.
Stalk cutter.
Staple fiber cutter.
Straightedge and paper cutter.
Tape cutter.
Temple thread cutter.
Thread cutter.
Vine cutter.
Weed cutter.
Cutter and breaker bar for lawn mowers. L. N. and A. Smith. 2,642,711, June 23.
Cutter and loader, Mechanical sod. A. B. Lancaster. 2,663,242, Dec. 22.
Cutter bar and mower guard for mowers. V. O. Hauswirth. 2,637,158, May 5.
Cutter bar for lawn mowers, Adjustable. F. W. Jatunn. 2,651,904, Sept. 15.
Cutter bit. J. D. King. 2,645,471, July 14.
Cutter bit and holder therefor. H. M. Stephens. 2,647,737, Aug. 4.
Cutter bit with fluid flushed bearings, Roller. H. B. Woods. 2,661,932, Dec. 8.
Cutter blade support for lawn mowers. C. K. Cole. 2,624,169, Jan. 6.
Cutter blades for carpenters' planes, Removable. P. Lausch. 2,638,947, May 19.
Cutter chain. L. G. Rollins. 2,661,940, Dec. 8.
Cutter chain. L. E. Simmons. 2,644,679-80, July 7.
Cutter chain. L. E. Simmons. 2,653,808, Sept. 29.
Cutter device for mining machines, Rotary. G. C. McGowan. 2,643,106, June 23.
Cutter device for pipe cleaners, Rotary. W. S. Lang and L. R. Robinson. 2,641,010, June 9.
Cutter for asphalt tiles and the like. C. A. Regele. 2,626,664, Jan. 27.
Cutter for drills, Rotary. R. D. McMahon. 2,651,501, Sept. 8.
Cutter for film take-up magazines. D. W. McArthur. 2,663,514, Dec. 22.
Cutter for multilayer cables, Peripheral. D. K. Davis and R. K. Rauh. 2,660,783, Dec. 1.
Cutter for paper mill drying rollers, Paper. J. C. Nix, III. 2,629,182, Feb. 24.
Cutter for producing gears. E. Wildhaber. 2,648,894, Aug. 18.
Cutter for producing radish rosettes. F. Torres. 2,625,972, Jan. 20.
Cutter for producing staple fiber and flock. D. B. Wicker. 2,631,668, Mar. 17.
Cutter guide, Transparent. J. and H. McMillan. 2,628,424, Feb. 17.
Cutter having a retractable guard, Carton. A. H. Anderson. 2,644,230, July 7.
Cutterhead guard for vertical spindle shapers. W. E. Brown. 2,642,104, June 16.
Cutter holder. M. H. Steinke. 2,624,116, Jan. 6.
Cutter holder for stone dressers and the like. P. Weynand. 2,627,262, Feb. 3.
Cutter mechanism for mowing machines. M. K. Benson. 2,640,309, June 2.
Cutter spacing checker. G. H. Hedman. 2,637,908, May 12.
Cutter spindle and feed mechanism therefor. R. J. Stuart and A. D. Gunderson. 2,658,423, Nov. 10.
Cutter with variable spacing means, Rotary. O. Muller. 2,637,395, May 5.
Cutting adhesive material and mounting the same upon a card, Apparatus and method of. R. Connor and H. E. Hooe. 2,627,212, Feb. 3.
Cutting and assembling machine, Bandage. H. S. Fisher and G. P. Beck. 2,642,116, June 16.
Cutting and gripping mechanism for printing machines. W. F. Huck. 2,659,437, Nov. 17.
Cutting and splicing apparatus. W. D. Dain. 2,661,046, Dec. 1.
Cutting and welding apparatus, Universal gas. V. B. Garrison. 2,645,475, July 14.
Cutting apparatus for well conduits. F. E. O'Neill. 2,624,409, Jan. 6.
Cutting attachment for bulldozers, Tree and brush. James E. Kissner, E. L. Green, and John E. Kissner. 2,633,164, Mar. 31.
Cutting attachment for tractors, Grass. M. Crump. 2,653,437, Sept. 29.
Cutting bar for mowing machines. R. Carter. 2,627,156, Feb. 3.
Cutting blade for ditching and cable laying machines. F. B. Ryan. 2,649,747, Aug. 25.
Cutting block. J. W. Cole and L. E. McElroy. 2,649,911, Aug. 25.
Cutting device. K. R. Runde. 2,645,848, July 21.
Cutting device. H. E. Stout. 2,636,245, Apr. 28.
Cutting device of the miss-cut type. K. W. Hallden. 2,642,937, June 23.
Cutting device, Thong. W. Hinsche. 2,648,905, Aug. 18.
Cutting die mounting and ejector. J. E. McClellan. 2,643,715, June 30.
Cutting duct sections. C. F. Engel. 2,648,381, Aug. 11.
Cutting element for compositing machines or hay comminuting machines. P. W. Perry. 2,644,501, July 7.
Cutting fluid and coolant. E. Laug. 2,625,509
Cutting implement. J. W. Albritton. 2,656,60
Cutting machine. B. B. Junkunc. 2,660,241,
Cutting machine, Baigle. J. M. Zeprun. Apr. 7.
Cutting machine, Bias. S. P. Parker and R. L. 2,644,522, July 7.
Cutting machine, Compound bore. F. C. Gr G. H. A. Ruby. 2,645,162, July 14.
Cutting machine drive means. W. P. Gallagher. Dec. 15.
Cutting machine for extruded clay products. 2,641,042, June 9.
Cutting machine for plastic material. J. 2,641,041, June 9.
Cutting machine for plastic sheeting. F. E. 2,655,213, Oct. 13.
Cutting machine for synthetic silk and rayon ya Regalia. 2,642,135, June 16.
Cutting machine, Hydraulic. L. D. Barley. Aug. 18.
Cutting machine, Length. H. Nelson. 2,644,5
Cutting machine, Rotary. P. G. Csigi. 2,654,
Cutting machine, Swatch. R. C. Maxant. Sept. 29.
Cutting machine, Tape. M. S. Mansson. 2,65 17.
Cutting materials, Method and apparatus f Allen. 2,630,173, Mar. 3.
Cutting materials, Method of and apparatus Bodine, Jr. Re. 23,657, May 19.
Cutting means for parquetry block machines. bals. 2,630,847, Mar. 10.
Cutting mechanism for harvesters, Helic Pasturczak. 2,654,208, Oct. 6.
Cutting oil composition. H. A. Ambrose and O. 2,658,870, Nov. 10.
Cutting paper and like webs, Method of and ap A. Ashman. 2,651,364, Sept. 8.
Cutting saw chain. N. C. Bye. 2,652,076, Sep
Cutting shoe for bagmaking machines. 2,640,540, June 2.
Cutting stencils. I. L. Herrin. 2,630,755, Mar
Cutting surface for wire. S. W. Sam. 2,633,
Cutting synthetic fiber fabrics, Method and ap E. F. Vera. 2,628,412, Feb. 17.
Cutting teeth in pinking shears. A. and R. J 2,643,584, June 30.
Cutting the wrapper from rolls of newsprint Means for. W. L. Oelkrue. 2,643,716, June
Cutting tip of composite construction. E. H and K. D. Isecke. 2,652,105, Sept. 15.
Cutting tool. G. E. Franck. 2,629,926, Ma
Cutting tool. E. C. Howell. 2,637,529, May
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Cutting tool. A. L. Thompson, K. T. Nystro Quiddy, and R. B. Stanley. 2,645,003, July
Cutting tool. W. Vreeland. 2,641,048, June
Cutting tool and method of making. F. L. Wisler, and H. B. Woods. 2,660,405, Nov.
Cutting-tool for sheet material. R. H. 2,629,927, Mar. 3.
Cutting torch tip, Including high and low heat passages. F. J. Eichelman. 2,655,2
Cutting tubing, Method of and means for. S 2,630,174, Mar. 3.
Cutting web into strips. J. E. Socke. 2,648,
Cuttings removing mechanism. J. A. Hayward June 2.
Cutlery sharpener. L. A. Hoek. 2,638,720,
Cyanamide, Preparation of. J. S. Mackay Oct. 20.
Cyanide ion in production of vitamin B_{12}. Daniel and H. B. Woodruff. 2,650,896, Se
Cyanine dye and making same. J. H. Dessau Insalaco. 2,653,152, Sept. 22.
Cyanine dye salts. W. H. Vinton. 2,647,11
Cyanine dyes. W. H. Vinton. 2,647,115, Jul
Cyanoalkyl substituted amine sulfides. M. 2,649,470, Aug. 18.
Cycle control mechanism, Repeat. C. 2,637,431, May 5.
Cycle control system, Hydraulic press. L. 2,639,585, May 26.
Cyclic adsorption apparatus, Fixed bed. F 2,635,707, Apr. 21.
Cyclic adsorption process. E. B. Miller Mar. 3.
Cyclic fluorocarbon ethers. E. A. Kauck and 2,644,823, July 7.
Cyclic process for treating aluminous ores. nedy. 2,648,595, Aug. 11.
Cyclic switching apparatus. R. Mercer. 2, 30.
Cyclical process and apparatus for tenderiz S. Sperti. 2,650,882, Sept. 1.
Cycling system, Fluid. E. L. Gaines. 2,631,
Cyclized rubber, Manufacture of. G. J. 2,661,340, Dec. 1.
Cycloalkyl esters of basically substituted isoc acids and their salts. J. W. Cusic. 2,66
Cyclohexanols. J. A. Hogg, J. Korman, W. and A. H. Nathan. 2,656,385, Oct. 20.

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Curtain support. E. L. Potter. 2,652,155, Sept. 15.
Curtain supporting device. R. J. Lundkvist. 2,654,486, Oct. 6.
Curve follower. A. L. Holcomb. 2,663,857, Dec. 22.
Curve pen adapter. G. Lory. 2,639,506, May 26.
Curve scriber. V. Debs. 2,650,429, Sept 1.
Curved platen printing press. J. F. Jirousek. 2,639,667, May 26.
Curved side plate hydraulic press. J. A. Muller. 2,654,310, Oct. 6.
Curving a flat molded plastic printing plate. H. M. Richardson and W. Baumrucker, Jr. 2,647,284, Aug. 4.
Curving cellulose collar blanks by differential shrinking with chemical shrinking agents. E. A. Wood. 2,647,036, July 28.
Cushion. O. A. Berman. 2,638,156, May. 12.
Cushion and manufacturing the same. L. A. Pfankuch. 2,649,900, Aug. 25.
Cushion assembly for automotive vehicles, Safety. J. W. Hetrick. 2,649,311, Aug. 18.
Cushion assembly, Spring. A. J. Quinn. 2,641,778, June 16.
Cushion for vehicles and furniture, Floating motion. J. M. Dorton. 2,644,509, July 7.
Cushion having the load supporting portion reinforced by fabric, Spring. B. C. Gould. 2,655,204, Oct. 13.
Cushion lining for dentures. S. J. Hetzel. 2,645,012, July 14.
Cushion or the like. O. A. Berman. 2,659,418, Nov. 17.
Cushion pad. L. Davis. 2,626,394, Jan. 27.
Cushion, Pneumatic. J. T. Young. 2,634,799, Apr. 14.
Cushion structure for motor vehicles, Spring. W. A. Clark. 2,634,800, Apr. 14.
Cushion support assembly. A. J. Belisle. 2,642,931, June 23.
Cushion unit, Spring. M. J. Rymland. 2,630,586, Mar. 10.
Cushion utilizing side-loaded helical springs, Resilient. A. R. Schulze. 2,655,370, Oct. 13.
Cushioned eyeglass case. R. Wolf. 2,650,700, Sept. 1.
Cushioning appliance, Foot. C. F. Crawford. 2,633,129, Mar. 31.
Cushioning device. A. E. Forsyth. 2,627,077, Feb. 3.
Cushioning device. D. Willison. 2,656,182, Oct. 20.
Cushioning device, Resilient. L. S. Wilbur. 2,661,942–3, Dec. 8.
Cushioning means for dump rakes. M. T. Sjerslee. 2,663,135, Dec. 22.
Cushioning mechanism. H. L. Spence and D. Willison. 2,644,684, July 7.
Cushioning mechanism. G. F. Vaia and G. F. Couch. 2,650,087, Aug. 25.
Cushioning mechanism for railway vehicles. D. Willison. 2,640,602, June 2.
Cushioning mechanism for railway vehicles. D. Willison and H. L. Spence. 2,640,603, June 2.
Cushioning member for artificial dentures. F. E. Avery. 2,663,933, Dec. 29.
Cut film holder light trap. L. I. Smith and R. Engle. 2,635,515, Apr. 21.
Cutoff for hydropneumatic tanks, Low-pressure. J. A. Dodd. 2,655,931, Oct. 20.
Cutoff machine. R. C. Kenyon. 2,624,981, Jan. 13.
Cutoff mechanism for marking machines, Selectively operable. F. C. Geller. 2,664,159, Dec. 29.
Cutout inspection device. G. M. Schiedel. 2,648,817, Aug. 11.
Cut point determination in pipe-line batching. W. A. Bruce. 2,654,067, Sept. 29.
Cutter: *See*—
Aitchbone cutter.
Ampoule cutter.
Asparagus fern cutter.
Automatic paraffin cutter.
Bolt cutter.
Brick cutter.
Cable armor cutter.
Cable insulation cutter.
Carton cutter.
Cheese curd cutter.
Cheese cutter.
Detachable root cutter.
Disk type potato vine cutter.
Dough cutter.
Doughnut cutter.
Electric hedge cutter.
Ensilage cutter.
Flexible conduit cutter.
Forage cutter.
Gear cutter.
Glass cutter.
Glass tube cutter.
Grass edge cutter.
Hair cutter.
Heavy duty tree cutter.
Hydraulically operated paper cutter.
Inside pipe cutter.
Line stopper shell cutter.
Linoleum cutter.
Milling cutter.
Motor operated cutter.
Panel cutter.

Cutter: *See*—Continued.
Pipe cutter.
Power-driven stalk cutter.
Rotary cutter.
Rotary flanged disk weed cutter.
Seal cutter.
Self-centering cutter.
Self-supporting automatically operable tube cutter.
Shear cutter.
Sod cutter.
Stalk cutter.
Staple fiber cutter.
Straightedge and paper cutter.
Tape cutter.
Temple thread cutter.
Thread cutter.
Vine cutter.
Weed cutter.
Cutter and breaker bar for lawn mowers. L. N. and A. Smith. 2,642,711, June 23.
Cutter and loader, Mechanical sod. A. B. Lancaster. 2,663,242, Dec. 22.
Cutter bar and mower guard for mowers. V. O. Hauswirth. 2,637,158, May 5.
Cutter bar for lawn mowers, Adjustable. F. W. Jatunn. 2,651,904, Sept. 15.
Cutter bit. J. D. King. 2,645,471, July 14.
Cutter bit and holder therefor. H. M. Stephens. 2,647,737, Aug. 4.
Cutter bit with fluid flushed bearings, Roller. H. B. Woods. 2,661,932, Dec. 8.
Cutter blade support for lawn mowers. C. K. Cole. 2,624,169, Jan. 6.
Cutter blades for carpenters' planes, Removable. P. Lausch. 2,638,947, May 19.
Cutter chain. L. G. Rollins. 2,661,040, Dec. 8.
Cutter chain. L. E. Simmons. 2,644,679–80, July 7.
Cutter chain. L. E. Simmons. 2,653,808, Sept. 29.
Cutter device for mining machines, Rotary. G. C. McGowan. 2,643,106, June 23.
Cutter device for pipe cleaners, Rotary. W. S. Lang and L. R. Robinson. 2,641,010, June 9.
Cutter for asphalt tiles and the like. C. A. Regele. 2,626,664, Jan. 27.
Cutter for drills, Rotary. R. D. McMahon. 2,651,501, Sept. 8.
Cutter for film take-up magazines. D. W. McArthur. 2,663,514, Dec. 22.
Cutter for multilayer cables, Peripheral. D. K. Davis and R. K. Rauh. 2,660,783, Dec. 1.
Cutter for paper mill drying rollers, Paper. J. C. Nix, III. 2,629,182, Feb. 24.
Cutter for producing gears. E. Wildhaber. 2,648,894, Aug. 18.
Cutter for producing radish rosettes. F. Torres. 2,625,972, Jan. 20.
Cutter for producing staple fiber and flock. D. B. Wicker. 2,631,668, Mar. 17.
Cutter guide, Transparent. J. and H. McMillan. 2,628,424, Feb. 17.
Cutter having a retractable guard. Carton. A. H. Anderson. 2,644,230, July 7.
Cutterhead guard for vertical spindle shapers. W. E. Brown. 2,642,104, June 16.
Cutter holder. M. H. Steinke. 2,624,116, Jan. 6.
Cutter holder for stone dressers and the like. P. Weynand. 2,627,262, Feb. 3.
Cutter mechanism for mowing machines. M. K. Benson. 2,640,309, June 2.
Cutter spacing checker. G. H. Hedman. 2,637,908, May 12.
Cutter spindle and feed mechanism therefor. R. J. Stuart and A. D. Gunderson. 2,658,423, Nov. 10.
Cutter with variable spacing means, Rotary. O. Muller. 2,637,395, May 5.
Cutting adhesive material and mounting the same upon a card, Apparatus and method of. R. Connor and H. E. Hooe. 2,627,212, Feb. 3.
Cutting and assembling machine, Bandage. H. S. Fisher and G. P. Beck. 2,642,116, June 16.
Cutting and gripping mechanism for printing machines. W. F. Huck. 2,659,437, Nov. 17.
Cutting and splicing apparatus. W. D. Dain. 2,661,046, Dec. 1.
Cutting and welding apparatus, Universal gas. V. B. Garrison. 2,645,475, July 14.
Cutting apparatus for well conduits. F. E. O'Neill. 2,624,409, Jan. 6.
Cutting attachment for bulldozers, Tree and brush. James E. Kissner, E. L. Green, and John E. Kissner. 2,633,164, Mar. 31.
Cutting attachment for tractors, Grass. M. Crump. 2,653,437, Sept. 29.
Cutting bar for mowing machines. R. Carter. 2,627,156, Feb. 3.
Cutting blade for ditching and cable laying machines. F. B. Ryan. 2,649,747, Aug. 25.
Cutting block. J. W. Cole and L. E. McElroy. 2,649,911, Aug. 25.
Cutting device. K. R. Runde. 2,645,848, July 21.
Cutting device. H. E. Stout. 2,636,245, Apr. 28.
Cutting device of the miss-cut type. K. W. Hallden. 2,642,937, June 23.
Cutting device, Thong. W. Hinsche. 2,648,905, Aug. 18.
Cutting die mounting and ejector. J. E. McClellan. 2,643,715, June 30.
Cutting duct sections. C. F. Engel. 2,648,381, Aug. 11.
Cutting element for compositing machines or hay comminuting machines. P. W. Perry. 2,644,501, July 7.
Cutting fluid and coolant. E. Laug. 2,625,509, Jan. 13.
Cutting implement. J. W. Albritton. 2,656,601, Oct. 27.
Cutting machine. B. B. Junkunc. 2,660,241, Nov. 24.
Cutting machine, Baigle. J. M. Zeprun. 2,633,813, Apr. 7.
Cutting machine, Bias. S. P. Parker and R. L. Thompson. 2,644,522, July 7.
Cutting machine, Compound bore. F. C. Granade and G. H. A. Ruby. 2,645,162, July 14.
Cutting machine drive means. W. P. Gallagher. 2,662,413, Dec. 15.
Cutting machine for extruded clay products. P. E. Kopp. 2,641,042, June 9.
Cutting machine for plastic material. J. J. Gano. 2,641,041, June 9.
Cutting machine for plastic sheeting. F. E. Anderson. 2,655,213, Oct. 13.
Cutting machine for synthetic silk and rayon yarns. G. C. Regalia. 2,642,135, June 16.
Cutting machine, Hydraulic. L. D. Barley. 2,649,153, Aug. 18.
Cutting machine, Length. H. Nelson. 2,644,520, July 7.
Cutting machine, Rotary. P. G. Csigi. 2,654,430, Oct. 6.
Cutting machine, Swatch. R. C. Maxant. 2,653,663, Sept. 29.
Cutting machine, Tape. M. S. Mansson. 2,659,435, Nov. 17.
Cutting materials, Method and apparatus for. R. R. Allen. 2,630,173, Mar. 3.
Cutting materials, Method of and apparatus for. A. G. Bodine, Jr. Re. 23,657, May 19.
Cutting means for parquetry block machines. C. E. Tibbals. 2,630,847, Mar. 10.
Cutting mechanism for harvesters, Helical. S. F. Pasturczak. 2,654,208, Oct. 6.
Cutting oil composition. H. A. Ambrose and O. L. Brandes. 2,658,870, Nov. 10.
Cutting paper and like webs, Method of and apparatus for. A. Ashman. 2,651,364, Sept. 8.
Cutting saw chain. N. C. Bye. 2,652,076, Sept. 15.
Cutting shoe for bagmaking machines. D. Stange. 2,640,540, June 2.
Cutting stencils. I. L. Herrin. 2,630,755, Mar. 10.
Cutting surface for wire. S. W. Sam. 2,633,681, Apr. 7.
Cutting synthetic fiber fabrics, Method and apparatus for. E. F. Vera. 2,628,412, Feb. 17.
Cutting teeth in pinking shears. A. and R. J. Wertepny. 2,643,584, June 30.
Cutting the wrapper from rolls of newsprint and the like, Means for. W. L. Oelkrue. 2,643,716, June 30.
Cutting tip of composite construction. E. H. Tjomsland and K. D. Isecke. 2,652,105, Sept. 15.
Cutting tool. G. E. Franck. 2,629,926, Mar. 3.
Cutting tool. E. C. Howell. 2,637,529, May 5.
Cutting tool. G. W. Jackman. 2,641,047, June 9.
Cutting tool. A. L. Thompson, K. T. Nystrom, J. H. Mc Quiddy, and R. B. Stanley. 2,645,003, July 14.
Cutting tool. W. Vreeland. 2,641,048, June 9.
Cutting tool and method of making. F. L. Scott, A. E. Wisler, and H. B. Woods. 2,660,405, Nov. 24.
Cutting-tool for sheet material. R. H. Hartwell. 2,629,927, Mar. 3.
Cutting torch tip, including high and low velocity pre heat passages. F. J. Eichelman. 2,655,206, Oct. 13
Cutting tubing, Method of and means for. S. W. Potect 2,630,174, Mar. 3.
Cutting web into strips. J. E. Socke. 2,648,380, Aug. 11
Cuttings removing mechanism. J. A. Hayward. 2,640,690 June 2.
Cutlery sharpener. L. A. Hoek. 2,638,720, May 19.
Cyanamide, Preparation of. J. S. Mackay. 2,656,253 Oct. 20.
Cyanide ion in production of vitamin B_{12}. L. E. Mc Daniel and H. B. Woodruff. 2,650,896, Sept. 1.
Cyanine dye and making same. J. H. Dessauer and M. A Insalaco. 2,653,152, Sept. 22.
Cyanine dye salts. W. H. Vinton. 2,647,116, July 28.
Cyanine dyes. W. H. Vinton. 2,647,115, July 28.
Cyanoalkyl substituted amine sulfides. M. W. Harman 2,649,470, Aug. 18.
Cycle control mechanism, Repeat. C. F. Harri 2,637,431, May 5.
Cycle control system, Hydraulic press. L. A. Camerot 2,639,585, May 26.
Cyclic adsorption apparatus, Fixed bed. F. E. Gilmor 2,635,707, Apr. 21.
Cyclic adsorption process. E. B. Miller. 2,630,19 Mar. 3.
Cyclic fluorocarbon ethers. E. A. Kauck and J. H. Simon 2,644,823, July 7.
Cyclic process for treating aluminous ores. A. M. Ke nedy. 2,648,595, Aug. 11.
Cyclic switching apparatus. R. Mercer. 2,644,041, Ju 30.
Cyclical process and apparatus for tenderizing meat. S. Sperti. 2,650,882, Sept. 1.
Cycling system, Fluid. E. L. Gaines. 2,631,610, Mar. 1
Cyclized rubber, Manufacture of. G. J. van Veerse 2,661,340, Dec. 1.
Cycloalkyl esters of basically substituted isocyclylcarbam acids and their salts. J. W. Cusic. 2,662,092, Dec.
Cyclohexanols. J. A. Hogg, J. Korman, W. B. Reid, J and A. H. Nathan. 2,656,385, Oct. 20.

Cyclohexanone oxime, Production of. C. Grundmann. 2,638,482, May 12.
Cyclohexene-4-carboxylic acids, Preparation of. J. E. Jansen and F. X. Werber. 2,653,167, Sept. 22.
Cyclohexene, Preparation of. G. M. Whitman. 2,662,102, Dec. 8.
Cyclohexenyl ethyl amine and manufacture thereof. J. Hellerbach. 2,634,292, Apr. 7.
Cyclometer counter. A. Holzner. 2,633,298, Mar. 31.
Cyclometer indicator mechanism for twenty-four hour cyclometer clocks. A. Holzner. 2,636,339, Apr. 28.
Cyclooctatriene, Preparation of. L. E. Craig. 2,644,848, July 7.
Cyclooctatriene, Preparation of. L. E. Craig and I. J. Ressa. 2,644,849, July 7.
Cyclooctadiene, Production of. J. C. Hillyer and J. V. Smith. 2,631,173, Mar. 10.
Cyclopentanoperhydrophenanthrene derivatives, Preparing. F. Neumann, J. Pataki, and S. Kaufmann. 2,656,363, Oct. 20.
Cyclopolymethylenic ketones, Preparation of. M. Stoll. 2,656,390, Oct. 20.
Cyclotron, Variable frequency. W. W. Salisbury. 2,659,000, Nov. 10.
Cylinder adjustment and locking means, Printing. H. E. Peyrebrune. 2,653,538, Sept. 29.
Cylinder and piston construction. H. C. Schindler. 2,647,809, Aug. 4.
Cylinder and piston type coal breaker. J. F. Joy. 2,634,114, Apr. 7.
Cylinder assembly, Telescopic. R. H. Ptak. 2,634,587, Apr. 14.
Cylinder bearing and packing. H. Kirkham. 2,639,198, May 19.
Cylinder blade adjusting mechanism, Folding. C. A. Harless. 2,624,572, Jan. 6.
Cylinder block for internal-combustion engine cooling. E. C. Kiekhaefer. 2,627,256, Feb. 3.
Cylinder bore taper gauge. G. E. Smith. 2,649,782, Aug. 25.
Cylinder boss assembly. L. O. King. 2,664,222, Dec. 29.
Cylinder construction. V. C. Sterrett. 2,645,513, July 14.
Cylinder construction, Fish-scaling. N. Kaplan. 2,653,345, Sept. 29.
Cylinder control with rate response, Air actuated power. E. C. Burdick. 2,637,301, May 5.
Cylinder-crankcase assembly. C. F. Bachle. 2,628,596, Feb. 17.
Cylinder, Cutoff. H. A. Doppleb. 2,632,510, Mar. 24.
Cylinder, Dobby pattern chain. W. E. Lundgren. 2,627,879, Feb. 10.
Cylinder, Feeding. L. E. Oberholtz and G. Allen. 2,644,292 July 7.
Cylinder feeding device for progressive washing machines. M. L. Neher. 2,655,021, Oct. 13.
Cylinder for hydraulic braking systems, Master. W. Stelzer. 2,649,692, Aug. 25.
Cylinder for intaglio printing presses, Impression. W. F. Huck. 2,651,256, Sept. 8.
Cylinder gauge. A. T. Olson. 2,642,665, June 23.
Cylinder hammer and control therefor, Pneumatic. W. V. Cornett. 2,651,292, Sept. 8.
Cylinder head. M. W. Garland. 2,626,102, Jan. 20.
Cylinder head for diesel engines. R. Kloss. 2,658,493, Nov. 10.
Cylinder head for internal-combustion engines, Cooled. E. Stump. 2,647,497, Aug. 4.
Cylinder liner. K. C. Alward. 2,635,021, Apr. 14.
Cylinder liner and sleeve assembly for reciprocating pumps. A. L. Leman. 2,640,434, June 2.
Cylinder lock. L. E. Deutsch. 2,629,247, Feb. 24.
Cylinder lock. B. E. Mendelsohn. 2,629,249, Feb. 24.
Cylinder mold for papermaking machines. G. A. Engert. 2,641,972, June 16.
Cylinder, Printing. C. W. Chase and K. R. Manning. 2,639,668, May 26.
Cylinder ridge reamer, Automatic. H. R. Billeter. 2,633,038, Mar. 31.
Cylinder, Servo. W. L. Sheppard. 2,633,712, Apr. 7.
Cylinder surfacing tool. H. R. Billeter. 2,637,953, May 12.
Cylinder unit for hydraulic systems, Compound master. C. E. Deardorff. 2,642,720, June 23.
Cylinder valve. A. G. Johnson and T. A. St. Clair. 2,659,565, Nov. 17.
Cylinder with compensating valve, Master. W. J. Oakley. 2,657,537, Nov. 3.
Cylinder with fluid-volume compensating valve in piston. Master. A. E. Miller. 2,638,748, May 19.
Cylinder with toggle lock, Differential. G. B. Marsden. 2,659,207, Nov. 17.
Cylindrical container. A. Elmendorf. 2,630,934, Mar. 10.
Cylindroid tug. W. Whipple. 2,655,890, Oct. 20.
DDT, Manufacture of. L. P. Curtin. 2,654,790, Oct. 6.
DDT, Production of. C. Hayward. 2,656,396, Oct. 20.
Dairy container sediment trap. P. Kolbet. 2,661,844, Dec. 8.
Dairy feeder. C. E. Iddings. 2,652,026, Sept. 15.
Dairy system. H. C. Horneman, R. V. Hussong, S. N. Quam, and B. W. Hammer. 2,630,060, Mar. 3.
Dam for arresting bleeding in the internal body cavities, Inflatable. R. K. Pollock and J. M. Gapstur. 2,647,515, Aug. 4.
Dam form. W. H. Schutte. 2,649,643, Aug. 25.
Dam, Portable. A. Blevins, Jr. 2,632,582, Mar. 24.
Damage-resistant key holder. E. J. Protsman. 2,631,449, Mar. 17.
Dampener and pressure regulator, Fuel pulsation. J. B. Witt. 2,633,146, Mar. 31.
Dampener for differential pressure indicators. B. Jones. 2,632,474, Mar. 24.
Dampener, Gas stream pulsation. F. M. Stephens. 2,631,614, Mar. 17.
Dampener, Shimmy. W. H. Clark and T. H. Mead. 2,651,385, Sept. 8.
Dampener, Vibration. J. F. Young. 2,647,591, Aug. 4.
Dampening roll for lithographic presses. H. H. Colehower, Jr. 2,649,649, Aug. 25.
Damper. G. A. Pepie, Jr. 2,660,946, Dec. 1.
Damper, Air conditioner evacuation. A. R. Harris. 2,629,235, Feb. 24.
Damper, Aircraft landing wheel shimmy. B. E. O'Connor. 2,661,915, Dec. 8.
Damper, Aircraft landing wheel shimmy. B. E. O'Connor and B. Fuente. 2,661,917, Dec. 8.
Damper and heater control system. L. P. Brown, Jr. 2,633,299, Mar. 31.
Damper assembly. E. R. Twede. 2,664,041, Dec. 29.
Damper control apparatus, Furnace. W. J. McGoldrick. 2,633,300, Mar. 31.
Damper control, Furnace. D. V. Hammond, T. R. Shaw, and G. O. Miller. 2,638,892, May 19.
Damper control means for air conditioning units. C. L. Osterkorn. 2,660,945, Dec. 1.
Damper for automatic toaster carriages, Inertia. W. R. Weeks. 2,653,533, Sept. 29.
Damper for furnace flues. W. P. Osgood. 2,661,905, Dec. 5.
Damper for long shafts, Vibration. C. M. Seibel. 2,652,700, Sept. 22.
Damper for poultry house ventilators. R. L. Hull. 2,638,836, May 19.
Damper, Horizontally movable. C. Hennig. 2,646,792, July 28.
Damper, Mechanical oscillation. R. W. Cole. 2,655,049, Oct. 13.
Damper, Refractory. F. C. Holbrook. 2,659,361, Nov. 17.
Damper regulator. E. R. Rack, R. J. Duncan, and J. T. Dulak. 2,630,272, Mar. 3.
Damper, Thermostatic safety by-pass. H. G. Hill. 2,636,683, Apr. 28.
Damper, Vibration. M. M. Holben and C. S. Jewett. 2,631,901, Mar. 17.
Damper, Vibration. H. W. Welsh. 2,635,483, Apr. 21.
Damping device for railway car trucks. C. L. Orr. 2,626,572, Jan. 27.
Damping device, Impeller movement. R. Hafner. 2,640,553, June 2.
Damping electromechanical vibrator reeds, Means for. J. B. Dale. 2,629,033, Feb. 17.
Damping means for tone generators. F. H. Slaymaker and W. F. Meeker. 2,655,070, Oct. 13.
Damping means for yarn tension compensating devices. E. J. Heizer and J. Warwick. 2,661,913, Dec. 8.
Damping system for dirigible craft. P. J. Chenery. 2,632,142, Mar. 17.
Damping unit for meter disks. H. B. Holmes and R. A. Road. 2,658,181, Nov. 3.
Danger sign. D. Hays. 2,635,375, Apr. 21.
Dark trace cathode-ray tube. A. E. Beckers. 2,661,437, Dec. 1.
Darning attachment. H. H. Russell. 2,633,093, Mar. 31.
Darning attachment for sewing machines. R. E. Johnson. 2,642,022, June 16.
Dash liner clip. O. J. Poupitch. 2,650,516, Sept. 1.
Dash panel. J. W. Greig. 2,651,986, Sept 15.
Dashpot for carburetor throttles, Electrically controlled. J. F. Puro. 2,639,778, May 26.
Data encoding system. E. A. Johnson. 2,630,562, Mar. 3.
Data storage and reproducing apparatus. D. H. Gridley and A. J. Stecca. 2,656,524, Oct. 20.
Data transmission system. A. B. Jacobsen. 2,643,333, June 23.
Data transmission system for digital calculating machines or the like. J. F. Coales, W. S. Elliott, N. D. Hill, S. E. Hersom, and J. Tindale. 2,659,072, Nov. 10.
Davenport. F. Goodman. 2,636,186, Apr. 28.
Davenport, Bed. M. Fox. 2,634,428, Apr. 14.
Davit. H. E. Weinstein. 2,650,378, Sept. 1.
Davit, Boat. K. L. Cappel. 2,647,269, Aug. 4.
Davit, Ship's. H. G. Taylor. 2,659,093, Nov. 17.
Dead bolt latch. I. J. Fletcher. 2,656,205, Oct. 20.
Deadbox, Self-cleaning. G. W. Caylor. 2,634,842, Apr. 14.
Dead-end strain carrier. D. C. Hubbard. 2,654,796, Oct. 6.
Dead latching door lock. F. Netschert. 2,645,512, July 14.
Deaerating a suspension of cellulosic fibers. C. L. Clark, C. Vicario, C. J. Lyons, J. A. Smith and W. W. Hickey. 2,642,950, June 23.
Deaerating and deoiling citrus juices. M. J. Kermer. 2,631,103, Mar. 10.
Deaerating and evaporating unit. G. A. Worn. 2,663,286, Dec. 22.

Deaerating apparatus. G. H. Morehouse. 2,660,259, Nov. 24.
Deaerator, Condenser. G. W. Evans, Jr., and W. E. Brockel. 2,663,547, Dec. 22.
Deaerator for oil or the like. C. J. Glanzer. 2,639,779, May 26.
Debarker and chipper, Log. J. H. Pearce. 2,642,904, June 23.
Debarker and sprayer. C. F. Dukes and L. Godwin. 2,645,058, July 14.
Debarker having revolving flails, Log. W. P. McComb, Jr. 2,655,961, Oct. 20.
Deburring and chamfering tool. G. H. Pickering and A. J. Kuffner. 2,657,597, Nov. 3.
Deburring and swaging mandrel for interior wall of tubing. R. C. Ofenstein and S. L. Willis. 2,645,164, July 14.
Deburring, chamfering, and countersinking tool. A. and J. W. Fried. 2,663,203, Dec. 22.
Deburring machine, Disk edge. F. C. Wallace. 2,650,458, Sept. 1.
Decalcomania. V. E. Chartrand and P. E. James. 2,641,562, June 9.
Decalcomania for metal transfers. D. D. Swift and J. J. Kohler. 2,625,496, Jan. 13.
Decanter, Bubble tray water. H. B. Manley. 2,652,238, Sept. 15.
Decarbonizing a burner pot. W. C. Steele. 2,655,455, Oct. 13.
Deceleration device, Controlled. J. K. Northrop, E. C. Denzin, and D. B. Smith. 2,639,786, May 26.
Decelerator, Crash. L. T. Reynolds. 2,639,913, May 26.
Decelerometer, Recording. H. Carleton. 2,641,457, June 9.
Decimal indicator and marking guide. C. Buehler. 2,633,967, Apr. 7.
Decimal point and comma printing mechanism. H. S. Beattie, R. E. Page, and E. J. Rabenda. 2,627,806, Feb. 10.
Decimal point marker. G. C. Ellerbeck. 2,628,031, Feb. 10.
Decimal to binary conversion machine. A. W. Bowyer and J. R. Cartwright. 2,647,689, Aug. 4.
Deck chair. J. H. Van Wyck. 2,626,653, Jan. 27.
Deck latch. E. D. Dall. 2,658,778, Nov. 10.
Declipping machine, Ammunition. F. E. Costello. 2,659,263, Nov. 17.
Declutching mechanism for clothes wringers, Emergency. S. I. Gabrielson. 2,639,602, May 26.
Decobalting operation in aldehyde synthesis. J. K. Mertzweiller. 2,638,485, May 12.
Decoder, Delay line. P. F. M. Gloess and L. J. Libois. 2,641,698, June 9.
Decoder for pulse code modulation communication systems. E. Peterson. 2,650,299, Aug. 25.
Decoding apparatus for television receivers. A. Cotsworth, III, R. O. Gray, and P. E. Reeves. 2,632,799, Mar. 24.
Decoding circuit. B. H. Sinclair. 2,636,162, Apr. 21.
Decoding information translator. R. V. Benaglio and R. Nymberg. 2,625,600, Jan. 13.
Decoding mechanism, Universal. J. A. Zentgraf. 2,633,491, Mar. 31.
Decoding of angle voltage triggers in composite video systems. T. J. Johnson. 2,634,368, Apr. 7.
Decoding system, Binary. A. Abate. 2,658,139, Nov. 3.
Decoding system, Data. E. A. Johnson. 2,630,552, Mar. 3.
Decoding system, Pulse signal. R. E. Baker and F. D. Covely. 2,643,368, June 23.
Decoking of pebbles in pebble heater cracking of hydrocarbons. M. O. Kilpatrick. 2,663,678, Dec. 22.
Decolorization of synthetic folic acid. D. I. Welsblat and A. R. Hanze. 2,626,947, Jan. 27.
Decolorizing oil, Process and apparatus for. S. Arthurs. 2,641,574, June 9.
Decomposition of aralkyl alpha-hydroperoxides. G. G. Joris. 2,626,281, Jan. 20.
Decomposition of copper scrap and alloys with copper ammonium carbonate solutions. P. J. McGauley and P. J. Masur. 2,647,829, Aug. 4.
Decomposition of hydrocarbons. J. H. Shapleigh. 2,628,890, Feb. 17.
Decomposition of urea and thiourea adducts. C. S. Lynch. 2,640,051, May 26.
Decontaminating hot wet gases or steam. F. L. Schneider. 2,633,931, Apr. 7.
Decontamination of explosives contaminated materials. L. McDonald. 2,647,084, July 28.
Decorating an uncured rubber article. A. B. Poschel. 2,646,379, July 21.
Decorating candles and the product thereof. G. A. Kramer. 2,636,370, Apr. 28.
Decorating plastics. H. O. Waag and S. R. Prance. 2,663,911, Dec. 29.
Decorating screen wire, Means for. R. Burdick. 2,634,789, Apr. 14.
Decorating strip with heat activated adhesive. S. M. Terry. 2,635,974, Apr. 21.
Decoration for Christmas trees. J. L. Woolven. 2,644,260, July 7.
Decoration for Christmas trees. J. L. Woolven. 2,650,874, Sept. 1.
Decorative attachment for spectacles. W. E. May. 2,627,782, Feb. 10.
Decorative streamer. R. G. Owen. 2,663,106, Dec. 22.
Decorative tree. L. C. Stratmann, Jr. 2,651,130, Sept. 8.
Decorative wall surfacing material. G. H. Mead. 2,662,064, Dec. 8.
Decorticator. W. E. Wright. 2,654,915, Oct. 13.
Decoy. F. Stossel. 2,639,534, May 26.
Decoy and actuating means therefor, Animated. V. V. and J. V. Dixon. 2,663,108, Dec. 22.
Decoy, Collapsible. N. P. Petersen. 2,662,327, Dec. 15.
Decreasing dross formation in the melting of zinc. M. D. Knechtel. 2,636,817, Apr. 28.
Decreasing egg white whipping time. W. E. Lloyd. 2,648,606, Aug. 11.
Decreasing the porosity of calcareous and siliceous materials. C. E. Goulding, Jr. 2,650,173, Aug. 25.
Deep-drawing of sheet metal. C. J. Rhodes. 2,664,061, Dec. 29.
Deep drilling attachment. W. S. Bunnell. 2,645,952, July 21.
Deep drilling machine. R. G. Cudini. 2,625,060, Jan. 13.
Deep well fishing tool. N. W. Alford. 2,638,373, May 12.
Deep well fishing tool. H. Cook. 2,660,408, Nov. 24.
Deep well pump. H. E. Rose, F. M. MacDougall, and R. W. Schoen. 2,629,329, Feb. 24.
Deesterification of aromatic compounds. J. D. Head. 2,639,298, May 19.
Defeathering apparatus, Poultry. C. F. Hunt. 2,635,284, Apr. 21.
Defeathering device. G. F. McDougall. 2,627,627, Feb. 10.
Defibering machine, Coconut husk. M. Floro. 2,630,602, Mar. 10.
Defibrating and grinding paper pulp or other fibrous material, Means for. C. Laviste. 2,660,934, Dec. 1.
Defining plastic masses, Method of and apparatus for. C. W. Vogt. 2,642,620, June 23.
Definite position release clutch. J. I. Nasmith and F. K. Daniels. 2,625,245, Jan. 13.
Deflecting, guiding, and sizing means for loaf molding mechanisms. J. E. Mohr and M. A. Sticelber. 2,655,875, Oct. 20.
Deflecting tool. G. E. Brown. 2,643,859, June 30.
Deflector, Combination bug and air. F. Berry. 2,638,376, May 12.
Deflector for ventilating grills. G. K. J. Broberg. 2,655,093, Oct. 13.
Deflector plate. J. C. McVicker. 2,644,716, July 7.
Deflector vane structure for spray nozzles. S. P. Kinney. 2,647,799, Aug. 4.
Defluidization and fixed-bed coking of a preheated fluidized coal. H. R. Horner. 2,658,862, Nov. 10.
Defocusing of electrons. G. W. Hewitt. 2,636,999, Apr. 28.
Defoliant composition. M. Kosmin. 2,637,646, May 5.
Defroster for refrigerator evaporators. D. J. Lanker. 2,661,602, Dec. 8.
Defrosting apparatus, Refrigerator. M. G. Shoemaker. 2,631,441, Mar. 17.
Defrosting arrangement for refrigeration systems. L. L. Lewis. 2,630,685, Mar. 10.
Defrosting arrangement for refrigerators, Electric. L. W. Atchison. 2,645,905, July 21.
Defrosting arrangement for refrigerators, Electrical. L. W. Atchison. 2,637,180, May 5.
Defrosting arrangement in refrigeration system. L. F. La Porte. 2,645,101, July 14.
Defrosting evaporator, Automatic. T. W. Duncan and A. C. Rosencranz. 2,654,226, Oct. 6.
Defrosting gas separation systems. C. J. Schilling. 2,663,168, Dec. 22.
Defrosting means for refrigerating systems, Hot gas. V. W. Smith. 2,632,303, Mar. 24.
Defrosting means, Refrigerator. L. F. La Porte. 2,641,908, June 16.
Defrosting refrigerators, Means for. A. G. Schramm. 2,639,590, May 26.
Defrosting system. F. W. Powers and A. Lundin. 2,628,479, Feb. 17.
Defrosting system and assembly, Automatic. C. Melcher. 2,631,442, Mar. 17.
Defrosting system for heat exchange devices. L. C. Pellegrini. 2,652,697, Sept. 22.
Defrosting system for refrigeration machines, Automatic. M. S. Sutton. 2,662,380, Dec. 15.
Defrosting unit, Car. J. Berger. 2,640,231, June 2.
Defrosting unit, Liquid. F. J. Schordine. 2,635,433, Apr. 21.
Defrosting unit, Oil. I. C. White, Jr. 2,632,304, Mar. 24.
Degeneratively stabilized amplifier circuit. G. L. Usselman. 2,658,957, Nov. 10.
Degreasing apparatus. H. H. Jones and R. C. White. 2,662,851, Dec. 15.
Degreasing machine or apparatus. S. A. Harris, 2,651,607, Sept. 8.
Dehalogenating halogenosilanes. J. J. Duane. 2,646,441, July 21.
Dehalogenation of fluorine compounds. L. B. Smith and C. B. Miller. 2,635,121, Apr. 14.
Dehalogenation of organic compounds. J. C. Hillyer and C. H. Ice. 2,647,934, Aug. 4.
Dehorning device. W. L. Kuhns. 2,643,454, June 30.
Dehorning device. A. L. Otis. 2,645,011, July 14.
Dehorning tool. V. L. Fender. 2,659,142, Nov. 17.

Dehumidifying apparatus. C. A. Chamberlain. 2,633,928, Apr. 7.
Dehydration by freezing. E. P. Wenzelberger. 2,657,555, Nov. 3.
Dehydration, Method and apparatus for. H. A. Toulmin, Jr. 2,628,485, Feb. 17.
Dehydration, Method and apparatus for. H. A. Toulmin, Jr. 2,657,551, Nov. 3.
Dehydration of alcohols to olefins. H. W. Cutcher and C. A. Ray. 2,636,057, Apr. 21.
Dehydration of fatty materials. C. Greenfield. 2,651,647, Sept. 8.
Dehydration of fluids. C. J. Maki. 2,629,460, Feb. 24.
Dehydration of pineapple juice. E. P. Wenzelberger. 2,647,059, July 28.
Dehydrator. O. C. Norton. 2,642,951, June 23.
Dehydrator cartridge. R. L. Dolan. 2,656,929, Oct. 27.
Dehydrator, Mobile. H. C. French. 2,651,269, Sept. 8.
Dehydrator, Walnut. J. M. Frantz. 2,645,036, July 14.
Dehydrators, Making. J. D. Baldwin, Jr. and J. E. Szitar. 2,659,128, Nov. 17.
Dehydrobicatechols. O. Gisvold. 2,651,644, Sept. 8.
Dehydrochlorination of polychlorocyclohexanes. D. D. Humphreys. 2,662,924, Dec. 15.
Dehydrocholic acid, Preparation of. R. H. Sifferd. 2,651,642, Sept. 8.
Dehydrofluorination of hydrocarbons. G. T. Leatherman. 2,636,912, Apr. 28.
Dehydrogenation. J. R. Owen. 2,664,451, Dec. 29.
Dehydrogenation catalyst and process. H. C. Chitwood, J. T. Fitzpatrick, G. W. Fowler, and B. T. Freure. 2,640,084, May 26.
Dehydrogenation of a cycloolefinic hydrocarbon containing a geminal carbon atom. H. Pines and V. N. Ipatieff. 2,661,381, Dec. 1.
Dehydrogenation of a gem alkyl arylcyclohexane. V. N. Ipatieff and H. Pines. 2,658,089, Nov. 3.
Dehydrogenation of a naphthenic hydrocarbon containing a geminal carbon atom. H. Pines and V. N. Ipatieff. 2,663,746, Dec. 22.
Dehydrogenation of coumaranes. T. A. Geissman. 2,659,734, Nov. 17.
Dehydrohalogenation of dihalopropionic acid compounds. W. O. Ney, Jr. 2,640,073, May 26.
Deicer, Carburetor. A. A. Hayden. 2,655,141, Oct. 13.
Deicer for electrical transmission lines, Automatic. J. H. Potter. 2,662,156, Dec. 8.
Deicer for jet engines. P. P. Newcomb. 2,645,080, July 14.
Deicer, Windshield wiper. W. J. Cochran. 2,662,154, Dec. 8.
Deicing apparatus. J. K. Mosser. 2,663,993, Dec. 29.
Delay circuit. R. F. Casey. 2,635,185, Apr. 14.
Delay controlled pulse generator. A. C. Munster. 2,650,357, Aug. 25.
Delay line. A. J. Barácket. 2,631,232, Mar. 10.
Delay line, Adjustable. S. J. Johnson. 2,659,053, Nov. 10.
Delay line device. H. N. Beveridge. 2,664,547, Dec. 29.
Delay switch. M. Zuckerman. 2,658,975, Nov. 10.
Delayed-action control for industrial brakes. B. L. Britt. 2,631,266, Mar. 10.
Delayed-action pulsator valve. J. C. Marlow. 2,625,948, Jan. 20.
Delicate goods drier. H. E. Morrison. 2,628,432, Feb. 17.
Delinter, Seed. L. A. Pazandak. 2,644,986, July 14.
Delinting apparatus, Cottonseed. R. L. Jackson. 2,646,268, July 21.
Delivering lime and manure from motor trucks and the like, Means for. H. J. B. Topp. 2,659,608, Nov. 17.
Delivery control mechanism for conveyers. H. J. Ferguson. 2,643,751, June 30.
Delivery for pulverized material. W. J. Sackett. 2,628,724, Feb. 17.
Delivery mechanism for tissue interfolding apparatus. R. N. Sabee. 2,631,846, Mar. 17.
Deliming hides with citric acid fermentation liquor. H. Rudy. 2,639,967, May 26.
Δ^4-17α-hydroxy-3,20-diketo-pregnen-21-als. K. Miescher and J. Schmidlin. 2,664,428, Dec. 29.
Δ^4-pregnenes, Preparing. S. Bernstein and M. D. Heller. 2,646,434, July 21.
$\Delta^9(11)$-pregnenes and process. N. L. Wendler, R. P. Graber, and A. C. Haven, Jr. 2,640,838, June 2.
$\Delta^9(11)$-pregnenes and process. N. L. Wendler and R. P. Graber. 2,640,839, June 2.
$\Delta^{1,2}$-allopregnenes and process. G. Rosenkranz, S. Kaufman, and J. Pataki. 2,659,742, Nov. 17.
Delta-piperidinobutyl diphenylacetate salt of penicillin. H. W. Rhodehamel, Jr. 2,654,743, Oct. 6.
$\Delta^{9,11}$-20-cyano-11-hydroxypregnenes. R. P. Graber and N. L. Wendler. 2,656,368, Oct. 20.
Demagnetizing control system. J. J. Jaeger. 2,632,035, Mar. 17.
Demagnetizer for magnetic recorder-reproducer. W. A. Brastad. 2,657,277, Oct. 27.
Demand regulator. B. B. Holmes. 2,627,866, Feb. 10.
Demarcation of fluids in pipe lines. G. F. Metcalf. 2,631,242, Mar. 10.
Demonstration device. O. L. Holmes. 2,627,678, Feb. 10.
Demonstrational and educational model, Edentulous and partially edentulous. W. Arrow. 2,657,462, Nov. 3.
Demothizing device, Time controlled. M. Abrams. 2,660,828, Dec. 1.
Demountable chain. N. Cordis. 2,631,465, Mar. 17.
Demountable chair. G. J. Basile. 2,628,668, Feb. 17.
Demountable closure. L. D. Cobb. 2,659,617, Nov. 17.
Demountable garment hanger. V. W. Bain. 2,628,751, Feb. 17.
Demountable seal. L. D. Cobb. 2,655,393, Oct. 13.
Dense compositions of asphalt and asbestos, Preparing. J. W. Keith. 2,661,302, Dec. 1.
Dense, hard, abrasion resistant ceramic articles, Making. S. S. Kistler. 2,624,097, Jan. 6.
Densimeter. F. M. Poole, L. C. Paslay, and J. F. Gaumer. 2,635,462, Apr. 21.
Density measuring device. S. J. Smith and T. Weber, Jr. 2,647,395, Aug. 4.
Density meter. A. C. Redfield. 2,644,329, July 7.
Density-responsive apparatus, Pneumatic. D. W. Moore, Jr. 2,635,460, Apr. 21.
Density responsive device. F. C. Mock. 2,662,757, Dec. 15.
Dental articulator. M. Beresin. 2,641,838, June 16.
Dental cavity lining device. L. B. Rubin. 2,654,948, Oct. 13.
Dental cement. J. De Ment. 2,658,832, Nov. 10.
Dental clamp. W. E. Mathison. 2,645,013. July 14.
Dental clamp. H. C. Peterson. 2,651,841, Sept. 15.
Dental cream containing benzalkonium halide and sulfa drug. J. J. Kelly, C. F. Morgan, and E. R. Smith. 2,634,228, Apr. 7.
Dental equipment stand. R. S. Wyne. 2,638,670, May 19.
Dental floss container and manipulator. M. Cohen. 2,644,469, July 7.
Dental floss holder. R. N. Carpenter. 2,664,093, Dec. 29.
Dental floss holder. S. Moll. 2,648,341, Aug. 11.
Dental floss implement. N. S. Rodesci. 2,650,598, Sept. 1.
Dental font. H. Freedman. 2,631,299, Mar. 17.
Dental handpiece. R. B. Black. 2,641,839, June 16.
Dental impression composition. E. H. Lochridge. Re. 23,700, Aug. 18.
Dental impression material. A. Fink. 2,652,312, Sept. 15.
Dental inlay clamp. J. I. Moray. 2,627,113, Feb. 3.
Dental inlay, Preformed. M. B. Gilliman. 2,659,145, Nov. 17.
Dental instrument. C. C. Keiger. 2,629,172, Feb. 24.
Dental massaging, cleaning, and medicating device. C. J. F. Jackson. 2,634,722, Apr. 14.
Dental matrix. J. Walser. 2,663,935, Dec. 29.
Dental matrix and retainer therefor. R. L. Sweeten. 2,636,269, Apr. 28.
Dental matrix apparatus. D. R. Christie and M. M. Bottemiller. 2,646,622, July 28.
Dental paralleling apparatus. S. Kay. 2,653,385, Sept. 29.
Dental plugger. J. D. Morrison. 2,641,836, June 16.
Dental prothesis. W. Dallenbich. 2,635,338, Apr. 21.
Dentifrice containing anhydrous dicalcium phosphate, Ammoniated. A. J. Singer. 2,647,073, July 28.
Denture. C. McNally. 2,662,288, Dec. 15.
Denture, Artificial. L. S. Greenmun. 2,641,835, June 16.
Denture pad. J. Rosner, Jr. 2,628,425, Feb. 17.
Denture, Partial. H. M. Timm. 2,631,373, Mar. 17.
Denture retainer. J. E. Brennan. 2,644,231, July 7.
Denture teeth, Nonanatomic posterior. I. L. Cook. 2,661,536, Dec. 8.
Dentures, Making. A. G. Leicht. 2,659,106, Nov. 17.
Dentures, Producing. G. W. Grant. 2,641,802, June 16.
Deodorant, antiperspirant compositions. F. M. Thurmon. 2,653,902, Sept. 29.
Deodorant container. M. Fink. 2,631,890, Mar. 17.
Deodorization of monoaryl substituted alkanes. J. L. Darragh and G. B. Johnson. 2,626,967, Jan. 27.
Deodorizer. Toilet bowl flush tank. J. R. Martinez. 2,658,206, Nov. 10.
Deodorizing device. D. W. Yaffe. 2,629,149, Feb. 24.
Deodorizing toilet paper holder. H. I. Matchett. 2,639,939, May 26.
Deoiling wax. G. L. Payne. 2,658,855, Nov. 10.
Deoxidizing water. W. A. Patrick. 2,663,688, Dec. 22.
Depositing a weighed fill in a receptacle, Method and apparatus for. D. E. and W. S. Cloud. 2,659,562, Nov. 17.
Depositing copper. M. Meth. 2,664,363, Dec. 29.
Depository, Outdoors coin. D. L. Shain. 2,661,149, Dec. 1.
Depression of sulfide minerals with zinc cyanide ammoniate. C. F. Allen, W. M. Fitzsimmons, and R. B. Booth. 2,660,306, Nov. 24.
Depression of sulfide zinc minerals from concentrates and ores. C. F. Allen, W. M. Fitzsimmons, and R. B. Booth. 2,660,307, Nov. 24.
Depth control device, Cultivator. B. A. Halverson. 2,640,403, June 2.
Depth control device for fishing tackle. G. W. Dunn. 2,648,929, Aug. 18.
Depth control for agricultural implements, Automatic. W. H. Silver. 2,641,172, June 9.
Depth control means for scarifiers. C. B. Covington. 2,643,868, June 30.
Depth gauge. J. A. Stedman. 2,662,296, Dec. 15.
Depth sounder. H. E. Nordstrom. 2,660,795, Dec. 1.
Derivatives of cycloalkylbenzoylaralkanoic acids. R. R. Burtner. 2,654,778, Oct. 6.
Derivatives of ethyleneimine, preparing. H. Bestian. 2,654,737, Oct. 6.

Derivatives of hexahydropyrimidine and converting the same to 1,3-diamines, Producing. C. W. Smith. 2,662,080, Dec. 8.
Derivatives of marrianolic acid, Preparing. K. Miescher and G. Anner. 2,653,164, Sept. 22.
Derivatives of N-hydroxymethyl nicotinic acid amide and the production thereof. H. Suter, E. Habicht, and W. Kündig. 2,654,759, Oct. 6.
Derivatives of 9-polyhydroxyalkyl-isoalloxazines and products obtained, Production of. C. Funk and A. J. Merritt. 2,654,735, Oct. 6.
Derivatives of 1,4-diaminobenzene-N-sulphonic acid, Preparation of. R. L. Lantz and G. H. V. Krémer. 2,637,743, May 5.
Derivatives of 1,2,3-trisubstituted pyrazolones and producing such compositions. J. H. T. Ledrut. 2,651,638, Sept. 8.
Derivatives of streptomycin and making them. W. A. Winsten. 2,626,256, Jan. 20.
Derivatives of tropic acid and the manufacture thereof. G. Rey-Bellet. 2,647,904, Aug. 4.
Derivatives of 2,7-diaminothioxanthone dioxide. E. D. Amstutz. 2,649,460, Aug. 18.
Derivatives of 2 : 3-dihydro-4-methyl-furo(3 : 2-c) quinoline and preparation thereof. H. Timmler, H. Andersag, and S. Breitner. 2,650,227, Aug. 25.
Derivatives of 2 : 3-dihydro-4-methyl-furo(3 : 2-c) quinoline and preparation thereof. H. Timmler, H. Andersag, and S. Breitner. 2,650,229, Aug. 25.
Derivatives of 2 : 3-dihydro-4-methyl-thieno(3 : 2-c) quinoline and preparation thereof. H. Timmler, H. Andersag, and S. Breitner. 2,650,228, Aug. 25.
Derivatization of starch with lactones. R. W. Kerr and W. A. Faucette. 2,660,577, Nov. 24.
Dermatome. T. R. Arden. 2,636,495, Apr. 28.
Derrick adaptable to the frames of transportation vehicles, Hoisting. M. E. Pelaez. 2,659,501, Nov. 17.
Derrick, Portable oil well. H. J. Woolslayer, C. D. Iddings, and J. S. Eaton. 2,656,023, Oct. 20.
Derrick, Underwater drilling. G. R. Hopkins. 2,661,600, Dec. 8.
Descaling ferrous metals. N. H. Brodell. 2,632,718, Mar. 24.
Desensitized liquid explosives. R. F. Preckel. 2,648,698, Aug. 11.
Desiccant. G. D. Metzger and W. Licht, Jr. 2,625,516, Jan. 13.
Design forming and attaching method. A. W. Franklin. 2,647,852, Aug. 4.
Desilting valve. C. Blanchet. 2,636,609, Apr. 28.
Desk. J. W. Stringe. 2,645,546, July 14.
Desk and safe, Combined. H. E. Glotfelter. 2,664,331, Dec. 29.
Desk and support therefor, Cabinet. E. A. Channer, Jr. 2,645,547, July 14.
Desk and wastebasket, Combined. J. H. Turner. 2,636,798, Apr. 28.
Desk arm brace. A. P. Brashear, Jr. 2,656,879, Oct. 27.
Desk, Efficiency. A. R. McAllister. 2,633,398, Mar. 31.
Desk for attachment to furniture drawers. S. D. Altman. 2,627,444, Feb. 3.
Desk or table top construction. F. A. Saaf. 2,646,327, July 21.
Desk, School. W. J. Bargen. 2,624,392, Jan. 6.
Desk, School. E. J. Kump, Jr. 2,659,649, Nov. 17.
Desk secretary, Telephone. M. J. Marrits. 2,626,479, Jan. 27.
Desk top construction. C. M. Abrahamson. 2,646,325, July 21.
Desk top cover. A. C. Hoven. 2,634,190, Apr. 7.
Desk, Typewriter pedestal. C. E. Wade. 2,643,167, June 23.
Desk, Typist's. M. M. Smith. 2,660,502, Nov. 24.
Desk with a shiftable top section. I. R. Cornish. 2,659,645, Nov. 17.
Desk with rotating drawer. W. W. Bridge. 2,660,504, Nov. 24.
Desolventizer vapor recovery system. H. B. Coats. 2,663,089, Dec. 22.
Destroying plants. A. H. Schlesinger. 2,653,864, Sept. 29.
Destructive distillation. C. E. Alleman. 2,647,077, July 28.
Desulfurization of distillate fuels. R. C. Arnold and A. P. Lien. 2,646,390, July 21.
Desulfurization of heavy petroleum oils. R. B. Mason. 2,636,841, Apr. 28.
Desulfurization of heavy petroleum oils. R. B. Mason and H. J. Rose. 2,640,011, May 26.
Desulfurization of heavy petroleum oils. R. B. Mason. 2,657,175, Oct. 27.
Desulfurization of hydrocarbons. A. E. Hoffman. 2,655,463, Oct. 13.
Desulfurization of metals and alloys by silicon. H. de W. Erasmus. 2,626,863, Jan. 27.
Desulfurization of olefinic naptha. R. C. Arnold and J. F. Deters. 2,634,230, Apr. 7.
Desulfurization of petroleum oils. M. L. Kalinowski. 2,663,673. Dec. 22.
Desulfurizing carbon-coated metals. E. J. Becker and F. J. Biondi. 2,662,839, Dec. 15.
Detachable electrical connector. H. M. Wadsworth. 2,653,304, Sept. 22.
Detachable hose support. C. E. Norberg. 2,636,704, Apr. 28.
Detachable index arm unit for measuring instruments. H. L. Bowditch. 2,660,147, Nov. 24.
Detachable key ring. S. J. Vaisey. 2,640,237, June 2.
Detachable light. A. L. Woolfolk. 2,658,135, Nov. 3.
Detachable rock drill bit. G. Annesley. 2,631,824, Mar. 17.
Detachable rock drill bit. G. Annesley. 2,654,573, Oct. 6.
Detachable root cutter. G. W. Peacock, Sr. 2,642,791, June 23.
Detachably securing implements to tractors, Means for. R. B. Shore. 2,662,459, Dec. 15.
Detaching means for abrasive disks. A. Turton and H. E. Hickman. 2,657,509, Nov. 3.
Detecting albumin and globulin in urine and other body liquids, Method and means of. J. H. Beckley. 2,633,410, Mar. 31.
Detecting an electrical twinning boundary in crystals. R. Smoluchowski. 2,633,017, Mar. 31.
Detecting apparatus. L. Favara and L. C. Green. 2,663,867, Dec. 22.
Detecting cracks in porous surfaces. T. de Forest and H. N. Staats. 2,635,329, Apr. 21.
Detecting cracks in porous surfaces. T. de Forest and H. N. Staats. 2,636,127, Apr. 21.
Detecting device for fast-moving objects. L. L. and N. M. Holliday. 2,647,032, July 28.
Detecting fluid movement in well bores, Method and apparatus for. J. E. Walstrom. 2,655,631, Oct. 13.
Detecting foreign bodies in containers, Method and apparatus for. E. H. C. Brown and P. A. Renner. 2,633,772, Apr. 7.
Detecting invisible and nonradiating objects. W. Sackville. 2,631,490, Mar. 17.
Detecting leakage between heat transfer fluids. G. W. Evans, Jr. 2,658,728, Nov. 10.
Detecting the presence of undesired metallic projections on nonmetallic surfaces, Means for. W. A. Law. 2,636,917, Apr. 28.
Detecting the source and analyzing the flow of water intrusions in oil wells. F. Frei. 2,660,887, Dec. 1.
Detection and measurement of radiation. G. Herzog and R. P. Mazzagatti. 2,648,781, Aug. 11.
Detection of stoppage in the flow of divided material. A. Bogot and H. A. Bishop. 2,659,881, Nov. 17.
Detection of water, Method and apparatus for the. M. H. Lowson. 2,624,782, Jan. 6.
Detector for counterfeit money. A. Dolinsky. 2,640,279, June 2.
Detector for frequency modulation receivers. G. E. Swanson and E. P. Thias. 2,634,369, Apr. 7.
Detector system. M. K. Goldstein. 2,654,085, Sept. 29.
Detector for seismic exploration. W. A. Alexander. 2,649,579, Aug. 18.
Detergent and making the same. H. A. Moltem, N. H. Masarky, and G. Barsky. 2,635,103, Apr. 14.
Detergent composition. J. D. Malkemus. 2,634,239, Apr. 7.
Detergent composition, Calcium hypochlorite. E. C. Soule. 2,634,238, Apr. 7.
Detergent compositions, Noncaking. H. G. Kirschenbauer. 2,625,513, Jan. 13.
Detergent compositions, Noncaking abrasive. H. G. Kirschenbauer. 2,625,514, Jan. 13.
Detergent dispenser. F. T. Hilliker. 2,636,503, Apr. 28.
Detergent in cake form, Nonsoap synthetic. W. M. Walters. 2,643,229, June 23.
Detergent package and making same. D. F. Jurgensen, Jr., and J. A. Abbott, Jr. 2,636,007, Apr. 21.
Detergent package and making same. D. F. Jurgensen, Jr., J. A. Abbott, Jr., and C. Arelt. 2,636,008, Apr. 21.
Detergent packages, Making. J. A. Abbott, Jr., and D. F. Jurgensen, Jr. 2,635,400, Apr. 21.
Determination of effective porosity of core samples. P. P. Reichertz. 2,641,924, June 16.
Determination of ethylene in gases. F. Stitt, Y. Tomimatsu, and A. H. Tjensvold. 2,648,598, Aug. 11.
Determination of pitch frequency of complex wave. R. L. Miller. 2,627,541, Feb. 3.
Determining bran in cereal flour. R. A. Larkin. 2,642,745, June 23.
Determining characteristics of earth formations, Method and apparatus for. C. R. Glanville, H. F. Dunlap, and E. W. Shuler, Jr. 2,645,752, July 14.
Determining frequency, Method and apparatus for. G. D. Paxson. 2,647,998, Aug. 4.
Determining insect parts in cereal flour. R. A. Larkin. 2,639,617, May 26.
Determining screen size for well screens, Means for. M. J. Napier. 2,634,613, Apr. 14.
Determining the end point of a titration. F. W. Jensen. 2,645,563, July 14.
Determining the freezing point of liquids, Method and apparatus for. J. W. Dickey. 2,633,736, Apr. 7.
Determining the size of a subsurface ore body. H. O. Seigel. 2,663,004, Dec. 15.
Determining the specific gravity and water content of concrete aggregates. 2,647,394, Aug. 4.
Determining the velocity and acceleration characteristics of moving objects. F. E. Tuttle and W. C. Newcomb. 2,659,264, Nov. 17.

Determining the velocity and acceleration characteristics of moving objects, Method and apparatus for. F. E. Tuttle and W. C. Newcomb. 2,663,215, Dec. 22.
Determining the velocity and acceleration characteristics of moving objects. F. E. Tuttle and W. C. Newcomb. 2,663,217, Dec. 22.
Determining the volume of articles, Method and apparatus for. L. I. Weiner and B. P. Berman. 2,662,400, Dec. 15.
Determining total flow in a borehole, Method of and apparatus for. R. G. Piety. 2,652,720, Sept. 22.
Dethiolizing hydrocarbons. J. L. Meadows, R. H. Howell, A. J. Startz, and G. H. Miller. 2,641,572, June 9.
Detonating element for marine bomb arming devices, Frangible. J. L. Worzel. 2,635,542, Apr. 21.
Detonating mechanism for time fuses. M. R. Thomson. 2,640,418, June 2.
Detonation meter. D. R. de Boisblanc. 2,633,738, Apr. 7.
Detonation suppression piston for internal-combustion engines. A. G. Bodine, Jr. 2,662,514–5, Dec. 15.
Detonator for firing explosives, Delayed-action. J. R. Lockett. 2,641,185, June 9.
Detoxifying tung meal. D. G. Ulrey. 2,641,542, June 9.
Deveiner and sheller, Shrimp. H. Weinberger. 2,647,278, Aug. 4.
Deveiner and splitter, Shrimp. A. R. McKinstry. 2,644,980, July 14.
Developer composition for developing an electrostatic latent image. L. E. Walkup and E. N. Wise. 2,638,416, May 12.
Developer for continuous strip of photographic paper. V. J. Forgett. 2,644,384, July 7.
Developer for diazotype materials. F. A. H. Kessels. 2,657,140, Oct. 27.
Developer for the positive diazotype process containing a borate, a polyhydroxy alcohol, and a coupler component. F. A. H. Kessels. 2,657,137, Oct. 27.
Developing aged photosensitive material containing silver halide and a chromate. W. Neugebauer and M. K. Reichel. 2,656,271, Oct. 20.
Developing apparatus. W. Eisbein. 2,657,618, Nov. 3.
Developing apparatus. A. J. Singer. 2,638,829, May 19.
Developing device for electrostatic images. E. R. Sabel and C. R. Mayo. 2,635,046, Apr. 14.
Developing electrostatic images. H. E. Copley. 2,659,670, Nov. 17.
Developing multilayer color films. A. K. Schwerin. 2,626,215, Jan. 20.
Deviation compensator. D. W. Halfhill. 2,652,545, Sept. 15.
Device adapted to be secured to sewing machines for the production of zigzag seams. G. Utz. 2,652,015, Sept. 15.
Device and method for weaving a spiral slide fastener to a narrow fabric simultaneously with the weaving of the fabric. F. C. Mostertz. 2,651,330, Sept. 8.
Device and process for converting hydrocarbons. R. A. Findlay. 2,643,216, June 23.
Device comprising an electric discharge tube having a liquid cathode. T. Douma. 2,653,278, Sept. 22.
Device for accurately setting calipers. I. Benkoe. 2,659,977, Nov. 24.
Device for adjustably supporting cameras or the like. N. S. Hulstein. 2,650,788, Sept. 1.
Device for adjusting and operating guides in the procedure of rolling metals. P. E. Svensson. 2,651,225, Sept. 8.
Device for adjusting the height of a ring of fluid, particularly water, in hydrodynamic brakes and such like. U. Ranzi. 2,652,853, Sept. 22.
Device for administering gases. R. H. Koza and W. M. Stockam. 2,652,830, Sept. 22.
Device for admixing a cleansing agent with a stream of fluid. G. F. McGregor. 2,641,507, June 9.
Device for alternatingly interrupting the brake fluid pressure in brake lines. M. F. Maloney. 2,660,266, Nov. 24.
Device for anchoring springs. M. Diamond. 2,663,361, Dec. 22.
Device for applying a wrapper to a bunch of cigarillos or cigars. E. W. C. Van Buul. 2,651,306, Sept. 8.
Device for applying footwear to handicapped persons. H. N. Meling. 2,628,007, Feb. 10.
Device for applying powdery material to floor coverings. W. M. Allen. 2,632,583, Mar. 24.
Device for applying test voltage to pipe coating. L. H. Tinker. 2,629,002, Feb. 17.
Device for applying threaded screws or bolts. J. D. Bates. 2,659,255, Nov. 17.
Device for atomizing grease. F. T. Barnes. 2,636,780, Apr. 28.
Device for attaching fabric to umbrella ribs. M. Ferrante. 2,625,947, Jan 20.
Device for attaching fronts to electrical cabinets. H. M. Stieglitz. 2,647,004 July 28.
Device for attaching hubcaps. P. D. Becker. 2,643,918, June 30.
Device for automatic honey extraction from combs. G. Sugano. 2,631,307, Mar. 17.
Device for automatically controlling air actuating mechanisms of machines. W. M. Kelly. 2,653,627, Sept. 29.
Device for avoiding the dislocation of furnaces or ovens. J. C. Fourmanoit. 2,656,717, Oct. 27.
Device for bend testing sheets. C. B. Buker. 2,646,679, July 28.
Device for boring the lockholes in doors. C. and F. Gellert. 2,656,862, Oct. 27.
Device for capping transmitters. C. C. McCain. 2,662,646, Dec. 15.
Device for checking the sale of tickets. C. L. Louthan. 2,643,168, June 23.
Device for cleaning dentures. A. P. Jackson. 2,659,380, Nov. 17.
Device for cleaning feeding nipples for infants. A. Sauer. 2,629,888, Mar. 3.
Device for cleaning grate bars of sintering machines. A. L. Sapp. 2,652,242, Sept. 15.
Device for cleaning hard residue from tubes by rupturing said residue. P. N. Bisson. 2,633,598, Apr. 7.
Device for cleaning out the bottoms of grain elevators. L. Jones. 2,641,357, June 9.
Device for cleaning pipe threads. R. R. Crookston and S. C. Brown. 2,661,494, Dec. 8.
Device for cleaning poultry gizzards or the like. G. R. Biddinger and C. H. Koonz. 2,663,899, Dec. 29.
Device for cleaning the grooves and lips on can openings and lids. C. McCroba. 2,652,582, Sept. 22.
Device for cleaning the tubes of automobile radiators and the like. J. S. Rouse. 2,639,453 May 26.
Device for cleaning Venetian blinds. A. C. Goguen. 2,663,046, Dec. 22.
Device for collating tissue paper garment patterns from stacks. A. G. Luisada. 2,644,687, July 7.
Device for collecting equine urine specimens. W. Berry. 2,626,387, Jan. 20.
Device for color comparisons. I. C. Bowman. 2,636,286, Apr. 28.
Device for comparing values represented by pulses. B. M. J. Leclerc. 2,660,372, Nov. 24.
Device for computation of roots of polynomials. L. C. Frager. 2,643,821, June 30.
Device for confining the thread balloon with a pay-off bobbin. L. te Strake. 2,654,551, Oct. 6.
Device for connecting a member to the end portion of a spindle or the like. A. Tingvatne. 2,637,148, May 5.
Device for connection of cables by means of plugs and sockets. E. A. Ericsson, E. A. Wiberg, and E. A. Atterling. 2,664,552, Dec. 29.
Device for controlling flow of finely divided solids. E. Gorin. 2,636,642, Apr. 28.
Device for controlling movement of a member on a conveyer. C. L. Hornberger. 2,624,440, Jan. 6.
Device for controlling the fuel supply of heating plants fired with gaseous or liquid fuels, particularly gas-fired liquid heaters. W. Brümmerhoff. 2,663,501, Dec. 22.
Device for controlling the passage of a fluid. P. P. Honegger. 2,649,273, Aug. 18.
Device for controlling the tension of a longitudinally moving wire. G. H. Leland. 2,640,663, June 2.
Device for controlling well flow. R. C. Baker. 2,644,527, July 7.
Device for converting motion into electrical energy. A. E. Shaw and R. J. Moon. 2,640,170, May 26.
Device for converting one form of rotary motion into another form of rotary motion. R. E. Vannatta. 2,650,505, Sept. 1.
Device for cooking meat and toasting buns. V. C. Blatz and L. A. Pomeroy. 2,636,431, Apr. 28.
Device for corrugating wire. D. E. Crooker. 2,643,688, June 30.
Device for counting leaves or sheets in piles or packets. A. E. Rosswall. 2,663,567, Dec. 22.
Device for crimping cable connectors. F. M. and H. S. Anthony. 2,645,141, July 14.
Device for delivering air into enclosures. L. R. Phillips. 2,624,262, Jan. 6.
Device for delivering cards, especially railway tickets. W. Bollmann. 2,656,233, Oct. 20.
Device for demonstrating the action of snow and ice tires and making the same. R. L. Felker. 2,663,094, Dec. 22.
Device for depositing centers in candy pieces. C. R. Zimmer. 2,642,010, June 16.
Device for depositing thin metallic layers. H. F. Falck. 2,630,780, Mar. 10.
Device for detecting and determining refraction anomalies of the human eyes. G. Quist. 2,642,771, June 23.
Device for detecting blown fuses. A. Lang. 2,659,789, Nov. 17.
Device for detecting or measuring magnetic fields. J. W. Jones. 2,642,479, June 16.
Device for detecting unsafe condition of bridges. J. B. Bear. 2,650,560, Sept. 1.
Device for determining borderline detonation. F. A. Wyczalek. 2,660,883, Dec. 1.
Device for determining check symbols. T. Reumerman and W. H. T. Helmig. 2,646,923, July 28.
Device for determining grade slopes. W. S. De Masters. 2,632,958, Mar. 31.
Device for determining the depth of water of a predetermined temperature. R. O. Hooker. 2,656,610, Oct. 27.
Device for dicing sheet material. W. F. Gibby. 2,635,693, Apr. 21.
Device for dispensing liquid preparations through a brush. J. B. McCabe and P. G. Marconi. 2,659,919, Nov. 24.

Device for dispensing pressure-sensitive adhesive tape. G. H. Fritzinger. 2,636,691, Apr. 28.
Device for dispensing sandwiches and the like. W. S. Tandler and D. S. Walker. 2,637,611, May 5.
Device for dispensing stacked retaining rings. V. A. Stabile. 2,650,722, Sept. 1.
Device for disposing of ejected cartridge cases. F. C. Eastman. 2,646,722, July 28.
Device for distributing air, gas, or the like in liquids. A. Rubin. 2,637,541, May 5.
Device for distributing mixtures of vapors and liquid. J. R. Turner. 2,650,556, Sept. 1.
Device for dividing fruits. H. Koch. 2,647,549, Aug. 4.
Device for dosing urea in blood and in urine. F. P. Masellis. 2,649,359, Aug. 18.
Device for drawing circles. B. M. Paci. 2,624,117, Jan. 6.
Device for drawing metal bars. J. R. Tschudnowsky. 2,663,411, Dec. 22.
Device for dressing coated abrasive belts. R. E. Brink. 2,646,654, July 28.
Device for driving fasteners. R. L. Siering and H. S. Ford. 2,657,383, Nov. 3.
Device for dustless drilling in the rock of mines. A. Löbbert. 2,646,256, July 21.
Device for ejecting cigar and cigarette butts and ashes from automobiles. M. Mermelstein. 2,646,164, July 21.
Device for elastically transferring forces. J. J. Warmoes and L. A. A. J. Closkin. 2,647,412, Aug. 4.
Device for end point determination in fat rendering process. J. E. Thompson. 2,650,343, Aug. 25.
Device for enhancing the vaporization of a fuel component of a flowing fuel-air mixture. G. L. Briggs. 2,661,269, Dec. 1.
Device for estimating the board foot contents of standing trees. E. C. Oyler. 2,654,153, Oct. 6.
Device for exercising hand and finger muscles. W. T. Wright. 2,633,358, Mar. 31.
Device for exchangeable objectives of photographic cameras. H. Naumann. 2,660,527, Nov. 24.
Device for extracting juice. S. Morey and S. L. Casella. 2,630,753, Mar. 10.
Device for facilitating the swallowing of pills, tablets, capsules, and the like. F. F. Bryan. 2,656,837, Oct. 27.
Device for feeding a continuous web. A. O. Russell, M. G. Jones, and W. M. Watts. 2,653,023, Sept. 22.
Device for feeding, cutting, and stacking continuous webs or bands. M. G. Jones. 2,653,024, Sept. 22.
Device for feeding liquid combustion agents to a combustion chamber used in propulsion apparatus. R. H. Goddard. 2,630,674, Mar. 10.
Device for feeding nails in position for manual driving. L. H. Alford. 2,630,567, Mar. 10.
Device for feeding sheet materials. W. A. Metcalf. 2,657,050, Oct. 27.
Device for flushing drainpipes. J. B. Hord. 2,638,126, May 12.
Device for forming and supplying gum sticks to a wrapping machine. L. W. Schoppee. 2,652,788, Sept. 22.
Device for forming fabrications from strip material. H. Fuchs. 2,632,413, Mar. 24.
Device for forming tobacco rods or strings. H. Kochalski. 2,629,386, Feb. 24.
Device for freezing and dispensing ice cubes. R. W. Templar. 2,654,228, Oct. 6.
Device for gravity feed of gears to gear shaving tools. A. D. F. Moncrieff. 2,649,032, Aug. 18.
Device for guiding weblike material. K. G. Wester. 2,639,483, May 26.
Device for handling granular material. M. C. Addicks. 2,646,965, July 28.
Device for handling of wet sticky pastes. F. Aagaard and H. G. Weiss. 2,652,929, Sept. 22.
Device for heating and shaping or altering the parts of an ophthalmic mounting. W. B. Heath. 2,661,645, Dec. 8.
Device for heating glass pipe. A. S. Berg and A. N. Goreglind. 2,633,522, Mar. 31.
Device for heating orchards. P. G. Watkins. 2,655,764, Oct. 20.
Device for holding coils of strapping with means for delivering lengths therefrom. A. J. Friedl. 2,641,470, June 9.
Device for holding embroidery floss and textile weaving and sewing material. L. E. York. 2,646,196, July 21.
Device for holding eyebrow or gray hair pencils. P. J. Kordish. 2,660,181, Nov. 24.
Device for imparting reciprocatory and oscillatory movement to baby carriages. F. D. Fraunfelder, E. L. Burner, and O. E. Buggs. 2,632,517, Mar. 24.
Device for indicating conditions in well bores. B. R. Steele and W. E. Nolan. 2,646,680, July 28.
Device for indicating electric potentials. M. den Hertog. 2,637,018, Apr. 28.
Device for inducing sleep and rest. F. H. Wiesman. 2,659,073, Nov. 10.
Device for inhibiting sleep. J. A. Mathis. 2,625,594, Jan. 13.
Device for inserting heels into ladies' shoes. H. W. Alberstein. 2,631,310, Mar. 17.
Device for inserting pliable grommets. S. Mueller. 2,657,818, Nov. 3.
Device for installing cesspools in a single operation. R. J. Haeg and C. C. Miller. 2,658,352, Nov. 10.
Device for installing or removing standing valves. E. E. Stevenson. 2,649,328, Aug. 18.
Device for installing sheet metal roofing. G. H. Huntington. 2,635,332, Apr. 21.
Device for insulating a jack. E. G. Johansson. 2,643,362, June 23.
Device for interlocking arcing and disconnect contacts. G. E. Jansson. 2,633,512, Mar. 31.
Device for intermittently discharging fluid under pressure. G. M. Peltz and H. Bovin. 2,649,331, Aug. 18.
Device for intermittently stopping the motion of a strip of material. J. L. Chambon. 2,650,823, Sept. 1.
Device for jet propulsion through water. W. K. Coxe and W. J. Merboth. 2,644,297, July 7.
Device for laterally adjusting webs. R. Winkler and M. Dünnebier. 2,640,660, June 2.
Device for limiting rotary motion. W. H. Behrens. 2,655,811, Oct. 20.
Device for liquid treatment of soil. H. A. Ingalls. 2,646,012, July 21.
Device for loading sheets or plates onto conveyers. J. W. Kenyon. 2,643,009, June 23.
Device for loading the magazines of automatic guns. G. D. Capito. 2,659,173, Nov. 17.
Device for loading, transporting, and unloading material. C. Christiansen. 2,635,884, Apr. 21.
Device for loosening and distributing tobacco. H. Kochalski. 2,629,385, Feb. 24.
Device for maintaining different temperatures in refrigerators. C. Millman. 2,644,319, July 7.
Device for maintaining the tension in the warp threads of a loom uniform. G. W. Kretzschmar. 2,661,774, Dec. 8.
Device for making butter pats. M. J. Weinberg. 2,645,852, July 21.
Device for making curved electroplate shells. R. R. Myers, Jr. 2,637,689, May 5.
Device for making hollow bodies of sheet metal under hydraulic pressure. H. E. Kranenberg. 2,649,067, Aug. 18.
Device for making injections. H. N. Love. 2,650,591, Sept. 1.
Device for making shoe lasts by profile milling. H. Werklund. 2,648,357, Aug. 11.
Device for manual cleaning of Venetian blind slats. I. J. Nicoll. 2,658,221, Nov. 10.
Device for manufacturing flexible containers for synthetic plastic materials. A. Strahm and A. Quinche. 2,624,071, Jan. 6.
Device for measuring absolute pressure. R. D. Richardson and G. B. Bailey. 2,652,727, Sept. 22.
Device for measuring alternating current impedances. J. A. Field. 2,660,705, Nov. 24.
Device for measuring and discharging fluids delivered thereto under pressure. D. D. Gray. 2,652,953, Sept. 22.
Device for measuring horizontal and vertical angles. E. L. Callahan. 2,650,431, Sept. 1.
Device for measuring pitch diameter of screws, bolts and the like. L. J. Scully. 2,663,948, Dec. 29.
Device for measuring radio-frequency power. R. A. Howard. 2,624,803, Jan. 6.
Device for measuring resistance changes. G. V. A. Gustafsson. 2,648,819, Aug. 11.
Device for measuring soil resistance. A. P. Jourdain. 2,640,351, June 2.
Device for measuring speeds and heat quantities in running media. N. G. Lindström. 2,633,747, Apr. 7.
Device for measuring the discharge voltage of galvanic cells. A. Marko and K. Kordesch. 2,662,211, Dec. 8.
Device for measuring the principal dimensions of erythrocytes. D. Verveen. 2,641,959, June 16.
Device for measuring the viscosity of liquids. R. Oppenauer. 2,625,817, Jan. 20.
Device for measuring total length of assembled well casing. G. H. Link. 2,629,257, Feb. 24.
Device for measuring workpieces such as screw threads and the like. W. Rinker. 2,639,509, May 26.
Device for mechanically sizing the slots of magnetic cores. L. A. Watts. 2,652,619, Sept. 22.
Device for mixing and feeding fertilizer. H. G. Kornberg. 2,656,072, Oct. 20.
Device for moistening adhesive labels and for feeding sheets. J. N. Procter. 2,639,688, May 26.
Device for observing the amount of poured grains of material. A. R. Roberge. 2,635,790, Apr. 21.
Device for opening packages, primarily cigarette packages. J. F. Wander. 2,649,653, Aug. 25.
Device for opening shells of slide and shell cartons. C. T. Hall. 2,630,742, Mar. 10.
Device for packaging flat flexible articles. R. B. Brown. 2,656,082, Oct. 20.
Device for packaging tire casings and the tire casing assemblies. C. C. Averill. 2,659,484, Nov. 17.
Device for packing fibrous masses. J. Bašus. 2,626,703, Jan. 27.
Device for piercing ears. J. A. Parker. 2,642,872, June 23.
Device for piling up preformed binder and/or wrapper leaves for cigars, cigarillos, or bunches thereof. E. V. C. van Buul. 2,654,369, Oct. 6.
Device for playing game of marbles. O. C. McNeal. 2,636,740, Apr. 28.

Device for plumbing vertical objects. E. W. Newcomb. 2,624,953, Jan. 13.
Device for preserving paintbrushes. H. B. Hyams. 2,654,504, Oct. 6.
Device for preventing clogging in centrifugal pumps. L. J. Dawson. 2,644,403, July 7.
Device for preventing collisions between guns. L. E. Topham and P. H. Girouard. 2,633,060, Mar. 31.
Device for preventing tractors from turning over backwards. E. B. Annis. 2,633,367, Mar. 31.
Device for printing and nonprinting as controlled by comparison of dates. H. A. Reitfort. 2,627,805, Feb. 10.
Device for printing characters on moving packages. J. G. McKay. 2,634,676, Apr. 14.
Device for producing bactericide OH-ions through electrolysis for dental treatment. A. Knappwost. 2,655,922, Oct. 20.
Device for producing current impulse combinations. K. Ehrat. 2,629,012, Feb. 17.
Device for producing reciprocating or lateral motion. W. C. White and H. W. Lord. 2,660,671, Nov. 24.
Device for producing signals at predetermined intervals. M. E. Snoddy. 2,657,748, Nov. 3.
Device for production of uniform circle graduations. W. Bauersfeld and E. Bernhardt. 2,663,082, Dec. 22.
Device for progressively releasing a reagent in a bath of molten metal. J. K. Stone, Jr. 2,662,008, Dec. 8.
Device for projecting single views of stereoscopic pairs mounted in disks. G. N. Smith. 2,625,078, Jan. 13.
Device for protecting and reinforcing the projecting ends of paper wrapped crayons. R. H. Wendt. 2,655,131, Oct. 13.
Device for providing mold indentations and cleaning mold forming apparatus. J. Varak. 2,649,745, Aug. 25.
Device for recording speed and distance traveled by vessels passing through water. G. C. Reis. 2,633,745, Apr. 7.
Device for recording the listening habits of wave signal receiver users. G. H. Bateman and F. Krahulec. 2,645,549, July 14.
Device for recrimping the head seams of drums. H. F. Niemann. 2,655,120, Oct. 13.
Device for reducing excess lubricant on relatively reciprocating bodies. A. Peters. 2,657,762, Nov. 3.
Device for reducing or preventing ice formation on compressors of gas-turbine engines. F. B. Greatrex and F. R. Murray. 2,630,965, Mar. 10.
Device for releasably securing brush strips in brush rolls. L. E. Segesman. 2,649,603, Aug. 25.
Device for removing cards from between stacked articles. K. F. Newell. 2,637,451, May 5.
Device for removing layers of paint. J. Prent. 2,652,104, Sept. 15.
Device for removing lids from cans. D. F. Cockrell. 2,635,801, Apr. 21.
Device for removing liquid from filamentary strands. C. W. Cox. 2,648,965, Aug. 18.
Device for removing snow. E. H. Daniels. 2,627,679, Feb. 10.
Device for removing the ends of cans. H. C. Wilson. 2,662,279, Dec. 15.
Device for removing worn brake linings. H. D. Kelley and W. E. Knott. 2,630,176, Mar. 3.
Device for retaining reel connectors. C. E. Badik and J. J. Reilly, Jr. 2,649,261, Aug. 18.
Device for retreading tires. J. H. F. Kent. 2,634,492, Apr. 14.
Device for retrieving spinners or the like. G. O. Brown and H. E. Durcholz. 2,634,539, Apr. 14.
Device for rocking cribs. W. B. Hayes. 2,645,790, July 21.
Device for sampling formation fluid. P. E. Chaney and W. E. Barnes. 2,632,512, Mar. 24.
Device for sealing wire lines, including a cable having spaced sealing members. E. G. Akers. 2,639,692, May 26.
Device for selectively dispensing ordinary and carbonated water. F. Kostka. 2,663,556, Dec. 22.
Device for separating oil from water. J. S. Adams and P. E. Wilson. 2,646,921, July 28.
Device for separating particles of different masses. W. Altar. 2,633,539, Mar. 31.
Device for separating potatoes from stones. F. D. Gray and E. G. Snyder. 2,656,921, Oct. 27.
Device for separating water and foreign matter from liquid fuel. C. Garaycochea. 2,656,926, Oct. 27.
Device for setting carburetor floats. T. J. Baas. 2,660,801, Dec. 1.
Device for setting timbers and the like. H. L. Tedrow. 2,634,873, Apr. 14.
Device for setting up cartons. W. A. Ringler. 2,627,791, Feb. 10.
Device for severing rolled materials. P. E. Fuchs. 2,639,031, May 19.
Device for shape-turning and for the production of hollow shapes and turned parts by means of a rotating cutting tool on machine tools. A. Rüegg. 2,661,640, Dec. 8.
Device for sharpening hypodermic needles. F. H. Sohn. 2,635,398, Apr. 21.
Device for sharpening hypodermic needles and other instruments. G. W. Jacoby, Jr. 2,663,976, Dec. 29.
Device for sharpening the blades of slicing machines for slicing eatables. A. Ditting. 2,632,289, Mar. 24.
Device for simultaneously clamping and releasing plural workpieces. E. Braun. 2,662,433, Dec. 15.
Device for softening beards or face steamers. B. Becker. 2,635,605, Apr. 21.
Device for stabilizing and homogenizing liquid mixtures. S. H. Zachariassen. 2,634,109, Apr. 7.
Device for stabilizing rotary-wing aircraft. P. E. Renoux. 2,652,898, Sept. 22.
Device for stabilizing the orientation of gyroscopes. F. Lajeunesse. 2,633,029, Mar. 31.
Device for stacking magnetizable articles. L. W. Davidson and W. W. Maher. 2,635,002, Apr. 14.
Device for sterilizing hollow thermoplastic articles by heat. P. Kollsman. 2,629,148, Feb. 24.
Device for storing and conveying containers. A. Nussbaum and O. A. Becker. 2,646,177, July 21.
Device for supplying ink to ribbons. J. P. Knight. 2,645,202, July 14.
Device for supporting a camera or similar instrument. K. B. Anderson. 2,636,822, Apr. 28.
Device for supporting and actuating hypodermic syringes. H. Malm. 2,660,169, Nov. 24.
Device for supporting glassware in burning-off operations. J. C. Weber, Jr. 2,660,833, Dec. 1.
Device for suspending conductors or similar objects from load ropes. R. Marchetti. 2,651,484, Sept. 8.
Device for taking inseam measurement of trousers. O. W. Zielaskowski. 2,645,015, July 14.
Device for teaching arithmetic. L. D. Goodwin. 2,643,467, June 30.
Device for teaching vernier reading. L. G. Drury. 2,632,963, Mar. 31.
Device for tempering steam. W. C. Glover, Jr. and E. G. Stevens. 2,651,511, Sept. 8.
Device for testing fluid pressure lines. S. J. Sawicki. 2,640,492, June 2.
Device for testing hot flow. A. P. Dowling. 2,660,051, Nov. 24.
Device for testing impact resistance of frangible articles. J. R. Eves. 2,648,975, Aug. 18.
Device for testing meat tenderness. H. P. Wiseman. 2,652,718, Sept. 22.
Device for testing the tolerances of workpieces. H. Haldegger. 2,663,943, Dec. 29.
Device for the automatic return of doors and the like pivoting members. H. J. M. Lambert and G. P. Mongin. 2,626,420, Jan. 27.
Device for the gunnery instructions. G. C. A. Alric. 2,662,305, Dec. 15.
Device for the identification of documents or printed matter. P. J. Selgin. 2,646,717, July 28.
Device for the ignition and the operation of a gas filled electric discharge apparatus. A. Claude. 2,659,037, Nov. 10.
Device for the launching of rockets from airplanes. R. Robert and P. Matge. 2,630,741, Mar. 10.
Device for the setting of the multiplier into motor-driven calculating machines. S. Lanza. 2,655,313, Oct. 13.
Device for the transportation and storage of live fish. G. N. Washburn. 2,652,807, Sept. 22.
Device for transferring traveling articles. F. W. Wehmiller and W. J. Nekola. 2,642,173, June 16.
Device for trans-illuminating transparencies. R. N. Nierenberg and W. Mungall. 2,646,637, July 28.
Device for treating fabrics. M. R. Meyer. 2,633,624, Apr. 7.
Device for treating with disinfectant the mouthpieces of telephones and like apparatus. V. Fraschetti. 2,659,778, Nov. 17.
Device for treatment of the muscles of the upper torso. W. J. Browner. 2,661,744, Dec. 8.
Device for trimming sheet material. G. H. Chamberlain. 2,626,665, Jan. 27.
Device for truing the grinding wheels of grinding machines. A. Mottu. 2,663,292, Dec. 22.
Device for use in curling hair. C. R. Lewis and H. J. Sauers. 2,630,809, Mar. 10.
Device for use in filling cavities in teeth. H. M. Holmes. 2,648,906, Aug. 18.
Device for use in making bound buttonholes. R. T. Hanna. 2,641,388, June 9.
Device for use in tearing sheet material. H. W. Pusheck. 2,654,544, Oct. 6.
Device for use with open hole testers in wells. R. E. O'Donnell. 2,629,444, Feb. 24.
Device for varying the effective area of discharge orifices of jet engines or afterburners therefor. G. W. Kallal. 2,634,578, Apr. 14.
Device for visual training. C. W. Ott. 2,661,444, Dec. 1.
Device for washing articles such as drinking glasses. N. E. Auten. 2,643,659, June 30.
Device for washing oil tanks with water and the like devices. J. B. Veneziano. 2,661,241, Dec. 1.
Device for wave guides employing ovalized sections. M. Jouguet. 2,632,804, Mar. 24.
Device for weaving of fabrics. V. Svatý. 2,662,556, Dec. 15.
Device for winding wire about terminals. E. J. Beaulieu, L. E. Haagensen, and O. Scharer. 2,648,356, Aug. 11.
Device for working in ceramics. L. Adams. 2,638,653, May 19.

Device having the dual function of electromagnetic clutch and alternator. A. Brueder. 2,644,905, July 7.
Device in heat exchanger. K. P. A. Ohlander. 2,661,200, Dec. 1.
Device in prepayment coin boxes for generating coin-released electrical impulses. O. Moser. 2,646,866, July 28.
Device in Venetian blinds or the like. G. Johansson. 2,645,283, July 14.
Device of the kind comprising an electronic tube having a ribbon-shaped beam which is deflected and held in different positions. K. Rodenhuis. 2,642,547, June 16.
Device to permit radar contour mapping of rain intensity in rainstorms. D. Atlas. 2,656,531, Oct. 20.
Device to resist the disarming of bombs. J. Rabinow. 2,647,465, Aug. 4.
Device which aerates water. E. M. Poirot. 2,641,455, June 9.
Device which aerates water. E. M. Poirot. 2,646,261, July 21.
Devices for packaging liquid infant food. J. J. Horan. 2,628,912, Feb. 17.
Dewatering device for adjustable blade rotary hydraulic machines. R. B. Willi. 2,636,714, Apr. 28.
Dewatering device for sand and the like. R. S. Webster. 2,644,587, July 7.
Dewaxing mineral oil. C. F. Sacra. 2,654,693, Oct. 6.
Dewaxing oils containing wax. H. C. Myers, A. O. Pukkila, and J. I. Barnes. 2,645,600, July 14.
Dewaxing process. L. C. Fetterly. 2,642,377, June 16.
Dextran battery separator plate. H. A. Toulmin, Jr. 2,624,768, Jan. 6.
Dextran of relatively low molecular weight, Production of. H. J. Koepsell, H. M. Tsuchiya, and N. N. Hellman. 2,660,551, Nov. 24.
Di- and trichloroacetones, Preparation of. E. E. Gilbert and C. Woolf. 2,635,118, Apr. 14.
Diacetyl sulfide, Manufacture of. W. W. Crouch and R. T. Werkman. 2,639,296, May 19.
Diacyl cyanides, Preparing. L. F. Arnold. 2,659,749, Nov. 17.
Diagnostic compositions. J. Kamlet. Re. 23,705, Sept. 1.
Diagnostic information monitoring system. R. M. Bloch. 2,634,052, Apr. 7.
Dial and pointer assembly for indicators. V. R. Kimball. 2,627,245, Feb. 3.
Dial construction for circular rib-type knitting machines. S. Mishcon and H. Agulnek. 2,661,613, Dec. 8.
Dial indicating mechanism for measuring instruments. A. R. Dickie. 2,644,335, July 7.
Dial indicator. M. Německý. 2,658,282, Nov. 10.
Dial indicator gauge. J. E. Delaney. 2,660,798, Dec. 1.
Dial ornamentation. G. A. Lasko. 2,652,652, Sept 22.
Dial telephone system-digit absorbing selector circuit. G. Riddell and H. A. Soucy. 2,642,498, June 16.
Dial type comparator, Accurately repeating. S. A. Foster. 2,645,020, July 14.
Dialing system with direct time measuring apparatus. Pulse position. W. A. Malthaner, N. D. Newby, and H. E. Vaughan. 2,658,188, Nov. 3.
Dialkoxythiophosphoryl chloride, Preparation of. M. R. Bland and E. J. Young. 2,663,723, Dec. 22.
Dialkyl ar-carboxydihydrocinnamates. W. S. Emerson and R. A. Heimsch. 2,642,457, June 16.
Dialkyl esters of glycol polycarboxylic acid esters. E. S. Blake. 2,624,754, Jan. 6.
Dialkyl glycolurils, Preparation of. H. B. Adkins. 2,654,763, Oct. 6.
Di-(alkylphenyl)-alkenes. H. Pines and V. N. Ipatieff. 2,625,571, Jan. 13.
Dialkylthiophosphates, Production of. H. Jonas. 2,647,140. July 28.
Dialkyl 3-dodecyloxypropane-1-phosphonate. E. C. Ladd and M. P. Harvey. 2,664,438, Dec. 29.
Dialyzer. J. F. Marchand. 2,664,395, Dec. 29.
Diameter compensation in radiation well logging, Automatic. D. Silverman, G. R. Newton, and J. E. Skinner. 2,648,778, Aug. 11.
Diameter sheave, Adjustable. W. A. Williams. 2,651,209, Sept. 8.
Diamine-bis-acetamides. A. L. Jacoby. 2,647,121, July 28.
Diamines, Preparation of. R. E. Foster and H. E. Schroeder. 2,657,240, Oct. 27.
Diamines, Preparation of. R. R. Whetstone and S. A. Ballard. 2,636,051, Apr. 21.
Diaminofluorene derivatives. D. R. Eberhart and N. K. Barabutes. 2,662,913, Dec. 15.
Diaminophenylthiobutenes. L. R. Freimiller and C. H. McKeever. 2,639,283, May 19.
Diammonium salts. F. Häfliger and E. Girod. 2,659,756, Nov. 17.
Diamond bit protector. T. C. Mathews. 2,644,672, July 7.
Diamond boring machine. M. H. Arms and L. J. Barnard. 2,626,534, Jan. 27.
Diamond dressing tool. L. H. Metzger. 2,662,519, Dec. 15.
Diamond holder attachment. F. M. Mottet. 2,629,173, Feb. 24.
Diamond holder with gauging means. W. Muench. 2,632,433, Mar. 24.
Diaper. T. J. Mahon. 2,643,969, June 30.
Diaper construction. E. Kiscaden. 2,630,806, Mar. 10.
Diaper, Disposable. W. A. and G. I. He 2,649,859, Aug. 25.
Diaper, Disposable. M. E. Miller. 2,627,858,
Diaper, Disposable baby. J. M. Le Bolt. Aug. 25.
Diaper garment, Form-fitting. S. and A. M 2,633,132, Mar. 31.
Diaper holder and the like. M. M. Sanford. Dec. 15.
Diaper pants. A. P. Hargrave. 2,627,859, Feb.
Diaper, Pinless. B. B. Tittle. 2,660,172, Nov.
Diaper substitute or the like, Infant's. E. 2,625,160, Jan. 13.
Diaphragm. J. M. Barr. 2,638,930–1, May 1
Diaphragm actuated balanced gate type pressure H. G. Bissell. 2,640,498, June 2.
Diaphragm actuated electrical switch. K. T. 2,649,518, Aug. 18.
Diaphragm and mounting, Loud-speaker. J. B. 2,640,556, June 2.
Diaphragm assembly. A. Elo. 2,632,475, Mar.
Diaphragm assembly and making same. J. 2,642,090, June 16.
Diaphragm closure for paste shoe polish equipped with a dauber. H. L. Auten. Oct. 6.
Diaphragm control for press roll assemblies. bostel. 2,638,819, May 19.
Diaphragm device. V. G. Klein. 2,625,954, Jan
Diaphragm, Elastic. A. H. Morin. 2,642,091.
Diaphragm for collet chucks, Fluid actuated von Weise. 2,664,108, Dec. 29.
Diaphragm for fluid clutches, Flexible. V. 2,640,499, June 2.
Diaphragm for pressure regulators. C. H. 2,650,618, Sept. 1.
Diaphragm for pressure responsive apparatus a and pressure responsive device embodying C. B. Gamble. 2,651,328, Sept. 8.
Diaphragm for pumps. H. C. Porter. 2,658,52
Diaphragm for storage tanks. C. P. Krupp. Aug. 4.
Diaphragm mounting. J. H. Nellis. 2,635,64
Diaphragm operated pressure regulating valv Flanagan. 2,631,600, Mar. 17.
Diaphragm pump. R. T. Cornelius. 2,650,545,
Diaphragm pump. JB Johnson. 2,631,538, M
Diaphragm pump and system. B. F. Schmidt. July 21.
Diaphragm spring reciprocating tool. I. C. 2,654,256, Oct. 6.
Diaphragm structure, Molded. D. G. Griswold. May 12.
Diaphragm type expansible chamber operat Shannon. 2,658,525, Nov. 10.
Diaphragm type pressure indicator. Y. T. Li. Feb. 10.
Diaphragm unit, Double. J. H. Province. Aug. 25.
Diaphragm unit for loud-speakers. R. D. Ch 2,638,509, May 12.
Diaphragm valve. L. R. Elmermann. 2,635,6
Diaphragm valve. R. Fortune. 2,638,306–7, N
Diaphragm valve. G. E. Franck. 2,654,559,
Diaphragm valve having an adjustably moun pilot valve. W. A. Ray. 2,651,326, Sept. 8.
Diary and marital calculator, Woman's. Z. 2,650,764, Sept. 1.
Diarylethanes, Preparation of. E. L. Kropa Nyquist. 2,653,979, Sept. 29.
Diarylguanidine vulcanization accelerators. ler. 2,662,927, Dec. 15.
Diastereoisomeric propane derivatives and their manufacture. P. Galliliot and J. Robert Dec. 22.
Diatomaceous earth and Portland cement c C. A. Frankenhoff. 2,654,674, Oct. 6.
Diazo amino compounds and water-insoluble a on fibers, Preparation of. R. L. Lantz. Aug. 11.
Diazo thioethers as blowing agents in producti rubber and the like. W. B. Reynolds. 2,6 10.
Diazothioethers in emulsion polymerization. and W. J. Dale. 2,625,537, Jan. 13.
Diazotype developer composition containing borate and process of using same. F. A. 2,657,141, Oct. 27.
Diazotype photoprinting material. J. Sul J. E. Frederick. 2,662,013, Dec. 8.
Diazotype reflex photoprinting. C. E. 2,660,526, Nov. 24.
Diazonium compounds. W. Seidenfaden an 2,633,461, Mar. 31.
Dibasic ether acid derivatives of vanillic acid. 2,630,454, Mar. 3.
Dibasic silver salts of alkenyl succinic acid batting fungus infestations therewith. 2,655,460, Oct. 13.
Dibenzoylethylene compounds and producin M. W. Goldberg and A. I. Rachlin. 2,641,
Dibenzyl tetrathiodiglycolate. L. Libenson. May 5.

Diborane, Preparation of. E. M. Boldebuck, J. R. Elliott, and G. F. Roedel. 2,658,815, Nov. 10.
Dicarbamylguanidine salts. D. W. Kaiser. 2,624,761, Jan. 6.
Dicebox. I. Benkoe. 2,636,741, Apr. 28.
Dice box. E. Laube, Jr. 2,628,840, Feb. 17.
Dice shaking device. R. P. Murray. 2,639,153, May 19.
Dictating machine. M. Meunier. 2,657,062, Oct. 27.
Dictation machine. J. O. Shepherd. 2,654,609, Oct. 6.
Dictionary, Speaking. L. L. Erdos. 2,650,097, Aug. 25.
Dicyandiamide-urea-formaldehyde impregnating agents, Producing. E. Elöd. 2,662,071, Dec. 8.
Dicyclohexyl ethane compounds and making same. E. M. H. Radde. 2,661,369, Dec. 1.
Dicyclohexylsulfamate of streptomycin and preparation thereof. H. W. Rhodehamel, Jr. and W. B. Fortune. 2,635,096, Apr. 14.
Dicyclopentadiene recovery process. T. G. Jones. 2,636,055, Apr. 21.
Die: *See*—
Bullet forming die.
Forming die.
Multiple notching die.
Tube cutting die.
Web extrusion die.
Die adjusting mechanism. A. Saxer. 2,656,744, Oct. 27.
Die block for wire drawing machines. R. C. Kivley. 2,633,234, Mar. 31.
Die-bowl assembly. E. N. Meakin. 2,652,007, Sept. 15.
Die casting. F. C. Bennett. 2,660,769, Dec. 1.
Die casting machine. W. H. Schwartz. 2,656,576, Oct. 27.
Die casting method for the manufacture of brushes. M. and C. Schiffer. 2,630,601, Mar. 10.
Die cutting machine. R. W. Jack and H. E. Montgomery. 2,649,033, Aug. 18.
Die-expressed article of a magnesium-base alloy, Making a. D. S. Chisholm and R. S. Busk. 2,630,623, Mar. 10.
Die for cutting and impressing relatively thin leather. L. E. Benedict. 2,663,180, Dec. 22.
Die for cutting coat collar parts. J. J. Pietrafesa. 2,646,120, July 21.
Die for extruding compressed powder rods. E. K. Leavenworth. 2,651,952, Sept. 15.
Die for extrusion presses. I. T. Bennett. 2,651,411, Sept. 8.
Die for forging crankshafts, Collapsible. C. A. Brauchler. 2,653,373, Sept. 29.
Die for macaroni product extrusion, D. Maldari. 2,638,855, May 19.
Die for making elbow pipe. J. Petresky, Jr. 2,649,642, Aug. 25.
Die for making transformer core laminations, Adjustable. F. L. Patterson. 2,647,575, Aug. 4.
Die for presses, Rotary progressive. O. Immenroth. 2,625,896, Jan. 20.
Die for tubing, Extrusion. D. H. Clark. 2,638,213, May 12.
Die for use in high-frequency heating. J. P. Gannon, J. Paintner, and W. Schnitzer. 2,631,646, Mar. 17.
Die head, Automatic pull-off or yoke operated. C. H. Laemmel. 2,663,033, Dec. 22.
Die holder for pneumatic marking hammers and the like. R. A. Pannier. 2,627,803, Feb. 10.
Die mechanism for extruding compressed powder rods. E. K. Leavenworth. 2,656,743, Oct. 27.
Die mounting for crimp-sealing machines. G. A. Swartz. 2,653,647, Sept. 29.
Die quenching apparatus. T. J. Doyle. 2,662,537, Dec. 15.
Die set, Automatic self-feed. J. D. Thompson. 2,633,193, Mar. 31.
Die set handling flange and coacting hook. K. Janiszewski. 2,647,784, Aug. 4.
Die set leader bearings with variable clearance. K. Janiszewski. 2,652,893, Sept. 22.
Die spacing means for welding apparatus. M. M. Seeloff and R. Anderson. 2,636,966, Apr. 28.
Die stamping and drawing. W. J. Bentsen. 2,664,062, Dec. 29.
Die unit for molding plastic materials, Extrusion. C. D. Orsini. 2,636,218, Apr. 28.
Dies for forming reference surfaces on articles circular in cross-sections. C. Herzog. 2,630,727, Mar. 10.
Dies for forming thermoplastic and thermosetting plastic materials, Extrusion. C. D. Orsini. 2,629,898, Mar. 3.
Dielectric coaxial line and making same, Slotted. J. F. Blanco. 2,663,754, Dec. 22.
Dielectric compositions. L. A. Brooks, M. Markarian, and M. Nazzewski. 2,636,022, Apr. 21.
Dielectric containing halogenated aromatic hydrocarbon and mono ortho tolyl biguanide as corrosion inhibitor. E. E. Hardy. 2,627,504, Feb. 3.
Dielectric heating. R. H. Hagopian. 2,650,289, Aug. 25.
Dielectric heating, Method and apparatus for. G. E. Gard. 2,638,529, May 12.
Dielectric heating with rotatory work-receiving element. P. D. Newhouse. 2,644,073, June 30.
Dielectric heating with tube-oscillator generators. R. H. Hagopian. 2,632,091, Mar. 17.
Dielectric material. W. J. Lies. 2,641,552, June 9.
Dielectric material. R. L. Overholt. 2,639,248, May 19.
Dielectric wall for transmission of centimetric radiation. E. B. McMillan, H. Leaderman, and R. M. Redheffer. 2,659,884, Nov. 17.
Dielectric wave guide to coaxial line junction. S. B. Cohn. 2,659,055, Nov. 10.
Diesterarseniteamides. J. R. Vaughan, Jr. 2,631,158, Mar. 10.
Dietetic food product and preparing the same. J. B. Gordon. 2,629,665, Feb. 24.
Diethanolaminopyridines. F. C. Copp. 2,657,212, Oct. 27.
Diethyl benzoylsuccinate, Preparing. T. M. Patrick, Jr., and E. W. Gluesenkamp. 2,647,917, Aug. 4.
Diethyl dioctyl pyrophosphates, Insecticidal unsymmetrical. G. M. Kosolapoff. 2,634,226, Apr. 7.
Diethyl diphenyl pyrophosphate, Insecticidal unsymmetrical. G. M. Kosolapoff. 2,634,227, Apr. 7.
Diethyl isonitroso[illegible]ate, Production of. J. C. Vander Weele, E. C. Britton, and H. C. White. 2,649,474, Aug. 18.
Differential. V. E. Gleasman. 2,631,475, Mar. 17.
Differential. D. E Schott. 2,624,213, Jan. 6.
Differential actuator. F. J. Ronan, W. J. Hanson, and A. G. Russell. 2,657,593, Nov. 3.
Differential actuator motion transmission means. R. E. Boyden. 2,656,975, Oct. 27.
Differential air gauge. G. W. Grisdale. 2,641,130, June 9.
Differential drive mechanism. M. E. King. 2,638,795, May 19.
Differential drive mechanism. P. Pontrello. 2,630,024, Mar. 3.
Differential froth flotation process. P. R. Hines. 2,664,198, Dec. 29.
Differential gearing. G. R. Stevens. 2,651,946, Sept. 15.
Differential gearing power transmission. L. A. Trofimov. 2,647,417, Aug. 4.
Differential mechanism. F. D. Knoblock. 2,638,794, May 19.
Differential mounting and carrier. H. W. Alden. 2,651,216, Sept. 8.
Differential pressure actuation device. J. S. Baker. 2,645,248, July 14.
Differential pressure indicating device. R. M. Titus. 2,627,750, Feb. 10.
Differential pressure operated valve. D. G. Griswold. 2,649,773, Aug. 25.
Differential pressure switch. E. E. Harris. 2,656,428, Oct. 20.
Differential refractometer. H. Sheffer, J. C. Hyde, and H. J. Hadow. 2,630,042, Mar. 3.
Differential resistor. De W. C. Clintsman. 2,650,507, Sept. 1.
Differential, Torque proportioning. H. M. Patch. 2,655,053, Oct. 13.
Differential transmission for motor vehicles, Chain-driven. G. S. Padial. 2,631,464, Mar. 17.
Differential tremulant. J. Glatter-Götz. 2,633,047, Mar. 31.
Diffuser. R. C. Brierly. 2,633,908, Apr. 7.
Diffuser and binder base for residue of evaporable material. G. W. Meek and W. H. Wheeler. 2,642,310, June 16.
Diffuser device and article supporting base, Combination. G. W. Meek. 2,657,090, Oct. 27.
Diffuser for air conditioning systems. G. S. Dauphinee. 2,644,389, July 7.
Diffuser for gases. E. P. Coombs. 2,639,131, May 19.
Diffuser for mouthpieces, Smoke. J. L. Barbara. 2,649,094, Aug. 18.
Diffuser for ventilating fans. B. Segalman. 2,653,757, Sept. 29.
Diffusion process. E. V. Harlow. 2,626,679, Jan. 27.
Digester tower. W. A. Knebler. 2,639,902, May 26.
Digger for endless chain-type ditching machines. R. Reagle. 2,636,291, Apr. 28.
Digger having means for separating vines and stones from potatoes, Potato. A. E. Young. 2,657,798, Nov. 3.
Digger, Stone. J. A. Anderson. 2,624,959, Jan. 13.
Digger, Sweet potato. J. K. Park and M. R. Powers. 2,638,727, May 19.
Digger tooth construction. M. D. Hostetter. 2,635,366, Apr. 21.
Digging and harvesting machine, Onion. E. H. Drake. 2,651,157, Sept. 8.
Digging and pickup device for loosening and conveying material, Mobile. V. Eglitis. 2,634,962, Apr. 14.
Digging angle adjustment for endless belt excavators. W. Thomas. 2,636,288, Apr. 28.
Digging blade for ditching and cable laying machines. F. B. Ryan. 2,632,265, Mar. 24.
Digging machine for mining coal. C. E. Berry. 2,654,586, Oct. 6.
Digging teeth for loading machine digging blades. R. Q. Armington and W. F. Klun. 2,657,480, Nov. 3.
Digging tool. W. R. Proetz. 2,638,372, May 12.
Digital indicating arrangement for measuring systems. N. B. Nichols. 2,625,822, Jan. 20.
Digital reader. G. W. King. 2,641,522, June 9.
Digitizer. C. A. Piper and L. R. Brown. 2,631,778, Mar. 17.
Diglyceride preparation. W. Lange and F. J. Baur. 2,626,952, Jan. 27.
Diguanidine amides of alkane phosphonic acids. A. H. Lewis and R. D. Stayner. 2,655,533, Oct. 13.
Dihydrocodeinone, dihydromorphinone, and codeinone, Preparing. A. H. Homeyer and G. B. De La Mater. 2,628,962, Feb. 17.
Dihydromorphinone, dihydrocodeinone, and dihydropseudocodeinone, Preparing. H. Rapoport. 2,649,454, Aug. 18.

Diketones and their preparation. E. W. Gluesenkamp and T. M. Patrick, Jr. 2,637,742, May 5.
Dilatometer. G. E. Comstock, 3d. 2,656,712, Oct. 27.
Dilute alkali dispersible hot melt bookbinding adhesives. J. L. Evans and D. D. Micucci. 2,657,187, Oct. 27.
Dilute alkali dispersible hot melt bookbinding adhesives. P. S. Pinkney. 2,657,189, Oct. 27.
Dimethoxydecadienes, Preparing. R. S. Urban. 2,658,082, Nov. 3.
Dimethoxydecadienes, Preparing. R. S. Urban. 2,658,922, Nov. 10.
(Dimethoxymethyl) succinic anhydride and telomeric products. T. M. Patrick, Jr. 2,628,238, Feb. 10.
Dimethyl hydrogen phosphite, Manufacture of. T. B. Hauie and J. O. Iverson. 2,631,161, Mar. 10.
Dimethyl-phosphoric acid amide and its production. R. M. Ishain. 2,662,095, Dec. 8.
Dimethyl silicon dichloride, Production of. A. J. Barry and J. W. Gilkey. 2,647,912, Aug. 4.
Dimpling apparatus and procedure for hollow parisons. J. R. Haden. 2,655,766, Oct. 20.
Di-nitrogen containing di-carboxylic acids. J. D. Spivack. 2,644,826, July 7.
Diode gate. L. W. Hussey. 2,636,133, Apr. 21.
Diolefin copolymer rubber plasticized with tough styrene-isobutylene copolymers. M. H. Mahan. 2,631,139, Mar. 10.
Diolefins from olefins, Production of. C. R. Noddings, G. W. Waldron, and J. W. Corey. 2,641,619, June 9.
Dioxo-piperidines. K. Hoffmann and E. Tagmann. 2,664,424, Dec. 29.
Dip stick wiper. G. D. Barnes. 2,654,109, Oct. 6.
Dipper, Excavating. A. H. Brolin, H. A. W. Kamholtz, and B. E. Blanchard. 2,652,940, Sept. 22.
Dipping apparatus, Ice-cream cone. A. D. Campbell. 2,642,029, June 16.
Dipping form, Preparing a. W. D. Timmons. 2,631,108, Mar. 10.
Diphenylamine, Manufacture of. R. H. Nimmo. 2,645,662, July 14.
Diphenylamine, Production of. G. T. Johannesen. 2,656,389, Oct. 20.
Diphenyl-dimethyl-aminovaleramide. M. E. Speeter. 2,647,926, Aug. 4.
Diplexer arrangement. I. E. Goldstein. 2,661,424, Dec. 1.
Diplexer arrangement. O. M. Woodward, Jr. 2,632,108, Mar. 17.
Diprimary diamines, Preparation of. P. Arthur, Jr. 2,647,146, July 28.
Di-quaternary salts of 4-amino-6-(2'-amino pyrimidyl-4'-amino) quinazoline and preparing same. F. H. S. Curd and E. H. P. Young. 2,643,253, June 23.
Direct coupled modulation system. R. L. Meisenheimer. 2,654,072, Sept. 29.
Direct current balance adjustment. M. Maron. 2,631,199, Mar. 10.
Direct-current electric motor. G. H. Stoner, O. N. Becker, and H. Levinson. 2,626,366, Jan. 20.
Direct current electric power transmission system. F. Busemann. 2,651,016, Sept. 1.
Direct current supply system. G. W. Weber. 2,651,749, Sept. 8.
Direct feed automatically proportioning of chlorine gas, Means for. R. B. Everson. 2,647,083, July 28.
Direct lighting equipment. R. M. Runge and J. A. Pascucci. 2,654,830, Oct. 6.
Direct positive sound recording. A. C. Blaney and K. Singer. 2,467,169, July 28.
Direct production of steel from oxides of iron. R. D. Pike. 2,653,088, Sept. 22.
Direct push propulsion unit. J. D. M. Llamozas. 2,636,340, Apr. 28.
Direct-reading photoelectric exposure meter. J. L. Rifkin. 2,628,527, Feb. 17.
Direction sensing device. H. C. May. 2,655,938, Oct. 20.
Direction signal switch. C. W. Lincoln, P. B. Zeigler, and R. A. Malone. 2,657,287, Oct. 27.
Direction signal switch. C. W. Lincoln, P. B. Zeigler, J. J. Verbrugge and J. F. Sloan. 2,643,308, June 23.
Directional antenna system. W. E. Antony. 2,657,313, Oct. 27.
Directional coupler. S. Sensiper. 2,641,648, June 9.
Directional drilling. D. S. Johnston. 2,646,253, July 21.
Directional indicator. M. Carter. 2,640,972, June 2.
Directional relay control circuits for railway signaling systems. C. E. Staples. 2,625,649, Jan. 13.
Directional transmission line transducer. L. E. Norton. 2,644,928, July 7.
Directional turn indicator. R. W. Hept. 2,642,505, June 16.
Directional valve. E. O. Lunde. 2,647,536, Aug. 4.
Directivity control of X-rays. J. B. and J. A. Bartow and G. D. MacLaughlin, Jr. 2,638,554, May 12.
Direpeller and speed control therefor. E. Lagelbauer. Re. 23,639, Mar. 31.
Diresorcyl sulfoxide and preparing the same. A. P. Comer and R. G. D. Moore. 2,661,376, Dec. 1.
Dirt and snow moving attachment for tractors. B. F. Arps. 2,629,944, Mar. 3.
Dis- and polyazo dyestuffs and making same. O. Knecht and H. Ischer. 2,656,346, Oct. 20.
Disazo dyes, Metallized. J. H. Trepagnier. 2,630,431, Mar. 3.
Disazo dyestuffs. H. Ischer. 2,650,916, Sept. 1.
Disazo dyestuffs. M. Kappeler, W. Steinemann, and W. Wehrli. 2,646,338, July 21.
Disazo dyestuffs. G. Schetty. 2,650,915, Sept. 1.
Disazo dyestuffs containing copper. W. Anderau. 2,637,723, May 5.
Discharge apparatus. A. Orsini. 2,631,675, Mar. 17.
Discharge arrangement for agricultural loading machines. E. H. Appel. 2,626,698, Jan. 27.
Discharge device for can assorting machines. G. J. Palmer. 2,663,420, Dec. 22.
Discharge device for can weighing machines. G. M. Stone, 2,627,346, Feb. 3.
Discharge device for finely divided fibrous material from a pressure system. H. S. Messing. 2,657,131, Oct. 27.
Discharge device for weighing mechanism. O. C., H. O., and O. Niederer. 2,646,168, July 21.
Discharge guide for corn elevators. E. Turek. 2,634,004, Apr. 7.
Discharge heads and handle supports for barrel pumps, Producing. E. P. Sundholm. 2,642,653, June 23.
Discharge mechanism for hydraulic separators. W. C. Laughlin. 2,629,496, Feb. 24.
Discharge outlet and closure assembly. G. B. Dorey. 2,646,006, July 21.
Discharge outlet for railway cars. G. B. Dorey. 2,638,060, May 12.
Discharge silencer and recoil compensator. C. P. Caulkins. 2,625,235, Jan. 13.
Discharging apparatus. A. M. Perrin. 2,648,425, Aug. 11.
Discharging solids and gases from a fluidized bed. C. E. Lesher. 2,654,699, Oct. 6.
Disconnect coupling. G. H. Anderson. 2,646,294, July 21.
Disconnect switch. H. F. Burmeister. 2,662,133, Dec. 8.
Discontinuous drying using a heating and a cooling cycle, Method and apparatus for. E. O. Emanuel af Geijerstam. 2,649,789, Aug. 25.
Discriminator improvement to reduce audio-frequency noise. J. C. O'Brien. 2,644,084, June 30.
Disengagement of gases from a moving bed of fluent solid particles. R. Kollgaard. 2,628,893, Feb. 17.
Disengagement of gases from fluent solid particles. R. C. Lassiat and R. M. Shirk. 2,636,805, Apr. 28.
Disengagement of gases from fluent solid particles. R. M. Shirk. 2,643,161, June 23.
Disengagement of gases from fluent solid particles in the conversion of hydrocarbons, Process and apparatus for the. J. W. Barker. 2,647,859, Aug. 4.
Disengaging mechanism for multiple nut runners. H. B. Taylor. 2,651,228, Sept. 8.
Dish. H. W. Clarke. 2,656,946, Oct. 27.
Dish cabinet. M. E. Rasmussen. 2,635,027, Apr. 14.
Dish, Covered serving. H. M. Maersch. 2,627,991, Feb. 10.
Dish draining and drying rack. R. Abt. 2,632,568, Mar. 24.
Dish holder for kitchen cupboards. C. M. Johnson. 2,633,997, Apr. 7.
Dish rack. C. S. Marasigan. 2,629,498, Feb. 24.
Dishrack. L. E. Van Hise. 2,646,809, July 28.
Dish, Serving. F. La Greca. 2,650,485, Sept. 1.
Dish structure, Sump-drained. R. Hudson. 2,655,016, Oct. 13.
Dishwasher. T. F. Allen. 2,641,270, June 9.
Dishwasher. G. B. Fox and D. A. Meeker. 2,644,473, July 7.
Dishwasher. J. H. Spragins. 2,664,094, Dec. 29.
Dishwasher. L. E. Van Hise. 2,652,844, Sept. 22.
Dishwasher and article intercepting drawer therefor. M. Cavicchioli. 2,627,863, Feb. 10.
Dishwasher, Automatic domestic. E. F. Wheeler. 2,645,235, July 14.
Dishwasher, Smooth impeller. H. M. Rumbaugh. 2,624,356, Jan. 6.
Dishwasher, Under-counter. J. W. McNairy. 2,661,750, Dec. 8.
Dishwasher with a removable and split water deflector. L. A. Davis. 2,629,392, Feb. 24.
Dishwashing apparatus. O. J. Borngesser, R. B. Bradshaw, and C. C. Smith. 2,647,528, Aug. 4.
Dishwashing apparatus. C. P. Duffy. 2,626,622, Jan. 27.
Dishwashing apparatus. H. F. Lyman. 2,655,164, Oct. 13.
Dishwashing apparatus and cabinet structure. F. A. Walker. 2,657,697, Nov. 3.
Dishwashing apparatus having provision for automatically controlling flow of liquid. J. F. R. Karlstrom. 2,631,059, Mar. 10.
Dishwashing apparatus provided with centrifugal separation sump. F. A. Walker. 2,657,695, Nov. 3.
Dishwashing machine. E. M. Bewen. 2,634,736, Apr. 14.
Dishwashing machine. W. Butler. 2,647,527, Aug. 4.
Dishwashing machine. W. E. Frech. 2,649,100, Aug. 18.
Dishwashing machine. A. W. Haas. 2,633,399, Mar. 31.
Dishwashing machine. J. T. Hellyer. 2,641,268, June 9.
Dishwashing machine. L. A. and D. A. James. 2,660,185, Nov. 24.
Dishwashing machine. D. W. Korns. 2,646,056, July 21.
Dishwashing machine. J. G. Ruspino. 2,648,588, Aug. 11.
Dishwashing machine. H. C. Sway. 2,654,377, Oct. 6.
Dishwashing machine. J. O. Wagner. 2,633,140, Mar. 31.

Dishwashing machine. F. G. Walker. 2,629,390, Feb. 24.
Dishwashing machine and activating means therefor. H. F. Lyman. 2,655,163, Oct. 13.
Dishwashing machine and method. R. H. Hunter and E. J. Kasper. 2,642,369, June 16.
Dishwashing machine with vertically movable door. C. R. Lewis and R. J. Taggart. 2,640,536, June 2.
Disinfectant dispenser. H. L. Gordon. 2,644,167, July 7.
Disintegrating and conveying chain. J. F. Joy. 2,650,812, Sept. 1.
Disintegrating mechanism, Side board-equipped. S. Leven. 2,659,586, Nov. 17.
Disk accessory, Sanding. J. R. O'Neil, Jr. 2,644,280, July 7.
Disk and opposed anvil cracking and grinding machine. C. R. Snook and J. J. Gallagher. 2,631,626, Mar. 17.
Disk attachment for agricultural implements, Reversible. W. H. Tanke. 2,659,291, Nov. 17.
Disk blade gang. J. A. Love. 2,640,406, June 2.
Disk brake. F. E. Bachman. 2,655,236, Oct. 13.
Disk brake. R. K. Chamberlain. 2,657,772, Nov. 3.
Disk brake. C. L. Eksergian. 2,655,227, Oct. 13.
Disk brake. P. W. Hovey. 2,646,133, July 21.
Disk, Grinding. P. K. Fuller. 2,653,428, Sept. 29.
Disk harrow. J. E. Cruse. 2,648,184, Aug. 11.
Disk harrow. O. W. Domries. 2,633,686, Apr. 7.
Disk harrow. W. P. Oehler and C. H. Youngberg. 2,635,404, Apr. 21.
Disk harrow. A. E. Rutter. 2,663,132, Dec. 22.
Disk harrow. K. P. Ryan. 2,654,198, Oct. 6.
Disk harrow and scraper control mechanism. W. P. Oehler and C. H. Youngberg. 2,635,522, Apr. 21.
Disk harrow, Expansible. F. N. G. Kranick. 2,640,308, June 2.
Disk harrow, Flexible. J. F. Rude and A. V. Burch. 2,657,511, Nov. 3.
Disk harrow gang and bearing. R. M. Kraus. 2,647,805, Aug. 4.
Disk harrow gang and frame connection. K. P. Ryan. 2,660,014, Nov. 24.
Disk harrow hitch and angling means. F. D. Sawyer. 2,638,726, May 19.
Disk harrow, Multiple lift type. J. P. Robertson. 2,640,307, June 2.
Disk harrow, Multiple lift type. J. P. Robertson. 2,646,657, July 28.
Disk knife slitting mechanism, Multibladed. H. A. Burdwood. 2,662,598, Dec. 15.
Disk plow, Power. F. E. Hoover. 2,624,254, Jan. 6.
Disk plow, Tractor mounted. L. C. Hester. 2,628,547, Feb. 17.
Disk plow wheeled frame. W. H. Silver and J. I. Cantral. 2,648,270, Aug. 11.
Disk relay, Thermostatic snap. G. C. Armstrong. 2,653,051, Sept. 22.
Disk rolling machine. L. H. and L. E. Goodell. 2,662,572, Dec. 15.
Disk terracer having a forward steerable gauge wheel, Tractor mounted. T. O. Flippin. 2,630,745, Mar. 10.
Disk type fluid pressure seal. A. Brunner. 2,656,680, Oct. 27.
Disk type potato vine cutter. J. Sisbc. 2,649,678, Aug. 25.
Disk unit, Rupture. E. Jones. 2,630,939, Mar. 10.
Disk valve pulse jet engine. W. E. Abel. 2,640,314, June 2.
Disk with embossed indicia, Spinning. F. E. Seale. 2,638,706, May 19.
Dismountable packaging box. R. Allavena. 2,661,110, Dec. 1.
Dispatching system for elevator cars. J. Suozzo. 2,634,827, Apr. 14.
Dispenser: *See*—
Adhesive tape dispenser.
Atomizing dispenser.
Automatic cigarette dispenser.
Automatic cosmetic dispenser.
Automatic poultry feed dispenser.
Beverage dispenser.
Bin dispenser.
Bobby pin dispenser.
Capsule dispenser.
Carbonated beverage dispenser.
Cigarette dispenser.
Coffee dispenser.
Coin dispenser.
Coin-operated ticket dispenser.
Collapsible tube dispenser.
Condiment dispenser.
Cup dispenser.
Detergent dispenser.
Disinfectant dispenser.
Feed dispenser.
Filter-aid dispenser.
Flint dispenser.
Flush tank disinfectant dispenser.
Gasket dispenser.
Gummed tape dispenser.
Liquid dispenser.
Liquid metering dispenser.
Liquid soap dispenser.
Loose-leaf sheet dispenser.
Mercury dispenser.
Multiorifice sanitary tooth paste dispenser.
Mustard dispenser.
Package dispenser.
Popcorn dispenser.
Portable frozen confection dispenser.
Razor blade dispenser.
Refrigerated beverage dispenser.
Refrigerated dispenser.
Roll paper dispenser.
Safety razor blade dispenser.
Salt dispenser.
Sanitary cream dispenser.
Seasoning dispenser.
Self-leveling dispenser.
Self-measuring milk dispenser.
Single dose cavity dispenser.
Single-edge blade dispenser.
Soap dispenser.
Sterile brush dispenser.
Straw dispenser.
Tablet dispenser.
Tape dispenser.
Tape measuring dispenser.
Tissue dispenser.
Tobacco dispenser.
Tooth paste dispenser.
Tooth powder dispenser.
Water dispenser.
Dispenser. V. J. Aruth. 2,644,072, June 30.
Dispenser. A. G. Goodnight. 2,653,068, Sept. 22.
Dispenser. A. Heinz and J. Hoegermeyer. 2,657,836, Nov. 3.
Dispenser. P. Martin. 2,639,678, May 26.
Dispenser. W. C. Smith. 2,648,429, Aug. 11.
Dispenser and applicator, Tape. I. Kaplan. 2,663,444, Dec. 22.
Dispenser and container, Disposable tissue. M. B. Smith. 2,640,587, June 2.
Dispenser and distributor, Powder. R. F. Berndt. 2,643,032, June 23.
Dispenser and recorder, Metering liquid. J. P. Arena. 2,647,660, Aug. 4.
Dispenser base, Adjustable. H. S. Ayton. 2,635,845, Apr. 21.
Dispenser bracket. M. J. Manetti and D. James. 2,648,516, Aug. 11.
Dispenser cathode. B. B. Brown. 2,647,216, July 28.
Dispenser circulatory device. C. C. Bauerlein. 2,653,802, Sept. 29.
Dispenser closure top with pouring spout and slidable closure. R. Bernhardt. 2,657,837, Nov. 3.
Dispenser construction, Measuring. R. W. Keiter. 2,630,250, Mar. 3.
Dispenser for attached powder puff, Powder. R. G. Gobin. 2,664,226, Dec. 29.
Dispenser for book matches. B. H. Locke. 2,626,848, Jan. 27.
Dispenser for catsup and the like having a valve-controlled outlet in conjunction with a plunger. J. Covitt and V. L. Stafford. 2,636,647, Apr. 28.
Dispenser for collapsible tube containers, Hydraulic. W. M. Houldsworth. 2,638,251, May 12.
Dispenser for collapsible tubes. N. M. Koob. 2,660,339, Nov. 24.
Dispenser for collapsible tubes. R. H. Teal. 2,643,795, June 30.
Dispenser for collapsible tubes, Automatic. W. M. Houldsworth. 2,638,250, May 12.
Dispenser for collapsible tubes having a slotted roller and a rounded edge cooperating therewith. J. S. Clark. 2,643,028, June 23.
Dispenser for condiments or the like. L. Caretto. 2,655,288, Oct. 13.
Dispenser for cylindrical articles. G. Nystedt. 2,642,328, June 16.
Dispenser for disks, pads, gaskets, and sheetlike members. E. R. Couden. 2,639,959, May 26.
Dispenser for drinking straws. T. R. Reece. 2,657,109, Oct. 27.
Dispenser for ejecting and severing gummed tape. L. H. Semler. 2,642,936, June 23.
Dispenser for granular materials. C. B. Overbaugh. 2,650,742, Sept. 1.
Dispenser for lipsticks and the like. C. M. Tursky. 2,626,049, Jan. 20.
Dispenser for liquids and pulverulent materials. D. Brody. 2,627,363, Feb. 3.
Dispenser for merchandise, Selective. M. R. Williams. 2,636,795, Apr. 28.
Dispenser for paste or the like, Fountain. G. R. Mahoney. 2,625,302, Jan. 13.
Dispenser for poison grain and the like. T. Lahonen. 2,663,464, Dec. 22.
Dispenser for pressure-sensitive tape. O. P. Erhardt. 2,647,745, Aug. 4.
Dispenser for pressure-sensitive tape. A. P. Krueger. 2,647,746, Aug. 4.
Dispenser for rolls of cotton. P. V. Mancini. 2,645,543, July 14.
Dispenser for self-adhesive tape. W. H. Donkin. 2,640,656, June 2.
Dispenser for solid free flowing material, Metering. W. B. Peterson. 2,628,002, Feb. 10.
Dispenser for thick and viscous liquids. A. L. Bobrick. 2,645,386, July 14.
Dispenser for toothpaste and like materials. J. A. Chokae. 2,664,225, Dec. 29.
Dispenser for viscous material. H. M. Hosmer. 2,634,024, Apr. 7.
Dispenser for washing machines, Soap and detergent. W. J. Frank. 2,653,618, Sept. 27.
Dispenser having a winding key and rollers, Collapsible tube contents. C. A. Lane. 2,642,205, June 16.
Dispenser having tooth-brush-receiving recesses, Toothpaste. P. M. Bryant. 2,633,271, Mar. 31.
Dispenser, opener, and releaser, Bobby pin. A. J. Belisle and R. G. Belile. 2,633,138, Mar. 31.
Dispenser with lockable ball and removable cartridge, Ball applicator type. J. W. Gilchrist. 2,632,193, Mar. 24.
Dispenser with spring pressed follower. W. K. Martin. 2,652,949, Sept. 22.
Dispensers and packaging therefor, Liquid infant food. J. J. Horan. 2,628,913, Feb. 17.

Dispensing and distributing device for finely divided materials. W. H. Neff. 2,643,798, June 30.
Dispensing and measuring apparatus, Liquid or gas. L. A. Carriol and J. G. A. M. J. Meyer. 2,630,940, Mar. 10.
Dispensing and mixing valve. F. and R. Welty. 2,653,055, Sept. 22.
Dispensing apparatus. H. S. Childers. 2,633,958, Apr. 7.
Dispensing apparatus. O. J. Eide, J. A. Johnson, and C. F. Milkwick. 2,625,952, Jan. 20.
Dispensing apparatus. H. R. Talmage. 2,658,240, Nov. 10.
Dispensing apparatus. C. A. Watts. 2,625,283, Jan. 13.
Dispensing apparatus, Automatic. W. E. Saxe. 2,625,301, Jan. 13.
Dispensing apparatus, Beverage. H. H. Hamlin. 2,655,858, Oct. 20.
Dispensing apparatus, Beverage. W. Von Stoeser. 2,657,628, Nov. 3.
Dispensing apparatus, Coin-controlled beverage. E. J. St. Laurence. 2,627,369, Feb. 3.
Dispensing apparatus control system, Food. W. I. Bendz. 2,663,477, Dec. 22.
Dispensing apparatus, Fluid. L. B. St. Petery, W. B. Howard, and C. F. Fischer. 2,630,347, Mar. 3.
Dispensing apparatus for coffee-making and dispensing machines, Cream. E. J. Lime. 2,652,176, Sept. 15.
Dispensing apparatus for measuring and delivering a plurality of liquids. F. Mantell. 2,639,060, May 19.
Dispensing apparatus having protected quantity control mechanism and counter, Liquid. A. J. Granberg. 2,655,285, Oct. 13.
Dispensing apparatus, Ticket. M. E. Adams. 2,639,148, May 19.
Dispensing article, Glue. S. B. Carstensen. 2,646,879, July 28.
Dispensing assembly for envelope handling machines, Glue. W. R. Williamson. 2,659,280, Nov. 17.
Dispensing attachment for bottles. A. L. Voight. 2,662,670, Dec. 15.
Dispensing attachment for food container cans. S. M. Briggs. 2,638,249, May 12.
Dispensing beverages, Method and means for. E. M. and H. H. Stein. 2,630,259, Mar 3.
Dispensing box. C. S. Adorney, L. D. Gill, and J. G. McIlvain, Jr. 2,654,525, Oct. 6.
Dispensing caps for bottles. J. Parziale and R. P. White. 2,641,376, June 9.
Dispensing closure. P. J. Murphy. 2,625,306, Jan. 13.
Dispensing closure. A. E. Smith. 2,653,610, Sept. 29.
Dispensing closure and container. J. W. Starner. 2,660,344, Nov. 24.
Dispensing closure for bottles which can be locked in closed condition. W. W. Mays. 2,625,303, Jan. 13.
Dispensing closure for containers, Adjustable. W. H. Henderson. 2,658,658, Nov. 10.
Dispensing container. D. Waber and R. Braunstein, Jr. 2,645,336, July 14.
Dispensing device. P. Alexander. 2,631,757, Mar. 17.
Dispensing device. J. Flaws, Jr. 2,649,655, Aug. 25.
Dispensing device. J. Gabler. 2,635,789, Apr. 21.
Dispensing device. L. M. Keefe. 2,643,929, June 30.
Dispensing device. G. W. Mason and B. D. Gee. 2,647,625, Aug. 4.
Dispensing device. J. W. Rich. 2,656,953, Oct. 27.
Dispensing device. J. A. Valentine. 2,629,614, Feb. 24.
Dispensing device. A. Ziska. 2,635,025, Apr. 14.
Dispensing device, Card. P. Berg. 2,637,609, May 5.
Dispensing device for boxes containing granular materials. E. L. Edwards. 2,630,251, Mar. 3.
Dispensing device for calking material and the like. W. A. Sherbondy. 2,634,889, Apr. 14.
Dispensing device for glycerin. S. I. Griglak. 2,632,618, Mar. 24.
Dispensing device, Liquid. E. A. Daley, H. J. Mueller, and B. F. Bracy. 2,643,792, June 30.
Dispensing device, Liquid. E. S. Higginbotham. 2,639,944, May 26.
Dispensing device, Liquid. T. L. Titus. 2,649,276, Aug. 18.
Dispensing device, Liquid. R. W. Woodward. 2,631,755, Mar. 17.
Dispensing device, Multipurpose tape. P. Balaban. 2,652,205, Sept. 15.
Dispensing device, Powder. K. E. Sutton. 2,631,763, Mar. 17.
Dispensing device, Sample. R. B. Roos. 2,627,972, Feb. 10.
Dispensing device, Tape. G. H. Boyd. 2,645,286, July 14.
Dispensing device, Tissue. J. Mandel. 2,634,855, Apr. 14.
Dispensing end closure for powder cans, Rotary sift-proof. R. Nyden and H. K. Dickerman. 2,635,791, Apr. 21.
Dispensing fixture, Double-acting liquid. M. Smolensky. 2,655,179, Oct. 13.
Dispensing gun. F. C. Moore and W. E. Mattox. 2,624,338, Jan. 6.
Dispensing gun with means for inserting removable containers. W. E. Sherbondy. 2,634,888, Apr. 14.
Dispensing liquids, Means for. C. L. Gebauer and T. Shimrock. 2,639,052, May 19.
Dispensing machine. J. Halahan, T. F. Aronson, and F. A. Lyon. 2,658,656, Nov. 10.
Dispensing machine, Coin. R. J. Labbe. 2,644,470, July 7.
Dispensing machine, Follower type ice-cram. S. R. Gates. 2,631,761, Mar. 17.
Dispensing machine for beverages having plural ingredients. G. S. Harris, Jr. 2,658,645, Nov. 10.
Dispensing machine for packaged articles. C. Wilder. 2,634,185, Apr. 7.
Dispensing machine, Ice cream. A. J. Murphy. 2,638,064, May 12.
Dispensing machine, Ice-cream stick. R. H. Bloxham. 2,658,652, Nov. 10.
Dispensing machine, Stick. R. F. Anderson. 2,645,398, July 14.
Dispensing magazine, Blade. V. R. Bailey. 2,643,763, June 30.
Dispensing magazine, Blade. N. Testi. 2,646,874, July 28.
Dispensing magazine, Blade. N. Testi. 2,655,257, Oct. 13.
Dispensing magazine for safety razor blades. N. Testi. 2,636,596, Apr. 28.
Dispensing means for fountain brushes. H. W. Appell. 2,661,874, Dec. 8.
Dispensing means for fountain toothbrushes. J. Hausner. 2,634,025, Apr. 7.
Dispensing mechanism, Automatic. W. E. Saxe. 2,659,563, Nov. 17.
Dispensing mechanism, Battery separator. J. K. Shannon and R. R. Schmit. 2,639,824, May 26.
Dispensing mechanism, Fertilizer. A. G. Buhr. 2,656,073, Oct. 20.
Dispensing mechanism, Sheet-material. E. J. Friday. 2,652,302–3, Sept. 15.
Dispensing mechanism, Tape. A. P. Krueger. 2,650,433, Sept. 1.
Dispensing mechanism with blade guard, Tape. O. P. Erhardt. 2,663,369, Dec. 22.
Dispensing pack for interfolded sheet material. C. A. Henderson. 2,656,916, Oct. 27.
Dispensing package. F. L. Broeren. 2,624,521, Jan. 6.
Dispensing package for liquids. J. M. Wheaton. 2,630,944, Mar. 10.
Dispensing razor handle. S. Rosenzweig. 2,632,446, Mar. 24.
Dispensing spool of adhesive tape and supporting enclosure therefor. H. Lathrop. 2,647,700, Aug. 4.
Dispensing system, Article. P. L. Law. 2,646,217, July 21.
Dispensing system, Article. T. S. Skillman. 2,657,858, Nov. 3.
Dispensing system, Article. T. S. Skillman and P. L. Law. 2,652,301, Sept. 15.
Dispensing system, Fluid. H. E. Helgis. 2,630,867, Mar. 10.
Dispensing system for airplanes, Gasoline. A. E. Watts, Jr., and J. R. Parker. 2,642,957, June 23.
Dispensing tip for gas-pressure containers. H. Pyenson. 2,660,132, Nov. 24.
Dispensing-type barrel enclosure. A. H. Patch. 2,626,200, Jan. 20.
Dispensing unit, Feather. P. W. Behr. 2,653,744, Sept. 29.
Dispensing unit, Refrigerated liquid. A. J. Cohen, S. Levine, M. Caminear, and S. S. Price. 2,639,724, May 26.
Dispensing valve. J. E. Horner. 2,634,753, Apr. 14.
Dispensing vessel, Nondrip fluid. J. G. Heim. 2,664,230, Dec. 29.
Dispersed getter element and manufacture thereof. L. F. Britten, R. O. Jenkins and J. Moss. 2,624,450, Jan. 6.
Dispersing a substance in a liquid, Process and apparatus for. F. J. Fontein and A. L. de Gelder. 2,653,801, Sept. 29.
Dispersing an immiscible pigment in viscose solution. P. van Dijk and H. A. Schrenk. 2,650,168, Aug. 25.
Dispersing and felting fibers and mill. T. C. Duvall. 2,646,381, July 21.
Dispersing apparatus. D. D. Forbes. 2,645,464, July 14.
Dispersing materials in water. J. De Ment. 2,637,536, May 5.
Dispersion mill. F. A. Sullivan. 2,654,541, Oct. 6.
Displacement type sampler. W. J. Leas. 2,645,289, July 14.
Displacing continuously a flexible band of solid material through a liquid treating chamber, Method of and apparatus for. M. Giros. 2,651,104, Sept. 8.
Display advertising and illuminating device. D. Charleston. 2,650,054, Aug. 25.
Display and delivery device. L. P. Shield. 2,649,207, Aug. 18.
Display and storage structure. M. Rostau. 2,625,456, Jan. 13.
Display apparatus. O. D. McNeill. 2,640,289, June 2.
Display apparatus. O. B. Paulson. 2,637,131, May 5.
Display apparatus. J. Taddonio. 2,637,923, May 12.
Display apparatus, Changeable. F. E. Tuttle and W. Bornemann. 2,635,374, Apr. 21.
Display arrangement. A. Davison. 2,652,514, Sept. 15.
Display attachment for electric light bulbs. D. C. Ober. 2,652,653, Sept. 22.
Display booth and transporting chest, Combined folding. R. L. Wintersteen. 2,631,915, Mar. 17.
Display box. W. H. Swan. 2,659,490, Nov. 17.
Display box. L. D. Young. 2,660,294, Nov. 24.
Display cabinet. E. F. Bjoro and J. M. Fisher. 2,631,916, Mar. 17.

Display cabinet. H. J. Fitzgerald and H. S. Berry. 2,642,329, June 16.
Display cabinet. S. E. Woo. 2,628,877, Feb. 17.
Display card. E. L. King. 2,651,421, Sept. 8.
Display card for bracelets and the like. W. Krust. 2,656,919, Oct. 27.
Display card for spectacles. M. Hollis. 2,656,917, Oct. 27.
Display card, Greeting. G. J. and B. Klein. 2,661,559, Dec. 8.
Display card holder. E. R. Coyle and J. V. Cox. 2,650,444, Sept. 1.
Display card, Spectacles. M. Hollis. 2,656,918, Oct. 27.
Display case. H. A. Alheit. 2,636,797, Apr. 28.
Display case. F. S., H. C. R., and N. F. W. Holderle. 2,661,996, Dec. 8.
Display case for wrist-watch bands. L. H. Knibb. 2,649,956, Aug. 25.
Display container. E. Feder. 2,646,875, July 28.
Display container. J. Williams. 2,636,631, Apr. 28.
Display device. E. E. Broz. 2,649,970, Aug. 25.
Display device. J. A. Fine. 2,651,862, Sept. 15.
Display device. H. H. Hutt. 2,637,924, May 12.
Display device. S. S. Joslyn. 2,663,527, Dec. 22.
Display device. D. E. Lindsay. 2,653,783, Sept. 29.
Display device. B. E. Nibert. 2,629,187, Feb. 24.
Display device. E. Nigg. 2,632,271, Mar. 24.
Display device. H. J. Notes. 2,635,763, Apr. 21.
Display device. R. B. Ochsner. 2,639,528, May 26.
Display device. C. Vasquez. 2,651,116, Sept. 8.
Display device. J. C. Vida. 2,639,518, May 26.
Display device. V. G. Walsh. 2,628,722, Feb. 17.
Display device. D. G. Watrous and J. Doig. 2,631,078, Mar. 10.
Display device and mailing piece, Combination. P. S. Miller. 2,654,970, Oct. 13.
Display device, Animated. S. Toth. 2,646,639, July 28.
Display device, Automatic three-dimensional. H. M. Riley and A. Huether. 2,639,525, May 26.
Display device, Can stacking. N. Paul. 2,661,097, Dec. 1.
Disposal device for cigars, cigarettes, and like waste materials. C. L. Hooker, Jr. 2,663,504, Dec. 22.
Display device for merchandise carrying cards and the like. R. E. Girouard. 2,626,061, Jan. 20.
Display device for tires, Advertising. P. E. Heal. 2,654,168, Oct. 6.
Display device, Garment. Z. Udvardy. 2,639,844, May 26.
Display device, Inventory aging. C. R. Scordo and G. W. and F. L. Wassell. 2,640,457, June 2.
Display device, Picture. S. G. Malby. 2,661,560, Dec. 8.
Display device, Rug. H. L., A., and D. Rubin. 2,651,127, Sept. 8.
Display device, Transparency. J. W. Gandee. 2,646,636, July 28.
Display device with interchangeable characters. S. Kall. 2,624,143, Jan. 6.
Display fixture, Magazine. L. E. Beal. 2,664,206, Dec. 29.
Display frame. N. Burr. 2,641,858, June 16.
Display means. L. D. Grenot. 2,643,474, June 30.
Display mount. B. Abbott. 2,638,299, May 12.
Display package, Cake. H. G. Grant. 2,630,915, Mar. 10.
Display package kit. H. J. Stern. 2,639,805, May 26.
Display package, Mailable. G. C. Sparks. 2,646,876, July 28.
Display placard, Animated. J. G. Ferrier. 2,658,304, Nov. 10.
Display rack. A. W. Reed. 2,633,249, Mar. 31.
Display rack. H. J. Rubenstein. 2,626,060, Jan. 20.
Display rack. C. L. Stevens. 2,652,154, Sept. 15.
Display rack. S. S. Tunis. 2,631,802, Mar. 17.
Display rack support. M. Beauvais and G. A. C. Bey. 2,646,175, July 21.
Display rail. G. E. Hill. 2,663,879, Dec. 29.
Display sign. R. E. Fox. 2,639,529, May 26.
Display sign. J. Teitelbaum. 2,648,537, Aug. 11.
Display sign and making the same. M. H. Phillippi. 2,624,967, Jan. 13.
Display stand. F. W. Andrews. 2,649,960, Aug. 25.
Display stand. C. O. Larson. 2,650,717, Sept. 1.
Display stand. F. L. Lowmaster. 2,648,442, Aug. 11.
Display stand. B. Weil. 2,649,972, Aug. 25.
Display stand with alarm system. B. Needlman. 2,626,388, Jan. 20.
Display structure, Knockdown. A. M. Tucker. 2,641,431, June 9.
Display support. J. Pine. 2,637,444, May 5.
Display support for containers. H. Hinkle. 2,643,082, June 23.
Disposable bottle container. N. A. Petter. 2,644,631, July 7.
Disposable fountain syringe and package containing the same. E. H. Edwards, Jr. 2,625,264, Jan. 13.
Disposal of caustic waste liquor from textile industry. W. R. Steele and J. V. McMahon. 2,632,732, Mar. 24.
Disposal of slime-bearing water. R. Chelminski. 2,656,118, Oct. 20.
Disposal of sludge from electrolytic preparation of sodium. B. E. Hodge. 2,649,413, Aug. 18.
Disproportionation of diethylbenzene. D. A. McCaulay and A. P. Lien. 2,644,017, June 30.
Disproportionation of silane derivatives. C. E. Erickson and G. H. Wagner. 2,627,451, Feb. 3.
Dissolver and sprinkler control device, Combined. N. R. Carlson. 2,630,346, Mar. 3.
Dissolving apparatus. G. M. Booth. 2,663,553, Dec. 22.
Dissolving ash containing sodium sulfide and sodium carbonate. R. S. Aries and A. Pollak. 2,642,399, June 16.
Dissolving metals and composition therefor. R. Springer and W. R. Meyer. 2,649,361, Aug. 18.
Dissolving solutes in liquids, Method and apparatus for. L. S. Hannibal. 2,649,203, Aug. 18.
Distance and speed indicating system. G. Guanella. 2,638,586, May 12.
Distillation method and apparatus. W. Untermann, K. Sondermann, and A. Milbers. 2,658,029, Nov. 3.
Distillation of aluminum from aluminum alloys. E. Scheuer. 2,625,472, Jan. 13.
Distillation of amyl alcohols from ketone-containing mixtures. A. Steitz, Jr., H. Grekel, T. Q. Eliot, and J. C. Weaver, Jr. 2,642,388, June 16.
Distillation of aviation gasoline components. J. G. Browder. 2,638,412, May 12.
Distillation of cyclopentanone from 2-methyl-1-butanol and 3-methyl-1-butanol. T. Q. Eliot and J. C. Weaver, Jr. 2,662,847, Dec. 15.
Distillation of fatty acids, tall oil, and the like. R. H. Potts and R. N. Olson. 2,627,500, Feb. 3.
Distillation of oil-shale. E. S. Pettyjohn. 2,656,308, Oct. 20.
Distillation of solid carbonaceous materials. L. S. Kassel. 2,637,683, May 5.
Distillation of solids, Process and apparatus for the. W. A. Rex and H. H. Vickers. 2,664,389, Dec. 29.
Distillation of sweetened petroleum distillates. R. D. Barr. 2,636,842, Apr. 28.
Distillation of tars and like liquid hydrocarbons. T. O. Wilton. 2,640,013, May 26.
Distillation process for separating butyraldehyde from ethyl acetate. T. Q. Eliot. 2,638,442, May 12.
Distilling method. J. Loumiet et Lavigne. 2,643,220, June 23.
Distilling process and apparatus. J. Loumiet et Lavigne. 2,636,846, Apr. 28.
Distilling solid hydrocarbonaceous material. F. W. Leffer. 2,639,263, May 19.
Distortion analyzing apparatus. H. F. Olson and D. F. Pennie. 2,629,000, Feb. 17.
Distortionless electrical resolver. W. H. Newell, H. F. McKenney, and L. J. Scheuer. 2,646,218, July 21.
Distributing and feeding mechanism. J. W. Carter. 2,625,255, Jan. 13.
Distributing and venting header. H. M. Goheen. 2,652,069, Sept. 15.
Distributing bucket for adjustable angle booms. R. F. Lindow. 2,656,056, Oct. 20.
Distributing device for powdered or granular material. B. P. Allersma. 2,647,756, Aug. 4.
Distributing insecticides or fungicides and steam jet-driven helicopter for performing same. F. L. U. Doblhoff. 2,659,556, Nov. 17.
Distributing machine, Typographical. L. Rossetto and G. F. Squassoni. 2,663,406, Dec. 22.
Distributing viscous liquids and heavy slurries, Method and apparatus for. J. W. Angstadt. 2,659,630, Nov. 17.
Distributing wax in cemented carbide powders. L. Porges and S. T. Sawyer. 2,642,230, June 16.
Distribution of solids in air. J. M. Crom. 2,637,539, May 5.
Distribution of supplies to laundry washers. A. Erlanger. 2,647,384, Aug. 4.
Distribution for inlet gas. A. H. Friedman. 2,654,659, Oct. 6.
Distributor. F. Nelson. 2,638,515, May 12.
Distributor and making the same. H. P. Luhn. 2,649,513, Aug. 18.
Distributor apparatus for cinder and the like. A. S. Weigel. 2,632,559, Mar. 24.
Distributor breaker plate. H. O. Woods. 2,632,818, Mar. 24.
Distributor for bituminous and like material. G. M. Etnyre. 2,629,629, Feb. 24.
Distributor head for grain tubes. R. A. Gerber. 2,657,782, Nov. 3.
Distributor heater. S. A. Wilkie. 2,660,656, Nov. 24.
Distributor plate. L. L. Brunk. Re. 23,749, Dec. 1
Distributor, Rotary control oil or grease. W. D. Brockman. 2,628,636, Feb. 17.
Distributor stabilizer. J. A. McKenna. 2,641,660, June 9.
Disubstituted aminoethylcyclohexanones. J. A. Hogg, J. Korman, W. B. Reid, Jr., and A. H. Nathan. 2,655,537, Oct. 13.
Disubstituted derivatives of 6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. V. Papesch and E. F. Schroeder. 2,650,922, Sept. 1.
Disubstituted derivatives of 2-thio-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. V. Papesch. 2,650,924, Sept. 1.
Disubstituted propargyl acetoacetates and decarboxylation of same, Preparation of. W. Kimel and N. W. Sax. 2,661,368, Dec. 1.
Disulfide ring compounds and polymerization thereof. F. O. Davis. 2,657,198, Oct. 27.
Disulfoxides. W. A. Proell. 2,658,038, Nov. 3.

Ditch digging attachment for vehicles. R. Booton and G. C. Bower. 2,645,043, July 14.
Ditch forming and lining implement. C. H. Palmer. 2,645,091, July 14.
Ditching and cable laying machine, Elevatable and tiltable. F. B. Ryan. 2,647,758, Aug. 4.
Ditching knife for wheel-type ditch diggers. F. W. Zowaski. 2,652,641, Sept. 22.
Ditching machine, Endless conveyer. R. N. Bennett. 2,641,070, June 9.
Ditching plow adjustment mechanism. J. Schwindt. 2,651,858, Sept. 15.
Dithiocarbamates and derivatives thereof. L. B. Tewksbury, Jr., and S. S. Heikkila. 2,640,834, June 2.
Dithiophosphate esters. J. H. Fletcher and E. I. Hoegberg. 2,630,451, Mar. 3.
Dithiophosphate esters. E. I. Hoegberg. 2,632,020, Mar. 17.
Diuretic mercury compounds. A. Halpern. 2,636,045, Apr. 21.
Divan with shiftable back. N. E. Blanke and H. J. Sands. 2,656,548, Oct. 27.
Diversity frequency shift reception. J. B. Atwood. 2,624,834, Jan. 6.
Diversity system. G. J. Rabuteau. 2,629,816, Feb. 24.
Diverter for pneumatic conveyers, Automatic. R. J. Childress. 2,644,722, July 7.
Diverter for pneumatic conveyers, Automatically resetting. D. E. Schaetzel and R. J. Childress. 2,649,339, Aug. 18.
Diverter valve. G. C. Detlefsen. 2,624,364, Jan. 6.
Dividend aligning mechanism. G. C. Ellerbeck. 2,653,762, Sept. 29.
Dividend aligning mechanism. G. W. Hopkins. 2,653,763, Sept. 29.
Dividend aligning mechanism. A. B. Machado and F. J. Pruellage. 2,653,765, Sept. 29.
Divider for cheese molds. M. F. Pullen. 2,625,877, Jan. 20.
Divider for sickle bars, Adjustable. H. L. Schwartz. 2,632,991, Mar. 31.
Dividing wheel having movable blades for pinching off portions of relatively advancing ribbon of dough or the like. C. D. Rice. 2,629,341, Feb. 24.
Division aligner. G. W. Hopkins. 2,653,764, Sept. 29.
Dobby chain. W. B. Harris. 2,624,373, Jan. 6.
Dockboard. D. C. Law. 2,659,914, Nov. 24.
Dock bridge. W. E. Palmer. 2,626,411, Jan. 27.
Dock construction, Loading. A. E. Rowe. 2,644,971, July 14.
Dock, Loading. I. V. K. Hott and W. L. Simonton. 2,643,010, June 23.
Dock plate. R. M. Nelson. 2,629,120, Feb. 24.
Dock, Transportable. F. J. Melges. 2,652,694, Sept. 22.
Document-actuated device for effectively delaying a switching interval. J. F. Egan. 2,649,517, Aug. 18.
Document feed means for flow film photographic apparatus. W. W. Eaton and H. T. Olson. 2,632,360, Mar. 24.
Document straightening means for photographic copying apparatus. N. J. Rosenburgh. 2,656,186, Oct. 20.
Dodecenylcyclohexylamines. R. S. Cook and W. E. Craig. 2,653,170, Sept. 22.
Doffer assembly, Cotton picker. L. P. Millard. 2,654,202, Oct. 6.
Doffer for mechanical cotton pickers, Bonded. H. F. Parkerton. 2,654,203, Oct. 6.
Doffing mechanism for ring spinning, doubling, and twisting machines. J. J. Haythornthwaite. 2,648,947, Aug. 18.
Doffing mechanism for ring spinning, doubling, and twisting machines. J. J. Haythornthwaite. 2,661,589, Dec. 8.
Doffing mechanism for spinning machines. C. W. Greene. 2,628,468, Feb. 17.
Doffing ring frames, Means for. H. Partington. 2,653,440, Sept. 29.
Dog training device, Bird. J. R. Stuart. 2,642,036, June 16.
Doily package. W. A. Roehm. 2,663,415, Dec. 22.
Doily pin. P. L. Brattain and S. H. Rips. 2,636,238, Apr. 28.
Doll. M. F. Murray. 2,635,882, Apr. 21.
Doll and doll pocket therefor. B. O. Gladstein. 2,628,452, Feb. 17.
Doll, Animated. H. P. Stewart. 2,648,161, Aug. 11.
Doll, Animated dancing. J. A. Russ. 2,629,966, Mar. 3.
Doll, Animated motor actuated walking. A. Romano. 2,644,273, July 7.
Doll, Changeable feature. E. W. Baggott. 2,661,572, Dec. 8.
Doll construction. D. Ippolito. 2,663,971, Dec. 29.
Doll construction. V. A. Patterson. 2,647,342, Aug. 4.
Doll eye. S. Rose. 2,627,701, Feb. 10.
Doll eye and lid mechanism, Power-operated. G. H. Jentzen. 2,660,830, Dec. 1.
Doll eye, Escapement-controlled movable. G. R. Ratcliff. 2,638,710, May 19.
Doll eye, Transparent. H. W. Samolewitz. 2,657,500, Nov. 3.
Doll eyes. B. L. Samuels and O. Doster. 2,662,340, Dec. 15.
Doll, Gravity-actuated movable. C. Schiller. 2,641,866, June 16.
Doll, Multifaced. W. L. Paul. 2,662,339, Dec. 15.
Doll, Musical. J. B. and C. H. Schuettenbelm. 2,627,699, Feb. 10.
Doll or manikin joint. F. P. Monaghan. 2,649,806, Aug. 25.
Doll or the like. W. J. Schepp. 2,656,647, Oct. 27.
Doll package. L. F. Hinz. 2,636,597, Apr. 28.
Doll, Puppet. D. Burke. 2,655,762, Oct. 20.
Doll, Sound producing. H. Wolfe. 2,653,412, Sept. 29.
Doll stage construction. H. C. and E. P. Doran. 2,637,138, May 5.
Doll, Winking sounding. E. A. Brown and C. W. Johnson. 2,633,667, Apr. 7.
Doll with dress ensemble. M. B. Haskell. 2,642,697, June 23.
Doll with inflated balloon head. C. H. Guischard. 2,635,386, Apr. 21.
Doll with movable members, Drinking. I. Cohn. 2,644,272, July 7.
Doll with sound effects, Drinking and wetting. G. W. Belts. 2,653,411, Sept. 29.
Doll's eye, Movable. J. L. Lee. 2,663,972, Dec. 29.
Dolly for handling furniture. F. J. McNamara. 2,627,425, Feb. 3.
Dolly for handling single and dual truck wheels. O. E. Lewis. 2,644,597, July 7.
Dolly for multiple hydraulic jacks. J. A. Griffin. 2,636,715, Apr. 28.
Dolly for rolled materials such as carpeting. L. H. Best and O. W. Johnson. 2,656,050, Oct. 20.
Dolly for supporting tractor front wheels. A. H. Stanley and L. E. Maynard. 2,661,856, Dec. 8.
Dolly for trailers, Front wheel. E. C. McDaniel. 2,634,986, Apr. 14.
Dolly frame for material-conveying elevators. V. C. Belt. 2,646,157, July 21.
Dolly or trailer assembly. P. O. Parks. 2,639,926, May 26.
Dolly, Pressroom. J. V. Sick. 2,631,006, Mar. 10.
Dolly, Table moving. G. C. Ireland. 2,636,626, Apr. 28.
Dolly, Tire carting. C. Wedel. 2,640,615, June 2.
Dolly, Towing. J. C. Hale. 2,628,733, Feb. 17.
Dolly, Traction motor. T. Rogatchoff. 2,644,406, July 7.
Domestic apparatus. A. M. Hess. 2,630,922, Mar. 10.
Domestic appliance. C. F. Abresch. 2,639,600, May 26.
Domestic appliance. C. F. Abresch. 2,664,050, Dec. 29.
Domestic appliance. R. R. Candor. 2,647,385, Aug. 4.
Domestic appliance control. F. H. McCormick and R. R. Candor. 2,630,515, Mar. 3.
Domestic heating boiler. R. W. Boarman, 2,633,106, Mar. 31.
Donning mechanism for ring spinning, doubling, and twisting machines. J. J. Haythornthwaite and T. Haighton. 2,658,325, Nov. 10.
Door: *See*—
Balanced door.
Bumper-operated garage door.
Elevator shaft door.
Fabricated flush door.
Freely translatable sliding door.
Furnace door.
Fuselage embracing hanger door.
Gun blast door.
Inner boxcar door.
Laterally movable car door.
Laterally movable door.
Metal door.
Mixing machine discharge door.
Motor operated sectional sliding door.
Overhead door.
Sliding door.
Swinging door.
Door, R. Katz. 2,644,554, July 7.
Door actuator, Automatic. J. L. and W. J. Morgan. 2,639,142, May 19.
Door actuator, Overhead. B. Ritter. 2,637,550, May 5.
Door adjusting mechanism. S. H. Hobson and T. Lane. 2,630,605, Mar. 10.
Door and drawer assembly for cooking ranges. K. S. Jenson and W. N. Nelson. 2,633,841, Apr. 7.
Door and drawer assembly for cooking ranges. W. N. Nelson and L. C. Griffin. 2,627,264, Feb. 3.
Door and hardware therefor, Sliding. P. M. Haley. 2,632,926, Mar. 31.
Door and rack, Broiler. R. B. Hurt. 2,649,085, Aug. 18.
Door and sealing means therefor, Refrigerator car. T. Madland and W. A. Beauchamp. 2,632,214, Mar. 24.
Door and window, Combined. W. C. Watkins. 2,637,878, May 12.
Door and window, Combined. W. C. Watkins. 2,638,190, May 12.
Door apparatus, Vertically sliding. C. J. Lane. 2,648,587, Aug. 11.
Door arm, Safety. J. J. Vaughn. 2,639,143, May 19.
Door assembly and holder mechanism. A. Schwartz. 2,643,420, June 30.
Door assembly, Sealed. B. Gross. 2,635,785, Apr. 21.
Door biasing structure. R. J. Carbary. 2,634,465, Apr. 14.
Door brake. E. D. Kearney. 2,638,619, May 19.
Door buck and trim, Adjustable. A. Alvarez, Jr. 2,651,813, Sept. 15.
Door check. J. P. Guttormsen. 2,658,231, Nov. 10.
Door check. K. Kolbus. Re. 23,652, May 5.
Door check and holding device. R. I. Schonitzer. 2,627,624, Feb. 10.
Door check and holding device. R. I. Schonitzer. 2,639,460, May 26.

Door checking and holding device. S. J. Galla. 2,645,810, July 21.
Door closer. I. O. Altenburger. 2,634,454, Apr. 14.
Door closer. B. N. Carlson. 2,653,043, Sept. 22.
Door closer. M. Kalthoff. 2,636,210, Apr. 28.
Door closer. H. J. Turney. 2,645,806, July 21.
Door closer. W. W. Werner. 2,639,459, May 26.
Door closer with constant flow orifice. R. M. Conklin and A. Scharf. 2,629,127, Feb. 24.
Door closing device. W. H. Clewell. 2,640,609, June 2.
Door closing device, Adjustable. G. W. and R. E. Slopa. 2,651,074, Sept. 8.
Door closing device, Double-action. H. H. Pancake. 2,640,610, June 2.
Door closing means for load discharging cars. G. B. Dorey. 2,640,437, June 2.
Door closing mechanism, Hopper car. W. F. Batho and O. A. Wallace. 2,630,769, Mar. 10.
Door closure and seal, Magnetic. V. E. Mark and L. L. Anderson. Re. 23,636, Mar. 24.
Door construction. C. W. Kelly. 2,627,632, Feb. 10.
Door construction. J. C. Petterson. 2,660,766, Dec. 1.
Door construction, Automobile. E. L. Blackman. 2,647,790, Aug. 4.
Door construction, Automobile power-operated sliding. H. A. Darrin. 2,628,860, Feb. 17.
Door construction, Folding. F. J. Hoke and R. W. Reynolds. 2,649,150, Aug. 18.
Door construction for tumbler type washing machines. P. P. Glassey. 2,650,490, Sept. 1.
Door construction for vehicle bodies, Sliding. C. O. Scott. 2,658,792, Nov. 10.
Door construction for washing machines, Sliding. H. P. Petersen. 2,648,458, Aug. 11.
Door construction for wide doorways, Folding. F. A. and H. F. Guth. 2,658,571, Nov. 10.
Door construction forming bed portion, Vehicle. K. S. Sidel. 2,661,233, Dec. 1.
Door construction, Hollow. L. Joyce. 2,630,606, Mar. 10.
Door construction, Hollow metal. E. Boughton. 2,664,181, Dec. 29.
Door construction, Refrigerator. L. A. Philipp. 2,642,630, June 23.
Door construction, Refrigerator. G. W. and R. E. Slopa. 2,652,601, Sept. 22.
Door construction, Sheet metal. W. J. Williams and C. A. Anderson. 2,664,182, Dec. 29.
Door construction, Vehicle. C. C. Fish and A. H. Haberstrump. 2,658,790, Nov. 10.
Door control for the rear lifting mechanism of two post lifts. I. V. K. Hott and K. E. Berk. 2,655,224, Oct. 13.
Door control means, Dump car. E. O. Lunde. 2,647,472, Aug. 4.
Door control mechanism. E. L. Allen. 2,650,846, Sept. 1.
Door control mechanism. E. L. Allen. 2,658,781, Nov. 10.
Door control mechanism. E. L. Allen. 2,658,783, Nov. 10.
Door control mechanism, Vent. C. W. French. 2,660,944, Dec. 1.
Door control, Swinging. W. S. Edwards. 2,650,386, Sept. 1.
Door controller. R. H. Milton. 2,646,590, July 28.
Door corner. R. S. Wisok. 2,661,822, Dec. 8.
Door fastener. G. E. Dath. 2,627,950, Feb. 10.
Door for automobiles, Composite. M. Watter and W. S. Eggert, Jr. 2,650,857, Sept. 1.
Door for darkrooms. W. R. Winkler. 2,662,253, Dec. 15.
Door for filling stations and the like, Overhead. O. L. Meek. 2,633,353, Mar. 31.
Door for hopper cars, Individually operated. O. Ingram. 2,638,061, May 12.
Door for refrigerator display cases, Service. E. Swedman and H. J. Strobush. 2,652,305, Sept. 15.
Door for transit concrete mixers, Charging. R. M. Henderson. 2,659,514, Nov. 17.
Door for tumbler type clothes washing machines, Swingable. H. Miller. Re. 23,727, Oct. 27.
Door for tumbler type clothes washing machines, Swingable. H. Miller. 2,639,601, May 26.
Doorframe. L. L. Lester, Jr. 2,651,814, Sept. 15.
Doorframe. J. J. Steffan. 2,661,084, Dec. 1.
Door frame. J. Sylvan. 2,642,966, June 23.
Doorframe. F. H. Walterman and J. P. Malmrose. 2,660,272, Nov. 24.
Door-frame setting gauge. A. J. Kronquist. 2,636,282, Apr. 28.
Door hanger and check device for trucks, Sliding. P. D. Harvey. 2,656,215, Oct. 20.
Door hanger wheel. L. R. Rissler. 2,632,199, Mar. 24.
Door hanging gauge. M. F. Buttram. 2,637,910, May 12.
Door holder. R. A. Fisk. 2,647,782, Aug. 4.
Door holder. E. H. Sherman. 2,629,617, Feb. 24.
Door jamb for storm and screen doors, Adjustable. C. S. Murch. 2,626,433, Jan. 27.
Doorkey fastener. E. C. Griesbach. 2,638,773, May 19.
Doorknob actuated lock. O. S. Smith. 2,639,177, May 19.
Doorknob and tubular spindle assembly. R. C. Cerf, Jr. 2,660,466, Nov. 24.
Doorknob spindle securing means. R. C. Cerf, Jr. 2,627,436, Feb. 3.
Door latch. B. N. Carlson. 2,660,765, Dec. 1.
Door latch. C. S. Comey and M. F. Saxton. 2,638,771, May 19.
Door latch. E. D. Dall. 2,658,780, Nov. 10.
Door latch. A. A. Dedoes. 2,657,085, Oct. 27.
Door latch. H. W. Falk. 2,636,761, Apr. 28.
Door latch. E. S. Hewitt. 2,626,824, Jan. 27.
Door latch. T. Kanell. 2,649,324, Aug. 18.
Door latch. T. L. D. Lynxwiler. 2,655,027, Oct. 13.
Door latch. J. H. Roethel. 2,637,581, May 5.
Door latch. W. E. Wolfe. 2,627,433, Feb. 3.
Door latch. C. M. Woodward. 2,627,434, Feb. 3.
Door latch mechanism. H. W. Sanford. 2,624,292, Jan. 6.
Door latch operating mechanism. E. N. Jacobi. 2,660,046, Nov. 24.
Door latch tripping mechanism. H. W. Sanford. 2,645,368, July 14.
Door latching mechanism. W. A. Endter. 2,625,420, Jan. 13.
Door lining. M. R. Jönsson. 2,639,472, May 26.
Door lock. H. T. Backhouse. 2,631,878, Mar. 17.
Door lock. A. E. Chesler. 2,651,934, Sept. 15.
Door lock. T. C. Dingman and J. W. Jamieson. 2,624,606, Jan. 6.
Door lock. G. Hagstrom. 2,662,387, Dec. 15.
Door lock. C. L. Heizmann. 2,633,732, Apr. 7.
Door lock. C. A. Hilligren. 2,662,386, Dec. 15.
Door lock. C. A. Hilligren. 2,662,388, Dec. 15.
Door lock. J. D. Lealle and C. H. Schamel. 2,641,495, June 9.
Door lock. H. Quigley. 2,632,664, Mar. 24.
Door lock. N. F. Robertson. 2,645,516, July 14.
Door lock. J. H. Roethel. 2,629,618, Feb. 24.
Door lock. J. H. Roethel. 2,637,580, May 5.
Door lock. J. H. Roethel. 2,637,582–3, May 5.
Door lock. J. H. Roethel. 2,646,300, July 21.
Door lock. E. L. Schlage. 2,629,250, Feb. 24.
Door lock. E. L. Schlage. 2,650,121, Aug. 25.
Door lock. G. W. Wardwell, Jr. 2,640,345, June 2.
Door lock. N. A. Welch. 2,630,697, Mar. 10.
Door lock. R. H. Wise. 2,634,149, Apr. 7.
Door lock retainer. H. Burdick. 2,629,248, Feb. 24.
Door mounting. R. C. Parkes. 2,644,989, July 14.
Door opener and closer. H. E. Rosebrook. 2,634,970, Apr. 14.
Door opener and closer, Car. G. W. Merritt. 2,643,855, June 30.
Door opener, Automatic. D. E. Davis. 2,634,124, Apr. 7.
Door opener, Garage. G. E. Reed. 2,641,467, June 9.
Door opening and closing mechanism. R. E. Peterson. 2,624,569, Jan. 6.
Door opening apparatus. C. A. Koenig and A. E. Weigele. 2,638,340, May 12.
Door operated switch. K. Bame. 2,651,689, Sept. 8.
Door operated switch. M. G. Carter. 2,636,091, Apr. 21.
Door operating mechanism. H. F. Martin. 2,628,831, Feb. 17.
Door operating mechanism, Dump. G. B. Dorey. 2,641,200, June 9.
Door operating mechanism for bakers' ovens. L. D. Houlis. 2,628,832, Feb. 17.
Door operator, Electric. W. Hamilton. 2,661,945, Dec. 8.
Door operator, Electric garage. W. J. Verdier. 2,628,090, Feb. 10.
Door operator having automatic means for manual operation, Automatic. C. W. Bassett, J. H. Vander Veer, and A. E. Weigele. 2,646,981, July 28.
Door operator mechanism, Elevator. W. C. Clift. 2,633,932, Apr 7.
Door or hopper, Chute intake. C. M. Wilkinson. 2,647,605, Aug. 4.
Door peep observation device. G. H. Berleme. 2,638,810, May 19.
Doorpost construction. F. A. Saaf. 2,644,555, July 7.
Door protector and check. B. W. Wendt. 2,657,419, Nov. 3.
Door reinforcement means. A. Sheetman. 2,627,633, Feb. 10.
Door seal, Magnetic. L. L. Anderson and N. S. Waring. 2,659,114–15, Nov. 17.
Door seal, Magnetic. L. L. Anderson, N. S. Waring, and A. W. Korb. 2,659,118, Nov. 17.
Door seal, Magnetic. A. W. Korb. 2,659,116, Nov. 17.
Door service guard. L. Peters. 2,642,629, June 23.
Door slam muffler means. B. L. Fry. 2,639,461, May 26.
Doorstop. G. Civitelli. 2,638,620, May 19.
Doorstop. A. Dritz. 2,626,826, Jan. 27.
Doorstop, Adjustable. R. J. Wallen. 2,660,750, Dec. 1.
Door structure, Cabinet. F. R. Eck and W. L. Chambers. 2,640,230, June 2.
Door structure, Hollow panel. F. G. Konstandt. 2,633,439, Mar. 31.
Door structure, Overhead. C. R. Wolf. 2,643,714, June 30.
Door structure, Overhead. C. R. Wolf. 2,661,799, Dec. 8.
Door structure, Sliding. M. S. Karp. 2,644,205, July 7.
Door structure, Vertically movable vehicle. D. C. Surles. 2,651,541, Sept. 8.
Door supporting hardware, Garage. R. G. Johannsen. 2,652,584, Sept. 22.
Door system, Motor vehicle. A. Rappl. 2,628,091, Feb. 10.
Door wheel mount, Overhead. J. H. McKee. 2,656,561, Oct. 27.
Dosimeter. A. M. Moos. 2,664,511, Dec. 29.

Dot comparator. P. F. Borth. 2,657,611, Nov. 3.
Double-acting circular reciprocating electromagnetic motor. C. S. Weyandt. 2,662,193, Dec. 8.
Double-acting drill bit. J. E. Ortloff. 2,626,780, Jan. 27.
Double-acting hinge frame. C. W. Kujawa. 2,624,909, Jan. 13.
Double-acting lightning protector for electric installations. J. Cougnard. 2,629,765, Feb. 24.
Double-acting reciprocating pump. H. P. Maloney. 2,625,115, Jan. 13.
Double-acting valve. M. R. Suter. 2,641,276, June 9.
Double-ball gyro precession axis bearing. V. A. Tauscher, J. M. Slater, and J. Emmi. 2,644,727, July 7.
Double beam attachment for contour projectors. L. C. Nosco. 2,625,076, Jan. 13.
Double break switch. A. J. Huck. 2,647,177, July 28.
Double cone reel. F. M. Littell. 2,662,698, Dec. 15.
Double countershaft transmission. H. T. Youngren and S. V. Hettinger, Jr. 2,654,261, Oct. 6.
Double curtain or drapery rod bracket. H. Meiners. 2,661,923, Dec. 8.
Double-deck railway passenger car. J. F. Clary. 2,636,452, Apr. 28.
Double dog detent for two-motion switches. R. L. Huffman. 2,657,590, Nov. 3.
Double element setback lock. J. Rabinow. 2,625,881, Jan. 20.
Double-exposure prevention device. H. T. Hodges. 2,663,234, Dec. 22.
Double flow lubricated unit bearing. H. C. Bradley. 2,633,393, Mar. 31.
Double gate push-off spindle for phonographs. M. J. Pifer. 2,629,604, Feb. 24.
Double point ignition distributor. O. A. Dietsche. 2,624,810, Jan. 6.
Double-pole double-throw snap switch. W. A. Martin. 2,647,179, July 28.
Double reversing clutch. J. E. Benjamin. 2,635,726, Apr. 21.
Double row roller bearing. A. G. F. Wallgren. 2,658,807, Nov. 10.
Double-shelf unit. W. Isler. 2,657,811, Nov. 3.
Double snap molding clip. O. J. Poupitch. 2,631,345, Mar. 17.
Double speed motor. H. M. Robinson. 2,636,155, Apr. 21.
Douche appliance. J. H. Booth. 2,626,605, Jan. 27.
Douche composition. J. H. Wright and A. W. Lewing. 2,649,398, Aug. 18.
Dough-break. J. F. Naylor. 2,642,015, June 16.
Dough conditioning apparatus. H. T. Hunter and B. W. Wilson. 2,642,860, June 23.
Dough cutter. R. Shaw. 2,649,657, Aug. 25.
Dough divider. A. E. Hein and W. H. Klausing. 2,652,790, Sept. 22.
Dough former. T. E. Belshaw. 2,643,621, June 30.
Dough former. T. E. and W. R. Belshaw. 2,637,282, May 5.
Dough laminating apparatus. F. H. Hubbard. 2,627,822, Feb. 10.
Dough molder pressure board mounting. E. Martin. 2,636,455, Apr. 28.
Dough rolling apparatus. F. T. Wood. 2,650,552, Sept. 1.
Dough rolling device. E. L. Duskey. 2,633,815, Apr. 7.
Dough sheeting apparatus for bakery machines. D. Whitehead and J. F. Anetsberger. 2,655,118, Oct. 13.
Dough sheeting device for transverse sheeting. M. A. Sticelber. 2,642,012, June 12.
Dough slicing apparatus. J. F. and F. A. Anetsberger. 2,660,133, Nov. 24.
Dough transfer device for loaf molding apparatus. M. A. Sticelber. 2,647,612, Aug. 4.
Dough working and shaping machine. H. W. Sawyer and L. Gelly. 2,657,648, Nov. 3.
Doughnut cutter. W. R. Coyne. 2,635,560, Apr. 21.
Doughnut cutter and former. E. H. Nagel. 2,625,891, Jan. 20.
Dougnut former. E. J. Roth. 2,628,578, Feb. 17.
Doughnut handling apparatus. J. Kinzelman and F. A. Anetsberger. 2,639,049, May 19.
Dowel bar adjusting and aligning device. J. N. Heltzel. 2,636,426, Apr. 28.
Dowel, Expansion. F. L. Nettleton. 2,654,297, Oct. 6.
Dowel pin cutting and beveling machine. C. L. Johnson. 2,639,739, May 26.
Downdraft burner. J. E. McCutchen. 2,637,376, May 5.
Downdraft diminishing means for chimneys. W. T. Anderson. 2,635,526, Apr. 21.
Downdraft diverter. R. E. James and A. J. Lampert. 2,660,998, Dec. 1.
Draft and buffer rigging for vehicles. V. S. Danielson and W. D. Wallace. 2,638,353, May 12.
Draft arrangement. C. E. Tack, F. E. Bachman, and F. H. Kayler. 2,642,195, June 16.
Draft attachment. H. H. Wolfe. 2,638,233, May 12.
Draft control. E. A. Field. 2,624,513, Jan. 6.
Draft control, Automatic Venturi. C. M. Bickham. 2,636,519, Apr. 28.
Draft control mechanism. T. W. Bohmker. 2,654,301, Oct. 6.
Draft device, Self-adjusting tractor-trailer. E. F. Duffy. 2,640,710, June 2.
Draft diverter. B. R. Reed. 2,640,413, June 2.
Draft equalizer for tractor implement hitches. H. Metzger. 2,659,286, Nov. 17.
Draft gear. J. R. Cardwell. 2,636,620, Apr. 28.
Draft gear. L. M. Clark and S. H. Fillion. 2, Aug. 25.
Draft gear. R. C. Pierce. 2,646,894, July 28.
Draft gear. H. E. Tucker. 2,655,270, Oct. 13.
Draft key retainer. E. H. Blattner. 2,638,809,
Draft preventing attachment for doors. C. E. K 2,625,718, Jan. 20.
Draft responsive safety control for oil burners Russel. 2,656,884, Oct. 27.
Draft rigging for vehicles. V. S. Danielson and Wallace. 2,664,300, Dec. 29.
Draft seal. R. J. Menzies. 2,638,641, May 19.
Draft system, Induced. L. J. Hersh. 2,635,565,
Drafting board with carrying case, Portable. Sterling. 2,632,683, Mar. 24.
Drafting device. O. Klabunde. 2,632,975, Mar.
Drafting frame. A. E. Winslow. 2,624,077, Jan.
Drafting implement. E. E. Kellems. 2,643,458,
Drafting machine. A. L. Baker. 2,644,238, July
Drafting machine. C. W. Keuffel and A. L. 2,638,675, May 19.
Drafting machine. C. H. Little. 2,662,291, Dec
Drafting mechanism for textile fibers. J. 2,645,823, July 21.
Drafting of textile fibers. G. H. Ambler. 2, June 9.
Drafting table. J. F. Joy. 2,652,657, Sept. 22.
Drafting table. W. R. Stults. 2,641,082, June 9
Drafting textile fibers. W. J. Cabana. 2,645,8 21.
Drag bucket and control therefor. L. Berner. 2, Feb. 24.
Drag controlled means for raising the blades of g disk plows. P. A. Ramsey. 2,628,548, Feb. 17
Drag hook. H. Fortin and A. J. Gosselin. 2, Aug. 18.
Dragging equipment detectors, Self-restoring. McGowan and R. A. Woods. 2,662,973, Dec. 1
Dragline bucket and boom control. J. W. Page. 2 Apr. 7.
Dragline scraper. R. Henderson and W. K. Mc 2,634,521, Apr. 14.
Drag scraper, Cable operated. T. C. Whisler. 2 Jan. 27.
Drag weight for covering and packing plant H. P. Holman. 2,659,289, Nov. 17.
Drain. F. D. Moyer. 2,657,821, Nov. 3.
Drain and flush valve. K. M. Adair. 2,627,871, F
Drain assembly. M. H. Chudnow. 2,659,900, No
Drainboard. W. H. Bowden. 2,658,205, Nov. 1
Drainboard and splash back. H. C. Morris. 2 Jan. 27.
Drain control mechanism for washing apparatus Stoddard. 2,652,854, Sept. 22.
Drain fitting for wash sinks and the like. M stein. 2,654,097, Oct. 6.
Drain flusher and cleaning device. M. C. Keith. 2 Jan. 27.
Drain for sewage disposal systems. L. K. 2,637,170, May 5.
Drain for spin basket type washing machines J. C. Worst. 2,644,326, July 7.
Drain plug for pipe lines. O. O. Beymer. 2 Aug. 4.
Drain receptacle for bottle cleaning shot. G. H 2,636,208, Apr. 28.
Drain spout for refrigerator cars. J. S. 2,624,419, Jan. 6.
Drain, Surface. A. A. Baker. 2,629,457, Feb. 24
Drain trough cover. A. L. Harris. 2,636,458, A
Drain valve. M. S. Lipman. 2,655,932, Oct. 2
Drainage control system. L. J. Martiniak and J senberry. 2,662,536, Dec. 15.
Drainage fitting. L. N. Boosey. 2,626,674, Jan.
Drainage leaf attachment means for leaf type fi P. De Vries. 2,656,930, Oct. 27.
Drainage pile. A. P. Jourdain. 2,659,208, Nov.
Drainage system for airports and highways and C. J. Heltzel. 2,649,720, Aug. 25.
Drainage tube. O. W. Schmidt and W. C. 2,663,997, Dec. 29.
Drainer basket and receptacle support, Combina H. Planeta. 2,655,267, Oct. 13.
Drainer, Strainer-equipped condensation. C. W. 2,636,506, Apr. 28.
Draining and flushing apparatus, Crankcase. G. and T. L. Hendry. 2,635,756, Apr. 21.
Drape and fixture for hanging the same. M. C 2,648,379, Aug. 11.
Drapery. M. Gordon. 2,627,918, Feb. 10.
Drapery. R. Whewell. 2,625,689, Jan. 20.
Drapery clamp. B. B. Coulter. 2,633,321, Ma
Drapery, drapery heading, and supporting means E. S. Atkins. 2,638,978, May 19.
Drapery hook. P. Levine. 2,647,574, Aug. 4.
Drapery hook holding device. F. A. Venn. 2 July 21.
Drapery hook protective pocket. J. Wieczorek. 2 Sept. 29.
Drapery pleat construction. A. M. Freeman. 2 July 21.
Drapery support. J. A. Van Wie. 2,640,601, Ju

Drapery traverse rod. H. S. Rosenbaum. 2,633,911, Apr 7.
Draw bar actuating power amplifying apparatus. H. M. Olson. 2,651,207, Sept. 8.
Drawbar assembly. R. C. Fischer. 2,659,610, Nov. 17.
Drawbar carrier. J. C. Travilla, Jr. 2,646,895, July 28.
Drawbar, Harrow. B. Lee. 2,652,674, Sept. 22.
Drawbench. A. Kreidler. 2,659,480, Nov. 17.
Drawoff tensioning means for knitting machines. G. Bitzer. 2,653,461, Sept. 29.
Draw press feeding device. W. W. Collins. 2,663,275, Dec. 22.
Draw punch. J. C. Nischan. 2,633,197, Mar. 31.
Drawstring bags, Producing. P. B. Hultkrans. 2,656,769, Oct. 27.
Drawworks. J. B. Picard. 2,650,064, Aug. 25.
Drawworks feed control. J. G. Abraham. 2,650,796, Sept. 1.
Drawer. E. C. Hake. 2,630,363, Mar. 3.
Drawer construction. C. W. Straubel. 2,648,585, Aug. 11.
Drawer construction for reading chairs. L. J. FitzGerald. 2,652,887, Sept. 22.
Drawer construction, Sliding. C. M. Abrahamson and K. P. Grube. 2,646,333, July 21.
Drawer, Dashboard instrument. A. W. Di Loreto. 2,630,187, Mar. 3.
Drawer for autographic registers, Filing. C. J. Manuel. 2,632,685, Mar. 24.
Drawer for case goods, Full floating cushioned. C. A. Bissman. 2,664,334, Dec. 29.
Drawer guide. F. Cook. 2,627,447, Feb. 3.
Drawer guide. W. D. Meagher. 2,647,024, July 28.
Drawer mechanism for cash registers, Plural. K. Aurbach and A. Klaar. 2,650,023, Aug. 25.
Drawer mount with cushioned adapter glides. C. A. Bissman. 2,653,852, Sept. 29.
Drawer operating mechanism. C. F. Mayer. 2,630,927, Mar. 10.
Drawer operating mechanism, Cash. W. P. Loudon. 2,628,775, Feb. 17.
Drawer, Retainer bearing. L. Press. 2,653,072, Sept. 22.
Drawer retainer, Friction. R. H. Wilmer. 2,661,997, Dec. 8.
Drawer slide for cabinets. H. C. Soehner. 2,657,968, Nov. 3.
Drawing device, Child's. I. Stone. 2,640,280, June 2.
Drawing-head of spinning machines. J. P. Lemaire. 2,629,900, Mar. 3.
Drawing machine. L. R. Berkebil. 2,633,233, Mar. 31.
Drawing machine. O. M. Stone. 2,648,908, Aug. 18.
Drawing mechanism for spinning and roving frames. P. B. Tarbox and G. C. Anderson. 2,657,434, Nov. 3.
Drawing mechanism for textile machines, Double belt. K. H. Neu. 2,662,249, Dec. 15.
Drawing press. O. H. May. 2,664,191, Dec. 29.
Drawn articles, Producing. R. J. McKay. 2,637,686, May 5.
Dredge. F. G. Nielsen. 2,640,284, June 2.
Dredge bucket construction. T. C. Whisler. 2,641,855, June 16.
Dredge trommel. E. Olson. 2,654,481, Oct. 6.
Dress form. E. and J. D. Clawsey. 2,646,907, July 28.
Dress form. D. P. Wiesner. 2,657,843, Nov. 3.
Dress form, Enclosed retractable. G. M. Smith. 2,628,747, Feb. 17.
Dress, Shadowproof. H. G. Lewis. 2,635,244, Apr. 21.
Dress shield. W. S. Brightman. 2,654,888, Oct. 13.
Dressing beef cattle and the like. L. T. Force, G. Moore, and W. J. Hincks. 2,640,225, June 2.
Dressing fixture for contouring grinding wheels. W. Muench. 2,642,059, June 16.
Dressing helical grinding wheels, Method and apparatus for. J. J. Osplack. 2,659,357, Nov. 17.
Drier: *See*—
Centrifugal drier.
Clothes drier.
Collapsible clothes drier.
Condiment drier.
Delicate goods drier.
Drum drier.
Electric radiant heat drier.
Festoon drier.
Forced air drier.
Garment drier.
Gas-heated drier.
Grain drier.
Hair drier.
Low side drier.
Mow hay drier.
Multiple batch drier.
Oven drier.
Portable clothes drier.
Rice drier.
Rotary drier.
Rotary steam drier.
Sock drier.
Tobacco drier.
Turbulent flow, restricted passage drier.
Vehicle drier.
Yankee drier.
Drier. G. S. Clemens. 2,634,514, Apr. 14.
Drier. G. L. and M. M. Hurst. 2,627,670, Feb. 10.
Drier. H. F. Irving. 2,634,512, Apr. 14.
Drier. A. L. Ladd and M. L. Speckman. 2,634,513, Apr. 14.
Drier. C. P. Mann. 2,664,282, Dec. 29.
Drier. W. Messinger. 2,661,545, Dec. 8.
Drier. F. B. Pfeiffer. 2,626,519, Jan. 27.
Drier. A. Robertson. 2,632,961, Mar. 31.
Drier and coat hanger, Combined bootee. G. J. Kupchik. 2,630,950, Mar. 10.
Drier and method. D. L. Simon. 2,639,515, May 26.
Drier and restrictor for refrigeration systems, Combination. R. W. Ayres and D. F. Swanson. 2,628,484, Feb. 17.
Drier and room dehumidifier, Combined. R. R. Candor. 2,627,669, Feb. 10.
Drier drum. L. Hornbostel. 2,651,114, Sept. 8.
Drier for footwear. R. Rönning. 2,632,084, Mar. 17.
Drier for granular material. B. M. Hess. 2,660,810, Dec. 1.
Drier, kiln, and the like, Rotary. G. Bojner. 2,653,393, Sept. 29.
Dry backfire arrester. J. M. Hendry. 2,651,322, Sept. 8.
Dry battery and cell with improved anode. J. J. Coleman and M. E. Wilke. 2,632,782, Mar. 24.
Dry battery cell. G. B. Ellis. 2,625,575, Jan. 13.
Dry cell. R. D. Arbogast. 2,635,128, Apr. 14.
Dry cell. O. K. Reinhardt and J. Y. Welsh. 2,642,470, June 16.
Dry cell. O. K. Reinhardt and T. C. Stapleton. 2,642,471, June 16.
Dry cell. A. W. Simpson. 2,643,278, June 23.
Dry cell. W. B. Woodring. 2,632,781, Mar. 24.
Dry cell battery. A. M. MacFarland. 2,626,295, Jan. 20.
Dry cells and batteries, Making. J. J. Coleman and M. E. Wilke. 2,632,783, Mar. 24.
Dry cleaning apparatus. E. E. Hallander. 2,629,243, Feb. 24.
Dry cleaning apparatus. D. McDonald. 2,660,869, Dec. 1.
Dry cleaning apparatus utilizing volatile solvent, Closed system. W. L. Wellford, Jr. 2,639,599, May 26.
Dry cleaning system. E. A. Creswick. 2,630,694, Mar. 10.
Dry contact rectifier. R. A. Hill. 2,657,346, Oct. 27.
Dry gas meter. E. Butterworth and E. J. Hinchcliffe. 2,657,578, Nov. 3.
Dry gas meter. E. Butterworth and E. J. Hinchcliffe. 2,663,189, Dec. 22.
Dry gas meter. S. Simpson. 2,662,403, Dec. 15.
Drying human serum albumin and other heat sensitive biologically active proteins. J. H. Hink, Jr. 2,659,986, Nov. 24.
Dry kiln. R. A. Simmons. 2,627,671, Feb. 10.
Dry mounting press. T. H. Krueger. 2,643,699, June 30.
Dry mounting press with timing signals. T. H. Krueger. 2,644,151, June 30.
Dry picker for poultry. H. F. Hanscom. 2,638,623, May 19.
Dry pipe valve. A. C. Rowley. 2,644,479, July 7.
Dry-plate rectifier. W. M. Lacey. 2,647,227, July 28.
Dry powder conditioning and dispensing means. J. W. Baur and O. G. Plos. 2,648,466, Aug. 11.
Dry seal piston-type gas holder. J. H. Wiggins. 2,639,229, May 19.
Dry shaver. F. G. Slonek. 2,645,847, July 21.
Dry spinning apparatus. W. H. Hammond, L. C. Holt, and R. L. Schaefer. 2,636,217, Apr. 28.
Drying ammonium nitrate and like materials. E. Edmonds, Jr. 2,653,391, Sept. 29.
Drying apparatus. E. D. Spierer. Re. 23,674, June 30.
Drying apparatus for laundry work. H. C. A. Zwaard. 2,645,035, July 14.
Drying clothes, Method and means of. T. R. Smith. 2,633,646, Apr. 7.
Drying coated resistors. M. A. Thom. 2,664,364, Dec. 29.
Drying film by dielectric heating, Method and apparatus for. J. B. Cunningham and F. Wilburn. 2,662,302, Dec. 15.
Drying gelatin capsules. F. E. Stirn and A. S. Taylor. 2,638,686, May 19.
Drying granular vinyl ester polymers. L. M. Germain. 2,637,119, May 5.
Drying inks, Method and apparatus for. J. R. Gillis. 2,627,667, Feb. 10.
Drying lacteal fluids. R. E. Meade. 2,661,294, Dec. 1.
Drying machine. A. Traube. 2,655,735, Oct. 20.
Drying machine, Cloth. R. C. Parkes. 2,640,250, June 2.
Drying machine, Clothes. C. E. Erickson. 2,657,475, Nov. 3.
Drying machine conveyer and transfer mechanism. L. G. Kenney. 2,661,831, Dec. 8.
Drying machine for grass and other crops. J. Walsh and H. Dawson. 2,660,807, Dec. 1.
Drying of ceramic goods, Process and apparatus for the. G. M. J. Cremer. 2,658,285, Nov. 10.
Drying of vegetables. R. A. S. Templeton. 2,630,391, Mar. 3.
Drying oil and enamel paint and making same, Synthetic. A. H. Gleason. 2,652,342, Sept. 15.
Drying oil composition. R. H. Rosenwald. 2,630,438, Mar. 3.
Drying oil compositions. E. G. Marhofer and J. C. Hillyer. 2,653,956, Sept. 29.
Drying rack. F. A. Rauscher. 2,625,277, Jan. 13.
Drying resins from oil-modified alkyds and liquid polybutadiene. W. W. Crouch. 2,662,862, Dec. 15.
Drying rice in the field. C. H. Branstetter, Jr. 2,635,043, Apr. 14.
Drying system, Clothes. H. A. Whitesel. 2,660,806, Dec. 1.
Drying tenuous films. W. G. Taylor. 2,634,510, Apr. 14.
Drying wound packages. J. E. Phillips, Jr. 2,635,352, Apr. 21.
Drying wound textile package. H. P. Fry, Jr. 2,657,472, Nov. 3.

Drill: *See*—
Coal drill.
Earth drill.
Earth formation disintegrating drill.
Expansible drill.
Explosive drill.
Flare drill.
Hammer drill.
Horizontal rotary drill.
Impact drill.
Inserted tooth rock drill.
Lapidary drill.
Masonry drill.
Mining drill.
Paper drill.
Percussion drift drill.
Portable hand drill.
Rail drill.
Ratchet-type drill.
Rock drill.
Rotary drill.
Toy drill.
Drill. M. Graves. 2,640,379, June 2.
Drill aligning gauge. H. T. Jones. 2,635,348, Apr. 21.
Drill and expansible breaker mechanism, Combined. J. F. Joy. 2,634,113, Apr. 7.
Drill and gauge device, Dental. L. Linet. 2,634,501, Apr. 14.
Drill and making same, Crown. A. L. van der Heiden. 2,638,021, May 12.
Drill apparatus with safety control. A. B. Crichton, Jr., and C. G. Wennerstrom. 2,646,144, July 21.
Drill assembly, Rotary percussion. J. B. Baker. 2,628,115, Feb. 10.
Drill bit. E. G. Boice. 2,626,128, Jan. 20.
Drill bit. W. G. Green. 2,654,577, Oct. 6.
Drill bit. H. L. Kiess. 2,628,073, Feb. 10.
Drill bit and cutter blade, Expansible. J. R. Baker and E. H. Clark, Jr. 2,644,670, July 7.
Drill bit and cutter, Expansible rotary. J. R. Baker. 2,644,673, July 7.
Drill bit and cutter, Hook tooth rotary. A. W. Kammerer. 2,641,447, June 9.
Drill bit and cutter, Rotary. A. W. Kammerer. 2,663,546, Dec. 22.
Drill bit for double-flute augers, Core-breaking. O. Phipps. 2,648,525, Aug. 11.
Drill bit for rotary well drilling, Diamond. J. A. Zublin. Re. 23,632, Mar. 10.
Drill bit having groove with hard metal cutter insert brazed therein. J. B. Baker. 2,628,072, Feb. 10.
Drill bushing. D. A. Regimbald. 2,644,350, July 7.
Drill end sharpening means. E. C. Kapnick. 2,632,983, Mar. 31.
Drill grinding jig. H. C. Reading. 2,660,008, Nov. 24.
Drill guide. B. R. Heil. 2,625,062, Jan. 13.
Drill guide. N. L. Ward. 2,661,638, Dec. 8.
Drill head. G. O. Gridley. 2,630,723, Mar. 10.
Drill head. R. Lee. 2,663,202, Dec. 22.
Drill holder and work clamp, Electric. A. E. Hanson. 2,625,063, Jan. 13.
Drill hole gauge. J. C. Legrand. 2,639,512, May 26.
Drill jig. E. E. Mellstrup. 2,645,140, July 14.
Drill jig. J. H. Wheeler. 2,659,251, Nov. 17.
Drill jig, Universally adaptable. H. G. Altenburger. 2,651,951, Sept. 15.
Drill pipe protector. J. E. Hall, Sr. 2,657,956, Nov. 3.
Drill pipe wiper. V. H. Anderson. 2,654,906, Oct. 13.
Drill post. E. B. Lear. 2,626,023, Jan. 20.
Drill press attachment. D. N. Goldberg. 2,642,760–1, June 23.
Drill rig catwalk. T. I. Holley. 2,646,317, July 21.
Drill steel guide. C. F. Osgood. 2,648,523, Aug. 11.
Drill stem packer with deflating means. G. H. Ramsey. 2,637,401, May 5.
Drill tooth. W. E. Jaeger. 2,658,463, Nov. 10.
Drill with fluid coupling, Combined rotary and impact. R. E. Snyder. 2,641,445, June 9.
Drilling and cutting tool. F. E. Andersen. 2,632,951, Mar. 31.
Drilling and tanging machine. H. J. Houck and R. M. Morgan. 2,661,523, Dec. 8.
Drilling and tapping alignment jig, Magnetic. W. H. Wood, Jr. 2,661,641, Dec. 8.
Drilling apparatus. A. Arutunoff. 2,654,572, Oct. 6.
Drilling apparatus. J. F. Joy. 2,638,325, May 12.
Drilling apparatus. R. A. Lebner. 2,638,326, May 12.
Drilling apparatus, Mobile. J. C. Curtis. 2,646,968, July 28.
Drilling apparatus, Mobile. J. C. Curtis and H. F. Minnis. 2,644,669, July 7.
Drilling apparatus, Self-powered rotary. H. J. Ogorzaly and B. W. Sewell. 2,643,087, June 23.
Drilling bit. H. Gruner. 2,634,105, Apr. 7.
Drilling boreholes, Method and apparatus for. J. Moon. 2,641,444, June 9.
Drilling cutting plates. F. P. Hess. 2,625,846, Jan. 20.
Drilling device. J. M. Pestarini. 2,635,343, Oct. 13.
Drilling device, Directional. J. P. Caldwell. 2,631,821, Mar. 17.
Drilling equipment. J. M. Reynolds. 2,646,128, July 21.
Drilling equipment and well pipe cleaner. C. B. Reynolds. 2,642,942, June 23.
Drilling fluid composition. J. van Heiningen. 2,644,791. July 7.
Drilling fluid filter loss tester. M. B. Standing and J. F. Chittum. 2,646,678, July 28.
Drilling fluids and using same. C. R. Wagner, W. N. Axe, and C. M. Himel. 2,626,239, Jan. 20.
Drilling fluids and using the same. R. V. Jones. 2,631,128, Mar. 10.
Drilling glass sheets, Method and apparatus for. E. H. McLaughlin. 2,638,084, May 12.
Drilling hole packer. N. N. Freling and H. L. Edwards. 2,629,446, Feb. 24.
Drilling holes in rock formation at or below the earth's surface, Means for. H. L. Foster. 2,634,106, Apr. 7.
Drilling jar, Jet-type. W. S. Crake. 2,635,853, Apr. 21.
Drilling machine. R. G. Cudini. 2,633,762, Apr. 7.
Drilling machine. F. H. Mueller and J. J. Smith. 2,646,699, July 28.
Drilling machine. F. H. Mueller and J. J. Smith. 2,651,222, Sept. 8.
Drilling machine, Automatic. C. M. O'Leary. 2,634,099, Apr. 7.
Drilling machine, Heel. J. W. Ashley and J. F. Leahy. 2,642,103, June 16.
Drilling machine, Lens. J. A. de Armas. 2,657,596, Nov. 3.
Drilling machine, Self-propelled. R. L. Gallo. 2,639,895, May 26.
Drilling mechanism, Automatic. H. R. Adcock. 2,654,270, Oct. 6.
Drilling mechanism, Electric. C. M. O'Leary. 2,640,685, June 2.
Drilling mechanism, Rotary. C. W. Koch. 2,643,860, June 30.
Drilling method and apparatus. R. G. Peter. 2,643,094, June 23.
Drilling mud. P. W. Fischer and R. A. Rogers. 2,655,475, Oct. 13.
Drilling mud. R. A. Salathiel. 2,649,414, Aug. 18.
Drilling mud flow system. H. F. Griffin and R. R. Crookston. 2,632,631, Mar. 24.
Drilling rate indicating device. A. L. Smith. 2,628,498, Feb. 17.
Drilling rig. S. D. Gunning. 2,635,855, Apr. 21.
Drilling rig base. L. A. Whipple, Jr. 2,664,178, Dec. 29.
Drilling wells. C. F. Teichmann. 2,651,500, Sept. 8.
Drink mixer agitator. W. A. Ernst. 2,637,537, May 5.
Drinking attachment, Faucet. J. Bishop. 2,632,671, Mar. 24.
Drinking fountain, Animal actuated. A. F. Klinzing. 2,639,690, May 26.
Drinking fountain valve. W. L. Adkins. 2,648,306, Aug. 11.
Drinking glass construction. C. D. Newell. 2,660,039, Nov. 24.
Drinking glass holder. J. Liss. 2,632,320, Mar. 24.
Drinking tube. T. L. Jones. 2,646,311, July 21.
Drinking vessel with animated display. D. Rosenthal. 2,654,974, Oct. 13.
Drip arresting apparatus. C. B. Coleman. 2,650,003, Aug. 25.
Drip deflector. W. M. Bates, Jr. 2,648,107, Aug. 11.
Drip meter. R. K. Cutter. 2,648,333, Aug. 11.
Dripless steam shower pipe. J. H. Dupasquier. 2,642,314, June 16.
Drive and brake control for toy vehicle traction means. J. M. Johnston and C. B. Patterson. 2,633,370, Mar. 31.
Drive arm assembly. A. Musschoot, R. F. Bergmann, and C. M. Young, Jr. 2,644,344, July 7.
Drive axle mounted for swinging and rocking motion. F. P. Martin. 2,625,231, Jan. 13.
Drive capable of reverse rotation, Progressive variable speed. E. Testori. 2,653,490, Sept. 29.
Drive connection. H. L. Blydenburgh. 2,651,530, Sept 8.
Drive construction for phonographs or the like. S. Yerkovich. 2,664,293, Dec. 29.
Drive control means for rotary duplicating machines. C. A. Levin. 2,629,322, Feb. 24.
Drive control mechanism. E. R. Maurer. 2,648,414, Aug. 11.
Drive control system. J. P. Montgomery and W. T. Hunt, Jr. 2,629,846, Feb. 24.
Drive controlling means. C. F. Ball. 2,631,477, Mar. 17.
Drive cord tension device, Adjustable. H. Mendelson. 2,645,943, July 21.
Drive coupling of the permanent magnet type. I. V. Zozulin, G. J. Okulitch, G. M. Volkoff, V. J. Okulitch, and A. S. J. Ellett. 2,640,166, May 26.
Drive fastener support. L. J. Sklenar. 2,657,894, Nov. 3.
Drive for adjustable-axis mating rotors. J. R. Rosenleaf. 2,640,371, June 2.
Drive for brushing cylinders or rough rolls in teaseling machines. P. Kohl. 2,637,092, May 5.
Drive for conveyer belts. E. V. Rinehart. 2,631,718, Mar. 17.
Drive for fabric take-up roll of warp knitting machines, Variable-speed. H. C. Noe. 2,649,811, Aug. 25.
Drive for fluid handling devices of the rotary, positive displacement type. C. R. Houghton. 2,640,428, June 2.
Drive for forging furnaces. A. C. Howard. 2,625,385, Jan. 13.
Drive for magnetic tape. E. Berlant. 2,664,251, Dec. 29.
Drive for propellers. P. P. Newcomb. 2,652,730, Sept. 22.
Drive for sealing washers. C. F. Voytech. 2,624,600, Jan. 6.
Drive for sound recording and reproducing machines. E. Keller. 2,626,528, Jan. 27.
Drive for spinning and twisting frames, Change-over. R. W. Cutler. 2,655,782, Oct. 20.
Drive for washing and wringing unit. A. H. Hartmann. 2,624,203, Jan. 6.

Drive for winding mechanism. J. E. Godeck. 2,652,910, Sept. 22.
Drive means for double-ended socket wrenches. V. P. Carrick and W. B. Cates. 2,655,063, Oct. 13.
Drive mechanism. L. M. Barker. 2,647,752, Aug. 4.
Drive mechanism for clothes washing machines and the like. C. S. Dayton. 2,645,110, July 14.
Drive mechanism for guillotine knife bars. F. W. Seybold. 2,649,910, Aug. 25.
Drive mechanism for magnetic recorders. M. Camras. 2,659,541, Nov. 17.
Drive mechanism for phonograph turntables and tape mechanisms. H. L. Hartman. 2,625,827, Jan. 20.
Drive mechanism for shaker conveyers. E. R. Bergmann. 2,656,037, Oct. 20.
Drive mechanism for soil sampling apparatus. F. Marck. 2,625,835, Jan. 20.
Drive mechanism for washing machines and the like. C. S. Dayton. 2,629,469, Feb. 24.
Drive mechanism for washing machines and the like. T. T. Woodson. 2,657,783, Nov. 3.
Drive mechanism, Intermittently-variable. M. F. Campbell. 2,661,953, Dec. 8.
Drive mechanism, Irreversible. L. Ochtman. 2,659,466, Nov. 17.
Drive mechanism, Reversible. A. O. Hawkins. 2,634,629, Apr. 14.
Drive mechanism, Selective plural speed frictional. H. L. Hartman. 2,660,896, Dec. 1.
Drive-over metal cattle gate. V. M. Thede. 2,644,674, July 7.
Drive ring. J. Karitzky. 2,642,242, June 16.
Drive seal retainer. W. H. Manning and K. L. Hulsing. 2,653,728, Sept. 29.
Drive, Spring type one-way. E. A. Phaneuf. 2,633,950, Apr. 7.
Drive system for conveyers. T. B. Jochem. 2,652,919, Sept. 22.
Drive system for roller coasters. C. L. Cooper. 2,642,005, June 16.
Drive torque limiting device. R. E. Cherry. 2,659,220, Nov. 17.
Drive transmission for motor vehicles, Flexible. A. P. Turner and H. G. Blumberg. 2,647,416, Aug. 4.
Drive transmission for steerable tractor wheels. A. P. Balzer. 2,644,540, July 7.
Drive unit for domestic ironing machines and the like. J. F. Young. 2,654,222, Oct. 6.
Drive with electromagnetic gear couplings, Speed controllable. P. Volk and H. Spiesecke. 2,657,587, Nov. 3.
Driven nut. J. R. Russell. 2,624,386, Jan. 6.
Driven steering wheel. R. V. Hutchinson and M. A. Thorne. 2,649,922, Aug. 25.
Driver bits, Making. G. E. Jenney, Jr., H. F. Phipard, Jr., and F. K. Brown. 2,627,192, Feb. 3.
Driver for recessed head fasteners. H. F. Phipard, Jr. 2,646,829, July 28.
Driver for spools or bobbins. E. G. Crooks. 2,650,770, Sept. 1.
Driver for variable resistors. M. B. Arisman, A. J. Vaksvik, and R. W. Magnusen. Re. 23,750, Dec. 15.
Driving and aligning means for power-operated tools. R. W. Bailey and J. T. Faull. 2,628,646, Feb. 17.
Driving and locking means for apparatus having removable magazine. F. H. Owens. 2,661,162, Dec. 1.
Driving and supporting device for rotatable members. J. Chestley. 2,657,586, Nov. 3.
Driving apparatus. D. R. Andrews. 2,627,596, Feb. 3.
Driving arrangement and control for clothes-washing apparatus and the like. R. B. J. Hultberg. 2,655,241, Oct. 13.
Driving arrangement for juice extracting devices. S. Morey and S. L. Casella. 2,630,754, Mar. 10.
Driving belt. H. E. Ginder. 2,639,622, May 26.
Driving means for slicing machines. H. C. Grove. 2,663,341, Dec. 22.
Driving mechanism. I. Kalikow. 2,658,361, Nov. 10.
Driving mechanism. J. W. King and J. J. McNamee. 2,638,005, May 12.
Driving mechanism for beaming machines and like textile machines, Variable-speed. G. Lee. 2,636,249, Apr. 28.
Driving mechanism for material conveyers. H. J. and D. A. Raddatz. 2,660,263, Nov. 24.
Driving mechanism for phonographs. J. L. D. Morrison. 2,655,812, Oct. 20.
Driving mechanism for tremolos. C. P. Krueger. 2,637,213, May 5.
Driving mechanism for velocipedes and the like. E. E. Hood. 2,649,942, Aug. 25.
Driving mount for rotary shoe shining brushes, Releasable. C. E. Danielson. 2,634,143, Apr. 7.
Driving pile shells, Method and apparatus for. E. A. Smith. 2,639,589, May 26.
Drop bottom dumping vehicle. E. W. Light. 2,635,558, Apr. 21.
Drop out fuse switch. W. G. Milne and R. E. Jones. 2,655,576, Oct. 13.
Drop pit apparatus. L. H. Holdeman and H. K. Hybarger. 2,655,114–5, Oct. 13.
Drop pit apparatus. L. D. Holmes and R. S. Hammond. 2,652,784, Sept. 22.
Drop table. L. Richardson. 2,651,265, Sept. 8.
Dropper, Medicine. M. R. Fields. 2,651,437, Sept. 8.
Drum. E. Levay. 2,655,071, Oct. 13.
Drum blender, Rotary elastic. K. W. Lentz. 2,630,301, Mar. 3.
Drum cap and spigot assembly, Valved. J. R. Snyder. 2,630,131, Mar. 3.
Drum cap and valve assembly, Automatic venting. J. R. Snyder and F. J. Schenkelberger. 2,661,019, Dec. 1.
Drum, Collapsible. M. J. Bebech. 2,628,283, May 12.
Drum, Contractile. N. L. Herman. 2,630,278, Mar. 3.
Drum drier. W. J. Hahn. 2,635,353, Apr. 21.
Drum file, Selectively operated rotary. C. E. Attwood. 2,659,646, Nov. 17.
Drum gauge having aligned faucet and drum coupling. B. E. Colburn. 2,629,260, Feb. 24.
Drum handling means for lift trucks, Side grip. L. G. Ehmann. 2,663,442, Dec. 22.
Drum lift for industrial trucks. W. J. Dodge. 2,653,725, Sept. 29.
Drum, Molding. A. G. Granath. 2,630,608, Mar. 10.
Drum ring clamp. J. G. Imparato. 2,629,910, Mar. 3.
Drum sander. T. Longbotham. 2,652,666, Sept. 22.
Drumshaft assembly. J. D. Spalding. 2,628,814, Feb. 17.
Drum stop mechanism for rotary duplicating machines. C. A. Levin. 2,645,174, July 14.
Drum tumbler. C. L. Hall. 2,652,140, Sept. 15.
Drum type unit installation. J. W. Votypka. 2,640,682, June 2.
Drum with rhythm beaters and pedal, Bass. E. H. W. Clayton. 2,658,421, Nov. 10.
Dual-channel counting rate meter. G. K. Jensen and J. E. McGeogh. 2,638,273, May 12.
Dual choker hook. R. H. Silver. 2,663,922, Dec. 29.
Dual control attachment for automobiles. J. E. Nafe, Sr., and C. C. Christy. 2,647,414, Aug. 4.
Dual control mechanism for valves and the like. V. V. Veenschoten. 2,660,072, Nov. 24.
Dual control separation of gas and oil. J. P. Walker and C. O. Glasgow. 2,664,170, Dec. 29.
Dual drive actuator. H. M. Geyer. 2,660,026–9, Nov. 24.
Dual edging. A. H. Graupner. 2,656,880, Oct. 27.
Dual function indicator. H. Golle. 2,655,125, Oct. 13.
Dual hydraulic swivel joint. T. H. McClain. 2,659,615, Nov. 17.
Dual lever pry type lid lifter. A. E. Hopmann. 2,651,226, Sept. 8.
Dual light source for cameras. J. W. Bates. 2,642,518, June 16.
Dual limit control circuit. R. J. Cassidy. 2,645,744, July 14.
Dual production zone pump. C. A. Morris and J. D. Exner. 2,642,803, June 23.
Dual pump. W. A. Wood. 2,635,545, Apr. 21.
Dual spring take-up reel. L. Leroy. 2,658,698, Nov. 10.
Dual voltage alternating current motor. R. E. Seely. 2,630,553, Mar. 3.
Dual voltage regulator. M. Petroff. 2,653,251, Sept. 22.
Dual wheel mounting. B. H. Canady and C. J. Wiley. 2,636,782–3, Apr. 28.
Dual wheel wrench. V. Resch. 2,645,965, July 21.
Duckbill slewing apparatus. W. F. Frye. 2,642,983, June 23.
Duck call. C. D. Green. 2,642,699, June 23.
Duck call of the adjustable reed type, Variable tone. L. Bicocchi. 2,651,141, Sept. 8.
Duck decoy support. H. G. Beverman. 2,624,144, Jan. 6.
Duct seal, Demountable. G. R. Aldrich and K. R. Bragg. 2,653,042, Sept. 22.
Duct structure for gas-turbine engines. L. Haworth. 2,648,353, Aug. 11.
Ductile vanadium, Manufacture of. E. D. Gregory, W. C. Lilliendahl, and D. M. Wroughton. 2,653,869, Sept. 29.
Ductor roller control. B. B. Pasquinelli. 2,626,566, Jan. 27.
Dumbbell with adjustable weights. A. Lemieux. 2,640,696, June 2.
Dummy plug and detachable handle therefor. J. W. Determan. 2,629,761, Feb. 24.
Dump bailer. R. C. Baker. 2,640,548, June 2.
Dump bed construction for wagons and trailer vehicles, Tiltable. M. E. and M. W. Palsgrove. 2,628,127, Feb. 10.
Dump body assembly, Standardized. E. O. Dale. 2,640,725, June 2.
Dump body attachment for grain conveyers. J. F. Borchers. 2,628,729, Feb. 17.
Dump car for inclined tracks. J. J. Brodeske. 2,655,276, Oct. 13.
Dump gate. F. Murray. 2,661,875, Dec. 8.
Dump truck body return attachment. D. N. De Hart. 2,631,888, Mar. 17.
Dumper, Car. F. S. McCune. 2,663,438, Dec. 22.
Dumper, Rotary car. J. H. Kincaid. 2,659,500, Nov. 17.
Dumping and washing mechanism for egg separating cups. L. M. Sigler. 2,646,163, July 21.
Dumping apparatus for truck bodies and trailers. M. W. McCombs. 2,630,928, Mar. 10.
Dumping device, Concrete. F. Knowlton. 2,656,164, Oct. 20.
Dumping device for mold conveyers, Tiltable. R. J. Anderson. 2,662,651, Dec. 15.
Dumping device, Pan. K. H. Otte. 2,639,827, May 26.
Duplex bearing. H. L. Potter. 2,632,677, Mar. 24.

Duplex brake. C. E. Tack and W. J. Casey. 2,655,226, Oct. 13.
Duplex flow control apparatus. T. C. Noon and F. C. Bayer. 2,656,848, Oct. 27.
Duplex radio apparatus control. N. S. Parks. 2,657,304, Oct. 27.
Duplex speed regulator. G. E. Parker. 2,657,918, Nov. 3.
Duplex valve. P. C. Symmons. 2,643,675, June 30.
Duplicate bridge pad. M. K. Cline. 2,633,361, Mar. 31.
Duplicating attachment for typewriters. N. S. McEwen. 2,656,909, Oct. 27.
Duplicating device, Stencil. E. E. Greenberg. 2,627,808, Feb. 10.
Duplicating engraving or milling machine, Three-dimensional. F. Brynildsrud. 2,646,725, July 28.
Duplicating machine. C. A. Levin and R. W. Quirk. 2,661,686, Dec. 8.
Duplicating machine. E. M. McNabb. 2,663,578, Dec. 22.
Duplicating machine, Pattern controlled. P. C. Hougham. 2,633,881, Apr. 7.
Duplicating ribbon attachment. J. C. Hochman. 2,626,035, Jan. 20.
Duplicator. G. A. Schwab. 2,635,340, Apr. 21.
Duplicator, Hand manipulable. A. J. Heyer and F. K. Moore. 2,632,387, Mar. 24.
Duplicator, Rotary offset. H. R. Gullixson and H. F. Bruns. 2,660,113, Nov. 24.
Duplicator speed control. C. L. Calosi. 2,640,176, May 26.
Durability test device. J. H. Bowen, Jr. 2,650,493, Sept. 1.
Duration ratio regulator. R. R. Gannaway. 2,659,856, Nov. 17.
Dust agitator supporting means for ambulatory vacuum cleaners. E. P. Turner. 2,649,609, Aug. 25.
Dust bag for vacuum cleaners, Disposable. E. P. Turner and N. H. Sailer. 2,637,409, May 5.
Dust collecting and air purifying apparatus. M. B. Osborne and A. F. von Soden. 2,631,688, Mar. 17.
Dust collecting system. L. I. Mitchell and A. W. Meyer. 2,636,573, Apr. 28.
Dust collector. N. C. Shellman. 2,643,733, June 30.
Dust collector. E. W. Thrailkill. 2,650,674, Sept. 1.
Dust collector and mop storage device. R. G. Anderson. 2,631,318, Mar. 17.
Dust collector for overhead drilling. B. R. Brinkley. 2,634,952, Apr. 14.
Dust cover for automatic telephone switches. L. D. Pearsall. 2,658,960, Nov. 10.
Dustguard, Snap-on. D. D. Bryant. 2,638,363, May 12.
Dust-laying emulsion. F. S. Rostler. 2,646,361, July 21.
Dust mop cleaner. J. A. Jones. 2,642,600, June 23.
Dustpan. T. P. Budzyna. 2,648,959, Aug. 18.
Dustpan. R. B. Lawrence. 2,651,924, Sept. 15.
Dustproof hydraulic coupling. R. M. Ulrich. 2,648,553, Aug. 11.
Dust seal. R. A. Bailey. 2,644,729, July 7.
Duster, Flour. H. C. Rhodes. 2,633,242, Mar. 31.
Dusting and polishing device. H. S. Geerin. 2,655,680, Oct. 20.
Dusting device, Livestock. A. Paul, Jr. 2,652,810, Sept. 22.
Dusting gun. C. F. Gregg. 2,651,139, Sept. 8.
Dusting machine. J. A. Chater. 2,637,933, May 12.
Dusting machine, Flour. A. H. Thompson. 2,655,897, Oct. 20.
Dye ageing process. R. W. Jacoby. 2,628,884, Feb. 17.
Dye fluid dispensing meter. H. L. Stafford. 2,647,663, Aug. 4.
Dye-receptive acrylonitrile polymers, Preparing. G. E. Ham. 2,656,336, Oct. 20.
Dye-receptive synthetic fiber, Preparing a. G. E. Ham. 2,639,969, May 26.
Dyeing acrylonitrile fibers with acid dyes using zinc chloride. G. L. Wesp and G. E. Ham. 2,636,802, Apr. 28.
Dyeing an acrylonitrile copolymer with acid dyes and thiourea. G. E. Ham. 2,637,620, May 5.
Dyeing and squeezing device for cloth-dyeing machines, Combination. J. Dungler. 2,641,917, June 16.
Dyeing apparatus for textile packages. E. A. Stienen. 2,637,992, May 12.
Dyeing cellulose fibers with direct-dyeing cupriferous azo-dyestuffs and dyebaths used therefor. J. Wegmann and K. Menzi. 2,662,807, Dec. 15.
Dyeing furs. P. Poser. 2,653,075, Sept. 22.
Dyeing materials made of polyvinyl derivatives. L. Thummel. 2,635,942, Apr. 21.
Dyeing modified polyacrylonitrile staple fabric. P. L. Meunier and W. Wygand, Jr. 2,628,152, Feb. 10.
Dyeing nitrogenous fibers with metallized azo dyes. H. E. Millson and S. Mooradian. 2,638,404, May 12.
Dyeing of acrylonitrile polymers with acetate dyes. L. G. Ray, Jr. 2,654,652, Oct. 6.
Dyeing of cellulose derivative textile materials. G. C. Ward and W. T. Haggerty, Jr. 2,646,339, July 21.
Dyeing of cellulosic materials and dyestuff preparations suitable for this purpose. K. Menzi, H. Riat, and J. Wegmann. 2,662,806, Dec. 15.
Dyeing of mixed wool-cellulose acetate textile materials. G. C. Ward. 2,626,202, Jan. 20.
Dyeing of nylon and acetate silk in situ with l C. Streck. 2,649,353, Aug. 18.
Dyeing of nylon with sulfonamide azo dyes. E. S D. Burtonshaw. 2,638,403, May 12.
Dyeing of polyacrylonitrile fibers. R. H. 2,653,074, Sept. 22.
Dyeing of polyester fibers with acid leuco vat Luttringhaus, H. R. Mautner, and A. A 2,627,449, Feb. 3.
Dyeing of textile materials using alkylamine thickeners. W. J. Cramer, Jr., and H. W. 2,647,035, July 28.
Dyes containing a vinyl sulfone. J. Heyna and macher. 2,657,205, Oct. 27.
Dyes of the dibenzanthrone series. P. R. 2,662,892, Dec. 15.
Dyestuff intermediates of the anthraquinone se Peter and E. Wydler. 2,659,737, Nov. 17.
Dyestuffs of the benzanthrone acridine series. M and H. E. Westlake, Jr. 2,655,502, Oct. 13.
Dyestuffs of the phthalocyanine series, Produ F. Muehlbauer. 2,648,672, Aug. 11.
Dynamic-braking control. W. L. Barclay, Jr. Apr. 28.
Dynamic braking control. R. P. Barnes. Feb. 24.
Dynamic braking control system. A. V. 2,627,597, Feb. 3.
Dynamic pneumatic moting and lint cleaning J. J. Wallace. 2,663,912, Dec. 29.
Dynamic pyrolytic plating apparatus. A. 2,650,564, Sept. 1.
Dynamic scanning system. F. Rieber. 2,628,68
Dynamo transformer. R. K. Mueller. 2,630,56
Dynamoelectric apparatus and making the sam Andrus. 2,636,137, Apr. 21.
Dynamoelectric machine. L. E. Blanchett a Steffen. 2,641,737, June 9.
Dynamoelectric machine. K. M. Felertag. June 23.
Dynamoelectric machine. A. Fisher and J. K 2,662,195, Dec. 8.
Dynamoelectric machine. J. J. Korzdorfer. May 26.
Dynamoelectric machine. T. W. Moore. 2,637,8
Dynamoelectric machine. J. F. G. Petit. 2,625 13.
Dynamoelectric machine. J. F. G. Petit. Dec. 29.
Dynamoelectric machine. A. R. Wylie. Aug. 11.
Dynamoelectric machine, Adjustable pole pitc Ellis. 2,629,063, Feb. 17.
Dynamoelectric machine armature member. M win. 2,632,125, Mar. 17.
Dynamoelectric machine core and winding v arrangement. E. D. Huntley. 2,664,512, De
Dynamoelectric machine core ventilation. C. E. 2,661,434, Dec. 1.
Dynamoelectric machine having a ventilation the air gap. L. T. Rosenberg and J. L. 2,663,808, Dec. 22.
Dynamoelectric machine, Homopolar. J. V and T. J. Crawford. 2,640,942, June 2.
Dynamoelectric machine magnetic core membe Merrill. 2,643,350, June 23.
Dynamoelectric machine member. D. R. Meier. Aug. 4.
Dynamoelectric machine winding arrangemen McElligott and D. B. Harrington. 2,630,541.
Dynamometer apparatus. L. W. Fagg and D. O 2,659,233, Nov. 17.
Dynamometer, Mainspring. E. Van Haaften. Oct. 13.
Ear positioner and trash remover for corn R. C. Ferguson. 2,631,420, Mar. 17.
Ear protecting device. R. L. Motley. 2,624,051
Ear treating apparatus. C. F. Joers. 2,652,048
Earring, Piercing. L. Ferro. 2,647,379, Aug.
Earth-boring machine. G. H. Jones. 2,639,89
Earth cutting tool. C. C. Merrick. 2,664,273.
Earth drill. D. Richards. 2,657,906, Nov. 3.
Earth formation disintegrating drill. W. 2,654,578, Oct. 6.
Earth moving apparatus. E. M. Moore. 2,624,4
Earth-moving attachment for tractors. N. 2,641,854, June 16.
Earth scraper apparatus. W. L. Zink. 2,634,51
Earthworking implement with frame levelli Variable tread. L. E. Heckathorn. 2,664,03
Earthworking machine. R. P. Harshberger. June 16.
Earth working tool. R. G. Le Tourneau. 2,65 13.
Easel. A. J. Moir. 2,627,695, Feb. 10.
Easel and scroll sign, Combined. C. H 2,630,641, Mar. 10.
Easel, Body supported. F. A. Davidson. Feb. 3.
Easel construction. E. F. Jaros. 2,641,964, J
Easel, Enlarging. J. Keinath, M. Kuhn, F. Bo Leitz. 2,660,919, Dec. 1.
Easel for display mounts, Supporting. C. 2,654,554, Oct. 6.

Easel, Photographic. W. W. De Brouwer. 2,633,058, Mar. 31.
Easel type picture frame. J. J. Seelman. 2,630,992, Mar. 10.
Easy action snap fastener. W. I. Jones. 2,624,090, Jan. 6.
Easy packing deep container. S. P. Belsinger. 2,648,480, Aug. 11.
Eave gutter support or hanger, Adjustable. C. W. Henry. 2,625,353, Jan. 13.
Eaves trough. R. E. Beegle. 2,624,299, Jan. 6.
Eaves trough clamp. M. W. Gibbons. 2,647,476, Aug. 4.
Eaves-trough hanger means, Separable. T. S. Toal. 2,631,801, Mar. 17.
Eccentric and follower mechanism. J. L. Edelen. 2,654,266, Oct. 6.
Eccentric motion, Adjustable. F. A. Lane. 2,632,339, Mar. 24.
Eccentric pump. L. F. Knight. 2,653,549, Sept. 29.
Echo distance measuring circuit. J. L. Russell. 2,642,562, June 16.
Echo ranging system. C. H. Eckart and G. W. Downs, Jr. 2,629,084, Feb. 17.
Echo ranging system. L. R. Philpott. 2,654,881, Oct. 6.
Echo suppressor insertion. E. P. G. Wright. 2,653,999, Sept. 29.
Economizer unit for carburetors. R. H. Hieger. 2,631,832, Mar. 17.
Eddy current heater. F. F. Lerza and E. S. Knox. 2,635,168, Apr. 14.
Eddy current mechanism. M. P. Winther. 2,640,941, June 2.
Eddy-current ring construction for electrical machines. R. L. Jaeschke. 2,641,722, June 9.
Edge binder for furniture with covered metal tops. K. E. Castle. 2,644,733, July 7.
Edge fastening for table top coverings. G. H. Norquist. 2,660,499, Nov. 24.
Edge lighted display. R. L. Herschede, A. E. Gates, Jr., and W. F. Herschede. 2,634,530, Apr. 14.
Edge-lining machine. H. V. Schweitzer. 2,651,282, Sept 8.
Edge roll for spring cushion assemblies. W. F. Richardson. 2,663,882, Dec. 29.
Edge roll for upholstered furniture. W. S. Cook. 2,627,902, Feb. 10.
Edge roll for upholstery and the like. W. S. Cook. 2,638,157, May 12.
Edge to edge fastening. F. A. Priestley. 2,651,091, Sept. 8.
Edge trim corner construction for table tops or the like. R. E. Taylor. 2,642,326, June 16.
Edger attachment for lawn mowers, Demountable. J. D. Noyes. 2,643,503, June 30.
Edging and tracking means for walkways and the like. A. Peterson. 2,662,342, Dec. 15.
Edging roller. A. W. Schaefer. 2,663,892, Dec. 29.
Edible mushroom mycelium, Production of. J. Szuecs. 2,648,163, Aug. 11.
Edifice, Marine. R. White. 2,631,742, Mar. 17.
Educational device. C. J. Bishop. 2,635,360, Apr. 21.
Educational device. J. E. Brown. 2,663,091, Dec. 22.
Educational device. R. K. Davies. 2,651,115, Sept 8.
Educational device. J. J. Jacobson and J. G. Keljikan. 2,632,962, Mar. 31.
Educational device. F. M. and E. S. Minninger. 2,628,435, Feb. 17.
Educational device. H. I. Polton. 2,627,672, Feb. 10
Educational device. C. M. G. Van Dijck. 2,654,963, Oct. 13.
Educational device. A. M. Whitlock. 2,635,357, Apr. 21.
Educational device for demonstrating the principle of internal-combustion engines. E. Allgaier. 2,629,941, Mar. 3.
Educational device for reading micrometers. L. G. Drury. 2,635,356, Apr. 21.
Educational device for use in learning to tie certain knots. R. N. Collins. 2,624,957, Jan. 13.
Educational device, Horological. E. T. Wilmington. 2,655,739, Oct. 20.
Educational device presenting pictorial and numerical problems. A. H. Merrill. 2,645,038, July 14.
Educational device teaching reading and arithmetic. A. H. Merrill. 2,645,041, July 14.
Educational enumeration block assembly. H. G. and H. L. Thompson. 2,635,355, Apr. 21.
Effecting and controlling the recharge of underground formations by special wells. R. Nebolsine. 2,629,447, Feb. 24.
Effecting chemical reactions, Process and apparatus for. J. W. Latchum, Jr. 2,632,689, Mar. 24.
Effecting indirect heat transfer. E. C. Handwerk. 2,628,077, Feb. 10.
Effecting the catalytic conversion of an organic reactant stream, particularly a liquid charge, Method and apparatus for. F. W. Leffer. 2,629,684, Feb. 24.
Effective catalytic conversion of hydrocarbons. P. M. Waddill and F. C. Fowler. 2,662,003, Dec. 8.
Effervescent barium sulfate-pectin X-ray contrast composition. E. H. Slaybaugh. 2,659,690, Nov. 17.
Effervescent drink concentrate. J. G. Alther and P. M. Van Arsdell. 2,639,238, May 19.
Egg breaking machine. J. C. Gill. 2,655,965, Oct. 20.
Egg candling and grading apparatus. V. Wilson. 2,648,430, Aug. 11.
Egg case. H. M. Nelson. 2,632,594, Mar. 24.
Egg case making machine. G. E. Stillwell. 2,635,236, Apr. 21.
Egg cleaner. G. Aspinall. 2,639,561, May 26.
Egg collecting system, Automatic. T. B. Charles and R. R. Skelton. 2,641,352, June 9.
Egg-container separating device. C. Page. 2,627,990, Feb. 10.
Egg feeding mechanism. C. K. Powell. 2,649,186, Aug. 18.
Egg-grading machine. R. J. Hayter. 2,645,344, July 14.
Egg handling apparatus. E. W. Fahey. 2,637,435, May 5.
Egg handling apparatus. E. W. Fahey. 2,637,458, May 5.
Egg handling device. E. W. Fahey. 2,636,624, Apr. 28.
Egg handling machine. R. C. Sneed and C. S. Jordan. 2,629,479, Feb. 24.
Egg handling machine. R. C. Sneed and C. S. Jordan. 2,639,801, May 26.
Egg lifter. H. K. Schilling. 2,660,469, Nov. 24.
Egg room equipment. J. W. Cox. 2,625,309, Jan. 13.
Egg room equipment, Continuous feed. E. W. Fahey and G. S. Wolf. 2,659,473, Nov. 17.
Egg separator. D. Frieberg. 2,632,490, Mar. 24.
Egg substitute admixture and producing the same. M. M. Healy. 2,628,904, Feb. 17.
Egg turning apparatus for incubators. E. W. Forney. 2,625,906, Jan. 20.
Egg washer. G. W. Johnson. 2,634,442, Apr. 14.
Egg washing machine, including tanks through which cleaning fluid is circulated. J. A. Langland. 2,631,595, Mar. 17.
Egg white composition. H. J. Kothe. 2,637,654, May 5.
Eggs having artificial shells. D. Adams. 2,660,530, Nov. 24.
8-arylpurine derivatives and preparing same. G. H. Hitchings and G. B. Elion. 2,628,235, Feb. 10.
8-hydroxy-4-androstene-3,17-dione. H. C. Murray and D. H. Peterson. 2,660,587, Nov. 24.
Ejecting key container. J. Mullan. 2,625,814, Jan. 20.
Ejecting mechanism for glass forming apparatus. H. B. Knox. 2,662,344, Dec. 15.
Ejection means for revolvers. C. E. Rowe. 2,624,970, Jan. 13.
Ejector. N. L. Mahla. 2,629,897, Mar. 3.
Ejector for header punches. M. O. Frist. 2,628,514, Feb. 17.
Ejector pin assembly for mold bases. I. T. Quarnstrom. 2,645,815, July 21.
Elapsed time indicator. L. J. Kroko. 2,655,634, Oct. 13.
Elastic connecting device for elastic fluid machines. O. A. Wiberg. 2,657,084, Oct. 27.
Elastic fabric. E. Cadous. 2,628,928, Feb. 17.
Elastic fabric. S. F. Siciliano. 2,640,508, June 2.
Elastic fluid power plant. H. R. Nilsson and T. I. Lindhagen. 2,627,162, Feb. 3.
Elastic fluid power system utilizing a rotary engine with cooled rotors. T. I. Lindhagen and H. R. Nilsson. 2,627,161, Feb. 3.
Elastic fluid turbine. C. E. Kenney. 2,646,811, July 28.
Elastic fluid turbine support. T. W. F. Brown and H. G. Yates. June 23.
Elastic locking insert secured by thread rolling. H. T. Burdick. 2,663,344, Dec. 22.
Elastic rib knitted fabric. C. A. Crimmins. 2,653,463, Sept. 29.
Elastic sleeve. O. Schmuziger. 2,648,247, Aug. 11.
Elastic webbing and product thereof, Making. D. G. Posson. 2,638,130, May 12.
Elastic yarn feeding means for knitting machines. R. H. Lawson. 2,627,738, Feb. 10.
Elastomer supported vibratory feeder motor. W. V. Spurlin. 2,654,466, Oct. 6.
Elastomeric diisocyanate modified polyesters. T. G. Mastin and N. V. Seeger. 2,625,535, Jan. 13.
Elbow fitting, Swiveling. L. Lee, II. 2,632,659, Mar. 24.
Elbow, Flexible. H. Kaiser. 2,643,680, June 30.
Elbow lock and alternator for actuating the same. D. M. Threewit. 2,637,042, May 5.
Electric accumulator with zinc electrodes. P. Garine. 2,636,059, Apr. 21.
Electric air heater. M. H. Wessel. 2,662,963, Dec. 15.
Electric apparatus. A. W. Haydon. 2,625,661, Jan. 13.
Electric apparatus for controlling core-type reel drives. F. E. McLane. 2,629,850, Feb. 24.
Electric apparatus for decomposing liquids and its use as a gasoline economizer. R. H. P. Devaux. 2,656,824, Oct. 27.
Electric applicator. J. J. Dobes. 2,632,447, Mar. 24.
Electric arc melting furnace. O. W. Simmons. 2,652,440, Sept. 15.
Electric arc production of combustible gases. D. G. Butler. 2,660,556, Nov. 24.
Electric arc stud welding. C. A. Sayer. 2,648,748, Aug 11.
Electric arc welding. P. C. van der Willigen. 2,643,319, June 23.
Electric automatic operating apparatus for mechanical speed changing devices, particularly for motor cars. A. Filocamo. 2,647,411, Aug. 4.
Electric ballast. W. L. Henderson. 2,664,541, Dec. 29.
Electric battery lamp. L. A. Seiss. 2,653,215, Sept. 22.

Electric cable. P. M. Hollingsworth. 2,664,372, Dec. 29
Electric cable. R. W. Presswell. 2,661,389, Dec. 1.
Electric capacitor. W. F. Skeats. 2,650,334, Aug. 25.
Electric car squeeze. W. M. Robey, Jr. 2,629,337, Feb. 24.
Electric circuit. A. van de Wiel. 2,662,209, Dec. 8.
Electric circuit breaker. R. G. Page. 2,631,208, Mar. 10.
Electric circuit comprising a cathode-ray tube. G. Hepp. 2,657,330, Oct. 27.
Electric circuit distribution device. G. George. 2,625,591, Jan. 13.
Electric circuit protector. W. D. Matthews and T. E. Curtis. 2,663,778, Dec. 22.
Electric conductor, Natural silk insulated. W. Travis. 2,644,029, June 30.
Electric contact device. E. Wettstein. 2,658,971, Nov. 10.
Electric contact making device. F. E. Rommel. 2,630,500, Mar. 3.
Electric control circuit. E. G. Anger. 2,634,320, Apr. 7.
Electric control device. W. L. Geiger and G. A. Wescott, Jr. 2,642,485, June 16.
Electric control device. P. Sitzer. 2,639,345, May 19.
Electric control for independent release portions of air
Electric control for motors. W. H. McElvenny. 2,629,852, Feb. 24.
Electric control system. W. C. White. 2,648,810, Aug. 11.
Electric control system for dynamoelectric machines with reversible current. A. C. Halter. 2,659,040, Nov. 10.
brake control valves. M. Pickert. 2,647,021, July 28.
Electric control system for expansible motor operated boom. C. A. Harsch. 2,643,515, June 30.
Electric control system for hydraulic step drilling machines. A. T. Roys. 2,642,847, June 23.
Electric control system utilizing a saturable reactor for limiting currents. T. H. Bloodworth. 2,632,139, Mar. 17.
Electric controlling apparatus. J. Grillo. 2,640,098, May 26.
Electric cord, Extensible. F. J. M. Dansard. 2,652,444, Sept. 15.
Electric cord handling apparatus. J. C. Flansburgh. 2,625,344, Jan. 13.
Electric cup connector. F. F. Lehr. 2,640,968, June 2.
Electric current producing cell and electrolyte therefor. S. Ruben. 2,629,758, Feb. 24.
Electric delay device employing semiconductors. A. H. Reeves. 2,655,607, Oct. 13.
Electric delay system. M. E. Krom. 2,636,931, Apr. 28.
Electric dictation installation. J. E. Godeck. 2,653,190, Sept. 22.
Electric discharge apparatus for alternating current motors. W. E. Large and R. F. Barrell. 2,663,834, Dec. 22
Electric discharge device. H. J. Dailey. 2,626,369, Jan. 20.
Electric discharge device. E. Germer. 2,659,835–6, Nov. 17.
Electric discharge device. G. H. Hough and T. M. Jackson. 2,631,261, Mar. 10.
Electric discharge device. P. Lemaigre-Voreaux. 2,659,834, Nov. 17.
Electric discharge device. E. Lemmers. 2,627,046, Jan. 27.
Electric discharge device. G. Lewin. 2,627,481, Feb. 3.
Electric discharge device. A. H. Reeves. 2,645,742, July 14.
Electric discharge device apparatus. B. D. Bedford. 2,634,382, Apr. 7.
Electric discharge device, Cold cathode. M. A. Townsend. 2,650,320, Aug. 25.
Electric discharge device starter. S. M. Gray and R. C. Svenson. 2,656,488, Oct. 20.
Electric discharge lamp. T. E. Foulke. 2,647,217, July 28.
Electric discharge lamp. H. H. Homer. 2,663,816, Dec. 22.
Electric discharge tube. G. H. Hough and T. M. Jackson. 2,654,044, Sept. 29.
Electric discharge tube. G. H. Hough and D. S. Ridler. 2,627,054, Jan. 27.
Electric door lock. W. Pinderhughes. 2,653,045, Sept. 22.
Electric drill adapter kit. S. F. Gabriele. 2,641,479, June 9.
Electric dry shaver. L. C. Cariassimi. 2,643,453, June 30.
Electric drying unit. R. L. and H. E. Meltzer and W. D. Warner. 2,658,798, Nov. 10.
Electric eddy current furnace. L. Dreyfus. 2,662,161, Dec. 8.
Electric energy meter. C. R. López. 2,645,757, July 14.
Electric eye packing gate. H. D. McWaters. 2,634,084, Apr. 7.
Electric fence controller and operation. L. H. Underwood. 2,626,364, Jan. 20.
Electric fence wire attaching means. E. G. Telecky and E. Habisch. 2,626,304, Jan. 20.
Electric flatiron. D. C. Gerber and J. E. Vance. 2,629,949, Mar. 3.
Electric frog, Automatic. E. C. Brown and T. Finan. 2,664,472, Dec. 29.
Electric fuse holder. C. J. Ward. 2,638,520, May 12.
Electric heater. I. G. Glenn. 2,639,359, May 19.
Electric heater. W. R. Tuttle. 2,643,317, June 23.
Electric heating. H. C. Cunningham. 2,624,826, Jan. 6.
Electric heating. H. C. Cunningham. 2,654,825
Electric heating. S. J. Temple. 2,625,634, Jan.
Electric heating. S. J. Temple. 2,635,163, Apr.
Electric heating device. W. J. Dzaack. 2,624,82
Electric hedge cutter. P. Szostek. 2,633,636, A
Electric-hydraulic beauty chair. R. P. M
2,653,648, Sept. 29.
Electric-hydraulic power unit. E. D. Lytle. 2
Jan. 13.
Electric ignition and control for vaporizing oil
J. W. Miller and V. H. Hill. 2,656,883, Oct.
Electric immersion heater. R. Irving. 2,654,820
Electric impedance network. W. Saraga. 2,
Apr. 28.
Electric incandescent lamp. L. F. Kramel. 2,
Mar. 31.
Electric indicating device. J. Amblard. 2,663,8
22.
Electric induction furnace. A. E. Greene. 2,
June 9.
Electric initiator. D. T. Zebree. 2,624,280, Jan.
Electric initiator, Static resistant. C. F. Horne. 2,
Nov. 10.
Electric iron. R. R. Fitzsimmons. 2,637,126, M
Electric lamp holder. C. H. J. Anderson and J. H
Werd. 2,658,118, Nov. 3.
Electric lamp stand. E. F. Brede. 2,630,538, Mar
Electric lighter. H. L. Rink and R. F. Spence. 2,
Oct. 27.
Electric lighting fixture support. W. E.
2,642,251, June 16.
Electric line fault locators. T. W. Stringfield
Stevens, L. R. Spaulding, and W. V. Behrens. 2
Feb. 10.
Electric liquid heater. L. G. Bowen. 2,636,974,
Electric load limiter. E. F. Kingsley. 2,637,822
Electric load stabilizer. E. F. Kingsley. 2,635,1
14.
Electric logging with oil base drilling fluids.
Krueger. 2,626,305, Jan. 20.
Electric machine, Liquid-cooled rotary. F.
2,648,789, Aug. 11.
Electric marking method, apparatus, and carrier
simile systems and the like. L. Pessel. 2
Dec. 8.
Electric mat switch. S. S. Roby. 2,625,621, Jan.
Elastic material. R. Hesse. 2,646,828, July 2
Electric melting furnace. S. E. Gynt, V. Poul
R. Lundqvist. 2,652,441, Sept. 15.
Electric motor. M. S. Dunkelberger. 2,630,464,
Electric motor. C. H. Gubbins. 2,636,136, Apr.
Electric motor. C. C. Hutchins. 2,649,561, Aug
Electric motor. S. H. Swarthout. 2,629,061, Feb
Electric motor follow-up system for measuring.
Darling. 2,653,282, Sept. 22.
Electric motor for driving a device within a
ment. C. R. Sutherland. 2,656,973, Oct. 27.
Electric motor laminated stator construction. J.
2,654,039, Sept. 29.
Electric motor type of servo mechanism for filte
J. E. McWade. 2,655,627, Oct. 13.
Electric outlet circuit indicator. W. F. Koepke. 2
Jan. 20.
Electric plug tap with means to secure additio
thereto, Multiple. D. B. Cohane. 2,659,060,
Electric power cable with carrier coupling. F.
ing. 2,624,794, Jan. 6.
Electric power handsaw jig. E. Cadwell. 2
Feb. 24.
Electric power supply eqnipment. V. J. Terry
Kelly. 2,642,558, June 16.
Electric primary cell. W. F. Higgins and R. G
son. 2,641,622, June 9.
Electric pulse code modulation system of commu
C. C. Eaglesfield. 2,640,965, June 2.
Electric pulse generator. L. R. Spaulding. 2
Oct. 6.
Electric pulse modulation system of communica
T. Starr and H. Grayson. 2,657,269, Oct. 27.
Electric pulse operated motor. L. B. Johnson. 2
Dec. 15.
Electric radiant heat drier. E. C. Elgar. 2
Oct. 20.
Electric range resistance element support. E. H
sen. 2,632,837, Mar. 24.
Electric receptacle accessory for locating prong
apertures. C. W. Abbott. 2,650,262, Aug. 2
Electric regulating system utilizing a phase
reactive compensator. D. J. Sikorra. 2,638,
12.
Electric regulator. L. A. Trofimov. 2,628,341, F
Electric regulator device and system for chargin
batteries. P. Kuhar. 2,657,351, Oct. 27.
Electric resistance. W. M. Kohring. 2,635,162, A
Electric resistance. E. Weides, H. C. Riepka,
Uebelmann. 2,658,980, Nov. 10.
Electric resistance unit. R. G. Widdows. 2,639,
19.
Electric resistance welding tool. A. Albarranc. 2
Oct. 20.
Electric resistances. E. Weides. 2,647,977, Aug

Electric seam welding, Means and method for. A. C. Body. 2,632,079, Mar. 17.
Electric snap switch. I. W. Cox. 2,663,770, Dec. 22.
Electric snap switch. E. C. Raney. 2,651,690, Sept. 8.
Electric soldering iron. H. W. Talbot. 2,658,983, Nov. 10.
Electric spark ignition apparatus. J. A. Laird. 2,655,617, Oct. 13.
Electric steam iron. J. O. Thibault. 2,655,745, Oct. 20.
Electric steaming and pressing iron. L. Levine. 2,634,525, Apr. 14.
Electric strain gauge. J. N. Baker. 2,632,149, Mar. 17.
Electric switch. K. C. Allison. 2,650,959, Sept. 1.
Electric switch. R. P. Ballou. 2,649,514, Aug. 18.
Electric switch. R. H. Boardman. 2,659,792, Nov. 17.
Electric switch. W. G. Bourne. 2,658,962, Nov. 10.
Electric switch. W. L. Bush and A. M. Daily. 2,660,634, Nov. 24.
Electric switch. R. W. J. Cockram. 2,662,945, Dec. 15.
Electric switch. A. M. Daily and M. B. Arisman. 2,660,651, Nov. 24.
Electric switch. W. E. Engelhard. 2,626,311, Jan. 20.
Electric switch. M. N. Glickman. 2,641,669, June 9.
Electric switch. P. R. Goudy and K. G. Sedgwick. 2,664,482, Dec. 29.
Electric switch. E. N. Jacobi. 2,650,958, Sept. 1.
Electric switch. R. H. Kingdon. 2,654,041, Sept. 29.
Electric switch. M. F. Koenig. 2,626,334, Jan. 20.
Electric switch. M. F. Koenig and R. A. Millermaster. 2,641,671, June 9.
Electric switch. A. W. Krieger. 2,641,663, June 9.
Electric switch. C. A. Landin. 2,626,335, Jan. 20.
Electric switch. M. J. Larsen, W. J. Anderson, N. B. Erickson, and A. F. Evett. 2,630,503, Mar. 3.
Electric switch. J. J. Lawser. 2,654,816, Oct. 6.
Electric switch. V. W. Leonard. 2,644,047, June 30.
Electric switch. F. E. Luehkert. 2,660,648–9, Nov. 24.
Electric switch. J. A. E. Marcoz. 2,647,969, Aug. 4.
Electric switch. G. J. Meuer. 2,658,978, Nov. 10.
Electric switch. A. H. Midgley. 2,636,089, Apr. 21.
Electric switch. A. H. Midgley. 2,656,423, Oct. 20.
Electric switch. E. W. Rickmeyer. 2,639,344, May 19.
Electric switch. J. H. Schellman. 2,633,510, Mar. 31.
Electric switch. W. A. Streuer and E. J. Mastney. 2,649,512, Aug. 18.
Electric switch. J. H. Williams and E. J. Mastney. 2,628,293, Feb. 10.
Electric swivel plug. R. L. Mudd, Jr. 2,654,869, Oct. 6.
Electric table. W. Bruchhausen. 2,662,966, Dec. 15.
Electric terminal clamp. C. A. Danberg. 2,644,142, June 30.
Electric terminal connector. F. S. Lamb. 2,627,048, Jan. 27.
Electric terminal connector. F. S. Lamb and H. E. Hermanson. 2,650,353, Aug. 25.
Electric test bottle bath. G. E. Shaw. 2,653,214, Sept. 22.
Electric torque-converter transmission. B. A. Trofimov. 2,654,849, Oct. 6.
Electric traction and braking system. T. O. Lilliquist. 2,629,058, Feb. 17.
Electric translating apparatus. J. J. Murray, Jr. 2,643,358, June 23.
Electric treater. E. I. Bailey. 2,663,687, Dec. 22.
Electric tubular heater terminal seal. A. P. Charbonneau and E. W. Seeger. Re. 23,679, July 7.
Electric valve excitation and control circuit. M. J. Mulhern and C. E. Rettig. 2,657,337, Oct. 27.
Electric vibration pick-up. J. Severs. 2,661,622, Dec. 8.
Electric water heater. F. G. Adams. 2,650,287, Aug. 25.
Electric wave distorting network. R. Beaufoy. 2,644,037, June 30.
Electric wave generator. G. P. de Mengel. 2,627,032, Jan. 27.
Electric wave sampling device. T. S. Saad. 2,636,082, Apr. 21.
Electrical apparatus. J. C. G. Carter. 2,653,233, Sept. 22.
Electrical apparatus. W. L. Church. 2,638,496, May 12.
Electrical apparatus. H. F. Clark. 2,658,175, Nov. 3.
Electrical apparatus. R. B. Clark. 2,627,583, Feb. 3.
Electrical apparatus. M. C. Harrold. 2,626,330, Jan. 20.
Electrical apparatus. M. C. Harrold. 2,629,034, Feb. 17.
Electrical apparatus. E. C. Hutchins. 2,636,104, Apr. 21.
Electrical apparatus. C. I. MacNeil. 2,659,044, Nov. 10.
Electrical apparatus. E. J. Mastney. 2,628,292, Feb. 10.
Electrical apparatus. J. H. Mayforth. 2,651,729, Sept. 8.
Electrical apparatus. R. E. Pabst. 2,629,845, Feb. 24.
Electrical apparatus. R. M. Purdy. 2,630,462, Mar. 3.
Electrical apparatus. C. A. Routledge and A. J. Keen. 2,635,197, Apr. 14.
Electrical apparatus. T. Tognola. 2,651,005, Sept. 1.
Electrical apparatus and method. V. C. Wilson and J. A. Simpson, Jr. 2,633,540, Mar. 31.
Electrical apparatus for solving right triangles. R. H. Rines. 2,624,874, Jan. 6.
Electrical apparatus for switching on and off a number of circuits in accordance with a prescribed cycle. M. Zuckerman. 2,635,154, Apr. 14.
Electrical apparatus, including plural generators and loads. A. J. Kuhn. 2,655,602, Oct. 13.
Electrical apparatus, Liquid resistance. N. R. Benchemoul. 2,649,526, Aug. 18.
Electrical assembly. V. R. Herterick. 2,644,045, June 30.
Electrical broiler, Rotating. L. Varady. 2,629,314, Feb. 24.
Electrical butt seam welding or cutting process and apparatus for carrying out said process. A. Wögerbauer. 2,647,981, Aug. 4.
Electrical cable, Making. J. J. Morrison. 2,658,014, Nov. 3.
Electrical calibration system. A. Miller. 2,660,165, Nov. 24.
Electrical capacitors, Manufacture of. R. A. Grouse. 2,651,100, Sept. 8.
Electrical circuit breaker. R. E. Warren. 2,660,642, Nov. 24.
Electrical circuit for the solution of right triangles. B. Chance and R. C. Kelner. 2,624,509, Jan. 6.
Electrical clamping connector. L. Cinnamon. 2,634,308, Apr. 7.
Electrical coil. H. V. Adcock. 2,661,446, Dec. 1.
Electrical coil. A. D. Coggeshall and A. H. Caldwell. 2,646,535, July 21.
Electrical coils insulated with mica and synthetic resins and the products thereof, Producing. L. J. Berberich and H. M. Philofsky. 2,656,290, Oct. 20.
Electrical comparator circuit. J. W. Gray. 2,653,285, Sept. 22.
Electrical condenser. W. M. Allison and P. H. Netherwood. 2,634,315, Apr. 7.
Electrical condenser. A. Liechti. 2,638,494, May 12.
Electrical conductor. N. C. Parrish. 2,641,672, June 9.
Electrical conductor for discharge devices. W. T. Anderson, Jr. 2,659,183, Nov. 17.
Electrical conductor lead for commutators. R. K. Allen. 2,653,258, Sept. 22.
Electrical conductor with grounding strand, Shielded. A. J. Wier. 2,663,752, Dec. 22.
Electrical conduit bending and straightening device. F. A. Duffy, Jr. 2,659,410, Nov. 17.
Electrical conduit connector. R. C. Harrison. 2,650,110, Aug. 25.
Electrical conduit structure. A. M. Geist and R. R. Winders. 2,636,520, Apr. 28.
Electrical connecting strip. P. Eisler. 2,634,310, Apr. 7.
Electrical connection. J. P. Lanfear. 2,651,671, Sept. 8.
Electrical connection for distributors. H. V. Elliott. 2,651,025, Sept. 1.
Electrical connector. A. I. Appleton. 2,630,339, Mar. 3.
Electrical connector. E. C. Bowar. 2,642,474, June 16.
Electrical connector. D. C. Gillespie. Re. 23,720, Oct. 6.
Electrical connector. A. Greenbaum. 2,658,184, Nov. 3.
Electrical connector. G. W. Hatcher, Sr. 2,658,185, Nov. 3.
Electrical connector. B. J. Johanson. 2,641,747, June 9.
Electrical connector. J. C. Macy. 2,626,168, Jan. 20.
Electrical connector. J. C. Macy. 2,629,763, Feb. 24.
Electrical connector. W. A. Saul and J. J. Staller. 2,654,872, Oct. 6.
Electrical connector. W. S. Watts. Re. 23,688, July 21.
Electrical contact. T. J. Dunsheath. 2,639,355, May 19.
Electrical contact. H. C. Graves, Jr. 2,648,747, Aug. 11.
Electrical contact. J. A. Payette. 2,624,820, Jan. 6.
Electrical contact. L. T. Richardson and M. B. Swinehart. 2,654,945, Oct. 13.
Electrical contact assembly. J. H. F. van Werd and C. H. J. Anderson. 2,663,853, Dec. 22.
Electrical contact assembly. B. Volgovskoy. 2,650,284, Aug. 25.
Electrical contact between aluminum and graphite. N. W. F. Phillips. 2,624,772, Jan. 6.
Electrical contact device. W. R. Jack and L. D. Cahill. 2,647,975, Aug. 4.
Electrical contactor. P. V. Yingst. 2,650,966, Sept. 1.
Electrical contactor roll for electroplating machines. A. C. Frankwich. 2,643,303, June 23.
Electrical contacts, Making. H. E. Spooner. 2,625,737, Jan. 20.
Electrical control apparatus. F. C. McNicol. 2,659,843, Nov. 17.
Electrical control circuit. P. Glass. 2,634,395, Apr. 7.
Electrical control circuits. A. E. Konick. 2,625,676, Jan. 13.
Electrical control device. J. G. Veatch, Jr. and A. M. Daily. 2,654,641, Oct. 6.
Electrical control device for scale-model railroads. W. S. Pike, Jr. 2,637,796, May 5.
Electrical control for combustion systems. G. G. Outterson. 2,655,208, Oct. 13.
Electrical control means for change-speed gearing. A. A. Miller. 2,658,408, Nov. 10.
Electrical control means for liquid fuel burning apparatus. A. E. Cleveland. 2,652,106, Sept. 15.
Electrical control system. I. Eachus, Jr. 2,637,831, May 5.
Electrical control system for burner and control device therefor. F. B. Anbert. 2,637,743, Nov. 3.
Electrical control system for engine driven generator sets. L. D. Clark. 2,648,783, Aug. 11.
Electrical control system for liquid fuel burners. F. B. Anbert. 2,662,589, Dec. 15.
Electrical control system for overheated bearings on trains. L. Day. 2,629,047, Feb. 17.
Electrical controller, Adjustable multiposition. T. B. Jochem and H. L. Mekelburg. 2,661,401, Dec. 1.
Electrical converter. A. W. La Marche. 2,651,018, Sept. 1.

Electrical converting apparatus. F. P. Granger, Jr. Apr. 14.
Electrical coupling structure. G. E. Hulstede. 2,646,511, July 21.
Electrical crystal unit. P. E. Gates. 2,626,985, Jan. 27.
Electrical crystal unit. C. J. Ryan. 2,642,486, June 16.
Electrical device. E. M. Carbary. 2,640,871, June 2.
Electrical device and preparation. H. E. Hollman. 2,639,380, May 19.
Electrical device and system therefor, Strain-sensitive. J. J. Dietz. 2,629,038, Feb. 17.
Electrical device, Speed responsive. J. M. Pestarini. 2,658,177, Nov. 3.
Electrical devices having gas-tight envelopes, High-frequency. A. F. Pearce and N. C. Barford. 2,638,504, May 12.
Electrical discharge device. R. A. Wood. 2,650,323, Aug. 25.
Electrical discharge device of the arc expulsion type. C. W. Petersen. 2,626,368, Jan. 20.
Electrical discharge lamp. H. E. Krefft. 2,625,671, Jan. 13.
Electrical dry shaver. G. W. Davison. 2,659,139, Nov. 17.
Electrical element. L. H. Berkelhamer. 2,647,192, July 28.
Electrical elevator system having selective control of response to calls. W. F. Eames. 2,624,425, Jan. 6.
Electrical energy regulator. T. S. Ashe. 2,646,479, July 21.
Electrical fault finder. A. J. Dévot. 2,651,752, Sept. 8.
Electrical fixture. J. B. Cataldo. 2,659,873, Nov. 17.
Electrical fixture. R. Pryne. 2,642,241, June 16.
Electrical fixture. K. Versen. 2,639,881, May 26.
Electrical fuel feeding system. H. C. Waterman and F. V. Kuzmitz. 2,644,300, July 7.
Electrical gating circuits. D. L. Curtis. 2,659,815, Nov. 17.
Electrical ground detector. 2,660,717, Nov. 24.
Electrical high-vacuum discharge tube. T. Zimmer and E. Fenner. 2,664,516, Dec. 29.
Electrical indicating means. G. W. Hostetler. 2,648,059, Aug. 4.
Electrical instrument with permanent magnet core. F. X. Lamb. 2,650,349, Aug. 25.
Electrical insulating material. N. F. Arone. 2,660,215, Nov. 24.
Electrical integrator. M. Bevis. 2,646,925, July 28.
Electrical intercommunication system. J. J. B. Lair. 2,651,677, Sept. 8.
Electrical interlock. A. G. Zippler. 2,639,007, May 19.
Electrical line clamp. K. R. Runde. 2,651,766, Sept. 8.
Electrical load break switch. P. B. Hoye. 2,658,977, Nov. 10.
Electrical low pressure flat tire indicator. B. B. Brown. 2,649,519, Aug. 18.
Electrical measuring apparatus, including a condition responsive impedance. W. H. Howe and R. W. Cushman. 2,630,007–8, Mar. 3.
Electrical measuring system, Antihunt. A. J. Hornfeck. 2,652,524, Sept. 15.
Electrical meter. E. G. Perry, Jr. and R. W. Olson. 2,651,754, Sept. 8.
Electrical method and apparatus for geophysical prospecting. R. J. Herbold. 2,660,703, Nov. 24.
Electrical network having distributed capacitance. J. S. Kilby and A. S. Khouri. 2,637,777, May 5.
Electrical outlet box. M. B. Austin, Jr. 2,639,054, May 19.
Electrical outlet box. E. B. Clark and F. W. Fagal. 2,625,288, Jan. 13.
Electrical outlet concrete form clamp. H. M. Stonaker. 2,633,263, Mar. 31.
Electrical outlet, Fuse protected. J. E. Doss. 2,661,413, Dec. 1.
Electrical overload protector. P. C. Talmadge, J. D. Zartman, and R. E. Prouty. 2,651,748, Sept. 8.
Electrical pick-off for gyroscopes. J. E. Lundberg and G. A. Wallace. 2,662,411, Dec. 15.
Electrical potential comparing circuit. D. H. Ransom. 2,649,557, Aug. 18.
Electrical power supply systems for communication system repeaters. R. Kelly. 2,657,279, Oct. 27.
Electrical power system for aircraft. J. D. Miner, Jr., B. O. Austin, and R. D. Jessee. 2,627,038, Jan. 27.
Electrical precipitation system. J. Phyl and J. W. Lenehan. 2,626,676, Jan. 27.
Electrical precipitator. S. R. Allan. 2,648,394, Aug. 11.
Electrical precipitator. R. L. Barr. 2,626,008, Jan. 20.
Electrical precipitator. H. A. Wintermute. 2,654,438, Oct. 6.
Electrical precipitator for gas separation. C. E. Beaver. 2,646,132, July 21.
Electrical precipitator, Liquid washed. H. A. Wintermute. 2,658,582, Nov. 10.
Electrical rate generator. J. E. Taylor. 2,629,859, Feb. 24.
Electrical receptacle for electrical lighting appliances, Variable resistance auxiliary. R. A. McArron. 2,646,489, July 21.
Electrical receptacle having screw-type socket and center contact guide. R. P. Ballou. 2,644,143, June 30.
Electrical rectifying system. C. L. van Weijnsbergen. 2,662,190, Dec. 8.
Electrical reservoir model. J. E. Sherborne May 19.
Electrical resistance element. W. W. Hoel 2,635,222, Apr. 14.
Electrical resistance unit. T. N. Flight and son. 2,662,958, Dec. 15.
Electrical resistivity dip meter. E. V 2,655,632, Oct. 13.
Electrical resistivity logging of mud invaded R. A. Broding. 2,654,064, Sept. 29.
Electrical resistor. O. F. Boykin and H 2,634,352, Apr. 7.
Electrical resistor. H. C. Gorden. 2,664,4
Electrical resistor. W. Kasten and L. C 2,647,976, Aug. 4.
Electrical resistor and making same. M 2,640,132, May 26.
Electrical resistor and resistance elements the Kerridge, M. Belham, and G. Pearce. 2,6 14.
Electrical resistor element and producing the Allen. 2,638,425, May 12.
Electrical resistor or semiconductor. P. Eisle Dec. 15.
Electrical service connector. W. B. Winn. June 2.
Electrical service mast. G. C. Price. 2,625,58
Electrical socket connector with supporting Brooks. 2,657,367, Oct. 27.
Electrical space discharge tube. B. C. Gardner Mar. 10.
Electrical splice box. J. L. Dunn. 2,659,7
Electrical stepping control system. R. N. Eck Apr. 7.
Electrical storage of information on gas-filled Bray, G. C. Hartley, and D. S. Ridler. 2,6 12.
Electrical strip connection, Panel mounted. son. 2,631,184, Mar. 10.
Electrical switch. I. G. O. Brown. 2,629,037
Electrical switch. A. Coles, Jr., and A. Hood. Feb. 24.
Electrical switch. C. W. Concelman. 2,640,1
Electrical switch. A. J. Dawe. 2,650,971, S
Electrical switch. R. H. Earle, J. F. Kuzela Schultz. 2,626,332, Jan. 20.
Electrical switch. R. A. Fryklund. 2,644,863
Electrical switch. R. A. Geselschap. 2,654,
Electrical switch. R. J. Hartz. 2,649,520, A
Electrical switch. J. D. Hoffman, N. J. Rees Hucker. 2,630,510, Mar. 3.
Electrical switch. E. N. Jacobi. 2,650,973,
Electrical switch. J. J. Lucas. 2,660,629, N
Electrical switch. J. C. L. Shabeck, Jr. 2,661
Electrical switch box. S. A. George. 2,636,9
Electrical system. F. J. Hooven. 2,653,290, S
Electrical system. H. E. Tompkins. 2,627,53
Electrical system for altering phase displace quential-type color signals. W. E. Bradley. Aug. 11.
Electrical system for cyclic controls. S. J. Otis. Dec. 1.
Electrical system for internal-combustion engi Baumheckel. 2,629,059, Feb. 17.
Electrical terminal. P. S. Ramos. 2,650,28
Electrical terminal detecting signal. W. 2,646,018, July 21.
Electrical unit, Hermetically sealed. O. J 2,662,930, Dec. 15.
Electrical vibrator. H. J. Brown. 2,660,639,
Electrical watthour meter. R. M. Leippe. Nov. 3.
Electrical wave transforming system. M. 2,663,795. Dec. 22.
Electrical wiring grid, Producing an. G. 2,632,693, Mar. 24.
Electrically conducting laminated glass. R. A. J. H. Boicey. 2,650,976, Sept. 1.
Electrically controlled clutch. C. E. M 2,630,197, Mar. 3.
Electrically controlled lock. R. C. Gaona. May 5.
Electrically disintegrating metallic materi and apparatus for. E. E. Teubner. 2,650,9
Electrically driven mechanism. R. H. Davies Sirotak. 2,653,841. Sept. 29.
Electrically heated lunch box. E. H. Gronlund. Nov. 10.
Electrically heated steering wheel. L. T. Di 2,652,476, Sept. 15.
Electrically indicating dart game board. R 2,629,599, Feb. 24.
Electrically insulated conductor and produc of. S. O. Dorst. 2,650,975, Sept. 1.
Electrically internally heated steering wheel. gent. 2,662,961, Dec. 15.
Electrically operated gas lift valve. L. 2,658,460, Nov. 10.
Electrically operated visual indicator. M. M. B F. E. Rommel. 2,632,888, Mar. 24.
Electrically powered blind riveting tool. J. N 2,654,257, Oct. 6.

Electrifying pulverulent materials, Means for. P. Hampe. 2,659,841, Nov. 17.
Electroacoustic device. A. L. W. Williams. 2,632,634, Mar. 24.
Electrocardiograph. J. Lukacs. 2,638,401, May 12.
Electrocardiograph. H. W. Wood. 2,655,425, Oct. 13.
Electrocardiograph electrode. C. E. Thrasher and F. A. Grosz. 2,660,175, Nov. 24.
Electrocardiograph, Direct writing. M. W. Edinburg. 2,646,336, July 21.
Electrocardiograph with continuous record means. N. Marchand. 2,630,797, Mar. 10.
Electrocardiographs, Multiple-lead. N. Marchand. 2,627,267, Feb. 3.
Electrocardiovectographic device. M. Brosselin. 2,659,363, Nov. 17.
Electrochemical cell and self-venting enclosure therefor. R. Colton. 2,636,062, Apr. 21.
Electrochemical color filter. G. C. Szikiai. 2,632,045, Mar. 17.
Electrochemical conversion of hydrocarbons. W. B. Reeves. 2,664,394, Dec. 29.
Electrocoating strip. J. S. Buser. 2,648,625, Aug. 11.
Electroconductive article. W. O. Lytle. 2,624,823, Jan. 6.
Electroconductive article. W. O. Lytle. 2,648,754, Aug. 11.
Electroconductive articles, Production of. W. O. Lytle and A. E. Junge. 2,651,585, Sept. 8.
Electrode. J. D. Cobine. 2,640,135, May 26.
Electrode and making, Nonemissive. C. V. Litton. 2,641,555, June 9.
Electrode and skimmer for electric glass melting furnaces, Combined. G. C. Nonken. 2,658,094, Nov. 3.
Electrode assembly for gas tubes. E. K. Smith. 2,654,850, Oct. 6.
Electrode clamp. W. E. Moore. 2,647,936, Aug. 4.
Electrode construction for electrical precipitators, Collecting. W. M. Schmidt. 2,631,684, Mar. 17.
Electrode for alkaline batteries. P. A. C. Jacquier. 2,646,457, July 21.
Electrode for electric batteries and making same. O. H. Brill and F. Solomon. 2,654,795, Oct. 6.
Electrode for electric discharge lamps. H. H. Homer and E. F. Lowry. 2,657,325, Oct. 27.
Electrode for electrochemical oxidation. A. M. Suggs and R. S. Dean. 2,636,856, Apr. 28.
Electrode for galvanic cells. C. E. Licharz. 2,636,916, Apr. 28.
Electrode for primary batteries. A. Fischbach and F. Hochberg. 2,656,402, Oct. 20.
Electrode for sparking plugs and their manufacture. A. G. Dowson. 2,642,053, June 16.
Electrode for the electrolysis of seaport and related waters. G. C. Cox. 2,635,077, Apr. 14.
Electrode for underwater cutting. B. Ronay. 2,640,136, May 26.
Electrode for well casing measurements, Retractable. F. G. Boucher. 2,632,795, Mar. 24.
Electrode holder. J. R. Barrow. 2,658,133, Nov. 3.
Electrode holder for arc welding torches, Gas-shielded. A. Bassot, E. Daynié, and A. de Sancy. 2,636,967, Apr. 28.
Electrode holding device. Z. W. Whitehouse. 2,632,780, Mar. 24.
Electrode housing for elongated tubular lamps and terminal contact therefor. S. C. Miller. 2,662,218, Dec. 8.
Electrode housing for gaseous discharge tubular lamps, High-voltage. S. C. Miller. 2,630,469, Mar. 3.
Electrode of carbon. F. Leuchs and H. Zöllner. 2,650,943, Sept. 1.
Electrode spacing regulator utilizing a nonlinear reference impedance device. D. Journeaux. 2,640,947, June 2.
Electrode support and spacing structure for electron discharge devices. C. T. Goddard. 2,663,819, Dec. 22.
Electrodes for electrical and electrochemical systems. A. L. Fox. 2,631,116, Mar. 10.
Electrodes for electrochemical cells. A. L. Fox. 2,631,115, Mar. 10.
Electrodes, Production of. J. Sejersted and O. C. Böckman. 2,653,878, Sept. 29.
Electrodeposited composite article and making the same. G. W. Ahrens. 2,642,654, June 23.
Electrodepositing chromium directly on aluminum. F. Passal. 2,662,054, Dec. 8.
Electrodepositing nickel. S. A. Mayper. 2,625,507, Jan. 13.
Electrodeposition of a magnetic coating. T. H. Bonn and D. C. Wendell, Jr. 2,644,787, July 7.
Electrodeposition of aluminum from nonaqueous solutions. A. Brenner and D. E. Couch. 2,651,608, Sept. 8.
Electrodeposition of bright copper-tin alloy. C. L. Faust and W. G. Hespenheide. 2,658,032, Nov. 3.
Electrodeposition of bright nickel, cobalt, and alloys thereof. H. Brown. 2,654,703, Oct. 6.
Electrodeposition of chromium. N. Hackerman. 2,630,407, Mar. 3.
Electrodeposition of copper and copper alloys upon zinc and zinc alloys. H. Berman and S. Katz. 2,657,176, Oct. 27.
Electrodeposition of metal from alkaline cyanide bath. H. K. De Long. 2,654,702, Oct. 6.
Electrodeposition of nickel. D. G. Ellis. 2,662,853, Dec. 15.
Electrodeposition of nickel. J. D. Little. 2,658,867, Nov. 10.
Electrodeposition of nickel. L. B. Portzer and W. C. Leitenberger. 2,637,687, May 5.
Electrodeposition of nickel. W. J. Shenk, Jr. 2,644,788–9, July 7.
Electrodeposition of phosphorus-nickel and phosphorus-cobalt alloys. A. Brenner, D. E. Couch, and E. K. Williams. 2,643,221, June 23.
Electrodeposition of selenium. M. C. Bloom and J. P. Levy. 2,649,410, Aug. 18.
Electrodeposition of selenium. A. von Hippel and M. C. Bloom. 2,649,409, Aug. 18.
Electrodeposition of tin-nickel alloy. N. Parkinson. 2,658,866, Nov. 10.
Electrodeposition on magnesium and magnesium-base alloys. W. F. Higgins. 2,650,902, Sept. 1.
Electrodialyzing aqueous solutions and apparatus therefor. W. Juda and W. A. McRae. 2,636,852, Apr. 28.
Electrodynamic brake. P. E. Bessiere. 2,632,859, Mar. 24.
Electroformed articles, Making. R. S. Dean. 2,646,396, July 21.
Electroforming gun barrels and liners. A. Brenner. 2,636,849, Apr. 28.
Electrographic reproduction instrumentality, Preparing an. W. C. Huebner. 2,635,534, Apr. 21.
Electrography. J. P. Ebert. 2,647,464, Aug. 4.
Electrohydraulic actuating device. O. Grebe. 2,631,431, Mar. 17.
Electrohydraulic actuating device. O. Grebe and W. Sussebach. 2,636,347, Apr. 28.
Electrohydraulic servo mechanism. W. C. Moog, Jr. 2,625,136, Jan. 13.
Electrohydraulic servo unit. W. D. Teague, Jr. 2,628,594, Feb. 17.
Electrohydraulic system having a safety shutoff valve for its accumulator. A. F. Jelinek. 2,641,106, June 9.
Electroinductively actuated valve. R. B. Matthews. 2,637,344, May 5.
Electrokinetic angular accelerometer. E. V. Hardway, Jr. 2,644,901, July 7.
Electrokinetic device. E. V. Hardway, Jr. 2,644,900, July 7.
Electrokinetic device and electrode arrangement therefor. E. V. Hardway, Jr. 2,644,902, July 7.
Electroluminescent lamp. E. L. Mager. 2,624,857, Jan. 6.
Electroluminescent zinc sulfide phosphor. H. C. Froelich. 2,660,566, Nov. 24.
Electrolyte level indicating attachment. J. F. Prohaska. 2,640,976, June 2.
Electrolyte level indicator. T. L. Kendall and D. P. Gentry. 2,637,209, May 5.
Electrolytes for wet-cell storage batteries. F. A. Johnson. 2,649,766, Aug. 25.
Electrolytic apparatus for production of magnesium. R. M. Hunter, R. D. Blue, and M. P. Neipert. 2,629,688, Feb. 24.
Electrolytic barrier and electrolyte, Combined. W. H. Taylor. 2,647,938, Aug. 4.
Electrolytic capacitor. O. Ness and K. N. Lambert. 2,636,076, Apr. 21.
Electrolytic capacitor and forming the electrodes thereof. J. E. Lilienfeld. 2,662,995, Dec. 15.
Electrolytic capacitor, Molded. H. E. Brafman. 2,628,271, Feb. 10.
Electrolytic chromium from ferrochrome, Production of. R. R. Lloyd, J. B. Rosenbaum and V. E. Homme. 2,663,686, Dec. 22.
Electrolytic coating. J. S. Buser. 2,648,626, Aug. 11.
Electrolytic cell. E. M. Sutherland and H. W. Albrecht. 2,644,337, July 7.
Electrolytic cell and battery. R. A. A. Jeannin. 2,646,455, July 21.
Electrolytic cell, Mercury cathode. H. Shaw, A. Thompson, and T. I. J. Toler. 2,649,411, Aug. 18.
Electrolytic cell or group of cells, Primary. C. A. Dyer. 2,647,155, July 28.
Electrolytic cells of the tank type. D. W. Kent. 2,647,082, July 28.
Electrolytic detinning. F. A. Lowenheim. 2,655,473, Oct. 13.
Electrolytic fluorine cell. R. S. Park. 2,624,703, Jan. 6.
Electrolytic marking, High-speed. H. G. Greig. 2,636,848, Apr. 28.
Electrolytic membrane. S. D. Ross, M. Markarian, and W. W. Schroeder, Jr. 2,648,717, Aug. 11.
Electrolytic method and apparatus for sterilizing water. D. E. Ferris. 2,658,033, Nov. 3.
Electrolytic preparation of periodate oxypolysaccharides. W. Dyonch and C. L. Mehltretter. 2,648,629, Aug. 11.
Electrolytic production of chlorates. W. K. Earnest and E. H. Karr. 2,628,935, Feb. 17.
Electrolytic production of chromium hydride. C. A. Snavely. 2,635,993, Apr. 21.
Electrolytic production of dihydrostreptomycin and salts thereof. G. B. Levy. 2,663,685, Dec. 22.
Electrolytic production of iron. C. W. Balke. 2,626,895, Jan. 27.
Electrolytic production of materials, Process and apparatus for the. B. B. A. Luzzatto. 2,631,972, Mar. 17.
Electrolytic refining of lead. F. C. Mathers and G. B. Lantz. 2,664,393, Dec. 29.

Electrolytic regeneration of spent caustic. P. J. Gaylor. 2,654,706, Oct. 6.
Electrolytic titration cell. R. R. Austin. 2,624,701, Jan. 6.
Electrolytically removing tarnish from silver articles. L. Brannan. 2,632,730, Mar. 24.
Electromagnet, Alternating current. J. F. H. Douglas and C. T. Evans. 2,648,034, Aug. 4.
Electromagnet and cooling means therefor, Adjustable. F. E. Reed, Jr. 2,664,527, Dec. 29.
Electromagnetic actuator. W. H. Gille. 2,628,272, Feb. 10.
Electromagnetic actuator for organ valves. W. H. Reisner, Jr. 2,635,138, Apr. 14.
Electromagnetic apparatus. T. B. Watkins. 2,624,788, Jan. 6.
Electromagnetic audio amplifier. W. C. Kluz. 2,657,281, Oct. 27.
Electromagnetic centrifugal pump. F. E. Crever. 2,652,778, Sept. 22.
Electromagnetic control device with small travel armature and motion increasing means therefor, Combined. S. Karrer. 2,635,637, Apr. 21.
Electromagnetic coupling. R. L. Jaeschke. 2,648,020, Aug. 4.
Electromagnetic coupling. J. L. Winget. 2,636,139, Apr. 21.
Electromagnetic deflection generator. J. D. Spradlin and F. Himelfarb. 2,664,523, Dec. 29.
Electromagnetic deflection yoke. J. S. Bryan. 2,639,314, May 19.
Electro-magnetic device for amplitude-modulation of high-frequency oscillations. W. J. van de Lindt. 2,645,758, July 14.
Electromagnetic device, Two phase. E. I. Ghormley. 2,654,393, Oct. 6.
Electromagnetic fluid pump. N. H. Godbold. 2,655,107, Oct. 13.
Electromagnetic friction device. J. G. Oetzel. 2,650,682, Sept. 1.
Electromagnetic indicator and positioner. W. S. Oliwa. 2,633,566, Mar. 31.
Electromagnetic induction method and apparatus for locating subterranean electrically conductive bodies. S. Davidson. 2,652,530, Sept. 15.
Electromagnetic operator. L. B. Forman. 2,629,007, Feb. 17.
Electromagnetic power mechanism. G. H. Leland. 2,626,681, Jan. 27.
Electromagnetic pump. K. O. Donelian. 2,658,452, Nov. 10.
Electromagnetic pump. A. Van Ryan. 2,627,811, Feb. 10.
Electromagnetic radiating or receiving apparatus. R. J. Lees, H. G. Booker, and C. H. Westcott. 2,632,851, Mar. 24.
Electromagnetic-radiating system. H. J. Riblet. 2,638,588, May 12.
Electromagnetic relay. B. O. Austin. 2,660,641, Nov. 24.
Electromagnetic relay. B. W. Brion. 2,633,488, Mar. 31.
Electromagnetic relay. R. D. Jessee. 2,647,185, July 28.
Electromagnetic relay. K. L. Johansson. 2,664,478, Dec. 29.
Electromagnetic relay armature mounting and biasing. G. Deakin. 2,641,665, June 9.
Electromagnetic relay with multiple inverse time relationships. J. H. Michael. 2,636,935, Apr. 28.
Electromagnetic scanning amplifier circuit. C. R. Knight. 2,627,588, Feb. 3.
Electromagnetic sequence relay switch. W. Tingley. 2,634,348, Apr. 7.
Electromagnetic slip coupling. O. Karsten. 2,650,315, Aug. 25.
Electromagnetic stepping mechanism. D. E. Hooker. 2,627,755, Feb. 10.
Electromagnetic straight-line motor. F. C. Fisher. 2,640,955, June 2.
Electromagnetic switch. E. C. Ballman. 2,629,031, Feb. 17.
Electromagnetic switch. T. J. Wilson. 2,642,508, June 16.
Electromagnetic transducer head. M. Camras. 2,653,189, Sept. 22.
Electromagnetic type of mixer. O. Wagner. 2,641,452, June 9.
Electromagnetic valve. J. A. Wasser. 2,650,617, Sept. 1.
Electromagnetic vibrating contact device and control. A. Winther. 2,651,732, Sept. 8.
Electromagnetic vibrator apparatus for treating molten metal. D. Von Ludwig. 2,660,414, Nov. 24.
Electromagnetic wave controlling apparatus. T. J. Keary. 2,638,547, May 12.
Electromagnetic wave microwave frequency filter. W. D. Lewis. 2,663,848, Dec. 22.
Electromagnetic wave microwave frequency structure using hybrid junctions. D. H. Ring. 2,639,326, May 19.
Electromagnetic wave transmission system. C. A. Bays. 2,653,220, Sept. 22.
Electromagnetically actuated control for servo mechanisms. L. J. Moulton. 2,653,579, Sept. 29.
Electromagnetically actuated mechanical double-friction coupling. A. Doebeli. 2,658,593, Nov. 10.
Electromagnetically actuated valve. J. B. Parsons. 2,638,125, May 12.
Electromagnetically controlled valve. H. 2,640,495, June 2.
Electromagnetically operated friction clutch. F. 2,647,601, Aug. 4.
Electromagnets, Manufacturing. G. Duyck. Aug. 11.
Electromechanical calculating apparatus. 2,625,327, Jan. 13.
Electromechanical filter. M. L. Anthony a Virkus. 2,652,542–3, Sept. 15.
Electromechanical filter. W. V. Roberts. Mar. 10.
Electromechanical filter. W. van B. Roberts Burns, Jr. 2,647,948, Aug. 4.
Electromechanical relay. J. A. Dreyfus. 2,661,
Electromechanical transducer. L. J. Anderson Duncan. 2,645,683, July 14.
Electrometer, Snap action. T. A. Rich. 2,65 17.
Electrometric titration apparatus, Automat Lingane. 2,650,256, Aug. 25.
Electron apparatus for high-frequency performa Wagner. 2,632,127, Mar. 17.
Electron beam controlling system. D. S. Bond Moore. 2,634,325, Apr. 7.
Electron beam discharge device. R. J. 2,644,906, July 7.
Electron beam vacuum tube. G. B. Loper. Sept. 29.
Electron control system responsive to changes able. A. J. Hornfeck. 2,632,846, Mar. 24.
Electron discharge apparatus. J. H. Fremlin Hall. 2,645,739, July 14.
Electron discharge circuits. J. Mofenson. June 16.
Electron discharge device. G. J. Agule. 2,648,
Electron discharge device. H. G. Anderson. Jan. 13.
Electron discharge device. D. L. Benedict. May 19.
Electron discharge device. L. P. Garner. Apr. 21.
Electron discharge device. W. N. Parker. Apr. 21.
Electron discharge device. J. Rothstein. Mar. 3.
Electron discharge device. E. J. Walsh. 2,66 24.
Electron discharge device. E. J. Walsh. 2,66 22.
Electron discharge device. C. F. West. 2,66 24.
Electron discharge device and circuits for coaxial line amplifiers. E. M. Bradburd. June 23.
Electron discharge device and method of L. E. Cisne. 2,641,726, June 9.
Electron discharge device and processing ther Ford. 2,656,489, Oct. 20.
Electron discharge device and system. 2,662,993, Dec. 15.
Electron discharge device anode. R. C. Scott. Sept. 22.
Electron discharge device arrangement, Coaxi onator. A. Horvath. 2,662,937, Dec. 15.
Electron discharge device, including cavity L. Malter. 2,637,004, Apr. 28.
Electron discharge device of the cavity reso C. T. Goddard. 2,635,207, Apr. 14.
Electron discharge device of the magnetron t Brown. 2,624,861, Jan. 6.
Electron discharge device of the resonator Apstein. 2,656,483, Oct. 20.
Electron discharge device of the traveling High-frequency. N. E. Lindenblad. Re. 2 21.
Electron discharge device of the velocity vari W. G. Shepherd. 2,641,732, June 9.
Electron discharge device such as television t tube. A. F. Henson. 2,648,794, Aug. 11.
Electron discharge device, Tunable. A. D 2,629,069, Feb. 17.
Electron discharge device, Velocity modulati McArthur. 2,632,866, Mar. 24.
Electron discharge device, Wave propagatin Lines. 2,641,731, June 9.
Electron-discharge devices, Manufacture of. W 2,632,231, Mar. 24.
Electron discharge glow control electrode. G. and L. C. Baker. 2,627,045, Jan. 27.
Electron-discharge system. W. C. Brown. Sept. 1.
Electron emitter. J. M. Lafferty. 2,639,399,
Electron emitter for electron tubes. P. D. 2,647,067, July 28.
Electron gun. A. V. Hollenberg. 2,652,512,
Electron gun centering device for cathode- H. W. Leighton. 2,656,481, Oct. 20.
Electron gun for cathode-ray tubes. W. H. V 2,627,585, Feb. 3.
Electron microscope focusing device. H. T. 2,626,358, Jan. 20.

Electron multiplier, Magnetic. L. G. Smith. 2,664,515, Dec. 29.
Electron-optical image intensifier. M. C. Teves and T. Tol. 2,663,814, Dec. 22.
Electron oscillator circuit. L. J. Giacoletto. 2,646,531, July 21.
Electron source. L. J. Cook. 2,640,949, June 2.
Electron tube. G. J. Agule. 2,625,664, Jan. 13.
Electron tube. G. J. Agule. 2,640,168, May 26.
Electron tube. H. D. Doolittle, W. A. Zarth, and R. H. Rheaume. 2,655,614, Oct. 13.
Electron tube. D. F. Drieschman and E. F. Wesenberg. 2,644,907, July 7.
Electron tube. W. W. Eitel and J. A. McCullough. 2,629,066, Feb. 17.
Electron tube. D. A. Sokolov. 2,646,524, July 21.
Electron tube circuit. R. B. Buchner. 2,654,029, Sept. 29.
Electron tube circuits. P. N. Martin. 2,645,716, July 14.
Electron tube heat-dissipating radiator and fabricating same. N. Anton. 2,653,800, Sept. 29.
Electron tube marking. J. Weingarten. 2,657,133, Oct. 27.
Electron tube mount and method of assembly. W. K. Batzle. 2,625,665, Jan. 13.
Electron tube structure for the production of annular beams of electrons. L. F. Broadway, N. C. Barford, and A. F. Pearce. 2,647,220, July 28.
Electron tube voltage protection circuit. A. A. Barco. 2,627,051, Jan. 27.
Electronic accumulator. R. E. Mumma. 2,625,326, Jan. 13.
Electronic aircraft gun fire control computer. L. J. B. La Coste. 2,624,510, Jan. 6.
Electronic apparatus and mounting. B. R. Shepard and R. B. Crandell. 2,651,007, Sept. 1.
Electronic bit tester. R. S. Segsworth. 2,642,482, June 16.
Electronic calculating machine. B. E. Phelps. 2,624,507, Jan. 6.
Electronic code pulse receiving circuit. W. H. T. Holden. 2,633,495, Mar. 31.
Electronic code-typewriter system. N. G. A. Dorfman. 2,662,112, Dec. 8.
Electronic color television. L. W. Parker. 2,657,331, Oct. 27.
Electronic color television. L. W. Parker. 2,660,684, Nov. 24.
Electronic control apparatus. W. H. Gille. 2,661,449, Dec. 1.
Electronic control circuit. R. H. Floyd. 2,659,008, Nov. 10.
Electronic control for contour milling machines. G. F. Kelk. 2,655,630, Oct. 13.
Electronic control for flushing apparatus. J. R. McRae. 2,649,591, Aug. 25.
Electronic control for inductive apparatus. R. L. Jaeschke. 2,655,612, Oct. 13.
Electronic counter. J. C. Manley. 2,646,534, July 21.
Electronic counting and/or selecting arrangement. J. R. Acton. 2,651,004, Sept. 1.
Electronic counting circuit. E. O. Holland. 2,644,886, July 7.
Electronic counting circuits. D. P. Faulk. 2,624,842, Jan. 6.
Electronic curve tracer. J. W. Balde, J. C. Bregar, and K. L. Chapman. 2,626,980, Jan. 27.
Electronic device for very high frequencies. G. Bezy. 2,627,050, Jan. 27.
Electronic discharge device. J. A. Rajchman. 2,635,201, Apr. 14.
Electronic discharge tube. E. Touraton and C. Weill. 2,641,725, June 9.
Electronic dividing and multiplying apparatus. A. H. Dickinson, B. E. Phelps, and C. A. Bergfors. 2,624,508, Jan. 6.
Electronic equipment cooling means. A. D. Greene. 2,643,282, June 23.
Electronic fluxmeter and alternating current. G. J. Perlow and E. R. Haberland. 2,624,778, Jan. 6.
Electronic hardness sorter. M. J. Diamond. 2,647,628, Aug. 4.
Electronic heat-treating device. H. F. Kincaid, J. D. Graham, D. J. Reynolds, and E. M. Wharff. 2,657,301, Oct. 27.
Electronic impulse generator. J. R. Desch. 2,644,087, June 30.
Electronic impulse generator. C. F. Rench. 2,648,835, Aug. 11.
Electronic induction translator. T. L. Dimond. 2,657,272, Oct. 27.
Electronic information storage device. F. C. Williams. 2,642,550, June 16.
Electronic limit control circuit. C. A. Schurr. 2,641,697, June 9.
Electronic locking circuit. W. A. Miller. 2,631,231, Mar. 10.
Electronic machine for therapeutic purposes. P. S. Hanway. 2,635,606, Apr. 21.
Electronic memory device. J. T. Potter. 2,650,830, Sept. 1.
Electronic motor control circuit. H. P. Raab. 2,664,533, Dec. 29.
Electronic motor control circuit. O. E. Sawyer and H. R. Warren. 2,627,594, Feb. 3.
Electronic oscillator synchronizing circuit. A. G. Emslie. 2,659,009, Nov. 10.
Electronic phase shifting system. A. E. Canfora. 2,636,984, Apr. 28.
Electronic position and motion control system. C. L. Calosi. 2,627,055, Jan. 27.
Electronic pressure indicator. L. E. Ellison. 2,662,408, Dec. 15.
Electronic pulse generator. N. A. Moerman. 2,637,810, May 5.
Electronic pulse generator. N. A. Moerman. 2,639,378, May 19.
Electronic pulse modulator switch. L. S. Hutson. 2,633,528, Mar. 31.
Electronic pulse spacer. G. E. Hagen. 2,637,812, May 5.
Electronic relay control. J. Holmes. 2,662,155, Dec. 8.
Electronic ripple suppression filter. J. Edwards. 2,629,014, Feb. 17.
Electronic scanning apparatus. R. A. Westervelt and R. L. Cummerow. 2,645,741, July 14.
Electronic sequence control for intermittent operation of rotary electrode welding apparatus. J. J. Riley and R. Alm. 2,662,959, Dec. 15.
Electronic sequence control, particularly for travel head seam welders. J. J. Riley and W. S. Dustman. 2,648,749, Aug. 11.
Electronic signal tracking circuits. F. C. Williams and N. F. Moody. 2,639,419, May 19.
Electronic switch. E. A. Goldberg. 2,632,046, Mar. 17.
Electronic switch. P. Jeanlin. 2,647,172, July 28.
Electronic switch. A. J. Rack. 2,657,318, Oct. 27.
Electronic torque control. J. B. Winther. 2,625,037, Jan. 13.
Electronic trigger circuit. H. N. Crooks. 2,635,214, Apr. 14.
Electronic tuning or indicating tube. W. Jacobi, H. Hinderer, and K. Buchta. 2,639,398, May 19.
Electronic voltage regulator. J. E. Williams. 2,629,854, Feb. 24.
Electronic voltage regulator circuit. D. C. Cook and C. M. Gilbert. 2,653,235, Sept. 22.
Electronically controlled relay. C. W. Davis. 2,624,784, Jan. 6.
Electrooptical system. W. P. Mason. 2,649,027, Aug. 18.
Electrooptical translating system. A. M. Skellett. 2,639,401, May 19.
Electrophoretic borating of copper wire. R. E. Palmateer. 2,640,024, May 26.
Electrophoretic insulating coating. H. T. Swanson. 2,635,995, Apr. 21.
Electrophoretic liquid analysis apparatus having a diaphragm and cylindrical lens in the optic path. K. G. Stern. Re. 23,653, May 5.
Electrophotographic plate and producing same. A. E. Middleton. 2,663,636, Dec. 22.
Electrophotographic plate, Producing an. A. E. Middleton and O. J. Mengali. 2,662,832, Dec. 15.
Electrophotographic powder-image transfer mechanism, Portable. C. R. Mayo and R. W. Benson. 2,626,865, Jan. 27.
Electrophysiotherapy apparatus. J. Batrow. 2,641,259, June 9.
Electroplating apparatus. C. J. Sommers. 2,642,392, June 16.
Electroplating barrel. G. Dubpernell and S. M. Martin. 2,624,728, Jan. 6.
Electroplating barrel. A. M. Lazaro. 2,640,025, May 26.
Electroplating copper. A. E. Chester. 2,651,609, Sept. 8.
Electroplating of copper from cyanide electrolytes. G. W. Jernstedt and J. D. Patrick. 2,636,850, Apr. 28.
Electroplating of nickel. H. Brown. 2,647,866, Aug. 4.
Electroplating of nickel. H. Brown. 2,648,628, Aug. 11.
Electroplating of nickel. H. Brown and L. B. High. 2,654,704, Oct. 6.
Electroplating on aluminum. K. L. van der Horst. 2,650,901, Sept. 1.
Electroplating rack. H. F. Jones and H. R. Colby. 2,643,225, June 23.
Electroplating zinc. A. E. Chester. 2,651,610, Sept. 8.
Electroplating zinc using titanium containing electrolyte. R. J. Wean. 2,646,397, July 21.
Electropolishing sterling silver. F. Sullivan. 2,661,330, Dec. 1.
Electroprocessing apparatus. H. P. Henderson. 2,646,398, July 21.
Electropneumatic control system. H. E. Kennedy. 2,629,365, Feb. 24.
Electrostatic capacitor. F. Kopinski. 2,653,281, Sept. 22.
Electrostatic coating method and apparatus. R. E. Helmuth. 2,662,833, Dec. 15.
Electrostatic condensers, Manufacturing. D. R. Clemons. 2,651,101, Sept. 8.
Electrostatic deflection system. W. J. Oestreicher. 2,659,022, Nov. 10.
Electrostatic detearing apparatus. H. K. Stoddard. 2,640,459, June 2.
Electrostatic filter. C. W. Savitz. 2,639,781, May 26.
Electrostatic machine. N. Felici. 2,656,502, Oct. 20.
Electrostatic machine. P. Okey. 2,662,191, Dec. 8.
Electrostatic precipitator. R. L. Barr and E. G. Hills. 2,650,672, Sept. 1.

Electrostatic precipitator. A. C. Fields. 2,632,522, Mar. 24.
Electrostatic precipitator. A. C. Fields. 2,662,608, Dec. 15.
Electrostatic precipitator. G. W. Hewitt and J. S. Lagarias. 2,661,809, Dec. 8.
Electrostatic voltage power generator. W. P. Smith. 2,643,349, June 23.
Electrostatically charging spray material, Means for. D. J. Peeps. 2,625,590, Jan. 13.
Electrotherapeutic device. J. P. Di Perna. 2,624,342, Jan. 6.
Electrotherapeutic oscillator. C. B. Howard. 2,656,839, Oct. 27.
Electrothermal production of shale oil. F. Ljungstrom. 2,634,961, Apr. 14.
Electrotyper's case. G. W. Bungay. 2,651,614, Sept. 8.
Electrowinning of chromium. M. C. Carosella and J. D. Mettler. 2,650,192, Aug. 25.
Electrowinning of chromium. M. C. Carosella and J. D. Mettler. 2,651,611, Sept. 8.
Element for facilitating the assembly by bolts of constructional members. E. Desbruères. 2,633,175. Mar. 31.
Elevated storage tank. B. Blackburn. 2,657,819, Nov. 3.
Elevating and dumping apparatus. L. J. Collins. 2,657,815, Nov. 3.
Elevating apparatus. J. A. Kroll and G. M. Smith. 2,631,008, Mar. 10.
Elevating means for lance type lubricant pumps. A. P. Fox. 2,639,062, May 19.
Elevating means for row markers. B. H. Allen. 2,657,623, Nov. 3.
Elevating mechanism for overhead doors. J. D. McFadden. 2,625,390, Jan. 13.
Elevating platform for typewriters. F. W. Bollhoefer. 2,624,535, Jan. 6.
Elevation meter. F. L. Johnson and F. M. Mayes. 2,647,323, Aug. 4.
Elevation of granular solids. F. W. Bowen. 2,653,058, Sept. 22.
Elevator, Adjustable grain. J. R. Howe. 2,630,905, Mar. 10.
Elevator and tail gate, Power-operated, K. Y. Messick. 2,624,477, Jan. 6.
Elevator apparatus for vehicles. J. J. Black. 2,635,771, Apr. 21.
Elevator attachment for ladders, Material. G. Eppink. 2,626,683, Jan. 27.
Elevator brake. H. Berkovitz. 2,663,387, Dec. 22.
Elevator, Brine tank. T. C. Schenk. 2,661,751, Dec. 8.
Elevator casing and close fitting adjustable feed chute. S. M. Mercier. 2,661,088, Dec. 1.
Elevator control, Automatic. J. H. Borden and W. A. Nikazy. 2,652,903, Sept. 22.
Elevator control system. A. E. Frifance and T. F. Jarvis. 2,662,204, Dec. 8.
Elevator control system. A. O. Lund. 2,641,337, June 9.
Elevator control system. C. Savage. 2,657,765, Nov. 3.
Elevator, Conveyer type grain and material. J. C. and A. J. Alpers. 2,632,556, Mar. 24.
Elevator divider. C. H. Neer. 2,646,156, July 21.
Elevator door interlock. W. Healey. 2,626,018, Jan. 20.
Elevator door operating mechanism. J. H. Borden. 2,637,549, May 5.
Elevator for a portion of a vehicle bed. R. O. Bill. 2,650,724, Sept. 1.
Elevator for chopped material, Fan type. C. W. Hansen. 2,630,351, Mar. 3.
Elevator for concrete mixers, Portable. E. Bartling. 2,624,480, Jan. 6.
Elevator for flour mill stocks, Pneumatic. G. Watts. 2,639,862, May 26.
Elevator for trucks, Loading and unloading. H. Lehrman. 2,653,678, Sept. 29.
Elevator grapple. G. E. Falling. 2,644,713, July 7.
Elevator housing, Bucket. S. M. Mercier. 2,661,089, Dec. 1.
Elevator, Hydraulic. C. A. Anderson, Jr. 2,647,590, Aug. 4.
Elevator, Material. S. D. Russell. 2,644,570, July 7.
Elevator mechanism. A. Rancourt. 2,649,934, Aug. 25.
Elevator overload safety device. W. Doolan. 2,644,547, July 7.
Elevator, Pile. K. S. Macey. 2,639,917, May 26.
Elevator, Pile. L. C. Williams. 2,654,601, Oct. 6.
Elevator, Pile. L. C. Williams and N. H. Runge. 2,654,603, Oct. 6.
Elevator, Pipe. W. E. Kittler. 2,662,791, Dec. 15.
Elevator, Pipe. A. L. Stone. 2,661,979, Dec. 8.
Elevator, Pit-type electric. H. J. Hulsart. 2,661,816, Dec. 8.
Elevator, Rod. J. C. Cobb. 2,636,769, Apr. 28.
Elevator, Rotary slip. C. Ware. 2,642,642, June 23.
Elevator safety brake. N. Di Bartolomeo. 2,634,829, Apr. 14.
Elevator safety device. O. E. Moyer. 2,629,461, Feb. 24.
Elevator shaft door. J. A. Schweig. 2,624,081, Jan. 6.
Elevator system having speed regulation and position control. W. H. Esselman. 2,643,741, June 30.
Elevator system, Selectively zoned. W. F. Eames. 2,642,158, June 16.
Elevator tower assembled from prefabricated C. North. 2,644,545, July 7.
Elevator, Underground vehicle parking. F. M Nash. 2,627,942, Feb. 10.
Elevator, Vehicle hauling. R. D. and D. L 2,656,034, Oct. 20.
11α-hydroxy-4-androstene-3,17-dione. H. C. D. H. Peterson. 2,656,370, Oct. 20.
11 alpha-hydroxy-17 alpha-methyltestosterones thereof. H. C. Murray and D. H. Peterson. Nov. 24.
11-alpha-hydroxy-3,20-diketopregnanes. A. 2,647,135, July 28.
11 alpha, 17 alpha, 21-trihydroxyallopregnane ters. W. P. Schneider. 2,659,744, Nov. 17.
11 alpha, 17 alpha, 21-trihydroxypregnane-3,20 C. Murray and D. H. Peterson. 2,659,74
11-keto-17 alpha-progesterone. H. C. Murray Peterson. 2,659,741, Nov. 17.
Elevon stick control. T. A. Feeney and W. 2,660,383, Nov. 24.
Eliminating an undesired component of seis R. G. Piety. 2,634,398, Apr. 7.
Elimination of faller bar creep in pin draft Longstreet and R. Jacques. 2,643,419, Jun
Elimination of objectionable odors from soap. and P. D. Stengel. 2,660,589, Nov. 24.
Ellipsograph. R. Aukstuolis. 2,636,272, Apr
Ellipsograph. J. C. Coats. 2,646,623, July
Ellipsograph. P. O. Solon. 2,654,952, Oct.
Elliptical conoidal sound reproducing diaphra Hurley. 2,662,606, Dec. 15.
Elongation indicator. J. E. Micksch. 2,652,63
Elutriator for hydrocarbon conversion system gaard. 2,656,920, Oct. 27.
Embalming apparatus. W. S. Moore. 2,626,4
Emblem or the like holder attachment for license plates. F. A. McDermott. 2,636,29
Embossed article and product thereof, Mak Murray. 2,652,352, Sept. 15.
Embossed decorating. H. P. Fischer. 2,626,5
Embossing device. E. J. Rowan. 2,630,201,
Embossing machine. G. C. Brainard and J. 2,645,322, July 14.
Embossing machine for stamping numbers on like. N. H. Turner and L. N. Lloyd. 2,64 16.
Embossing rolls. F. A. Sunderhauf and J. 2,662,002, Dec. 2.
Embroidering machine. E. Gerber. 2,653,55
Embroidery attachment for zigzag sewing mach Zucker. 2,645,195, July 14.
Embroidery machine and coded-tape control Casper. 2,649,065, Aug. 18.
Emergency acting control unit for fluid bra Lawson. 2,656,145, Oct. 20.
Emergency control for centralized traffic cont H. C. Van Tassel. 2,656,455, Oct. 20.
Emergency cutting means for wearing appare 2,654,964, Oct. 13.
Emergency dynamic braking system. M. D. A. McLanahan. 2,660,126, Nov. 24.
Emergency exit means for aircraft. W. 2,658,702, Nov. 10.
Emergency fire escape system. W. Hakkarinen Feb. 24.
Emergency grapple. L. F. Poisal. 2,651,539,
Emergency landing pitch control means on rotor. A. Muther. 2,643,726, June 30.
Emergency shutoff valve. C. H. Horn and S 2,645,239, July 14.
Emergency traction device. C. J. Gardetto. Sept. 8.
Emergency valve. W. L. Houston, Jr. and M. 2,637,333, May 5.
Empennage control structure. E. Ambroise. June 30.
Emplacement form. W. L. Pellanda, Jr. Nov. 3.
Employing an elongated flexible member for obstructions from conduits, Method of and J. V. O'Brien. 2,631,113, Mar. 10.
Employing sonic waves in heat exchange, apparatus. G. A. Worn and F. L. Rubin. Dec. 29.
Emulsifier for the intimate mixing of a liquid B. Rekk. 2,633,344, Mar. 31.
Emulsifying apparatus. J. F. Miller and M ski. 2,662,752, Dec. 15.
Emulsifying polymerizable compounds and ef merization with the emulsions. J. J. Adams Oct. 13.
Emulsion copolymerization of sulfur dioxide rated organic compounds. W. W. Crouch Cotton. 2,645,631, July 14.
Emulsion of artificial resins, Three-phase. 2,632,740, Mar. 24.
Emulsion polymerization in the presence of reducing composition. I. M. Kolthoff and A 2,647,109, July 28.
Emulsion polymerization of unsaturated o pounds. E. J. Vandenberg. 2,648,657–8,

Emulsion polymerization of vinyl acetate. J. E. Bristol, W. A. Harrington, and N. Turnbull. 2,662,863, Dec. 15.
Emulsion polymerization of vinyl acetate. J. E. Bristol and N. Turnbull. 2,662,866, Dec. 15.
Emulsion polymerization of vinylidene compounds in the presence of carbamates of polyamines. C. A. Uraneck and A. C. Rothlisberger. 2,629,709, Feb. 24.
Emulsion polymerization of vinylidene compounds in the presence of hydrazine-polyaminecarbamate compositions. C. A. Uraneck and R. J. Goertz. 2,629,708, Feb. 24.
Emulsion polymerization process. F. H. Norris. 2,635,086, Apr. 14.
Emulsion polymerization process. H. F. Park. 2,643,995, June 30.
Emulsion treater. C. C. Johnson. 2,656,925, Oct. 27.
Emulsion treater. S. A. Wilson. 2,656,006, Oct. 20.
Emulsions of polymethyl vinyl ketone, Making. R. E. Davies and S. B. McFarlane. 2,631,987, Mar. 17.
Enamel and making it, Translucent metallic. R. E. Pike. Re. 23,722, Oct. 13.
Encapsulating liquid and semiliquid substances and the like, Method of and apparatus for. A. M. Donofrio. 2,624,164, Jan. 6.
Enclosed arc lamp. H. B. Deri. 2,629,836, Feb. 24.
Enclosed clutch-brake motor. L. A. Wendel. 2,650,995, Sept. 1.
Enclosed fountain gravure press. J. R. Caulfield. 2,630,065, Mar. 3.
Enclosed switch. R. N. Rowe. 2,636,960, Apr. 28.
Enclosed swinging concealed head lamp. F. J. Salzer. 2,636,111, Apr. 21.
Enclosing articles in tubular wrappers. W. S. Cloud. 2,643,496, June 30.
Enclosure device for pet animals. G. H. Herbert. 2,659,344, Nov. 17.
Enclosure for electrical equipment. R. H. Kingdon. 2,634,319, Apr. 7.
Enclosure for infants, Collapsible and convertible. F. M. Bishoff. 2,633,579, Apr. 7.
Enclosure formed by extruded side walls having an integral flange. R. W. Ross. 2,644,602, July 7.
End-attaching device. E. F. Prestinari and J. F. Sand. 2,648,886, Aug. 18.
End bell assembly for dynamoelectric machines. F. V. Forss and G. N. Neff. 2,650,992, Sept. 1.
End bell or end bracket for motors. R. A. Stein. 2,663,810, Dec. 22.
End brace for Venetian blind head bars. H. K. Lorentzen. 2,651,358, Sept. 8.
End closure for pup joints used in coating the interior of pipe lines. A. C. Curtis. 2,663,326, Dec. 22.
End coating of packages, Method and means for the. S. Bergstein. 2,632,918, Mar. 31.
End connection for bracelets and the like. H. Ruf. 2,638,652, May 19.
End connection for push-pull cables. J. F. Morse. 2,643,146, June 23.
End connection for slide fasteners, Separable. R. W. Simpson. 2,655,704, Oct. 20.
End connection for tubular lamps. J. W. Easter. 2,642,521, June 16.
End construction for billfolds. W. G. Schiller. 2,650,631, Sept. 1.
End fitting for slide fasteners, Separating. F. L. Morrow. 2,640,255, June 2.
Endgate. R. R. Bruning. 2,635,688, Apr. 21.
Endgate actuating mechanism for carry-type scrapers, Rear. R. G. Le Tourneau. 2,637,124, May 5.
Endgate control for dump trucks. N. Helsel, Jr. 2,653,847, Sept. 29.
Endgate for trucks, Adjustable. J. E. Smith. 2,631,056, Mar. 10.
End member for box type link chains. J. Moretti. 2,634,593, Apr. 14.
End roll adjustment. E. T. Peterson. 2,651,956, Sept. 15.
End seal for printing rollers. J. J. Hitov. 2,625,735, Jan. 20.
End underframe weldment for railway cars of the passenger train type. A. G. Dean. 2,646,009, July 21.
Endless belt magnetic separator. S. G. Injeski. 2,661,092, Dec. 1.
Endless cable conveyer carrying loads that are suspended or remain in contact with the ground. J. Pomagalski. 2,624,289, Jan. 6.
Endless tread traction attachment for vehicles. C. Junker. 2,627,442, Feb. 3.
Energizer for petroleum fuels. K. C. Alward. 2,627,257, Feb. 3.
Energizing and timing device, Gas tube. S. C. Rockafellow. 2,628,331, Feb. 10.
Energizing spring retainer for one-way clutches. L. T. Ssady. 2,625,246, Jan. 13.
Energizing system for borehole radioactivity apparatus. S. Krasnow and M. J. Test. 2,640,161, May 26.
Energy-supply system. R. E. De Cola. 2,658,163, Nov. 3.
Engageable and releasable axle clutch. J. Lydfors. 2,654,455, Oct. 6.
Engagement station for automatic pilots. F. H. S. Rossire. 2,663,519, Dec. 22.

Engine: *See*—
Closed cycle engine.
Compound combustion engine.
Compound engine.
Compression ignition internal-combustion engine.
Disk valve pulse jet engine.
Expansion engine.
Fluid-powered engine.
Four-stroke internal-combustion engine.
Gas engine.
Gas expansion engine.
Gas turbine and like engine.
Gas turbine engine.
Hydraulic drive internal-combustion engine.
Hydraulic engine.
Internal-combustion engine.
Multicrankshaft engine.
Multiple cylinder internal-combustion engine.
Multiple stage rotary translation engine.
Paper pulp beating engine.
Radial cylinder engine.
Radial engine.
Ram jet engine.
Reaction propulsion engine.
Reciprocatory engine.
Rotary engine.
Rotary expansion engine.
Rotary gas engine.
Rotary piston internal-combustion engine.
Rotary valve controlled multicylinder internal-combustion engine.
Self-ignition internal-combustion engine.
Semiopen circuit gas-turbine engine.
Solar engine.
Supercharging four-stroke internal-combustion engine.
Thermojet engine.
Two-cycle diesel engine.
Two-cycle internal-combustion engine.
Two-cycle rear piston compression engine.
Two-cycle scavenging internal-combustion engine.
Two-stroke cycle internal-combustion engine.
Two-stroke internal-combustion engine.
V-6 engine.
Valveless pulse jet engine.
Wind engine.

Engine. W. W. Smith. 2,661,699, Dec. 8.
Engine adapted to operate with or without atmospheric air chiefly for the propulsion of warships, Turbine gas. M. H. L. Sédille. 2,655,788, Oct. 20.
Engine and flame holder therefor, Ram jet. E. R. Sargent. 2,632,994, Mar. 31.
Engine and improved crankcase induction means therefor, Two-cycle. E. C. Kiekhaefer. 2,639,699, May 26.
Engine and operating the same, Two-cycle. E. C. Kiekhaefer. 2,627,255, Feb. 3.
Engine and pneumatic transmission drive, Internal-combustion. J. E. Johansson. 2,648,189, Aug. 11.
Engine and turbine, Combined internal-combustion. J. L. Stott. 2,647,363, Aug. 4.
Engine apparatus designed to burn wet pulverized fuel, Gas turbine. E. F. Miller. 2,648,950, Aug. 18.
Engine block heater. M. J. Mariska. 2,627,258, Feb. 3.
Engine casing construction, Internal-combustion. M. Ware. 2,647,494, Aug. 4.
Engine cleaning equipment. E. J. Sanders, J. A. Wiens, and E. J. McClave. 2,640,724, June 2.
Engine combination, Mixed pressure turbine. O. J. Baggerud. 2,662,369, Dec. 15.
Engine compressor control. A. Bernal. 2,627,371, Feb. 3.
Engine construction, Barrel-type internal-combustion. F. L. Fulke. 2,630,100, Mar. 3.
Engine construction, Internal-combustion. A. S. Bosma. 2,630,881, Mar. 10.
Engine control apparatus, Reversible. R. C. Brooks. 2,635,417, Apr. 21.
Engine control for aircraft. C. H. Swaab. 2,664,166, Dec. 29.
Engine control system for automotive vehicles. J. W. Morse, S. P. Miles, and R. A. Bell. 2,649,908, Aug. 25.
Engine controller. H. Carson and C. L. Muzzey. 2,649,161, Aug. 18.
Engine controller. C. H. Jorgensen and W. T. Nickel. 2,634,715, Apr. 14.
Engine cooling and exhaust arrangement. R. N. Wallace. 2,653,585, Sept. 29.
Engine cooling system, Aircraft jet. L. A. Williamson, Jr., and G. H. Schwab, Jr. 2,631,796, Mar. 17.
Engine cooling system utilizing waste heat. L. C. Harbert and W. G. Corey. 2,649,082, Aug. 18.
Engine corrosion preventive. W. H. Adams and W. D. Ervine. 2,648,643, Aug. 11.
Engine crankcase breather and oil separator. H. H. Wagner and E. B. Williams. 2,642,052, June 16.
Engine-driven vapor compression distillation. A. C. Buffum. 2,637,684, May 5.
Engine enclosing two thermodynamic cycles, Hot gas. C. O. Jonkers, J. W. L. Köhler, H. Rinia, and A. A. Liebe. 2,657,528, Nov. 3.
Engine filter. J. C. Slonneger. 2,650,712, Sept. 1.
Engine for aircraft propulsion, Explosion-cycle inducer-disk valve turbojet. H. A. Cook. 2,659,198, Nov. 17.
Engine for transmitting forces developed therein. H. De Waide. 2,658,486, Nov. 10.
Engine fuel and speed control, Internal-combustion. L. Lee, II. 2,643,513, June 30.
Engine fuel control for internal expansion engine fuel systems. D. N. Walker. 2,642,719, June 23.
Engine fuel control, Hot-gas. H. L. Muller and W. K. Bouwman. 2,657,527, Nov. 3.
Engine-generator set, Portable. C. H. Wiegman, D. S. King, A. W. Rickenbach, and F. G. Rohm. 2,630,537, Mar. 3.

Engine governor. R. H. Thorner. 2,661,728, Dec. 8.
Engine governor having hydraulically assisted speed setting control, Centrifugal type. R. R. Robinson and K. J. Fleck. 2,631,837, Mar. 17.
Engine having hollow pistons, Free piston. R. Huber. 2,645,213, July 14.
Engine having inlet cone diffuser automatically adjustable as to length and cone angle, Ramjet. R. M. Salter, Jr. 2,638,738, May 19.
Engine having special cooling means therein, Two-cycle internal-combustion. L. R. Carpenter. 2,647,496, Aug. 4.
Engine having tail pipe ejector to induce flow of cooling air, Turbojet. A. V. D. Willgoos. 2,639,579, May 26.
Engine having turbine located in nozzle for driving auxiliaries, Rocket. L. Lawrence, Jr. 2,637,973, May 12.
Engine in which a plurality of closed thermodynamic cycles are performed simultaneously and which includes a compressor means, Hot-gas reciprocating. A. A. Dros. 2,643,507, June 30.
Engine low oil indicator. R. N. Zimmerman. 2,650,969, Sept. 1.
Engine lubrication, Internal-combustion. L. D. Bakke. 2,627,940, Feb. 10.
Engine manifold. H. A. Thomas. 2,637,160, May 5.
Engine mount, Dynamic. J. H. Leggett and R. M. Moyer. 2,656,137, Oct. 20.
Engine mount quick disconnect. G. F. Hagger. 2,633,312, Mar. 31.
Engine mounting and control system. E. C. Kiekhaefer. 2,642,829, June 23.
Engine mounting device, Outboard. J. E. Gillespie. 2,659,558, Nov. 17.
Engine mounting means, especially means for mounting engines beneath railway passenger cars. A. G. Dean. 2,650,548, Sept. 1.
Engine oil consumption apparatus. G. J. Liddell. 2,656,177, Oct. 20.
Engine oil level indicator. R. D. White. 2,624,790, Jan. 6.
Engine operating on the two-stroke cycle with exhaust turbine, Reciprocating internal-combustion. H. Sammons. 2,645,897, July 21.
Engine over temperature fuel control mechanism. P. P. Stockinger. 2,637,165, May 5.
Engine part or casing. F. K. H. Nallinger. 2,653,586, Sept. 29.
Engine performance indicator. V. L. Waller. 2,650,559, Sept. 1.
Engine power unit for locomotives, Internal-combustion. L. F. R. Fell. 2,647,372, Aug. 4.
Engine pressure control apparatus, Combustion. S. Crum. 2,627,370, Feb. 3.
Engine provided with duplex cooling systems, Dual jacketed. L. D. Watkins. 2,644,434, July 7.
Engine rocker arm. J. M. Leake. 2,648,235, Aug. 11.
Engine rocker arm mechanism. J. C. Slonneger. 2,641,235, June 9.
Engine speed control system, Electronic. F. F. Offner. 2,662,372, Dec. 15.
Engine starter. E. A. Kliewer, Sr. 2,624,424, Jan. 6.
Engine starter. G. W. Lewis. 2,635,470, Apr. 21.
Engine starter control. W. E. Brown. 2,662,189, Dec. 8.
Engine starter control. P. L. Schneider. 2,654,007, Sept. 29.
Engine starter control. P. L. Schneider and H. J. Cromwell. 2,632,118–19, Mar. 17.
Engine starter control. P. L. Schneider and H. J. Cromwell. 2,654,036, Sept. 29.
Engine starter control apparatus. P. L. Schneider, H. J. Cromwell, and W. H. Taylor. 2,661,730, Dec. 8.
Engine starter control system. W. V. Harrison. 2,659,018, Nov. 10.
Engine starter device, Pneumatic. H. J. Wood. 2,625,047, Jan. 13.
Engine starter drive. J. J. Digby. 2,655,048, Oct. 13.
Engine starter drive. J. J. Digby. 2,660,891, Dec. 1.
Engine starter drive. G. W. Lewis. 2,635,471, Apr. 21.
Engine starter drive. D. L. Miller. 2,643,548, June 30.
Engine starter, Gas turbine. E. A. Volk, Jr. 2,651,493, Sept. 8.
Engine starter gearing. J. E. Buxton and F. T. Christian. 2,656,727, Oct. 27.
Engine starter gearing. D. L. Miller. 2,624,202, Jan. 6.
Engine starter gearing. D. L. Miller. 2,644,098, June 30.
Engine starter gearing. D. L. Miller. 2,644,338, July 7.
Engine starter gearing. D. L. Tobias. 2,631,456, Mar. 17.
Engine starter having combustion chamber supplied with fuel and combustion supporting medium for constant ratio by weight. A. T. Briggs. 2,643,511, June 30.
Engine starter mechanism. W. P. Dalrymple. 2,642,055, June 16.
Engine starter system. A. A. Lombard and D. H. Mattinson. 2,663,994, Dec. 29.
Engine starting apparatus, Tractor. E. W. Tenbrink. 2,638,002, May 12.
Engine starting apparatus with generator separately excited during starting. B. H. Short and J. W. Dyer. 2,640,163, May 26.
Engine stopping device for motor vehicles. J. F. Dewhirst. 2,652,125, Sept. 15.

Engine with auxiliary pulse jet engine, Jet F. Jonker. 2,635,420, Apr. 21.
Engine with de-icing apparatus, Gas turbine. bard. 2,636,666, Apr. 28.
Engine with exhaust jet, Air-cooled internal-c D. K. Warner. 2,639,697, May 26.
Engine with multiple turbines, Gas turbine. F. 2,654,993, Oct. 13.
Engine with regulation of air distribution, Jet J. C. Williams. 2,644,299, July 7.
Engine with scavenging air blower, Two-s Schnürle, J. Kopf, O. Elwert, and E. Hörz. Dec. 1.
Engine with spontaneously ignitable fuel an Pulse jet. L. L. Dreibelbis. 2,647,364, Aug
Engine with supercharging injection pump, cycle. D. Elwert and A. Schnürle. 2,642,85
Engines with fuel injectors, Air-cooled internal-c E. Flatz. 2,633,835, Apr. 7.
Engraved rubber printing plates, Preparation Marsh. 2,653,871, Sept. 29.
Engraving and the like reproducing machine mensional. T. F. Eserkaln. 2,626,540, Jan
Engraving attachment, Inside ring. W. 2,660,933, Dec. 1.
Engraving machine. P. G. Gleason. 2,631,37
Engraving machine. E. T. Green. 2,627,658,
Engraving machine, Duplicating. S. C. Barone. Apr. 28.
Enlarging apparatus. M. Kaplowitz. 2,634,65
Enriching sugar with a vitamin component a derived therefrom. W. L. Owen. 2,640,778,
Ensilage cutter. J. Soehl and W. C. Huffman. Oct. 13.
Ensilage distributor. C. Sands. 2,652,288, S
Entertainment device, Magnetic dart. H. 2,645,490, July 14.
Entertainment system, Coin operated. F. E. S. E. Allen. 2,628,280, Feb. 10.
Enuresis bed pad. H. W. Seiger. 2,644,050, Ju
Envelope and making, Multiseal. J. A. Pask Slack. 2,629,093, Feb. 17.
Envelope and support clip therefor. H. W 2,625,935, Jan. 20.
Envelope delay scanning system. J. C. 2,625,614, Jan. 13.
Envelope fastener means. W. H. Mc 2,626,097, Jan. 20.
Envelope for electron flow device and glass embodied therein. Z. J. Atlee and J. 2,640,167, May 26.
Envelope loader. R. H. Penley. 2,628,465, Fe
Envelope machine. E. C. Sauerman. 2,643,59
Envelope opener and contents ejector, Self-con Weitzner. 2,644,634, July 7.
Envelope opener and paper sheet cutter, Combi and W. Kobler. 2,639,771, May 26.
Envelope patch applying mechanism. 2,627,792, Feb. 10.
Envelope seam gum and preparing it. J. Rapp. Jan. 6.
Envelope structure for electron tubes. H. D 2,633,551, Mar. 31.
Envelope treating apparatus, particularly glas for cathode-ray tubes. M. L. Hayes. 2,65 22.
Enzymatic process for producing gluconic a Baker. 2,651,592, Sept. 8.
Enzyme preparation, Protected. R. A. Gale Haigh. 2,642,376, June 16.
Epichlorhydrin-sulfonamide resins. J. K 2,643,244, June 23.
Epicyclic change-speed gear. P. Ravigneaux. Mar. 17.
Epicyclic power transmission mechanisms. E manville. 2,664,016, Dec. 29.
Epoxide resins heated with vegetable oils in t of steam. J. Rinse. 2,652,376, Sept. 15.
Epoxides, Manufacture of. E. J. Gasson, A. and W. Webster. 2,650,927, Sept. 1.
Epoxy alkane phosphonates. H. W. C 2,627,521, Feb. 3.
Epoxy resin-polycarboxylic acid-dicyandiamid products. G. H. Ott. 2,637,715, May 5.
Epoxy-resin, polycarboxylic acid polyamine re ucts. G. H. Ott. 2,637,716, May 5.
Equalizing and cushioning wheel mounting. son. 2,638,358, May 12.
Equalizing and mixing valve. N. L. Heikes. Feb. 17.
Equalizing and vibration absorption support. son. 2,635,838, Apr. 21.
Equalizing device for air current in air b breakers. H. Forwald. 2,653,204, Sept. 22.
Equipment for automatically controlling s motors. L. Heidmann. 2,664,536, Dec. 29.
Equipment for the preparation and storage of Lyon. 2,627,445, Feb. 3.
Equipment for treating teeth by means of fine materials carried by a stream of gas. R 2,661,537, Dec. 8.
Equipment for treating wells. R. L. Crain. Oct. 13.

Equipment for treatment of respiratory ailments. S. Y. Gibbon. 2,624,337, Jan. 6.
Equipping wire line drums with spacing strips. R. R. Crookston. 2,633,629, Apr. 7.
Equitorque bearing. J. O. Le Van. 2,654,990, Oct. 13.
Eraser, Blackboard. E. N. Darling. 2,648,863, Aug. 18.
Eraser device, Refillable. E. H. Metcalf. 2,652,029, Sept. 15.
Eraser, Magnetic record. E. H. Lombardi. 2,638,507, May 12.
Eraser, Pencil attached adjustable. L. H. Hansen. 2,658,480, Nov. 10.
Erasing, blotting, and eraser cleaning implement, Combined. C. E. Thompson. 2,633,829, Apr. 7.
Erasing head for magnetic recording. D. L. Clark. 2,655,562, Oct. 13.
Erasing means for magnetic recorders. R. M. Cain. 2,635,149, Apr. 14.
Erasing shield. S. Felber. 2,642,172, June 16.
Erasure-debris collecting device on typewriters and like machines. W. Ettmüller. 2,653,695, Sept. 29.
Erecting and positioning marine structures. J. B. Templeton. 2,657,540, Nov. 3.
Erecting apparatus for storage structures. W. M. Schiefelbein. 2,627,390, Feb. 3.
Erecting device for gyroscopes. G. Agins. 2,625,825, Jan. 20.
Erosion resisting fan wheel. E. Kruhmin. 2,653,755, Sept. 29.
Error-indicating code mechanism. W. T. Rea. 2,657,261, Oct. 27.
Error signal control circuit. W. P. Bollinger and H. Sohon. 2,631,279, Mar. 10.
Erythrocytometer. R. P. Moore. 2,642,769, June 23.
Erythromycin, its salts, and preparation. R. L. Bunch and J. M. McGuire. 2,653,899, Sept. 29.
Escape hatch, Emergency. C. T. Denker and J. Kmit. 2,631,032, Mar. 10.
Escape unit. A. Andrews. 2,646,964, July 28.
Escapement for clocks and watches. L. B. Stone. 2,633,695, Apr. 7.
Escapement mechanism for typewriters, Adjustable. F. J. Kavanaugh. 2,645,324, July 14.
Escapement mechanism for typewriters and the like. S. Khalil. 2,652,917, Sept. 22.
Escutcheon for doors. E. Ewald. 2,651,537, Sept. 8.
Escutcheon plate, Reinforced. H. Young. 2,642,302, June 16.
Essence D'Orient or pearl tincture, Preparing. F. Buitelaar. 2,644,001, June 30.
Essentially non-aqueous acid emulsion cleaning composition. S. R. Dodd and E. J. Ainsley. 2,629,696, Feb. 24.
Establishing bleed lines around designs on printing surfaces. O. G. Doherty. 2,630,384, Mar. 3.
Ester modified polyamide resins. W. B. Winkler. 2,663,649, Dec. 22.
Ester resins for varnishes and inks using monomeric phenolic ethers of aliphatic polyhydroxy alcohols. W. P. Cody and E. L. Clark. 2,653,142, Sept. 22.
Esterification process. A. J. Bruno, Jr. 2,628,249, Feb. 10.
Esterification process utilizing added unsaturated acids. S. B. Robison and J. Rehner, Jr. 2,632,021, Mar. 17.
Esterified aromatic hydrocarbon plasticizers and compositions containing same. P. F. Bruins, E. P. Wilkinson, and E. P. Rittershausen. 2,642,407, June 16.
Esterifying carbocyclic carboxylic acids. A. Bell and M. B. Knowles. 2,659,750, Nov. 17.
Esterifying the surface of a silica substrate having a reactive silanol surface and product thereof. R. K. Iler. 2,657,149, Oct. 27.
Esters of alkylxanthic formic acid. R. B. Booth and C. E. Light. 2,628,971, Feb. 17.
Esters of alpha-acyl-alpha-naphthoquinonylsuccinic acid and process. E. C. Ladd. 2,628,239, Feb. 10.
Esters of alpha, beta-dichloropropionic acid, Preparing. C. D. Burton. 2,647,923, Aug. 4.
Esters of alpha-hydroxy acids and their estolides. O. D. Cunningham and O. L. Polly. 2,652,410, Sept. 15.
Esters of beta-oxy aldehydes, Preparation of. S. A. Ballard and B. P. Geyer. 2,638,479, May 12.
Esters of cyclic acetals, Production of. J. D. Brandner. 2,648,680, Aug. 11.
Esters of cyclic alcohols, Substituted. F. Leonard. 2,662,887, Dec. 15.
Esters of di-aryl substituted acetic acids. M. W. Goldberg and S. Teitel. 2,628,247, Feb. 10.
Esters of 4-chloro-o-toloxyacetic acid. L. E. Begin. 2,648,701, Aug. 11.
Esters of nitroacetic acid. H. B. Hass and H. Feuer. 2,659,751, Nov. 17.
Esters of 1-azabicycloalkanols. L. H. Sternbach. 2,648,667, Aug. 11.
Esters of oxodehydroabietic acid, Preparation of. P. F. Ritchie. 2,656,344, Oct. 20.
Esters of penicillin from active halogen compounds. H. F. McDuffie, Jr., and D. E. Cooper. 2,650,218, Aug. 25.
Esters of phosphonoformic acids and polyhydric alcohols. D. Harman. 2,629,731, Feb. 24.
Esters of polycarboxylic acids and oxypropylated 2,2'-methylenebis (4-methyl-6-tert-butylphenol). M. De Groote. 2,626,958, Jan. 27.
Esters of silicic acids and making the same. J. B. Rust and L. Spialter. 2,650,934, Sept. 1.
Esters of sulfur-containing polycarboxylic acids. D. Harman and D. E. Winkler. 2,640,848, June 2.
Esters of tertiary alkyl-substituted aromatic acids. R. C. Morris, J. L. van Winkle and D. E. Winkler. 2,624,752, Jan. 6.
Esters of thiophene-modified maleic anhydride-styrene copolymers. F. P. Otto and O. M. Reiff. 2,654,727, Oct. 6.
Esters of thiophosphoric acid, Manufacture of. G. Schrader. 2,624,745, Jan. 6.
Esters of trichloroacetic acid. J. A. Sonia and E. H. Scremin. 2,634,290, Apr. 7.
Esters of 2,2-dimethyl malonic acid. A. Bell and G. C. De Croes. 2,632,769, Mar. 24.
Estradienes. F. B. Colton. 2,655,518, Oct. 13.
Etching. J. A. Easley and H. E. Swayze. 2,640,763–7, June 2.
Etching aluminum and aluminum base alloys. V. Dvorkovitz and J. R. Swihart. 2,650,875, Sept. 1.
Etching aluminum using hexahydroxyheptanoic acid as a modifier. W. R. Meyer. 2,653,861, Sept. 29.
Etching aluminum using saccharic acid as a modifier. W. R. Meyer. 2,653,860, Sept. 29.
Etching and polishing aluminum. V. Terhune. 2,657,981, Nov. 3.
Etching machine. W. Guenst. 2,651,869, Sept. 15.
Etching plates. P. A. Tatusko and R. E. Frederick, Jr. 2,631,092, Mar. 10.
Etching process. D. L. Goffredo. 2,647,864, Aug. 4.
Etching solution and process. R. H. Wynne, Jr. 2,653,085, Sept. 22.
Ether-alcohols, Preparation of. W. S. Emerson and R. I. Longley, Jr. 2,658,081, Nov. 3.
Ethereal esters from aliphatic aldehyde esters and aliphatic alcohols, Making. J. K. Mertzweiller. 2,648,692, Aug. 11.
Etherification of vinyl phenol polymers and copolymers. E. M. Evans and J. E. S. Whitney. 2,647,882, Aug. 4.
Etherified lignocellulose, etherified lignocellulose containing products, and making same. E. G. Hallonquist. 2,635,968, Apr. 21.
Ethers and making the same. J. T. Bashour. 2,647,129, July 28.
Ethylxylenes, Preparation of. A. P. Lien and D. A. McCaulay. 2,661,382, Dec. 1.
Ethylene-bridged dibenzanthrone compounds and their preparation. J. M. Straley. 2,637,733, May 5.
Ethylenediamine derivatives, Substituted. D. Papa, N. Sperber, and F. Villani. 2,654,758, Oct. 6.
Ethylene imine-acrylyl triazine reaction products. E. Zerner and M. W. Pollock. 2,651,631, Sept. 8.
Ethylene oxide, Manufacture of. R. B. Egbert. 2,653,952, Sept. 29.
Ethylene polymerization in the vapor phase. E. F. Peters and B. L. Evering. 2,658,059, Nov. 3.
Ethylene polymers, Preparation of. A. W. Barry. 2,646,425, July 21.
Ethylene sulfonyl fluoride and its preparation. R. M. Hedrick. 2,653,973, Sept. 29.
Ethylenimines, Production of. W. A. Reeves, G. L. Drake, and C. L. Hoffpauir. 2,636,880, Apr. 28.
Ethylenimino-S-triazines. D. W. Kaiser and F. C. Schaefer. 2,653,934, Sept. 29.
Evacuating and heat-sealing packages. W. G. Mueller, F. H. Cherepow, A. Bartes, Jr., and K. Klause. 2,634,562, Apr. 14.
Evacuating, filling, sealing, and releasing gas in a container. J. N. Burdick and H. E. Kinne. 2,649,993, Aug. 25.
Evaporating apparatus. J. V. Wiseman. 2,640,761, June 2.
Evaporating-condensing heat transfer system. J. G. Tandberg. 2,649,696, Aug. 25.
Evaporating element, Refrigerant. L. A. Philipp. 2,635,430, Apr. 21.
Evaporating milk, Method and apparatus for. R. O. Henszey. 2,631,105, Mar. 10.
Evaporating sodium sulfate solutions and recovering sodium sulfate therefrom. J. V. Wiseman. 2,640,762, June 2.
Evaporation type vehicle cleaning and cooling unit. C. F. Richter, Sr. 2,657,026, Oct. 27.
Evaporative air cooler. W. Norton. 2,648,272, Aug. 11.
Evaporative cooler. J. A. De Vilbiss. 2,661,936, Dec. 8.
Evaporator. R. H. Money. 2,658,350, Nov. 10.
Evaporator. W. R. Williamson and J. P. Tyskewicz. 2,649,408, Aug. 18.
Evaporator. J. F. Young. 2,663,160, Dec. 22.
Evaporator and refrigeration system. C. W. Merrill. 2,629,238, Feb. 24.
Evaporator for gas developing machines. F. G. Wilde. 2,630,744, Mar. 10.
Evaporator for refrigerating apparatus. H. Stierlin. 2,651,923, Sept. 15.
Evaporator for uniform pressure absorption type refrigerators. W. L. Edel. 2,641,003, June 9.
Evaporator, Oil burner. G. C. Kemp. 2,661,797, Dec. 8.
Evaporator structure. W. L. Morrison. 2,624,554, Jan. 6.
Evenly distributing solid contact material, Method and apparatus for. R. D. Snow. 2,655,273, Oct. 13.
Everting device. M. T. Horsley. 2,626,090, Jan. 20.

Excavating and cable laying machine. A. S. Kinsinger. 2,663,515, Dec. 22.
Excavating and earth scattering machine. G. Diotti. 2,627,681, Feb. 10.
Excavating and loading machine, Portable. C. O. Bjaaland. 2,641,372, June 9.
Excavating bucket. J. J. Carlesimo. 2,660,323, Nov. 24.
Excavating mechanism for trench digging machines. H. Klaucke. 2,637,917, May 12.
Excavating teeth for bulldozer moldboards, Earth. C. B. Foster. 2,634,520, Apr. 14.
Excavator. T. F. Reeves. 2,653,795, Sept. 29.
Excavator having means for forming polygonal holes. H. G. Cochrane and S. W. Kirby. 2,624,548, Jan. 6.
Excavator, Marine. P. Notarbartolo and C. Poledrelli. 2,659,211, Nov. 17.
Excavator, Rotary grave-digging. G. A. Steece. 2,624,129, Jan. 6.
Excess acid process for the manufacture of esters. W. M. Drout, Jr., and W. G. Emerson, Jr. 2,645,660, July 14.
Excess flow cutoff valve. C. Asaro. 2,635,629, Apr. 21.
Excluding water penetration into well bores, Method and means for. J. R. Lockett. 2,626,778, Jan. 27.
Exercise bar. H. R. Klaudt. 2,637,555, May 5.
Exercise machine. J. D. Bell. 2,642,288, June 16.
Exercise machine. S. H. Laustedt. 2,629,373, Feb. 24.
Exerciser. A. J. Bruene. 2,637,319, May 5.
Exerciser and leg rest. P. F. Roberge. 2,644,688, July 7.
Exerciser, Baby. W. P., and M. D. Williams. 2,655,198, Oct. 13.
Exerciser, Foot. C. E. M. Murphy. 2,638,089, May 12.
Exerciser for subnormal muscles. W. Bierman. 2,630,115, Mar. 3.
Exercising apparatus and cabinet. E. Barkschat. 2,632,645, Mar. 24.
Exercising apparatus, Weight raising. W. Hunter. 2,648,540, Aug. 11.
Exercising cage. J. A. Siegel. 2,640,460, June 2.
Exercising device. O. T. Clark. 2,648,330, Aug. 11.
Exercising device. G. C. Johnson. 2,648,332, Aug. 11.
Exercising device. A. T. Norwich. 2,664,289, Dec. 29.
Exercising device, Foot actuated. H. N. Magida. 2,645,482, July 14.
Exercising device, Grip type. J. M. Spinks. 2,643,123, June 23.
Exhalation valve. T. A. Conley. 2,640,481, June 2.
Exhalation valve. B. B. Holmes. 2,629,375, Feb. 24.
Exhaust device for motor bicycles. M. Mennesson. 2,638,174, May 12.
Exhaust fan automatic shutter. V. E. Sprouse and T. P. Jordan. 2,631,519, Mar. 17.
Exhaust feed supply for engines. H. J. Tritt. 2,652,040, Sept. 15.
Exhaust for clothes driers. R. A. Benson. 2,656,784, Oct. 27.
Exhaust head. O. Mann. 2,661,964, Dec. 8.
Exhaust manifold for internal-combustion engines. F. C. Tromel. 2,660,031, Nov. 24.
Exhaust muffler with expansion chamber. G. B. Walker. 2,660,256, Nov. 24.
Exhaust muffler with fluid mingling. W. W. Cushman. 2,629,455, Feb. 24.
Exhaust passage and trap means coextensive with arc runners. P. L. Taylor. 2,648,743, Aug. 11.
Exhaust pipe extension. J. W. Hobbs, C. A. Woodcock, and S. E. Womack. 2,635,642, Apr. 21.
Exhaust rain protector. W. Brockelsby. 2,630,748, Mar. 10.
Exhaust silencer, Retroverted passage type. A. Beattie. 2,643,730, June 30.
Exhaust system for gas turbine engines in aircraft. G. Oullanoff and C. A. Davis. 2,641,422, June 9.
Exhauster mechanism. H. Glascock. 2,630,056, Mar. 3.
Exhibiting device. W. F. O'Gorman. 2,649,797, Aug. 25.
Exhibition and stage device. W. J. Lancaster. 2,624,578, Jan. 6.
Exhibitor, Changeable. L. J. Solomon. 2,654,172, Oct. 6.
Exothermic catalytic reactions, Method and apparatus for carrying out. R. W. Krebs and W. K. Lewis, Jr. 2,627,522, Feb. 3.
Exothermic reactions, Process and apparatus for. P. C. Keith. 2,642,346, June 16.
Expandable condenser tube cleaner. T. J. Bay. 2,653,334, Sept. 29.
Expanded cellular plastic flotation body. J. J. Hoffman. 2,660,194, Nov. 24.
Expanded material and the product resulting therefrom, Making an. H. G. Hammon. 2,653,917, Sept. 29.
Expanded perlite insulation and manufacture. E. R. Powell. 2,625,512, Jan. 13.
Expander for microwave signals. C. C. Cutler. 2,652,541, Sept. 15.
Expander for piston rings or the like. F. W. Wilkening, H. G. Braendel, and C. F. Engelhardt. 2,639,205, May 19.
Expansible and contractible reel holder. E. L. Taylor. 2,657,874, Nov. 3.
Expansible cabinet. E. J. Slattery. 2,628,145, Feb. 10.
Expansible cabinet. C. A. Troutman. 2,643,083, June 23.
Expansible core for glass filament windings. A. C. Radtke. 2,656,990, Oct. 27.
Expansible drill. G. D. Hayden. 2,660,075, Nov. 24.
Expansible elevator plug. C. R. Murphy. Jan. 6.
Expansible post binder. F. A. Ratcliffe, N. A. G. E. Ford. 2,646,800, July 28.
Expansible roll shaft. T. A. McArn. 2,625,33
Expansible rotary drill bit. A. W. Kammerer. Oct. 6.
Expansible rotary drill bit. A. W. Kammerer. Oct. 6.
Expansion arbor. G. and E. F. Hohwart. 2,62 27.
Expansion arbor. W. F. Klemm. 2,630,039,
Expansion bolt. W. J. Lewis. 2,647,431, Au
Expansion engine. R. W. Hughes. 2,660,154,
Expansion joint. H. F. Brown and R. 2,661,963, Dec. 8.
Expansion joint. H. C. Miller. 2,628,544, Fe
Expansion linkage for directing motion of tubula E. A. Brooks. 2,636,351, Apr. 28.
Explosion-energized source of hydraulic pres C. E. Deardorff and J. B. Gunn. 2,652,781,
Explosion initiator, Electric. D. M. McFarland. Mar. 24.
Explosionproof ground clamp. C. A. Froebel Green. 2,632,068, Mar. 17.
Explosion-resistant motor. L. R. Ludwig, T. W. H. Formhals, and H. T. Walton. 2,644,0
Explosive. W. J. Taylor. 2,654,666, Oct. 6.
Explosive assemblies, Making. W. R. Farren. Dec. 15.
Explosive atmosphere test chamber. M. 2,659,235, Nov. 17.
Explosive composition. W. B. Richardson. July 28.
Explosive drill. R. Jasse. 2,628,559, Feb. 17.
Explosive package. C. O. Davis. 2,649,046,
Explosive pressing of powdered compositio McKenna, J. C. Redmond, and E. N. Smith. Aug. 11.
Exposed seat universal joint. W. A. 2,648,558, Aug. 11.
Exposure and film-feeding control device for p cameras. A. V. L. C. Debrie. 2,664,037,
Exposure device for cameras, Twin. J. 2,631,510, Mar. 17.
Extensible rack. A. V. Elder. 2,651,558, Sept.
Extensible rack. A. G. Whaley. 2,655,268,
Extensible towel bar. A. Marchand. 2,649,97
Extension device holder and positive snap l Baker. 2,636,707, Apr. 28.
Extension keeper plate. B. Viola. 2,646,30
Extension leaf, Ironing board. E. and C. R. L 2,657,485, Nov. 3.
Extension light. B. A. Novak. 2,663,793,
Extension link for mowers. R. T. Spedding. July 21.
Extension table stabilizer. C. Whallon. 2,629,
Extensometer. A. C. Ruge. 2,663,085, Dec.
Extensometer for cylindrical members. R. and V. J. Aubrey. 2,637,907, May 12.
Extensometer for testing metal objects. R. 2,651,196, Sept. 8.
External power feed scarfing process and appa Babcock and E. M. Holub. 2,664,368, Dec
Extra hand letter holder. J. E. Purifoy. 2,6 21.
Extracorporeal circulation device. J. H. G. V. A. Malmros, J. R. Engstrom, and E Jr. 2,659,368, Nov. 17.
Extracting and recovering metals by leachi trolysis. R. V. Hilliard and C. T. Baroch. Oct. 13.
Extracting biologically active material. S. 2,658,019, Nov. 3.
Extracting device for bakery products. 2,639,828, May 26.
Extracting device, Juice. S. L. Casella an 2,630,752, Mar. 10.
Extracting ground roasted coffee. B. B. Fog Nugent. 2,629,663, Feb. 24.
Extracting juice from whole citrus fruit, Me apparatus for. J. M. Hait. 2,649,730, A
Extracting lead from its sulfides. C. B. Foster Nov. 24.
Extracting liquids from wet materials. 2,640,342, June 2.
Extracting machine, Fruit juice. L. F 2,630,849, Mar. 10.
Extracting volatile constituents from carbona rials, Method and apparatus for. H. 2,661,325, Dec. 1.
Extraction apparatus, Multiple. R. W. Dunn Mar. 3.
Extraction mechanism, Fruit juice. E. J. Co Fischer. 2,642,106, June 16.
Extraction of insulin as well as enzymes fr G. Petersen. 2,637,680, May 5.
Extraction of lignin. J. H. Richmond, R. M. H. R. Hunt. 2,645,633, July 14.
Extraction of lower fatty acids. F. N. Bent Dec. 15.
Extraction of lubricating oils with a phenol-s solvent. W. N. Axe. 2,645,596, July 14.

Extraction of naphthenic acids. S. E. Jolly. 2,637,744, May 5.
Extraction of oils, Double solvent. M. B. Neuworth. 2,633,448, Mar. 31.
Extraction of olefinic hydrocarbon mixtures. J. A. Chenicek. 2,626,959, Jan. 27.
Extraction of pectin from sugar beet pulp. A. E. Bishop. 2,626,706, Jan. 27.
Extraction of pectin from sugar beet waters. A. E. Bishop. 2,647,890, Aug. 4.
Extraction of rhenium and analogous elements. S. M. F. Tribalat and M. M. Bertolus. 2,634,280, Apr. 7.
Extraction of sulfur compounds with thiolsulfonic esters. W. F. Wolff and C. E. Johnson. 2,664,385, Dec. 29.
Extraction of sulfuric acid sludge. N. E. Lemmon, F. W. Schuessler, and D. W. Bransky. 2,654,777, Oct. 6.
Extraction of thioglycolic acid from acidic aqueous media. B. C. Fischback and G. H. Harris. 2,658,074, Nov. 3.
Extraction of valuable products from bark. E. F. Kurth. 2,662,893, Dec. 15.
Extraction of vitamin B_{12}-active compounds from aqueous solutions using solid trichlorophenol. R. G. Denkewalter, G. B. Hughey, and S. Kutosh. 2,635,985, Apr. 21.
Extraction tower. E. Langen. 2,653,114, Sept. 22.
Extraction tower for comminuted material of vegetable or plant origin, particularly sugar beets. E. Langen. 2,637,666, May 5.
Extraction tower, Liquid-liquid. J. M. Bradley. 2,642,341, June 16.
Extraction tower, Liquid-liquid. R. S. Wood. 2,645,565, July 14.
Extractive distillation of alcohols obtained from olefins. W. M. Drout, Jr. 2,663,679, Dec. 22.
Extractive distillation of allyl alcohol from n-propyl alcohol. N. C. Robertson. 2,663,680, Dec. 22.
Extractive distillation purification of acetone. W. G. Emerson, Jr. and J. R. Quelly. 2,662,848, Dec. 15.
Extractor: *See*—
Air extractor.
Beam extractor.
Fishhook extractor.
Fruit juice extractor.
High-speed continuous extractor.
Inlay extractor.
Mining drill bit extractor.
Sleeve extractor.
Staple extractor.
Unloading extractor.
Extractor for removing soluble constituents in chemical analysis. R. E. Stevens. 2,643,940, June 30.
Extractor for unginned or seed cotton, Bur. A. T. Moseley. 2,639,467, May 26.
Extreme pressure lubricants. R. S. Airs and V. W. David. 2,653,910, Sept. 29.
Extricating motor vehicles from mudholes, Means for. J. F. Plitz. 2,663,503, Dec. 22.
Extruder. G. E. Gliss. 2,653,352, Sept. 29.
Extruder head. J. F. Eckels and A. E. Eckels, Jr. 2,650,551, Sept. 1.
Extruding apparatus. O. A. McNamee. 2,659,932, Nov. 24.
Extruding thermoplastic materials, Method and apparatus for. L. Kraffe de Laubarède. 2,632,203, Mar. 24.
Extrusion. H. M. Geraman. 2,660,302, Nov. 24.
Extrusion apparatus. J. N. Birmingham. 2,661,497, Dec. 8.
Extrusion apparatus. W. A. Magerkurth. 2,639,464, May 26.
Extrusion apparatus and method. C. Field. 2,646,594, July 28.
Extrusion apparatus utilizable for reclaiming rubber. J. C. Elgin and E. F. Sverdrup. 2,653,348, Sept. 29.
Extrusion device. L. C. Miller. 2,643,620, June 30.
Extrusion machine for molding pellets and the like from plastic substances. A. W. Sizer. 2,642,011, June 16.
Extrusion machine, Vertical. E. G. Bennett and C. L. Willis. 2,645,835, July 21.
Extrusion of continuous metal articles. R. E. Perry, G. Ansel, and R. L. Dietrich. 2,639,809, May 26.
Extrusion of filament-forming materials. E. J. Upton. 2,657,427-8, Nov. 3.
Extrusion of metal billets having a temperature gradient. J. P. Doan. 2,639,810, May 26.
Extrusion of metals. E. Blair. 2,630,916, Mar. 10.
Extrusion of plastics having elastic memory, Method and apparatus for. T. J. Rhodes and J. J. Neville. 2,649,618, Aug. 25.
Extrusion of thermoplastics. C. E. Slaughter. 2,663,904, Dec. 29.
Eye bath device. J. G. Campbell. 2,626,606, Jan. 27.
Eye forming mechanism. H. A. Corbett. 2,653,632, Sept. 29.
Eyeglass attachment. I. E. Bloom. 2,660,092, Nov. 24.
Eyeglass frame construction. M. B. Singer. 2,625,079, Jan. 13.
Eyeglass frame construction, Combination plastic and metal. C. Castelli. 2,659,269, Nov. 17.
Eyeglass hinge construction. J. B. Wright. 2,628,531, Feb. 17.
Eyeglass mounting. E. H. Moseley. 2,640,391, June 2.
Eyeglasses frame with detachably mounted lenses. R. R. Shanks. 2,652,746, Sept. 22.
Eyeglasses frame with spring biased temple arms. Le R. R. Maleck. 2,652,747, Sept. 22.
Eye implant and prosthesis. N. L. Cutler. 2,649,590, Aug. 25.
Eyelash curler and mascara applicator and remover. A. C. Marcellus. 2,635,611, Apr. 21.
Eyelash processor. C. A. Rausch and R. C. Friedrich. 2,630,516, Mar. 3.
Eyepiece for optical instruments. M. Ludewig. 2,637,245, May 5.
Eyepiece with variable magnification, Erecting. G. F. E. Loeck. 2,662,443, Dec. 15.
Eye protective device. C. G. Abbott. 2,643,381, June 30.
Eye protective device. C. A. Baratelli and R. C. Reed. 2,630,569, Mar. 10.
Eye protective device. E. M. Splaine. 2,645,775, July 21.
Eye protective device. W. A. Stewart. 2,642,568, June 23.
Eye protector and glare shield. C. F. Bivens. 2,635,239, Apr. 21.
Eye-set construction for dolls. E. W. Baggott. 2,653,414, Sept. 29.
Eyeshade. G. D. Bricker. 2,640,195, June 2.
Eyeshade. E. C. Dale, Jr. 2,645,774, July 21.
Eyeshade, Antiglare. C. V. W. Brown. 2,648,844, Aug. 18.
Eyeshade, Foldable. W. L. Hanford. 2,632,164, Mar. 24.
Eyeshield. L. E. McLeod. 2,643,382, June 30.
Eye shield for protection against light glare, Adjustable. H. F. George. 2,638,377, May 12.
FM system. R. M. Wilmotte. 2,654,806, Oct. 6.
Fabric: *See*—
Elastic fabric.
Elastic rib knitted fabric.
Coated fabric.
Heat-conducting fabric.
Honeycomb fabric.
Loop pile fabric.
Noncurling fabric.
Nonwoven film coated fabric.
Nonwoven rayon fabric.
Pile fabric.
Puckered fabric.
Reversible fabric.
Stocking fabric.
Terry weave fabric.
Textile fabric.
Two-way stretch fabric.
Unwoven fabric.
Weight supporting fabric.
Woven elastic fabric.
Fabric. F. G. H. Van Risseghem. 2,638,129, May 12.
Fabric and making the same, Knitted. A. P. Saunders and H. H. Holmes. 2,657,561, Nov. 3.
Fabric and making the same, Single-ply corrugated. B. H. Foster. 2,627,644, Feb. 10.
Fabric and manufacture, Pile. J. Crawford. 2,650,621, Sept. 1.
Fabric and preparing the same, Gas protective. H. A. Weldon. 2,659,681, Nov. 17.
Fabric cleaning device, Rotary adhesive roll. T. R. McKenzie. 2,624,060, Jan. 6.
Fabric covered buckles, Making. W. Eaton. 2,624,089, Jan. 6.
Fabric cutter guard. F. L. Etchen. 2,627,657, Feb. 10.
Fabric finishing machine, Terry. E. R. Swing. 2,629,918, Mar. 3.
Fabric for garments and making the same, Textile interliner. R. H. Gillespie. 2,646,374, July 21.
Fabric for mattresses or the like, Two-ply. J. A. MacIntyre. 2,632,480, Mar. 24.
Fabric, Making needled. F. R. McDermott. 2,635,322, Apr. 21.
Fabric measuring and inspection machine. R. G. Birr and P. W. Jespersen. 2,656,756, Oct. 27.
Fabric, method of making same, and its uses. J. E. Lilienfeld. 2,659,956, Nov. 24.
Fabric retaining device. W. W. Haefliger. 2,643,399, June 30.
Fabric segment of curved configuration, Inflatable. C. J. Ford. 2,657,716, Nov. 3.
Fabric take-up mechanism. E. M. Zesch. 2,625,025, Jan. 13.
Fabric take-up mechanism for knitting machines. A. Friedmann. 2,624,185, Jan. 6.
Fabric take-up mechanism for textile machines. P. J. Schoenster and M. E. Ebert. 2,661,614, Dec. 8.
Fabric treating system. S. Cohn and J. G. Walter. 2,637,991, May 12.
Fabric with a through-to-the-back bind, Pile. W. M. Ryan. 2,647,546, Aug. 4.
Fabricated casing structure. H. A. Bues. 2,656,064, Oct. 20.
Fabricated flush door. C. B. Huizenga. 2,633,946, Apr. 7.
Fabricated joist. R. C. Macomber. 2,624,430, Jan. 6.
Fabricated kelly. T. B. Losey. 2,643,861, June 30.
Fabricated metal container. P. S. Menough. 2,645,472, July 14.
Fabricating cathode assemblies. E. G. Shower. 2,633,159, Mar. 31.
Fabricating machine, Honeycomb core. J. D. Lincoln. 2,636,540, Apr. 28.
Fabricating metallic members having portions of different widths. W. S. Sutowski. 2,652,620, Sept. 22.
Fabricating plow moldboards. H. M. De Brabant. 2,662,268, Dec. 15.
Fabricating seamless capsules, Method and apparatus for. C. E. Fisher, Jr. 2,624,069, Jan. 6.
Fabricating sheet materials, Method and apparatus for. J. M. Sharf. 2,647,553, Aug. 4.
Fabricating strands, cords, tubes, and the like. G. Slayter and E. Fletcher. 2,664,374, Dec. 29.
Fabricating welded girth joints. J. C. Turnbull. 2,659,966, Nov. 24.
Fabrication of artificial eyes. A. L. Anderson and J. D. Holmen. 2,653,328, Sept. 29.

Fabrication of light metals. E. M. Kipp. 2,659,252, Nov. 17.
Fabrication of storage battery plates. P. A. C. Jacquier. 2,646,456, July 21.
Fabrics and manufacture, Knitted pile. A. W. Schmidt and J. P. Malik. 2,630,619, Mar. 10.
Face lifting and hair curling device. E. T. Clark. 2,638,101, May 12.
Face lifting device. M. E. O'Loughlin. 2,649,857, Aug. 25.
Face mask. A. E. Engelder. 2,625,155, Jan. 13.
Face protector. E. A. B. Magnusson. 2,625,684, Jan. 20.
Face protector. R. Malcom, Jr. 2,631,287, Mar. 17.
Face run-out gauge. H. H. Gates. 2,648,135, Aug. 11.
Faceplate for door locks. E. L. Schlage. 2,655,030, Oct. 13.
Faceplate for vise jaws, Removable. A. B. Partiss. 2,653,499, Sept. 29.
Face shield for welders, Vented. W. C. Moeller. 2,655,656, Oct. 20.
Facial up-lift band. E. T. Stokes. 2,661,737, Dec. 8.
Facing sheet for machine sanding with coated abrasives. B. S. Cross and R. S. Frigstad. 2,633,679, Apr. 7.
Facsimile apparatus for repeat copies. C. E. Hunt, Jr. 2,652,448, Sept. 15.
Facsimile apparatus. R. J. Wise and R. D. Parrott. 2,646,335, July 21.
Facsimile keying circuit. F. T. Turner. 2,639,321, May 19.
Facsimile machine and system employing electric stylus transmission and recording. G. H. Ridings, J. H. Hackenberg, and G. B. Worthen. 2,647,945, Aug. 4.
Facsimile machine, Multistylus. F. G. Halden and D. M. Zabriskie. 2,639,211, May 19.
Facsimile scanner. C. J. Young. 2,639,322, May 19.
Facsimile stylus carrier and drive system. A. G. Cooley. 2,643,174, June 23.
Facsimile system wherein the recording is a modification of the copy. F. A. Hester. 2,657,258, Oct. 27.
Facsimile transmitter. J. H. Hackenberg. 2,657,259, Oct. 27.
Factor entering means. H. Gang. 2,658,684, Nov. 10.
Faggoting attachment for sewing machines. H. H. Russell. 2,657,656, Nov. 3.
Fail safe limit switch. R. Goldstein. 2,642,557, June 16.
Fair-lead for mine anchors. R. C. Duncan. 2,631,819, Mar. 17.
Fairlead for semitrailer scrapers or wagons. W. P. Atkinson and T. O. Davidson. 2,628,815, Feb. 17.
Fairleader. M. D. Troyer. 2,650,066, Aug. 25.
Fairing for high-speed devices. G. Darrieus. 2,649,266, Aug. 18.
Faller bar. G. L. Kluter. 2,648,873, Aug. 18.
Falling film evaporator with subjacent separating chamber. E. A. Schilt. 2,624,401, Jan. 6.
Fan. G. E. Martin. 2,646,213, July 21.
Fan. W. H. Taylor, Jr. 2,637,486, May 5.
Fan. C. R. Zaino. 2,628,017, Feb. 10.
Fan and awning construction, Combination. C. G. Sherman and G. E. Owens. 2,643,053, June 23.
Fan and clutch for engine cooling, Combined air. I. I. Sikorsky. 2,640,469, June 2.
Fan and power transmission sheave, Combined. W. A. Stewart. 2,629,545, Feb. 24.
Fan arrangement for electrical device. J. D. Gayer. 2,624,855, Jan. 6.
Fan, Axial flow. C. F. Goede. 2,639,087, May 19.
Fan blade mounting. L. D. Morrill. 2,653,459, Sept. 29.
Fan, Cabinet-enclosed window ventilating. S. J. Helman. 2,634,906, Apr. 14.
Fan, Centrifugal. P. Schlumbohm. 2,655,310, Oct. 13.
Fan control for air-cooled engines, Cooling. C. B. Spase. 2,657,852, Nov. 3.
Fan diffuser having an airfoil lattice deflector. M. B. Curley. 2,626,101, Jan. 20.
Fan drive clutch. A. Y. Dodge. 2,637,308, May 5.
Fan drive, Variable. A. Y. Dodge. 2,658,400, Nov. 10.
Fan, Electric. C. J. Burkland. 2,663,494, Dec. 22.
Fan, Electric. M. G. Fettel. 2,652,974, Sept. 22.
Fan, Electric. C. E. Jones. 2,633,293, Mar. 31.
Fan, Electric circulating floor. C. E. Jones. 2,640,646, June 2.
Fan for suction cleaners, Multistage. D. B. Tschudy. 2,658,665, Nov. 10.
Fan, Free air. G. H. Koch. 2,628,019, Feb. 10.
Fan guard. W. Krzesiewski. 2,658,666, Nov. 10.
Fan having a resiliently supported motor, Electric. H. W. Uhlrig. 2,628,771, Feb. 17.
Fan having variable oscillating mechanism and clutch, Electric. G. J. Reisch. 2,634,905, Apr. 14.
Fan housing. W. R. Heath. 2,642,219, June 16.
Fan hub. A. L. Henry. 2,638,761, May 19.
Fan hub, Composite. V. E. Sprouse. 2,658,577, Nov. 10.
Fan, Material handling. D. A. Bush. 2,633,390, Mar. 31.
Fan means for generator ventilation, Separately mounted. R. A. Baudry. 2,663,807, Dec. 22.
Fan or the like, Rotary. W. H. Smith. 2,654,529, Oct. 6.
Fan, Power driven air circulating. E. J. Frick. 2,661,895, Dec. 8.
Fan puller for oil burners. J. J. Byrnes. 2,629,167, Feb. 24.
Fan, Radial flow. A. G. Ostrognai. 2,630,267, Mar. 3.
Fan, Radial flow electric. G. J. Reisch. 2,625,319, Jan. 13.
Fan, Reversible-flow. George A. and Glen
2,644,390, July 7.
Fan structure. M. E. Lautner and S. H. Var
2,650,019, Aug. 25.
Fan support housing. W. J. Morrill. 2,650,0
Fan system. J. E. McDonald. 2,634,048, Ap
Fan, Thermostatically controlled. I. A.
2,661,148, Dec. 1.
Fan, Ventilating. C. A. Lindberg and H.
2,652,193, Sept. 15.
Fan wheel. D. F. Wuerfel. 2,662,686, Dec. 15.
Fan wheel for centrifugal fans. S. C. Osborne.
Jan. 27.
Fan with guard, Adjustable. F. Se Bastian.
Dec. 29.
Fare apparatus, Transportation. P. E.
2,659,470, Nov. 17.
Farina and making same, Puffed. J. M. Baer.
Sept. 22.
Farina and making same, Quick-cooking. C.
and J. E. Allison. 2,653,101, Sept. 22.
Farm building. B. G. Perkins. 2,641,988, Ju
Farm implement hitch. J. C. Koenig. 2,658,7
Fascia board and end fitting therefor.
2,645,281, July 14.
Fast counting circuit. M. J. Jakobson. 2,63
28.
Fastener: *See*—
Belt fastener.
Bimetallic fastener.
Bolt fastener.
Button fastener.
Closure fastener.
Coil form fastener.
Collar fastener.
Combined slide fastener.
Door fastener.
Door key fastener.
Easy action snap fastener.
Film reel fastener.
Flexible shoelace fastener.
Flexible thermoplastic fastener.
Gate fastener.
Hook fastener.
License tag fastener.
Locking stud type molding fastener.
Low permeability separable fastener.
Measuring tape fastener.
Pin fastener.
Plastic slide fastener.
Quick-release fastener.
Railway rail fa
Releasable fast
Sanitary faste
Sash cord faste
Scarf fastener.
Self-piercing fa
Separable faste
Separable slide
Sheet metal sn
Shoe fastener.
Sleeve fastener
Slide fastener.
Snap fastener.
Step adjustin
fastener.
Swivel fastener
Tank closure fa
Three-side lock
tener.
Tire chain fast
Toggle fastener
Trunk latch ty
Weatherproof c
sure fastener
Window fasten
Fastener, J. E. O'Herron. 2,629,157, Feb. 24.
Fastener, G. A. Tinnerman. 2,661,821, Dec.
Fastener, C. D. West. 2,625,722, Jan. 20.
Fastener and connection for rails used for bed
Hooked, D. A. Jonas. 2,648,074, Aug. 11.
Fastener assembly, P. D. Becker. 2,640,244,
Fastener assembly, W. I. Jones. 2,648,09
Fastener attaching machine. G. D. Pickering.
July 14.
Fastener blank strip, Connected. J. C. Lang.
Sept. 8.
Fastener construction, Slide. S. Rissman.
Aug. 11.
Fastener device. H. E. Hinz and H. C
2,646,863, July 28.
Fastener element having a laterally movable
Anderson. 2,633,049, Mar. 31.
Fastener for buttons and other articles, Det
Rubenstein. 2,626,437, Jan. 27.
Fastener for cord, fabric, and the like, Ela
Massey. 2,632,219, Mar. 24.
Fastener forming and inserting machine. J.
C. D. Toney, C. A. Watkins, E. Sudan, and
well. 2,636,168, Apr. 28.
Fastener for cylindrical objects, Resilient s
Brown. 2,634,472, Apr. 14.
Fastener for hinged tail gates. J. R. Morgan.
July 14.
Fastener for rigid ventilated awnings, Resil
Freeman. 2,639,477, May 26.
Fastener for storm sash and the like. W
2,624,605, Jan. 6.
Fastener-holding socket wrench. C. L. Hodges.
Apr. 14.
Fastener inserting mechanism. R. H. Bliss,
Nov. 24.
Fastener-inserting machine. W. A. Barker.
Oct. 20.
Fastener machine, Slide. A. Sonntag. 2,63
24.
Fastener of the extruded type, Slide. L. W
2,658,250, Nov. 10.
Fastener ornament and supporting means ther
A. G. Rinehart. 2,631,347, Mar. 17.
Fastener stringer, Two-way separable. L.
2,649,638, Aug. 25.
Fastener strip. J. C. Lang. 2,651,232, Sept. 8
Fastener strip. L. M. Rabinowitz. 2,661,478

Fastener strip. G. A. Tinnerman and J. F. Rafferty. 2,646,714, July 28.
Fastener stud installation, Snap. W. I. Jones. 2,640,243, June 2.
Fastener with slotted pilot portion. F. K. Brown. 2,624,228, Jan. 6.
Fastener with spreading means. O. J. Poupitch. 2,655,072, Oct. 13.
Fastening collar for attaching a cylindrical element to a perforated plate. R. J. Leverte. 2,664,132, Dec. 29.
Fastening device. S. J. Andres. Re. 23,660, May 26.
Fastening device. A. T. Bailey. 2,631,348, Mar. 17.
Fastening device. W. A. Bedford, Jr. 2,627,094, Feb. 3.
Fastening device. W. A. Bedford, Jr. 2,636,640, Apr. 28.
Fastening device. W. A. Bedford, Jr. 2,648,410, Aug. 11.
Fastening device. P. Bielkowicz. 2,660,775, Dec. 1.
Fastening device. C. J. Dalley. 2,650,845, Sept. 1.
Fastening device. J. F. Golubics. 2,659,122, Nov. 17.
Fastening device. W. O. Hanslick. 2,629,432, Feb. 24.
Fastening device. R. A. Hartman. 2,657,443, Nov. 3.
Fastening device. O. J. Poupitch. 2,654,131, Oct. 6.
Fastening device. E. Schlueter. 2,629,913, Mar. 3.
Fastening device. E. Schlueter. 2,659,952, Nov. 24.
Fastening device. R. E. Scott. 2,643,433, June 30.
Fastening device. F. H. Stearns and A. J. Thibault. 2,652,297, Sept. 15.
Fastening device. G. A. Tinnerman. 2,636,533, Apr. 28.
Fastening device. G. A. Tinnerman. 2,644,502, July 7.
Fastening device, Adjustable. F. W. Andrews. 2,636,183, Apr. 28.
Fastening device, Button. D. M. Kenyon. 2,643,427, June 30.
Fastening device for blankets. R. Ramsland. 2,643,390, June 30.
Fastening device for bubble cap assemblies. J. P. Dunn. 2,653,618, Sept. 22.
Fastening device for electric wires. G. A. Tinnerman. 2,641,808, June 16.
Fastening device for shield cans. F. W. Cook. 2,639,311, May 19.
Fastening device, License plate. E. R. Hecht. 2,654,933, Oct. 13.
Fastening devices, Mounting of threaded. P. D. Becker. 2,640,245, June 2.
Fastening device, Rail. G. S. Vickroy. 2,648,500, Aug. 11.
Fastening device, Self-aligning, screw-threaded. M. T. Phelps. 2,639,179, May 19.
Fastening device, Separable headed. K. J. Shomber. 2,640,246, June 2.
Fastening device, Suction. W. P. Semon. 2,642,248, June 16.
Fastening device, Trim. T. W. Hosking. 2,640,722, June 2.
Fastening food wafers to bird cages. D. Auerbach. 2,633,100, Mar. 31.
Fastening for gates, doors, and the like. G. B. Poole. 2,644,708, July 7.
Fastening inserting machine. C. D. Knowlton. 2,630,565, Mar. 10.
Fastening inserting machine. F. R. Thresh. 2,658,198, Nov. 10.
Fastening material to structural iron framework, Means for. A. B. Hammitt and H. L. Birum, Jr. 2,634,832, Apr. 14.
Fastening means for closures. H. B. Medley. 2,639,834, May 26.
Fastening means for frame elements or the like. R. S. Farr. 2,627,948, Feb. 10.
Fastening means for ironer roll covers. J. A. Skelton. 2,641,824, June 16.
Fastening means. L. Newman. 2,660,084, Nov. 24.
Fastening objects to cylindrical bodies, Means for. R. H. Sechrist. 2,627,431, Feb. 3.
Fastening shoe laces, Means for. J. Rave. 2,624,927, Jan. 13.
Fastening sleeve for band strapping. A. Latz. 2,646,603, July 28.
Fastening unit for toilet fixtures. E. G. Nelson. 2,653,835, Sept. 29.
Fat composition. C. H. Lighthipe, W. M. Nothum, and C. E. Retzsch. 2,630,408, Mar. 3.
Fatigue tester with mean position controller. T. R. Brennich. 2,648,978, Aug. 18.
Fatty acid concentrates, Production of. G. H. Palmer. 2,654,768, Oct. 6.
Fatty-acid modified phenol-formaldehyde resins. H. G. Smith, T. L. Cantrell, and M. L. Hill. 2,632,745, Mar. 24.
Fatty acid salts of nitrogen-containing polyethers. H. L. Parry and Q. T. Wiles. 2,640,037, May 26.
Fatty acid treatment. M. D. Reinish and J. P. Caldarera. 2,664,430, Dec. 29.
Faucet. R. T. Cornelius. 2,646,248, July 21.
Faucet. D. E. Gulick. 2,634,943, Apr. 14.
Faucet bibb repair handle. H. H. and J. W. Wister, and C. B. Davis. 2,654,621, Oct. 6.
Faucet connectors. H. E. Hirschland. 2,650,838, Sept. 1.
Faucet fixture, Fabricated. H. Harvey. 2,659,389, Nov. 17.
Faucet for dispensing carbonated beverages. F. and R. D. Welty. 2,652,856, Sept. 22.
Faucet for gas-charged liquids. J. Schor. 2,646,073, July 21.
Faucet for measuring, mixing, and dispensing beverages. J. H. Donnelly. 2,645,380, July 14.
Faucet, Mixing. F. A. Onasch. 2,624,586, Jan. 6.
Faucet, Mixing valve. A. M. El Shayeb. 2,663,317, Dec. 22.
Faucet, Nonfreeze. J. H. Hodes, Jr. 2,625,173, Jan. 13.
Faucet, Water. J. D. Dales. 2,633,862, Apr. 7.
Faucet, Water. C. P. Holderith. 2,628,057, Feb. 10.
Faucet, Water. A. G. Tucci. 2,646,246, July 21.
Faucet with pressure sealed expanding washer valve seat. D. E. Gulick. 2,645,449, July 14.
Fault detector. J. B. Hays, Jr. 2,651,021, Sept. 1.
Feathering means for propellers for aircraft, Fluid controlled. H. D. Hurt. 2,635,701, Apr. 21.
Feed and control mechanism. J. J. Eberle. 2,630,750, Mar. 10.
Feed and current supply apparatus for consumable electrodes and operating furnaces using the same. R. L. Southern. 2,662,104, Dec. 8.
Feed and guide means for power machines, Auxiliary. A. J. Roeder. 2,633,221, Mar. 31.
Feed and traverse mechanism for automatic turret lathes. W. H. Feeney and G. W. Smithson. 2,645,134, July 14.
Feed attachment for alligator shears. B. Silver. 2,638,341, May 12.
Feedback applied to magnetic recording, Negative. M. L. Gayford and W. D. Cragg. 2,649,506, Aug. 18.
Feedback system, Multiple. C. A. E. Beurtheret. 2,647,173, July 28.
Feed chute for potato chip machines. B. Stahmer. 2,644,500, July 7.
Feed composition containing an amidine, Ruminant. K. E. Walker. 2,630,386, Mar. 3.
Feed compressing machine. A. Popick. 2,647,474, Aug. 4.
Feed control for hydraulic motors. J. J. Slomer. 2,649,688, Aug. 25.
Feed control for paper filters. L. M. Persons. 2,626,012, Jan. 20.
Feed control means for seed dispensers. E. L. Faust. 2,638,246, May 12.
Feed control mechanism. R. E. Price. 2,657,505, Nov. 3.
Feed delivery device for newspaper sections and the like. C. L. Rockwell. 2,644,685, July 7.
Feed device for internal-combustion engines, Supplementary. W. Raymor. 2,657,913, Nov. 3.
Feed dispenser. N. Cordis. 2,632,423, Mar. 24.
Feed finger for automatic screw machines and gripping element therefor. F. L. Green. 2,624,102, Jan. 6.
Feed for fruit and vegetable cutting machines, Tiltable. E. R. Jagenburg. 2,628,648, Feb. 17.
Feed for power saws, Automatic. C. E. Beck. 2,630,622, Mar. 10.
Feed for sawmills, Hydraulically controlled. M. M. Barksdale. 2,648,359, Aug. 11.
Feed leveler. M. L. Smallegan. 2,646,024, July 21.
Feed locus for semiparabolic reflector. C. V. Robinson. 2,656,464, Oct. 20.
Feed material for the conversion of hydrocarbons, Preparation of. W. O. Taff and J. Weikart. 2,651,601, Sept. 8.
Feed means for rotary printing machines, Web. J. Dungler. 2,649,044, Aug. 18.
Feed mechanism. M. Fairest. 2,638,201, May 12.
Feed mechanism. J. R. Guess. 2,638,132, May 12.
Feed mechanism. E. Martin. 2,648,446, Aug. 11.
Feed mechanism. W. K. Wyatt, Jr. 2,634,022, Apr. 7.
Feed mechanism for automatic firearms cartridge belt feed type. B. Maillard. 2,644,365, July 7.
Feed mechanism for book trimming machines. C. L. Moyer. 2,627,966, Feb. 10.
Feed mechanism for carton blank forming apparatus. G. Kane. 2,652,247, Sept. 15.
Feed mechanism for flexible sheets such as envelopes. J. R. Lauffer. 2,624,576, Jan. 6.
Feed mechanism for grinding machines. H. O. Cadman. 2,657,504, Nov. 3.
Feed mechanism for internal grinding machines. R. S. Hahn. 2,647,348, Aug. 4.
Feed mechanism for nipple threading machines and the like. G. B. Marsden. 2,626,409, Jan. 27.
Feed mechanism for nipple threading machines and the like. G. B. Marsden. 2,651,791, Sept. 15.
Feed mechanism for potato chip machines. B. Stahmer. 2,651,435, Sept. 8.
Feed mechanism for sewing machines. J. Court. 2,647,481, Aug. 4.
Feed mechanism, Variable speed. J. G. McIlvain, Jr. 2,658,406, Nov. 10.
Feed mixing apparatus. S. C. Bates. 2,646,260, July 21.
Feed plate for stapling machines. W. O. Stearns. 2,627,071, Feb. 3.
Feed preservation. A. C. Eaves. 2,659,161, Nov. 17.
Feed ring with drain grooves for rotating grindstone wood grinding machines. G. D. Illig. 2,642,231, June 16.
Feed roll mechanism for saws. O. P. Smith. 2,646,088, July 21.
Feed system for steam power plants, Closed. H. Hillier. 2,654,581, Oct. 6.
Feed system, Fuel. G. R. Ericson. 2,649,051, Aug. 18.
Feed table for threaders, reamers, and other end-tooling operations. G. T. Church. 2,654,463, Oct. 6.

Feed-water control system for steam power plants. W. Powell, Jr. 2,643,520, June 30.
Feed water regulation. D. K. Swartwout, III and R. L. Gilliland. 2,659,350, Nov. 17.
Feed water system for steam irons. R. O. Stevenson and C. R. Turner. 2,625,756, Jan. 20.
Feeder: *See*—
Agitating type stock feeder.
Animal feeder.
Automatic chain conveyer type poultry feeder.
Automatic feeder.
Automatic livestock feeder.
Automatic poultry feeder.
Automatic step-by-step stock feeder.
Belt type gravimetric feeder.
Bird feeder.
Continuous stock feeder.
Dairy feeder.
Fly ash feeder.
Hog feeder.
Hopper cap feeder.
Livestock feeder.
Multiple sheet feeder.
Pebble feeder.
Poult feeder.
Poultry feeder.
Rotary fruit feeder.
Sheet feeder.
Sheet metal feeder.
Stock feeder.
Swine feeder.
Vacuum powder feeder.
Variable pitch feeder.
Worm feeder.
Feeder. R. S. Armstrong, D. and F. S. Mogliotti. 2,629,361, Feb. 24.
Feeder. S. C. Baehr and A. D. Roubloff. 2,652,139, Sept. 15.
Feeder. G. D. Friedel. 2,660,289, Nov. 24.
Feeder and holder, Screw. W. T. H. Ayers. 2,658,199, Nov. 10.
Feeder bowl. M. T. Sgriccia. 2,654,465, Oct. 6.
Feeder conveyer actuator. H. C. Lyons. 2,627,337, Feb. 3.
Feeder cup support. F. A. Kendall. 2,658,700, Nov. 10.
Feeder device for egg cleaning machines. D. M. Smith. 2,643,752, June 30.
Feeder for bucket elevators. P. Diebold. 2,633,225, Mar. 31.
Feeder for carton blanks. E. J. Pagendarm. 2,646,983, July 28.
Feeder for carton flats and the like, Vibratory. W. Jones. 2,631,851, Mar. 17.
Feeder for elongated cylinderlike objects. I. F. Stewart and D. G. Ashcroft. 2,635,261, Apr. 21.
Feeder for fluid current conveyers. H. Kronstad. 2,644,724, July 7.
Feeder for fodder cutters. W. H. Oberwortman. 2,650,745, Sept. 1.
Feeder for fruit processing machines. L. F. Williams. 2,629,480, Feb. 24.
Feeder for granular bulk material. O. Zuber. 2,632,584, Mar. 24.
Feeder for sheet material, Reciprocating. A. H. Werner. 2,635,875, Apr. 21.
Feeder for solid and liquid constituents. H. J. Atkinson. 2,636,812, Apr. 28.
Feeder mechanism. B. B. Belden and K. W. Hall. 2,632,208, Mar. 24.
Feeder tap. E. P. Smith. 2,657,290, Oct. 27.
Feeder truck, Laundry flatwork. R. M. Schultz. 2,632,627, Mar. 24.
Feeder with bearings for retracting fingers, Rotatable crop. H. W. Pilcher. 2,633,231, Mar. 31.
Feeding and clamping means for centerless bar turning machines. W. Siegerist. 2,655,066, Oct. 13.
Feeding and measuring device. L. R. Moore and K. B. Mitchell. 2,633,272, Mar. 31.
Feeding and orienting sewing hole buttons and machine therefor. W. A. Troll. 2,661,709, Dec. 8.
Feeding and registration of sheets to printing machines. F. Whyte. 2,631,849, Mar. 17.
Feeding and spreading device. J. H. Taylor. 2,624,138, Jan. 6.
Feeding apparatus. N. Cordis. 2,627,336, Feb. 3.
Feeding apparatus. H. E. Dickerman. 2,628,835, Feb. 17.
Feeding attachment for fur cutting machines. J. Zabel. 2,624,917, Jan. 13.
Feeding blanks, Method and means for. A. J. Lewis. 2,636,733, Apr. 28.
Feeding collapsible tubular members onto cores, Means for. W. D. Kennedy. 2,646,592, July 28.
Feeding device, Animal. H. H. Parker. 2,636,474, Apr. 28.
Feeding device, Animal. F. B. Reichenbach. 2,661,800, Dec. 8.
Feeding device for carton blanks, Timed. R. W. Anness. 2,639,916, May 26.
Feeding device for machine tools, Intermittent. H. Cipriano. 2,633,214, Mar. 31.
Feeding device for sheet material. J. Haller. 2,660,427, Nov. 24.
Feeding device, Sewing machine. J. E. Sanford. 2,643,624, June 30.
Feeding drive mechanism for mining machines. A. L. Lee. 2,638,332, May 12.
Feeding foot for sewing machine attachments, Attachable. J. Connors. 2,645,191, July 14.
Feeding furnaces. C. R. Kuzell. 2,657,990, Nov. 3.
Feeding glass furnaces, Method and apparatus for. G. L. Henry and E. Brichard. 2,624,475, Jan. 6.
Feeding head for injection molding apparatus. A. S. Watkins and G. L. Warsack. 2,635,288, Apr. 21.
Feeding lengths of material between series of rollers, Means for. J. Birse. 2,635,872, Apr. 21.
Feeding machine, Container. F. E. Stirn and A. 2,632,553, Mar. 24.
Feeding machine for cotton and the like. W. mann. 2,653,353, Sept. 29.
Feeding means for blowers. E. J. Johnston. July 7.
Feeding means, Infant. B. Alstadt and E. 2,661,001, Dec. 1.
Feeding mechanism, Bar stock. E. S. Mariotte. Mar. 10.
Feeding mechanism. E. Laxo. 2,655,373, Oct.
Feeding mechanism for automatic firearms. C. son. 2,627,208, Feb. 3.
Feeding mechanism for chippers. R. R. 2,652,077, Sept. 15.
Feeding mechanism for nipple threading ma the like. G. B. Marsden. 2,637,051, May 5.
Feeding mechanisms for sewing machines. 2,659,330, Nov. 17.
Feeding mechanism for spreader and seeder F. S. Ajero. 2,626,729, Jan. 27.
Feeding mechanism for wood pulp grinders. 2,659,537, Nov. 17.
Feeding mechanism, Stock. E. R. Motch, Jr. June 9.
Feeding of abrasives to glass surfacing tools. disse. 2,646,655, July 28.
Feeding of labels, sheets, and the like fron A. G. Rose. 2,645,373, July 14.
Feeding of magnetic sheet material. A. 2,650,824, Sept. 1.
Feeding of magnetic sheet material. A. Fowler. Dec. 1.
Feeding of materials. E. J. Upton. 2,657,430,
Feeding of sheets to multiroll laundry ironing S. Woodward. 2,654,969, Oct. 13.
Feeding round metal stock such as bars an straightening or reeling machines, Means Travis. 2,652,877, Sept. 22.
Feeding tapered articles, Means for. P. R. F R. Boing, and L. F. Frederick. 2,628,703, F
Feeding yarns in knitting machines, Means for. land. 2,6548,367, Nov. 10.
Feeler apparatus for controlling wrench. S. H 2,655,827, Oct. 20.
Feeler gauge. L. A. Grant. 2,654,957, Oct. 13.
Felt base floor covering and making the same. tine, Jr. 2,624,682, Jan. 6.
Felt guide, Air-operated. L. Hornbostel. 2,63 21.
Felt hardening machine. R. I. Robbins. 2,642 21.
Felting machine, Roller. G. Mezzera. 2,632 24.
Female breast support. W. E. Schroeder. June 16.
Fence attachment for hospital beds and the like R. C. Chaflin and E. O. Pratt. 2,648,075, A
Fence and fence post construction. K. T. 2,628,075, Feb. 10.
Fence guide for mowers. L. C. Woods. 2,643,5
Fence, Metal panel. T. M. Daniel. 2,642,269,
Fence, Permanent picket. B. Clendenin. 2,65 17.
Fence, Portable hinged slat. J. W. Anderson. Feb. 10.
Fence post anchoring means, Adjustable. J. 2,647,593, Aug. 4.
Fence post, Cement. C. Banister. 2,635,857,
Fence post clip. W. E. White. 2,662,740, De
Fence post driver and digger. J. F. Zeiser. Nov. 24.
Fence post driver and puller. W. E. and L. 2,657,010, Oct. 27.
Fence post extended wire supporting bracke Stevens. 2,629,574, Feb. 24.
Fence, Precast picket. M. W. and E. G. Fisher. Dec. 15.
Fence stretcher. A. Thorsbakken. 2,639,889
Fencing machine. K. H. Hoen and J. 2,655,006, Oct. 13.
Fencing post. I. A. Duke. 2,641,448, June 9.
Fender attachment for tractor mounted cultiva C. L. Carelock. 2,660,941, Dec. 1.
Fender attachment for vehicle instrument p senger protecting. R. R. Gonsett. 2,650,83
Fender for disk cultivators. E. H. Pugh. 2,63 21.
Fender guide, Automobile. H. B. Hawes. 2,63 14.
Fender, Hinged automobile. A. E. Zabel. Apr. 7.
Fender reshaping roller, Manually operated. L. 2,641,945, June 16.
Fender skirt. H. J. Anschuetz. 2,654,617,
Fender straightening machine. C. E. Jackson. Feb. 3.
Fermentation process. T. D. Nunheimer. 2,62 17.
Fermented beverages, Making. K. Franck. Aug. 25.
Ferric dithiocarbamates, Manufacture of. C. 2,651,650, Sept. 8.

Ferric oxide compositions of polishing grade, Producing. R. A. Stephens. 2,653,081, Sept. 22.
Ferric oxide compositions of polishing rouge grade and the product thereof, Producing. R. A. Stephens. 2,653,080, Sept. 22.
Ferritic chromium steels. W. O. Binder. 2,624,668, Jan. 6.
Ferritic chromium steels. W. O. Binder and R. Franks. 2,624,671, Jan. 6.
Ferritic chromium steels. W. Crafts. 2,624,669, Jan. 6.
Ferrochrome-silicon-aluminum alloy, Production of a. Ferrosilicon, Production of. M. J. Udy. 2,637,648, May 5.
A. M. Kuhlmann. 2,631,936, Mar. 17.
Ferrous alloys. M. L. Eder. 2,644,747, July 7.
Ferrous base chromium-nickel-titanium alloy. G. Mohling and W. W. Dyrkacz. 2,641,540, June 9.
Fertilizer and lime spreader. N. I. Schafer and N. Lesk. 2,627,364, Feb. 3.
Fertilizer distributor. J. R. Lowry. 2,643,031, June 23.
Fertilizer distributor. W. P. Oehler. 2,644,618, July 7.
Fertilizer distributor. B. E. Pierce. 2,657,831, Nov. 3.
Fertilizer distributor. W. J. Weeks. 2,648,464, Aug. 11.
Fertilizer distributor bearing. J. H. Starr. 2,631,069, Mar. 10.
Fertilizer elements, Packaged. L. W. Arny and H. W. Stevens. 2,649,196, Aug. 18.
Fertilizer feeder for irrigation systems, Liquid. F. R. Bryant and E. A. Brown. 2,630,249, Mar. 3.
Fertilizer, Leaf or vegetable. W. L. Semon. 2,663,629, Dec. 22.
Fertilizer machine. L. G. Hoppes. 2,631,760, Mar. 17.
Fertilizer process and product. E. A. Snow, Jr. 2,639,231, May 19.
Fertilizer spreader adjustment, Calibrated. E. L. Masters. 2,626,083, Jan. 20.
Fertilizers and producing them. A. Constant. 2,635,955, Apr. 21.
Fertilizing compositions. D. T. Mowry and R. M. Hedrick. 2,625,471, Jan. 13.
Fertilizing garden tool. W. V. Heekin. 2,635,566, Apr. 21.
Fertilizing implement, Tractor-mounted. H. Brock. 2,641,210, June 9.
Festoon drier. A. H. Pagell. 2,641,469, June 9.
Fiberboard containing bitumen modified fatty acid pitch. L. C. Bradshaw. 2,637,650, May 5.
Fiberboard forming press with loader and unloader. R. Chapman. 2,642,782, June 23.
Fiber bonding resin and bonded product. B. W. Lew. 2,658,849, Nov. 10.
Fiber comb and stripper therefor, Rotary. A. W. Gardes. 2,637,074, May 5.
Fiber container. G. W. Reese. 2,658,663, Nov. 10.
Fiber cutting apparatus, Rotary knife. C. W. Cox. 2,634,810, Apr. 14.
Fiber disintegrator and separator. M. P. Chaplin. 2,648,261, Aug. 11.
Fiber drafting. O. E. Sandelin. 2,659,936, Nov. 24.
Fiber drums having metal closures, Making. H. L. Carpenter. 2,641,827, June 16.
Fiber feeding and weighing mechanism. B. E. O'Connor and R. E. King. 2,660,393, Nov. 24.
Fiber felts, Air-laying. A. M. Crewson. 2,649,394, Aug. 18.
Fiber-forming copolymer. E. W. Gluesenkamp and G. E. Ham. 2,637,721, May 5.
Fiber-forming polymers. E. W. Gluesenkamp and A. B. Craig. 2,643,992, June 30.
Fiber-forming polymers rendered dye-receptive by reaction with tris (dimethylamido) phosphite. G. E. Ham and A. B. Craig. 2,643,986, June 30.
Fiber from flax straw, Production of. S. D. Wells. 2,641,541, June 9.
Fiber glass mat, Making a. R. E. Schwartz. 2,647,851, Aug. 4.
Fiber glass spool. F. A. Rappleyea. 2,654,549, Oct. 6.
Fiber liberation by steam expansion. R. S. Chapman and B. B. Selbenhaar. 2,633,421, Mar. 31.
Fiber preparation device. C. G. Muench. 2,662,821, Dec. 15.
Fiber separating machine. I. W. Dixon and J. R. Pangle. 2,635,297, Apr. 21.
Fiber-spinning compositions. G. E. Ham. 2,660,571, Nov. 24.
Fiber tester. R. S. Hoisington. 2,660,889, Dec. 1.
Fiber transfer and cleaning means. A. R. Nisbet, Sr. 2,625,713, Jan. 20.
Fiberizing magnesium. T. E. Leontis and J. F. Pashak. 2,657,796, Nov. 3.
Fiberizing mineral materials, Method and apparatus for. B. A. Graybeal. 2,663,051, Dec. 22.
Fiberizing molten material, Method and apparatus for. R. M. Downey. 2,646,593, July 28.
Fibers, such as glass fibers, Manufacture of. I. Peyches. 2,629,969, Mar. 3.
Fibrinolysin derived from blood and obtaining the same. E. C. Loomis. 2,624,691, Jan. 6.
Fibrous elements from woody material, Production of. J. d'A. Clark. 2,655,189, Oct. 13.
Fibrous material extrusion apparatus. E. L. Croston and H. R. Harbord. 2,648,262, Aug. 11.
Fibrous material, Optically bleached. J. D. Kendall and D. J. Fry. 2,649,385, Aug. 18.
Fibrous product of the nonwoven fabric type and making it, Cockled. O. A. Battista. 2,647,297, Aug. 4.
Fibrous sheet covered plywood, Manufacturing. D. H. Grangaard. 2,656,296, Oct. 20.
Field controlled hydraulic device. W. M. Winslow. 2,661,596, Dec. 8.
Field-sensitive hydraulic apparatus. F. Pierce. 2,651,258, Sept. 8.
Fifth wheel coupling. F. A. Beachler. 2,638,352, May 12.
Fifth wheel for tractor trailers and the like. G. C. Schaefer. 2,662,799, Dec. 15.
Fifth wheel jaw wear compensating means. H. Ketel. 2,663,575, Dec. 22.
Fifth wheel member, Resiliently mounted. F. H. Kayler. 2,648,544, Aug. 11.
Fifth wheel plate, Pivotally mounted. J. P. K. Fontaine. 2,661,960, Dec. 8.
Figure formed cycle. S. F. Fowler. 2,646,990, July 28.
Figure simulating toy vehicle. C. P. Alonzo. 2,626,403, Jan. 13.
Filament bristle brushes, Making. C. E. Maynard. 2,647,019, July 28.
Filament emission electrode and minimizing filament stresses therein. L. R. McIntosh. 2,653,267, Sept. 22.
Filament for electron tubes. P. D. Williams. 2,625,666, Jan. 13.
Filament mounting apparatus. A. E. Kulberg, R. M. Terry, and S. E. Swasey. 2,640,509, June 2.
Filament structure for electron discharge device. W. N. Parker. 2,626,370, Jan. 20.
Filament structure. G. J. Agule. 2,659,023, Nov. 10.
Filament support structure for electron discharge devices, H. J. Dailey. 2,632,129, Mar. 17.
Filament tensioner. J. O. and S. H. Reece, 2,643,857, June 30.
Filament tensioning device. P. I. Corbell and R. J. Black. 2,656,480, Oct. 20.
Filamentary cathode. H. Jacobs and G. Hees. 2,639,996, May 26.
File, Banker's note and collateral indexing. B. H. Caldwell. 2,655,156, Oct. 13.
File cabinet. M. P. de Perales. 2,624,650, Jan. 6.
File compressor. J. W. Kent. 2,648,337, Aug. 11.
File folder, Vertical-type. J. S. McTavish and A. H. Topham. 2,626,610, Jan. 27.
File for documents. E. F. Lowings. 2,632,449, Mar. 24.
File for photographic slides. L. B. Pierce. 2,630,219, Mar. 3.
File for program tapes, Storage. E. S. Wright. 2,660,506, Nov. 24.
File guide. E. L. Lee. 2,647,520, Aug. 4.
File-guide, Saw sharpening. E. M. Greenlee. 2,662,423, Dec. 15.
File holder. J. B. Cox. 2,664,017, Dec. 29.
File holder. C. B. Dailey and H. Harrison. 2,645,002, July 14.
File, Page card. H. H. and M. J. Feldstein. 2,651,126, Sept. 8.
File, Paper or bill. H. F. Beckard. 2,627,273, Feb. 3.
File position indicating device. C. F. Zukoski. 2,648,336, Aug. 11.
File separator. E. A. Dahl. 2,657,692, Nov. 3.
File, Slide. A. E. Milliken. 2,656,239, Oct. 20.
File, Sliding drawer transfer. A. C. Strayer. 2,655,423, Oct. 13.
Filing device. E. J. Czerniawski. 2,659,512, Nov. 17.
Filing device. A. S. Karper. 2,628,618, Feb. 17.
Filing device, Portable chain saw. M. J. Butts. 2,633,761, Apr. 7.
Filing device, Saw. T. R Roberts. 2,662,425, Dec. 15.
Filing device, Saw. A. Thomassen. 2,661,635, Dec. 8.
Filing drum. R. P. Scholfield. 2,642,875, June 23.
Filing equipment for identification badges. H. S. Mues. 2,664,195, Dec. 29.
Filing machine. L. J. Tansey and J. B. Hoy. 2,648,121, Aug. 11.
Filing machine, Power. J. Wingo, Jr. 2,632,940, Mar. 31.
Filing machine, Saw. H. E. Hull. 2,655,057, Oct. 13.
Filing unit. C. R. Chamberlin. 2,646,801, July 28.
Filler and cap construction. E. H. Wittenberg. 2,634,882, Apr. 14.
Filler block for loose-leaf binders. W. McKowen. 2,639,713, May 26.
Filler box for cushion filling machines. H. A. Ferrier. 2,652,962, Sept. 22.
Filler cap loosening wrench. O. C. Nystul. 2,650,608, Sept. 1.
Filler feed for cigar bunch machines. J. F. Halstead. 2,625,938, Jan. 20.
Filler feed for cigar machines. R. E. Rundell. 2,625,936, Jan. 20.
Filler for cartons. J. L. Dusseault. 2,651,448, Sept. 8.
Filler structure for kitchen cabinets. H. G. Knuth. 2,661,995, Dec. 8.
Filling and closing machine. L. McGihon. 2,661,134, Dec. 1.
Filling and holding device for containers. F. P. Tucker. 2,637,477, May 5.
Filling and venting means for electric batteries. A. Coates. 2,662,108, Dec. 8.
Filling and weighing device. J. N. Schrock. 2,625,361, Jan. 13.
Filling apparatus. B. S. Harrington. 2,648,477, Aug. 11.
Filling apparatus and method. W. M. Martin and A. E. Post. 2,631,768, Mar. 17.

Filling containers. R. Kennedy, Jr., 2,648,476, Aug. 11.
Filling containers. R. H. Winters. 2,662,017, Dec. 8.
Filling device. H. F. Coffey and P. H. Lanham. 2,660,336, Nov. 24.
Filling end separator for multiple shuttle looms. F. J. Leard. 2,650,622, Sept. 1.
Filling head for filling machines. P. R. Fechheimer. 2,660,358, Nov. 24.
Filling head for vacuum powder filling machines. C. F. Carter. 2,642,216, June 16.
Filling head having overflow valve check means. C. L. Day and J. E. Freeze. 2,663,483, Dec. 22.
Filling machine. C. R. Curtis. 2,630,997, Mar. 10.
Filling machine. R. W. Garrett. 2,638,259, May 12.
Filling machine. F. W. Kruger. 2,656,963, Oct. 27.
Filling machine. F. W. Krueger and W. de Back. 2,663,481, Dec. 22.
Filling machine and valve therefor. L. McGihon. 2,637,478, May 5.
Filling machine, Capsule. A. W. Kath. 2,630,953, Mar.10.
Filling machine for containers. E. F. Rowekamp. 2,660,356, Nov. 24.
Filling machine having vertically reciprocable tamping arms and plunger. R. J. Goldberg. 2,639,072, May 19.
Filling machine, Rotary. W. E. Gross. 2,631,770, Mar. 17.
Filling machine valve. W. H. Bulcao. 2,660,359, Nov. 24.
Filling machine with endless belt conveyers for fibrous materials. M. and R. J. Golderg. 2,646,913, July 28.
Filling machine with weight control, Volumetric. F. R. Clark and J. Aponovitch. 2,645,447, July 14.
Filling motion for shuttleless looms. E. J. Berry and G. T. Allenson. 2,654,399, Oct. 6.
Filling replenishing means for looms. F. F. Donoghue, K. E. Sanderson, and J. D. Pigott. 2,654,400, Oct. 6.
Filling stop motion for narrow ware looms. A. Cederlund. 2,646,827, July 28.
Film, Antistatic photographic. W. S. Richardson. 2,649,374, Aug. 18.
Film attaching means for reels. T. R. Biko and D. S. Deutsch. 2,640,659, June 2.
Film cartridge for photographic cameras. H. Nerwin. 2,662,696, Dec. 15.
Film developing table. B. B. Weaver. 2,651,982, Sept. 15.
Film drive compensatory mechanism. R. W. Wengel. 2,641,901, June 16.
Film driving means in sound projectors. R. L. Moore and S. L. Pastor. 2,645,478, July 14.
Film drying apparatus. J. L. Cahill. 2,645,800, July 21.
Film feeding and position indicating mechanism for photographic cameras. W. Knauf. 2,643,826, June 30.
Film guide roller for motion-picture projecting machines. E. W. D'Arcy. 2,639,146, May 19.
Film guide structure for photographic cameras. R. Heldecke. 2,645,170, July 14.
Film handling apparatus and magazine for use therewith and control thereof. W. D. Foster. 2,624,233, Jan. 6.
Film handling mechanism for viewing apparatus. E. E. Strauss. 2,630,739, Mar. 10.
Film hanger rack. W. M. White and R. P. Leavitt. 2,655,849, Oct. 20.
Film holder. P. D. Merrill. 2,639,530, May 26.
Film holder for self-developing cameras. M. N. Fairbank. 2,638,826, May 19.
Film indexing. H. T. Olson. 2,660,089, Nov. 24.
Film magazine. A. V. L. C. Debrie. 2,644,646, July 7.
Film magazine. A. Kurnick and L. Brownstein. 2,628,545, Feb. 17.
Film magazine, Endless. W. C. Eddy. 2,656,184, Oct. 20.
Film mount. P. G. Kiehl and W. H. Kolath, Jr. 2,659,992, Nov. 24.
Film mount slide. C. J. Cadwell and F. M. Adamson. 2,656,631, Oct. 27.
Film packet. A. Kurnick and L. Brownstein. 2,656,772, Oct. 27.
Film projecting and viewing apparatus, Portable. R. M. Barth. 2,634,652, Apr. 14.
Film projecting and viewing apparatus with film locating means. C. P. Rounsefell. 2,633,774, Apr. 7.
Film pulldown mechanism for television. F. J. Somers. 2,625,602, Jan. 13.
Film receiving frame. G. P. Grant, Jr. 2,629,303, Feb. 24.
Film reel band, Motion-picture. E. S. Miller. 2,633,983, Apr. 7.
Film reel drive mechanism. J. L. Pettus. 2,657,871, Nov. 3.
Film reel fastener. E. T. Rahfuse. 2,638,284, May 12.
Film roll, Sealed photographic. O. E. Wolff. 2,630,385, Mar. 3.
Film selecting method and system, Automatic. A. Badmaieff. 2,661,164, Dec. 1.
Film shipping case. J. J. Ash. 2,626,705, Jan. 27.
Film spool and mold for making the same. H. H. Kugel. 2,643,072, June 23.
Film spool-holding means. M. N. Fairbank. 2,630,050, Mar. 3.
Film sprocket clutch. J. L. Pettus. 2,644,562, July 7.
Film strip advancing mechanism for projectors. L. R. Bangsbergh. 2,661,656, Dec. 8.
Film strip guiding structure in projectors. O. P. Horning and S. V. Pultorak. 2,635,503, Apr. 21.
Film threading means for projector apparatus. A. E. Krows. 2,632,361, Mar. 24.
Film type liquid fuel burner. G. Kopp. 2,661,055, Dec. 1.
Film washing process. H. McAlpine and H. [illegible] 2,634,221, Apr. 7.
Film winding and shutter tensioning contro[illegible] mechanism, Automatic. J. E. Harvey. 2,655 20.
Film-feeding mechanism, Intermittent. V. H. Ju 2,641,962, June 16.
Film-forming composition, Dulled. H. L. Be K. R. Brown. 2,627,478, Feb. 3.
Film-metering device, Two-way. R. E. Kesel Robinson. 2,629,563, Feb. 24.
Film-perforation pitch gauge. C. A. Morrison Brown. 2,641,956, June 16.
Film-retaining device for reels. F. L. Eastman. Sept. 29.
Film viewer, Flat. D. S. McCheaney. 2,660,92
Film winder, Motion-picture. A. K. Hichman. Dec. 22.
Film-winding device. H. L. Fitch. 2,652,208,
Filming luminescent screen. S. Pakswer a Intiso. 2,650,884, Sept. 1.
Films and making them, Thread-reinforced. C. S Jr. 2,631,957, Mar. 17.

Filter: *See*—

Air filter.
Band pass filter.
Channel separation light filter.
Clarifying filter.
Coaxial transmission line filter.
Continuous rotary pressure or vacuum filter.
Corrugated screen gas impingement filter.
Electrochemical color filter.
Electromagnetic wave microwave frequency filter.
Electromechanical filter.
Electronic ripple suppression filter.
Electrostatic filter.
Engine filter.
Fluid filter.
Fuel filter.
Gasoline filter.
Glare filter.
Horizontal plate filter.
Inclined rotary vacuum filter.
Infrared band pa
Mist filter.
Mode filter.
Multiple-neck fil
Multisection aco
Nasal filter.
Oil burner filter.
Oil filter.
Outward flow fil
Radio-frequency
Resonant cavity
Rotary drum filt
Rotary drum suc
Rotary electrost
Rotary pan filter
Speed filter.
Suction cleaner
Transversal elec filter.
Tunable band-pa filter.
Variable electric
Waste-packed oil
Window air filte

Filter. J. Cording, Jr., and A. Shaines. 2,636 28.
Filter. P. G. Cox. 2,648,438, Aug. 11.
Filter. R. H. Curtis. 2,663,430, Dec. 22.
Filter. T. A. Flanigan. 2,625,271, Jan. 13.
Filter. C. S. Garland and F. H. Rogers. June 16.
Filter. R. W. Geiger. 2,655,091, Oct. 13.
Filter. R. P. Hammond and J. A. Leary. Feb. 24.
Filter. L. H. Hove, E. J. Hankes, and M. 2,647,635, Aug. 4.
Filter. W. Kasten. 2,635,174, Apr. 14.
Filter. G. A. Lash and E. B. Chamberlin. Dec. 8.
Filter. J. M. Launder. 2,657,806, Nov. 3.
Filter. A. W. Lawson, Jr., and R. M. Fano. Mar. 24.
Filter. J. M. Leet. 2,647,637, Aug. 4.
Filter. P. L. Legus. 2,652,151, Sept. 15.
Filter. M. J. Martin. 2,643,772, June 30.
Filter. J. M. Miller and B. Salzberg. 2,629,04
Filter. H. S. Ogden. 2,627,351, Feb. 3.
Filter. E. Polacco. 2,660,167, Nov. 24.
Filter. A. D. Redner. 2,658,624, Nov. 10.
Filter. J. W. Robinson and M. Dobrolet. July 28.
Filter. E. L. Rodwell. 2,630,227, Mar. 3.
Filter. M. A. Sullivan. 2,661,845, Dec. 8.
Filter adapter. G. A. Brace. 2,650,113, Aug.
Filter and cooler for smoking devices. F. 2,630,807, Mar. 10.
Filter and demulsifier, Fuel. W. A. Carroll. May 12.
Filter and hose reel, Combined. W. M. Harks. May 12.
Filter and indicator, Brake system. A. J. C. 2,661,847, Dec. 8.
Filter and strainer, Liquid or gas self-cleani Bossard. 2,663,429, Dec. 22.
Filter and trap, Combination. R. C. C 2,636,571, Apr. 28.
Filter appliance, Oil. J. E. Tyler. 2,630,919,
Filter arrangement for combined radio rec transmitting systems. D. C. Espley. 2,640,9
Filter assembly, Fiber disk. J. Vocelka. 2,631 17.
Filter bag for suction cleaners. B. Cordray. Mar. 3.
Filter block, its preparation and use, Bonded. S. 2,635,991, Apr. 21.
Filter bottom. D. Miller, Jr. 2,648,439, Aug.

Filter cartridge. W. K. Greene. 2,647,633, Aug. 4.
Filter cartridge. J. D. Wicks. 2,627,350, Feb. 3.
Filter cartridge for lubricating oil clarifier. H. Thomas. 2,631,730, Mar. 17.
Filter cloth, Preparing a. O. H. Van Norden. 2,631,110, Mar. 10.
Filter construction, Air. C. E. Butterfield. 2,664,172, Dec. 29.
Filter construction, Centrifugal oil. G. T. Bynum. 2,663,424, Dec. 22.
Filter construction, Oil. W. A. Gerhart. 2,661,848, Dec. 8.
Filter control. S. O. Morrison. 2,632,566, Mar. 24.
Filter device for use in sequential television systems, Mechanical color. A. V. Bedford. 2,661,391, Dec. 1.
Filter device, Liquid. V. S. Crane and P. R. Honan. 2,664,203, Dec. 29.
Filter element, By-pass. W. S. James. 2,646,885, July 28.
Filter element formed of paper impregnated with thermoplastic resin. J. W. Robinson. 2,654,440, Oct. 6.
Filter for aquariums, Submerged. C. Rodda. 2,653,908, Sept. 29.
Filter for microphones, Acoustic. J. E. Volkmann and M. L. Graham. 2,627,932, Feb. 10.
Filter for powders. E. H. Schoeffler and H. O. Olsen. 2,632,525, Mar. 24.
Filter for purifying a liquid or gaseous fluid. J. Depallens. 2,641,364, June 9.
Filter for removing ice crystals from hydrocarbon liquids and the like. J. W. Robinson and W. S. James. 2,654,482, Oct. 6.
Filter for use in fuel injection pumps. K. Brook and F. M. Evans. 2,638,227, May 12.
Filter holder. G. F. Bell. 2,627,207, Feb. 3.
Filter manufacture. F. W. Maurer and J. B. Hirschmann. 2,649,395, Aug. 18.
Filter medium and making the same. N. D. Hanson. 2,648,617, Aug. 11.
Filter medium for rotary drum filters. T. R. Komline. 2,652,927, Sept. 22.
Filter mounting for suction cleaners. G. G. Hawk. 2,641,332, June 9.
Filter network, Electric. J. F. Klinkhamer. 2,662,216, Dec. 8.
Filter plate screen clip. F. H. Clarke. 2,663,431, Dec. 22.
Filter replacement mechanism for vacuum cleaners. E. P. Senne. 2,646,855, July 28.
Filter structure, Coaxial line. H. P. Thomas. 2,641,646, June 9.
Filter structure for suction cleaning apparatus. F. A. Martin and M. H. Ripple. 2,637,410, May 5.
Filter support and actuating mechanism, Plural. M. I. Talley. 2,660,926, Dec. 1.
Filter surface wash nozzle. P. F. Pew. 2,663,591, Dec. 22.
Filter testing device. C. L. Hazelton. 2,638,688, May 19.
Filter tip and like composite cigarettes, Manufacture of. W. F. M. Edwards. 2,649,761, Aug. 25.
Filter unit. T. S. Lasky. 2,660,316, Nov. 24.
Filter unit, Fuel oil. J. J. Prendergast 2,651,418, Sept. 8.
Filter unit construction. A. E. Bell. 2,642,187, June 16.
Filter unit construction, Replaceable. R. R. Layte and A. E. Bell. 2,642,188, June 16.
Filter unit, Invertible. A. A. Schuller. 2,625,273, Jan. 13.
Filter units for a filter apparatus, Production of. A. C. Kracklauer. 2,639,251, May 19.
Filter using transverse supporting means. M. L. Doelz. 2,656,516, Oct. 20.
Filter-aid dispenser. A. A. Spell. 2,646,674, July 28.
Filtering and metering device, Fluid. W. Kasten. 2,635,641, Apr. 21.
Filtering apparatus. J. N. Humber, H. Hogeman, and P. G. Burman. 2,639,036, May 19.
Filtering apparatus. H. J. Snyder and E. A. Gendron, Jr. 2,660,312, Nov. 24.
Filtering apparatus, Dust. J. M. Lewis and R. A. Bub. 2,640,560, June 2.
Filtering apparatus, Electric. P. E. Whittington. 2,640,026, May 26.
Filtering device. A. J. Simpson and J. F. Zwicky. 2,633,990, Apr. 7.
Filtration method. C. A. Frankenhoff. 2,652,152, Sept. 15.
Filtration system, Liquid or oil. C. C. S. Le Clair. 2,646,886, July 28.
Fin assembly, Releasable. C. L. Barker and R. G. Gavlak. 2,656,135, Oct. 20.
Fin stiffeners for engine cylinders, Making. A. Panagrossi. 2,641,024, June 9.
Fin tubing, Making. E. Bruegger. 2,661,526, Dec. 8.
Fin vibration damping means. G. H. Keller. 2,635,858, Apr. 21.
Final connection between preassembled units of self-supporting automobile bodies. A. R. Lindsay. 2,662,794, Dec. 15.
Finder mechanism for beet toppers. G. E. Stadstad. 2,654,205, Oct. 6.
Fine adjustment device. A. L. Stewart. 2,654,262, Oct. 6.
Fine aqueous dispersion of sulfur, Production of. L. O. Brown and T. J. McKee. 2,658,016, Nov. 3.
Finger board for stringed musical instruments and making the same, Fretted. M. Maccaferri. 2,649,828, Aug. 25.
Finger control attachment wrench. H. B. Evans. 2,657,603, Nov. 3.
Finger cot, Physician's. N. H. Friedman. 2,637,031, May 5.
Finger cot or protector, Adjustable. W. J. Watermann. 2,637,850, May 12.
Finger grip for handles of tools. R. H. Dell. 2,655,963, Oct. 20.
Finger jointing press unit. H. H. Dedo. 2,645,257, July 14.
Fingernail cover. H. L. Pettey. 2,633,139, Mar. 31.
Fingerprinting machine. L. F. Johnson and R. T. Tennant. 2,629,194, Feb. 24.
Finger rest for application of nail polish. C. Swartz. 2,662,534, Dec. 15.
Finger splint, Adjustable surgical. A. D. Baer. 2,646,794, July 28.
Finger to piano key indicator. L. Wallace. 2,663,211, Dec. 22.
Finish molding for vehicle closures, Hinged. J. H. Wernig. 2,631,887, Mar. 17.
Finishing composition for textile materials. D. H. Powers. 2,635,056, Apr. 14.
Finishing fish skins. H. Rose. 2,633,730, Apr. 7.
Finishing of polyisobutylene. J. R. Quelly and S. A. Sankus. 2,641,620, June 9.
Finishing process for felt and felt hat bodies. I. Kaufman. 2,626,732, Jan. 27.
Finishing reclaim rubber. G. L. Brown and T. A. Johnson. 2,645,817, July 21.
Finishing the ends of tile sections, Method and apparatus for. C. E. Webb. 2,630,613, Mar. 10.
Finishing tops of hosiery forms. B. P. Cooper and J. N. Henshaw. 2,635,291, Apr. 21.
Fire alarm and extinguisher. G. Gafin. 2,629,449, Feb. 24.
Fire alarm and fire extinguisher, Self-contained. P. J. Showstack. 2,649,752, Aug. 25.
Fire alarm signal station, Automatic and manually operated. M. Levy. 2,652,468, Sept. 15.
Fire alarm station, Automatic and manually operated multiple switch. M. Levy. 2,652,463, Sept. 15.
Fire alarm switch. W. Normand. 2,664,484, Dec. 29.
Fire alarm switch. I. F. Pyles. 2,646,480, July 21.
Firearm, Automatic. H. Lippert and E. Hepperle. 2,650,520, Sept. 1.
Firearm cocking mechanism. I. Murray. 2,659,276, Nov. 17.
Firearm, Nail-driving. C. Tietig. 2,632,890, Mar. 31.
Firearm safety device. F. Holek. 2,632,272, Mar. 24.
Firearm with forwardly moving barrel, Gas-operated automatic. W. A. Schaich. 2,628,536, Feb. 17.
Firearm with tilting locking block, Slide-actuated. L. R. Crittendon and P. R. Haskell. 2,645,873, July 21.
Firearms, Gas-operated self-ejecting and self-loading. H. W. Hester. 2,637,247, May 5.
Firebox construction. H. L. Miller. 2,631,574, Mar. 17.
Fire control apparatus. H. C. Ford. 2,657,464, Nov. 3.
Fire control apparatus for controlling the flight of missiles. P. B. Hunter. 2,629,289, Feb. 24.
Fire control mechanism. A. F. Gaidos. 2,649,031, Aug. 18.
Fire converter for semiautomatic firearms, Selective. A. F. Gaidos. 2,649,030, Aug. 18.
Fire detection apparatus. S. F. Barclay. 2,632,885, Mar. 24.
Fire detection system. M. F. Peters. 2,659,067, Nov. 10.
Fire detector. M. E. Ouellette. 2,627,004, Jan. 27.
Fire door holder. H. P. Birkemeier. 2,635,718, Apr. 21.
Fire escape device. L. A. Eastman. 2,656,967, Oct. 27.
Fire extinguisher. B. J. Allen and F. A. Rauh. 2,635,376, Apr. 21.
Fire extinguisher, Aerial. L. E. Carlson. 2,633,920, Apr. 7.
Fire extinguisher discharge device. H. Ensminger. 2,655,219, Oct. 13.
Fire extinguisher discharge head. W. M. Haessler. 2,661,804, Dec. 8.
Fire extinguisher discharge head. A. E. Weaver and C. H. Smith. 2,649,919, Aug. 25.
Fire extinguisher sprinkler head. P. Lim. 2,661,805, Dec. 8.
Fire extinguisher structure. C. L. Zabriskie. 2,659,443, Nov. 17.
Fire extinguishing apparatus for homes. J. Petro. 2,652,068, Sept. 15.
Fire extinguishing apparatus, Trigger. H. Génin and H Debray. 2,653,667, Sept. 29.
Fire extinguishing composition of CBr_2F_2 or CF_3BrCF_2Br containing CF_4 as a propellant. B. J. Eiseman, Jr. 2,653,130, Sept. 22.
Fire extinguishing compositions, Free flowing. S. E. Allen and D. Levin. 2,631,977, Mar. 17.
Fire hose rack. R. O. Lund. 2,634,071, Apr. 7.
Fireplace and guard therefor. H. O. and J. A. Davies. 2,634,719, Apr. 14.
Fireplace front. C. C. Helwig. 2,627,914, Feb. 10.
Fireplace screen support. F. J. Meyer. 2,644,191, July 7.
Fire prevention system for fuel tanks. F. L. Healy and J. J. Connors. 2,625,298, Jan. 13.
Fire rescue apparatus. W. J. Bernett. 2,647,675, Aug. 4.

Fire resistant pad. C. H. Wooffendale. 2,632,187, Mar. 24.
Fire-resistant resinous product and producing same. H. K. Nason and M. L. Nielsen. 2,661,341, Dec. 1.
Fire responsive mechanism. M. F. Peters. 2,650,665, Sept. 1.
Fire-retardant composition containing an anion exchange resin. W. Juda, G. Jones, and N. Altman. 2,628,946, Feb. 17.
Fire-retarding coating composition composed of nitrogen-phosphorus compound with an aldehyde resin. M. L. Nielsen. 2,462,405, June 16.
Fire safety appliance for application to the outside of windows. A. F. Wintercorn. 2,647,293, Aug. 4.
Firetube baffle insert with protected tip for heat exchangers. M. W. Stout. 2,641,206, June 9.
Firing ceramic articles. G. M. J. Cremer. 2,625,730, Jan. 20.
Firing glaze on a ceramic surface. R. D. Smith. 2,634,219, Apr. 7.
Firing head assembly for fuel burners. R. W. De Lancey. 2,663,365, Dec. 22.
Firing mechanism for automatic guns. H. Trevaskis. 2,642,779, June 23.
Firing mechanism for double-barreled guns, Single trigger. F. J. Crory. 2,641,076, June 9.
Firing mechanism for firearms. S. G. Green. 2,656,636, Oct. 27.
Firing mechanism for pistols. R. D. Parry. 2,659,172, Nov. 17.
Firing mechanism, Underwater. H. H. Mohaupt. 2,660,952, Dec. 1.
Firing pin retracting means for firearms. J. L. Lochhead. 2,626,474, Jan. 27.
Firing silicon carbide ceramic products. J. K. Sjogren. 2,624,932, Jan. 13.
First fire charge composition. J. H. McLain and T. A. Ruble. 2,643,946, June 30.
First-mode torsional vibration damper. G. C. Seavey. 2,625,379, Jan. 13.
Fischer-Tropsch catalyst preparation and regeneration. A. Clark. 2,636,011, Apr. 21.
Fish advancing means. N. L. Oates. 2,630,208, Mar. 3.
Fish and crab hook. C. W. Berry. 2,648,927, Aug. 18.
Fish bait and manufacturing same, Prepared. D. R. Buss. 2,631,937, Mar. 17.
Fish bait, Artificial. O. R. Angell. 2,631,397, Mar. 17.
Fish bowl and hollow handle assembly. E. A. Itice. 2,646,021, July 21.
Fish canning process and pack. H. D. Dakis. 2,644,757, July 7.
Fish catching apparatus. G. H. Silva. 2,643,477, June 30.
Fish catching means. G. B. Nelson and E. D. Neiman. 2,634,540, Apr. 14.
Fish classifying means. L. A. Ederer. 2,643,481, June 30.
Fish cutting machine. J. J. Duggan. 2,654,119, Oct. 6.
Fish display. E. B. Pease. 2,657,927, Nov. 3.
Fish fillet blocks, Preparing. H. E. Crowther and L. T. Hopkinson. 2,643,952, June 30.
Fish grabber. W. N. Agneberg. 2,634,159, Apr. 7.
Fish gripper. M. L. Detwiler. 2,653,844, Sept. 29.
Fish holder. D. A. Novak. 2,653,048, Sept. 22.
Fish holder for fishhook removal. T. O. Helgeson. 2,644,267, July 7.
Fishhook. G. T. Dalton. 2,629,959, Mar. 3.
Fishhook. J. S. Garner. 2,640,291, June 2.
Fishhook. W. H. Heki. 2,644,264, July 7.
Fishhook. T. M. Jolley. 2,624,150, Jan. 6.
Fishhook. V. C. Kahle. 2,624,146, Jan. 6.
Fishhook and line holder. C. F. Stevens and J. F. Rathburn. 2,633,661, Apr. 7.
Fishhook and live bait cage, Combined. E. Sokolik. 2,636,306, Apr. 28.
Fishhook dislodging and extracting instrument. B. F. Borup. 2,662,331, Dec. 15.
Fishhook, Double-duty. C. T. Taylor. 2,645,054, July 14.
Fishhook extractor. A. S. Klinicki. 2,644,268, July 7.
Fishhook holder. G. G. Chew. 2,629,965, Mar. 3.
Fishhook holder. A. E. Randall. 2,636,309, Apr. 28.
Fishhook releaser. G. B. Lennen. 2,651,132, Sept. 8.
Fishhook securing means. G. W. Mason and B. D. Gee. 2,636,307, Apr. 28.
Fishhook structure, Adjustable. A. C. DeMello. 2,663,966, Dec. 29.
Fishhook, Weedless. M. F. Kemmerer. 2,651,134, Sept. 8.
Fish landing funnel. W. F. Gearien. 2,641,078, June 9.
Fish landing net. O. C. Richardson. 2,626,477, Jan. 27.
Fish landing net, Angler's. A. C. Ross. 2,637,133, May 5.
Fishline bobber. A. P. Sowa. 2,631,399, Mar. 17.
Fishline holder. I. Levine. 2,639,869, May 26.
Fish lure. J. W. Baum. 2,633,659, Apr. 7.
Fish lure. A. S. Chase. 2,645,875, July 21.
Fish lure. K. W. Coons. 2,635,381, Apr. 21.
Fish lure. A. G. Davidson. 2,637,134, May 5.
Fish lure. R. B. Dunham. 2,646,642, July 28.
Fish lure. J. F. Fitzgerald. 2,627,134, Feb. 3.
Fish lure. L. J. Eppinger. 2,638,698, May 19.
Fish lure. L. J. Eppinger. 2,657,495, Nov. 3.
Fish lure. B. Hagstrom. 2,659,995, Nov. 24.
Fish lure. R. W. Hale. 2,632,276, Mar. 24.
Fish lure. K. R. Larson. 2,629,199, Feb. 24.
Fish lure. C. K. McMillin. 2,663,112, Dec. 22.
Fish lure. C. J. Nadolny. 2,640,292, June 2.
Fish lure. M. R. Norton. 2,624,971, Jan. 13.
Fish lure. A. R. Ogburn. 2,662,330, Dec. 15.
Fish lure. P. J. Pero. 2,660,827, Dec. 1.
Fish lure. H. W. Poe. 2,641,862, June 16.
Fish lure. E. F. Powell. 2,630,648, Mar. 10.
Fish lure. W. Schiller. 2,645,052, July 14.
Fish lure. G. J. Sharps. 2,651,133, Sept. 8.
Fish lure. A. Stettner. 2,644,265, July 7.
Fish lure. F. M. C. Usher. 2,632,274, Mar. 24.
Fish lure. C. L. Wagner. 2,639,537, May 26.
Fish lure. G. E. Wise. 2,641,080, June 9.
Fish lure and spoon, Nontwisting. A. W. 2,624,147, Jan. 6.
Fish lure, Artificial. A. M. Arbogast. 2,630,648
Fish lure guard. K. A. Hollingsworth. 2,663,11
Fish net. W. L. Oslund. 2,653,403, Sept. 29.
Fish net, Folding. H. R. Ziebell. 2,657,491, No
Fish netting, Nylon. R. Johnson and R. 2,653,372, Sept. 29.
Fish set, Automatic. R. L. Deal. 2,654,338, O
Fish skinning tool. G. A. Tifft. 2,654,120, O
Fish stop for dams. W. A. and V. H. Sibinski. June 9.
Fish stringer. H. R. Milan and O. L. Bluege. Dec. 15.
Fishtail clamp and mounting. J. X. Peterson. Jan. 13.
Fish trapping apparatus. L. A. Ederer. Dec. 22.
Fisherman's fly book. W. C. Swift. 2,625,261,
Fisherman's kit box. I. P. Thunell. 2,629,964,
Fisherman's lounging seat. G. L. Wong. 2,64 14.
Fisherman's plier type shot splitting tool. H. H 2,653,332, Sept. 29.
Fishing apparatus. F. A. Weckerling. 2,628,44
Fishing bait, Artificial. W. F. Martin. 2,663,9
Fishing bobber, Illuminated floating. V. R. 2,642,691, June 23.
Fishing device. R. V. Allen. 2,644,263, July 7.
Fishing device. M. J. Derkovitz. 2,638,696, Ma
Fishing device. J. Doran. 2,641,861, June 16.
Fishing device. A. C. Freire. 2,653,407, Sept.
Fishing device. V. J. Lambert. 2,629,962, Ma
Fishing device. S. W. Sam. 2,648,928, Aug. 1
Fishing device. B. Westerfield. 2,642,694, Ju
Fishing float. P. A. Nordlund. 2,646,643, Ju
Fishing float. C. F. Shoenfelt. 2,636,305, Ap
Fishing float. G. D. Wanner. 2,627,693, Feb.
Fishing hook assembly, Tong. O. C. Richardson. Mar. 24.
Fishing kit. T. J. Adams. 2,634,541, Apr. 14.
Fishing leader holder. L. C. Warner. 2,663,1
Fishing leader kit. O. E. Seeburg. 2,638,699,
Fishing line actuator. D. D. Leach. 2,659,17
Fishing line agitator. H. H. Paulsen. 2,643,47
Fishing line and lure clamp for fishing po Pletcher. 2,627,133, Feb. 3.
Fishing line and plug retriever. M. Bress. Feb. 10.
Fishing line attachment. L. O. Cope and W 2,654,177, Oct. 6.
Fishing line attachment. J. Masi. 2,663,10
Fishing line brake. S. H. Lichtig. 2,650,448,
Fishing line drying reel. E. S. Gniadecki. July 7.
Fishing line guide. R. L. Johnson. 2,650,44
Fishing line leader reel. J. Kirby. 2,632,609,
Fishing line meter. L. L. La Fontaine and F. 2,637,112, May 5.
Fishing line sinker. A. N. Tongson. 2,663,1
Fishing line sinker. L. F. Updegrove. 2,644,2
Fishing line washing and drying reel. W. M 2,643,660, June 30.
Fishing lure. A. W. Baxter. 2,629,960, Mar.
Fishing lure. A. R. Bradley. 2,653,408, Sept.
Fishing lure. G. R. Churchill. 2,629,961, M
Fishing lure. W. W. Cogswell, Sr., and W. 2,632,277, Mar. 24.
Fishing lure. H. F. Grathwohl. 2,650,450,
Fishing lure. M. C. Kohler and W. H. Todd.
Fishing lure. H. Pokras. 2,625,767, Jan. 20.
Fishing lure. L. E. Pulver. 2,632,973, Mar.
Fishing lure. N. N. Solovioff. 2,636,316, Ap
Fishing lure. C. F. Weigandt. 2,661,564, De
Fishing lure. H. R. Wenger. 2,659,176, Nov Sept. 15.
Fishing lure, Artificial. C. M. Burns. 2,64 23.
Fishing lure carrier. N. R. Youker. 2,629,
Fishing line signal light. S. J. Hollingsworth. Oct. 13.
Fishing lure, Spinner. W. E. Hancock. 2,65 29.
Fishing lures, Making. D. D. Auldridge. 2,6 30.
Fishing net. J. R. Phaneuf. 2,653,404, Sept.
Fishing plug. L. Rosen. 2,663,965, Dec. 29.
Fishing plug and lure, also means and method Artificial. T. Pappas and J. A. Charette. May 26.
Fishing pole holder. W. P. Lohmar. 2,652,9

Fishing reel. L. Cowen and N. N. Solovioff. 2,641,419, June 9.
Fishing reel. H. W. Denison and L. E. Johnson. 2,644,647, July 7.
Fishing reel. K. B. Donnell. 2,647,341, Aug. 4.
Fishing reel. L. C. Dukes. 2,656,993, Oct. 27.
Fishing reel. C. I. Dunn. 2,634,920, Apr. 14.
Fishing reel. J. B. Duvall. 2,629,197, Feb. 24.
Fishing reel. M. W. Elliston. 2,637,418, May 5.
Fishing reel. A. Glaser. 2,650,040, Aug. 25.
Fishing reel. W. C. Hanse. 2,652,211, Sept. 15.
Fishing reel. R. P. Hoke and W. E. Brown. 2,659,545, Nov. 17.
Fishing reel. W. P. Kinsey. 2,641,417, June 9.
Fishing reel. J. B. Kirby. Aug. 11.
Fishing reel. G. F. Laing. 2,624,524, Jan. 6.
Fishing reel. M. E. Lee. 2,640,661, June 2.
Fishing reel. M. E. Lee. 2,662,699, Dec. 15.
Fishing reel. J. W. Miller. 2,641,418, June 9.
Fishing reel. A. E. Murvall. 2,652,991, Sept. 22.
Fishing reel. H. Phillips. 2,637,507, May 5.
Fishing reel. J. V. Schafer. 2,629,565, Feb. 24.
Fishing reel. C. D. Shelburne. 2,649,257, Aug. 18.
Fishing reel. C. D. Shelburne. 2,649,258, Aug. 18.
Fishing reel. R. E. Slater. 2,628,041, Feb. 10.
Fishing reel. W. E. Stanton. 2,643,829, June 30.
Fishing reel. J. F. Steinbaugh. 2,658,697, Nov. 10.
Fishing reel. R. F. Tibbetts. 2,627,383, Feb. 3.
Fishing reel. L. J. Uerling. 2,630,979, Mar. 10.
Fishing reel. E. E. Vincent. 2,632,608, Mar. 24.
Fishing reel. C. W. Wilson. 2,630,279, Mar. 3.
Fishing reel. E. L. Zientowski. 2,633,308, Mar. 31.
Fishing reel device. A. W. Sawitzke. 2,624,523, Jan. 6.
Fishing rod. K. E. Andersson. 2,647,001, July 28.
Fishing rod. R. L. Coles. 2,657,493, Nov. 3.
Fishing rod. M. J. Fletcher. 2,632,273, Mar. 24.
Fishing rod carrier for vehicles. W. H. Strickland. 2,631,765, Mar. 17.
Fishing rod handle. O. C. George. 2,646,641, July 28.
Fishing rod holder. G. D. Adams, Jr., and H. L. Humphries. 2,661,563, Dec. 8.
Fishing rod holder. O Cagnoli. 2,630,993, Mar. 10.
Fishing rod holder. H. H. Jasper. 2,658,650, Nov. 10.
Fishing rod holder. W. A. McKinney. 2,628,048, Feb. 10.
Fishing rod holder. T. C. Norman. 2,626,770, Jan. 27.
Fishing rod holder. E. Soenksen. 2,642,690, June 23.
Fishing rod mount and actuator. E. S. Skorr. 2,657,492, Nov. 3.
Fishing rod or pole holder. G. T. Diderrich. 2,628,795, Feb. 17.
Fishing rod stabilizer. G. W. and R. W. Grabiak. 2,653,406, Sept. 29.
Fishing rod support and signal. R. A. Nagle. 2,631,400, Mar. 17.
Fishing rod tip. C. E. Bahn. 2,652,654, Sept. 22.
Fishing rod with disappearing spike. A. H. Lawrenz. 2,628,445, Feb. 17.
Fishing shelter, Collapsible ice. C. S. Skogen. 2,632,454, Mar. 24.
Fishing signal. P. Guzy. 2,663,110, Dec. 22.
Fishing signal. J. J. Kniffer. 2,627,690, Feb. 10.
Fishing sinker, Adjustable weight. J. W. Greenleaf. 2,651,135, Sept. 8.
Fishing stand. L. A. Bintz. 2,650,052, Aug. 25.
Fishing tackle. R. W. Kritzer. 2,631,401, Mar. 17.
Fishing tackle. S. N. Polis. 2,655,756, Oct. 20.
Fishing tackle box. G. Heys. 2,629,644, Feb. 24.
Fishing tackle box. G. E. Moore. 2,641,520, June 9.
Fishing tackle retriever. M. Oyler. 2,662,328, Dec. 15.
Fishing tackle with retrieving means combined therewith. A. A. Stofleth. 2,645,051, July 14.
Fishing tip-up, Ice. R. E. Brockman. 2,651,875, Sept.15.
Fishing tip-up, Ice. A. F. Kachelski, F. W. Crinion, and G. J. Beers. 2,654,176, Oct. 6.
Fishing tool. C. P. Young. 2,635,914, Apr. 21.
Fishing tool for rock bits, Oil field. D. Story. 2,654,627, Oct. 6.
Fishing trolley with improved trolley frame. S. T. Greske. 2,639,535, May 26.
Fishing vessel. E. W. Key. 2,651,874, Sept. 15.
Fishing winch, Removable drum. F. W. Rowe. 2,645,455, July 14.
Fissured tile composed of glass fibers, gypsum cement, and amine-aldehyde resin, and making same. M. C. Armstrong. 2,664,406, Dec. 29.
Fitting for connecting pipes. A. A. Pollia. 2,634,140, Apr. 7.
Fitting for electrical conduits. E. Schneiderman. 2,640,619, June 2.
Fitting for flexible fuel cells. M. F. Millard. 2,640,493, June 2.
Fitting for flush tanks. H. E. Salzman. 2,651,050, Sept 8.
Fitting hearing aids. R. O. L. Curry. 2,625,233, Jan. 13.
5-alkoxymethylene rhodanines. W. J. Croxall and C. Lo. 2,658,890, Nov. 10.
5 and 10 drum flush unit. R. L. Kaye. 2,650,601, Sept. 1.
5-aralkylamino-9-dialkylaminobenzo[a] phenoxazine compounds and preparing same. M. L. Crossley and P. F. Dreisbach. 2,647,895, Aug. 4.
5-benzyl-2,4-diaminopyrimidines, Preparation of. G. H. Hitchings and E. A. Falco. 2,624,732, Jan. 6.
5-benzyl-2,4-diamino-6-alkylpyrimidines and making the same. G. H. Hitchings and E. A. Falco. 2,628,236, Feb. 10.
5,8 dialkoxy tetralone-2, Preparing. C. Grob. 2,632,025, Mar. 17.
5-formamido-6-amino uracils, Making. O. J. Weinkauff. 2,655,501, Oct. 13.
5-hydroxy-4 : 7-phenanthrolines and the preparation thereof. J. Druey and P. Schmidt. 2,640,830, June 2.
5-N-butoxy-1-hexyl adipate and making the same. W. S. Emerson and R. I. Longley, Jr. 2,624,753, Jan. 6.
5-nitro-2-thiophenecarboxaldehyde oxime. E. C. Hermann. 2,649,461, Aug. 18.
5 - nitro - 2 - thiophenecarboxamides. T. A. Williamson. 2,647,120, July 28.
5-phenylpyrimidine derivatives. G. H. Hitchings and P. B. Russell. 2,624,731, Jan. 6.
Five-roll double-draft frame. J. D. Friday and W. F. Stillwell. 2,644,201, July 7.
Fixed bed catalyst draw-off method and apparatus. E. H. Atwood and E. D. Keiper, Jr. 2,635,071, Apr. 14.
Fixing lithographic diazotype printing foils which have been exposed to light. W. Neugebauer and J. Barthenheier. 2,626,866, Jan. 27.
Fixture assembly. J. M. Carpenter. 2,624,107, Jan. 6.
Fixture casing. Y. Sherwood. 2,658,201, Nov. 10.
Fixture for annular fluorescent lamps. L. J. Segil. 2,656,453, Oct. 20.
Fixture for cutting circular pieces. E. G. Anderson. 2,653,633, Sept. 29.
Fixture for generating involutes. J. Silvagi. 2,653,426, Sept. 29.
Fixture for grinding thread cutting tools and the like. T. Penkoff and L. Egoroff. 2,626,491, Jan. 27.
Fixture for skinning insulation from electrical conductors. E. S. Geary and G. W. Soderman. 2,645,958, July 21.
Fixture for spherical members. W. T. Grove. 2,643,557, June 30.
Fixture for testing card potentiometers. V. Ducasse. 2,641,631, June 9.
Flag and banner standard, Unitary. H. J. Francis. 2,655,126, Oct. 13.
Flag holder. C. N. Anderson. 2,646,240, July 21.
Flagpole ornament. J. K. Granacher. 2,662,324, Dec. 15.
Flag raising and lowering device. J. Mader. 2,630,779, Mar. 10.
Flake removal for solvent extraction towers. C. B. Upton. 2,641,536, June 9.
Flake sulfur, Method of and apparatus for making. E. B. Miller. 2,629,895, Mar. 3.
Flaking wax. C. L. Hall. 2,654,125, Oct. 6.
Flame and radiation resistant container. J. E. Tripp. 2,655,882, Oct. 20.
Flame arrester. W. A. Lebus. 2,639,705, May 26.
Flame detection apparatus. E. Jellinek. 2,632,102, Mar. 17.
Flame detector. J. A. Deubel. 2,660,645, Nov. 24.
Flame finishing of granite surfaces. R. B. Aitchison, H. L. Hicks, and J. R. Craig. 2,655,909, Oct. 20.
Flame hardening apparatus. C. R. Derhammer. 2,629,589, Feb. 24.
Flame hardening apparatus. M. R. Nelson and R. S. Sheehan. 2,636,725, Apr. 28.
Flame holder and fuel distributing mechanism for ram-jet engines. M. Bolanovich. 2,659,195, Nov. 17.
Flame holder and fuel nozzle supporting mechanism for ram jet engines. E. P. Neikirk and J. Izo, Jr. 2,625,788, Jan. 20.
Flameholder and turning vane, Combined. J. Chamberlain. 2,660,859, Dec. 1.
Flame process. J. J. Murphy, J. M. Gaines, and E. L. McCandless. 2,633,332, Mar. 31.
Flameproofed article and making same. G. E. Walter, I. Hornstein, and C. A. Sheld. 2,660,542, Nov. 24.
Flame-proofing cellulosic wallboard and article produced thereby. H. C. O'Brien, Jr. 2,648,615, Aug. 11.
Flameproofing method and product. L. P. Seyb and C. A. Neros. 2,640,000, May 26.
Flameproofing polymers. G. E. Walter, I. Hornstein, and C. A. Sheld. 2,660,543, Nov. 24.
Flameproofing process. W. D. Paist and N. Van Gorder. 2,662,834, Dec. 15.
Flame-resistant compositions comprising a transparent resin, chlorinated paraffin wax, and triphenyl stibine. R. S. Cooper. 2,664,411, Dec. 29.
Flame spraying polyethylene and other plastics, Method of and apparatus for. J. B. Powers and R. E. Bludeau. 2,643,955, June 30.
Flame thrower, Portable. E. C. Skousgaard. 2,631,581, Mar. 17.
Flame tube having telescoping walls with fluted ends to admit air. D. McCarthy and A. D. F. Smith. 2,625,792, Jan. 20.
Flammability tester. J. R. Biegen. 2,636,388, Apr. 28.
Flange connecting means. A. W. Gardes. 2,663,586, Dec. 22.
Flange tensioning and joining device for strap ends. W. A. Meighan and T. L. Hume. 2,642,639, June 23.
Flange-type safety wheel. W. F. Woolery. 2,650,854, Sept. 1.
Flanged nut. P. D. Becker. 2,632,355, Mar. 24.
Flanged pipe joint. J. P. Magos, E. G. Schmidt, and E. P. De Craene. 2,646,997, July 28.

Flanged rubber joint. L. F. Thiry. 2,661,969, Dec. 8.
Flanging machine. D. F. Sawyer. 2,633,891, Apr. 7.
Flap folding means. N. André. 2,647,447, Aug. 4.
Flap for garment bags, Self-opening. S. H. Marks. 2,633,235, Mar. 31.
Flare composition. H. C. Clauser and R. S. Long. 2,651,567, Sept. 8.
Flare drill. W. E. Coyle. 2,634,957, Apr. 14.
Flare plane. R. L. Denny. 2,636,697, Apr. 28.
Flareless rigid tube end fitting. R. R. La Marre. 2,641,487, June 9.
Flare stack, pilot burner, and pilot igniter. O. L. Clevenger, W. A. McElhannon, and W. W. Jones. 2,661,798, Dec. 8.
Flaring tool. G. W. Wolcott. 2,662,575, Dec. 15.
Flash arrester for draft intake of furnace fireboxes. W. O. Moran. 2,664,081, Dec. 29.
Flashback prevention in gas burners. A. J. Lampert. 2,646,789, July 28.
Flash device, Electronic. H. L. Parker. 2,655,618, Oct. 13.
Flashlamp. J. A. M. Van Liempt. 2,637,185, May 5.
Flashlight and emergency light, Combined. W. Brunnhoelzl. 2,647,254, July 28.
Flashlight and mirror support, Combined. A. A. Wilson. 2,652,479, Sept. 15.
Flashlight attachment, Writing implement. C. R. Hettrick. 2,663,791, Dec. 22.
Flashlight, Explosive. G. H. Messerly and A. W. Campbell. 2,653,073, Sept. 22.
Flashlight, gun, and billy, Combination. V. B. O'Brien and E. B. Robertson. 2,625,764, Jan. 20.
Flashlight having a central adjustable lamp carrier. G. R. Frohlich. 2,629,045, Feb. 17.
Flashlight having a sealed flexible casing. R. G. Akerley. 2,632,094, Mar. 17.
Flashlight lamp. P. Saraber. 2,662,968, Dec. 15.
Flashlight, Multicolored electric. H. B. Mitchell. 2,662,224, Dec. 8.
Flashlight, Portable rechargeable. R. S. Coolidge, H. W. Keely, R. S. Smith, and T. N. Anderson. 2,642,520, June 16.
Flashlight, Table signaling. G. B. Edwards, Jr. 2,638,583, May 12.
Flashlight with storage battery and rectifier, Portable. W. A. Werner. 2,628,339, Feb. 10.
Flash point apparatus. R. Matteson. 2,627,745, Feb. 10.
Flash spotter, Automatic. A. H. Canada. 2,641,156, June 9.
Flash unit for starters' guns. W. E. Kroeger. 2,646,560, July 21.
Flash welder control, Hydraulic. K. A. Doutt. 2,640,134, May 26.
Flash welder with variable secondary impedance. J. H. Cooper. 2,636,965, Apr. 28.
Flasher. R. S. Perry. 2,644,899, July 7.
Flashing construction. A. B. Hammitt and H. L. Birum, Jr. 2,664,177, Dec. 29.
Flashing for corrugated buildings. O. A. Howe. 2,641,340, June 9.
Flashing illuminated sign. W. F. O'Gorman. 2,645,047, July 14.
Flashing unit assembly for photographic exposure equipment. I. Jacobson, C. F. Brundage, and M. B. Moore. 2,661,671, Dec. 8.
Flask, Foundry. A. J. Klimek. 2,624,926, Jan. 13.
Flask hoist for foundry molding machines. S. J. Gedris. 2,627,335, Feb. 3.
Flask, Vacuum. M. A. Hassid and E. Venis. 2,632,576, Mar. 24.
Flat bearing means. A. Pitner. 2,651,552, Sept. 8.
Flatiron. Alternating current-direct current. M. H. Graham. 2,636,972, Apr. 28.
Flatiron, Electric. C. Anderson and G. Adamec. 2,639,520, May 26.
Flatiron for domestic household use, Steam electric. J. O. Thibault. 2,653,398, Sept. 29.
Flatiron pressing stocking. H. Weldon. 2,659,167, Nov. 17.
Flatiron rest and cord control, Universal combination collapsible. J. A. Wersching. 2,647,713, Aug. 4.
Flatiron, Steam. J. Youhouse. 2,652,645, Sept. 22.
Flatiron supporting mechanism, Retractable. G. Browning. 2,637,127, May 5.
Flat knitting machine. E. S. Barsby and A. P. Saunders. 2,656,694, Oct. 27.
Flat tire signal. R. B. Anderson. 2,659,781, Nov. 17.
Flat top conveyer chain. W. D. Cheesman. 2,660,292, Nov. 24.
Flatware package. T. W. Foster. 2,652,921, Sept. 22.
Flat wire tying machine. E. Roe. 2,654,403, Oct. 6.
Flavoring composition. J. W. Evans. 2,641,547, June 9.
Flavoring device. J. L. Risco. 2,652,765, Sept. 22.
Flavoring meat products. L. C. Parker. 2,641,544, June 9.
Flaw detector for wire mesh looms. N. W. Fisher. 2,639,735, May 26.
Flexible abrasive wheel. G. O. Leggett. 2,651,894, Sept. 15.
Flexible and overload releasable drive mechanism between drawbar connected vehicles. C. M. Yergens. 2,626,000, Jan. 20.
Flexible band turning tool. W. W. Johnson. Oct. 27.
Flexible belt connector. G. F. H. von Stroh Clarke, Jr. 2,633,614, Apr. 7.
Flexible conduit cutter. L. F. Mallasch. 2,63 12.
Flexible-conduit cutting tool. F. V. Schleimer. Oct. 13.
Flexible container. M. M. Barton. 2,626,647,
Flexible container. K. L. Treiber. 2,633,172
Flexible coupling. C. L. Denault. 2,632,317.
Flexible coupling. C. E. Forsythe. 2,626,511,
Flexible coupling. W. E. Naugler. 2,630,692,
Flexible coupling. E. F. Riopelle. 2,659,218,
Flexible coupling. K. Schlotmann. 2,648,958.
Flexible edge seat. C. A. Karg. 2,633,184, Ma
Flexible elongated member tensioning devic Uhlig. 2,650,779, Sept. 1.
Flexible floor covering. I. I. Bezman. 2,624,6
Flexible form for integral concrete curbs and g S. Wolf and C. J. Zigan. 2,626,444, Jan. 27.
Flexible gate valve. F. C. Fantz. 2,656,143, O
Flexible harrow hitch. G. E. Garey. 2,656,66
Flexible hose coupling. W. A. Melsom. 2,638,3
Flexible joint for tubes. W. G. Hubbell. 2,65 27.
Flexible piston ring. H. F. Prasse. 2,645,536,
Flexible power transmission coupling. Z. 2,655,013, Oct. 13.
Flexible seam testing device. H. A. Buehner. Nov. 24.
Flexible shaft. H. E. McCrery. 2,655,012, Oct
Flexible shaft coupling. R. Iredell, Jr. 2,63 12.
Flexible shaft coupling. E. P. Neher. 2,655,79
Flexible shaft coupling. E. C. Wahlberg. Oct. 6.
Flexible shoelace fastener. N. W. Price. 2,63 28.
Flexible sleeve iris valve. W. Douglass and 2,663,467, Dec. 22.
Flexible splined connection. T. R. Smith. 2,62 13.
Flexible strut. M. R. Wolfard. 2,634,122, Ap
Flexible thermoplastic fastener. R. W. Beaver Sweeny. 2,656,541, Oct. 27.
Flexible toggle seal. H. G. Beck. 2,625,715,
Flexible ventilated coupling. R. O. Jessup. Feb. 17.
Flexible windshield mounting. H. G. Beck. Jan. 20.
Flexure-sensitive electromechanical transduc H. C. Page. 2,624,853, Jan. 6.
Flight and bank level indicator. L. B. Ries. Nov. 24.
Flight control apparatus. O. E. Esval. 2,627,
Flight control apparatus. R. J. Kutzler. Mar. 31.
Flight control system. J. M. Slater and W 2,649,264, Aug. 18.
Flight controller for automatic pilots. F. H. 2,633,315, Mar. 31.
Flight instrument. P. H. Gordon. 2,660,977,
Flight member and mounting therefor. R. B 2,649,954, Aug. 25.
Flight position locator. M. R. Hart and 2,641,843, June 16.
Flight test head. D. B. Ince, Jr. and D. 2,662,402, Dec. 15.
Flight training apparatus. C. W. Soulé. 2,66 15.
Flint dispenser. W. R. Avis. 2,645,335, July
Flip-flop circuit. J. P. Eckert, Jr., and H. 2,629,825, Feb. 24.
Float balance. S. Ouaida. 2,634,120, Apr. 7.
Float control means for washing machines. T 2,633,144–5, Mar. 31.
Float-controlled valve. A. J. Lippold. 2,646,81
Float mechanism for controlling flush tank va Winger. 2,642,081, June 16.
Float removal device for rotatable type heavy- rators. S. A. Falconer. 2,624,461, Jan. 6.
Float switch. R. J. Cochrane. 2,663,772, Dec
Float valve. C. E. Kerr. 2,632,464, Mar. 24.
Float valve. B. Wagner. 2,638,111, May 12.
Floating chuck. E. P. Bullard, III, and A. A. 2,657,064, Oct. 27.
Floating connection. B. H. Leonard, Jr. May 19.
Floating gear pump. R. Q. Armington and W. 2,626,570, Jan. 27.
Floating inner pan for refrigerator cabinet do Palmer. 2,629,141, Feb. 24.
Floating inner sole binding gauge. W. 2,651,793, Sept. 15.
Floating roof. F. D. Moyer. 2,648,457, Aug.
Floating roof. R. C. Ulm. 2,650,738, Sept. 1.
Floating roof for liquid storage tanks. C 2,635,782, Apr. 21.
Floating roof for tanks. A. Cibulka. 2,647,6
Floating storage tank. I. W. Alcorn. 2,655,8
Floating telescopic piling template. I. W. D. F. Dial, Jr. 2,651,181, Sept. 8.

Floating thickener. P. A. Curtis. 2,627,978, Feb. 10.
Floating type roller bearing. A. L. Bergstrom. 2,664,325, Dec. 29.
Flotation apparatus. S. G. Nordstrand. 2,645,350, July 14.
Flotation apparatus. A. Zarn. 2,648,432, Aug. 11.
Flotation equipment. L. P. Biefeld. 2,660,736, Dec. 1.
Flotation machine. R. Carbonnier. 2,626,052, Jan. 20.
Flotation machine. H. Frost, Jr. 2,646,882, July 28.
Flotation machine, Dual aerating. A. C. Daman. 2,651,413, Sept. 8.
Flotation of guanidine salts. K. K. Kurtz and R. B. Booth. 2,629,492, Feb. 24.
Flotation of mica with sulfonates. E. W. Gieseke. 2,643,770, June 30.
Flotation of ores. R. B. Booth and J. V. Hill. 2,628,717, Feb. 17.
Flotation of pyrites from a pyrite ore pulp. A. E. Anderson. 2,636,604, Apr. 28.
Flotation of uranium. P. L. Veltman. 2,647,629, Aug. 4.
Flotation process. W. H. Hill. 2,628,716, Feb. 17.
Flotation recovery of molybdenite. L. M. Barker and O. E. Young. 2,664,199, Dec. 29.
Flocked designs, Producing. E. C. Summers. Re. 23,741, Nov. 17.
Flocked designs, Producing. E. C. Summers. 2,636,837, Apr. 28.
Flocking machine. E. A. Abeles. 2,655,895, Oct. 20.
Floodlight having sealed beam lamps focused to form a specific light pattern. H. E. Rutledge. 2,645,705, July 14.
Floor and threshold plate structure for railway cars, Adjacent. E. G. Doke. 2,651,819, Sept. 15.
Floor beam, Prestressed reinforced concrete. J. C. H. Lachaise. 2,631,450, Mar. 17.
Floor clip. J. A. MacLean, Jr., and V. C. Stimpel. 2,634,833, Apr. 14.
Floor covering. M. B. T. Moore. 2,659,687, Nov. 17.
Floor covering and felt base material. E. B. McBride. 2,638,638, May 19.
Floor covering and making same, Inlaid. H. S. Humphreys. 2,636,542, Apr. 28.
Floor covering and method and apparatus for producing the same, Nonwoven soft-surface. C. R. Johnson. 2,638,959, May 19.
Floor covering and producing the same, Nonwoven soft-surface. H. A. Reinhardt. 2,639,250, May 19.
Floor drying apparatus containing baffle structure for separation of entrained liquid. W. J. Belknap. 2,635,278, Apr. 21.
Floor for poultry houses, Auxiliary. W. T. and R. A. Seidel. 2,641,224, June 9.
Floor furnace valve. E. H. Ryon. 2,655,177, Oct. 13.
Floor laying tool. A. C. Leslie. 2,654,408, Oct. 6.
Floor mat, Mechanical. R. H. Ryzenga. 2,647,271, Aug. 4.
Floor molding and electric conduit structure, Combination. C. Kutcka. 2,647,242, July 28.
Floor outlet with switch interlock. E. B. Clark. 2,650,331, Aug. 25.
Floor protecting plate. K. E. Zeidler. 2,645,167, July 14.
Floor rack for refrigerator cars. W. H. Keleher. 2,625,889, Jan. 20.
Floor, Sectional insulated. A. Dietrich. 2,663,915, Dec. 29.
Floor treatment implement with vacuum cleaning mechanism. L. A. Percy. 2,663,893, Dec. 29.
Flooring. H. G. Macdonald. 2,653,358, Sept. 29.
Flooring device. B. T. Fudge. 2,636,716, Apr. 28.
Flooring element. R. W. Storm. 2,634,464, Apr. 14.
Floral display attachment for vehicles. J. V. Morris. 2,657,087, Oct. 27.
Floral display, Immersed. C. E. Bussert. Re. 23,625, Mar. 10.
Flour mill with centrifugally controlled feeding means, Attrition-type. R. Lee. 2,627,376, Feb. 3.
Flow adjusting means for fertilizer distributors. C. M. Gladis. 2,639,061, May 19.
Flow apron for threshers. A. Dion. 2,646,802, July 28.
Flow arrangement for multipass heaters. J. W. Throckmorton. 2,640,687, June 2.
Flow-brightening tinplate. E. J. Smith. 2,661,328, Dec. 1.
Flow choke. M. A. Robertson and J. C. Sanders. 2,625,179, Jan. 13.
Flow control and shutoff valve for pilot burners. D. F. Drow. 2,657,006, Oct. 27.
Flow control apparatus. J. E. Comeau. 2,662,547, Dec. 15.
Flow control apparatus. T. C. Noon and F. C. Bayer. 2,661,756, Dec. 8.
Flow control apparatus. D. M. Vesper and H. L. Edwards. 2,664,190, Dec. 29.
Flow control apparatus for bulk products. R. B. Dodds. 2,652,984, Sept. 22.
Flow control device. F. J. Cantalupo, E. P. De Craene, E. G. Schmidt, C. W. Yant, and R. P. Setka. 2,642,896, June 23.
Flow control in bubble towers, Means for. I. E. Nutter. 2,658,737, Nov. 10.
Flow control system. S. L. Adelson. 2,627,280, Feb. 3.
Flow-control system for rotary-vane compressors for conditioning air. B. S. Massey, N. R. L. Quinn, J. R. Allen, and S. C. Warner. 2,632,307, Mar. 24.
Flow control valve. C. E. Adams. 2,646,078, July 21.
Flow control valve. A. C. Anderson. 2,656,846, Oct. 27.
Flow control valve. W. F. Berck. 2,647,531, Aug. 4.
Flow control valve. L. H. Gardner. 2,634,947, Apr. 14.
Flow control valve. H. Kirkham. 2,642,088, June 16.
Flow control valve. R. E. Moore. 2,642,260, June 16.
Flow control valve. T. R. Smith. 2,644,476, July 7.
Flow controller. H. Allen. 2,629,403, Feb. 24.
Flow controller. C. B. Moore. 2,627,281, Feb. 3.
Flow controller for granular solids. W. R. King. 2,650,693, Sept. 1.
Flow controlling apparatus. T. C. Noon. 2,662,541, Dec. 15.
Flow controlling apparatus. T. C. Noon. 2,664,110, Dec. 29.
Flow controlling device. J. S. Page. 2,625,172, Jan. 13.
Flow directing baffle for reducing the turbulence of flow of fluid entering a space from a circuit. A. C. Smith, Jr. 2,636,512, Apr. 28.
Flow distributor. C. O. Weisenbach. 2,657,702, Nov. 3.
Flow diversion valve. A. W. Griswold. 2,631,001, Mar. 10.
Flow divider device. C. H. Stockdale and D. Johnson. 2,654,384, Oct. 6.
Flow dividing valve. W. P. Willett. 2,643,664, June 30.
Flow equalizer valve. C. E. Deardorff. 2,628,629, Feb. 17.
Flow guiding device. H. C. Otis. 2,649,914, Aug. 25.
Flow indicator for hose. R. R. Turner. 2,662,502, Dec. 15.
Flow measuring device. R. A. Ackley. 2,660,057, Nov. 24.
Flow measuring device for pipe line systems. H. W. Hein. 2,625,041, Jan. 13.
Flowmeter. E. R. Atkins, Jr. 2,637,206, May 5.
Flowmeter. W. M. Drake, Jr. 2,648,981, Aug. 18.
Flowmeter. W. J. Jacobsson. 2,655,041, Oct. 13.
Flowmeter. J. M. Pearson. 2,624,198, Jan. 6.
Flowmeter. J. H. Pfau. 2,654,246, Oct. 6.
Flowmeter. E. D. Smyser. 2,636,479, Apr. 28.
Flowmeter, Borehole. J. M. Pearson. 2,651,370, Sept. 8.
Flowmeter, Fluid. M. H. Boyer. 2,624,199, Jan. 6.
Flowmeter for gases. J. S. Senesky. 2,645,124, July 14.
Flowmeter for oxygen tanks. R. C. Webster. 2,637,997, May 12.
Flowmeter, Gasoline. A. E. Hill. 2,654,245, Oct. 6.
Flowmeter, Ionization type gas. A. A. Obermaier. 2,627,543, Feb. 3.
Flowmeter, Magnetic. D. R. de Boisblanc. 2,637,207, May 5.
Flowmeter, Oil well. C. R. Dale. 2,649,710, Aug. 25.
Flowmeter, Oil well. C. R. Dale. 2,649,712, Aug. 25.
Flowmeter, Thermal. C. M. Hathaway. 2,647,401, Aug. 4.
Flowmeter, Thermal. F. L. McMillan and B. F. Wiley. 2,652,721, Sept. 22.
Flowmeter, Vane type. A. A. Zuehlke. 2,632,329, Mar. 24.
Flowmeter, Variable orifice. J. F. Shannon. 2,640,356, June 2.
Flowmeter with heated resistance bridge circuit, Fluid. W. G. Middleton and K. R. More. 2,650,496, Sept. 1.
Flow metering device. C. J. Coberly. 2,658,522, Nov. 10.
Flow regulating device. E. W. Bagnell. 2,655,217, Oct. 13.
Flow regulator. C. R. Huston. 2,657,712, Nov. 3.
Flow regulator. L. J. Smith. 2,639,883, May 26.
Flow responsive pressure regulator. T. N. Spencer. 2,627,703, Feb. 10.
Flow stabilizing device for gun-type oil burners. D. L. Getz and R. O. Hedges. 2,632,499–500, Mar. 24.
Flow stop, Variable minimum. D. R. Pearl. 2,642,718, June 23.
Flow stoppage detector for fuel supply lines. G. P. Jackson. 2,654,879, Oct. 6.
Flow switch. E. J. Dillman. 2,628,296, Feb. 10.
Flow valve. W. F. Grisham. Re. 23,710, Sept. 8.
Flow valve for fluid lift pumps. W. L. Church. 2,624,362, Jan. 6.
Flowing unit for oil well controllers. P. L. McLean. 2,644,531, July 7.
Flower arrangement, Illuminated. A. R. Windiate. 2,631,409, Mar. 17.
Flower, Artificial. H. B. and O. Holmes. 2,631,396, Mar. 17.
Flower box. W. R. Bruch. 2,648,164, Aug. 11.
Flower-plate for lubricant containers and the like. E. P. Sundholm. 2,660,491, Nov. 24.
Flowerpot. F. Luipersbek. 2,638,716, May 19.
Flowerpot, Self-watering. J. Dodds. 2,629,204, Feb. 24.
Flower shipping case. M. U. Morris. 2,661,144, Dec. 1.
Flue boiler with baffle structure in flue, Horizontal. G. H. Brace. 2,649,844, Aug. 25.
Flue construction, Water heater. A. W. Carlson. 2,650,575, Sept. 1.
Flue damper latch. W. C. Simpson. 2,654,363, Oct. 6.
Flue for deep-frying equipment. H. L. Hudson. 2,641,331, June 9.
Flue section for providing balanced draft. E. J. Artis. 2,660,162, Nov. 24.
Flue-unblocking and safety system for incinerators. J. K. Blum. 2,640,447, June 2.
Fluent material concentrator. E. A. Koth. 2,661,095, Dec. 1.

Fluent material distributor. C. W. Loy and M. H. Mullis. 2,655,406, Oct. 13.
Fluid actuated governor control. W. J. Whitehead and G. E. Parker. 2,647,493, Aug. 4.
Fluid actuated snap-acting gate valve. J. E. Elkington. 2,646,075, July 21.
Fluid actuated valve. W. R. Walker. 2,638,927, May 19.
Fluid and spring operated clutch. F. E. Munschauer. 2,639,014, May 19.
Fluid apparatus. G. B. Linderman. 2,642,807, June 23.
Fluid applicator, including movable wick and roller. J. H. Morrow and S. J. Fenyvessy. 2,625,701, Jan. 20.
Fluid bearing. P. Gérard and H. Séranne. 2,660,484, Nov. 24.
Fluid bleeding apparatus. F. J. Schiemann. 2,644,548, July 7.
Fluid circulating arrangement for hydraulic pressure systems. E. H. Schanzlin. 2,655,111, Oct. 13.
Fluid circulation control for fluid couplings. J. E. Becker. 2,644,304, July 7.
Fluid circulation head for drill strings. D. B. Grable. 2,657,016, Oct. 27.
Fluid cleaning apparatus. H. E. Thornhill. 2,658,622–3, Nov. 10.
Fluid clutch. L. F. Knight. 2,660,279, Nov. 24.
Fluid clutch with slidable bearing. T. L. Fawick. 2,625,280, Jan. 13.
Fluid conducting means for the shovel centering means of shovel loaders. L. A. Currier and F. B. Engel. 2,626,031, Jan. 20.
Fluid contacting apparatus. F. T. Barr. 2,629,653, Feb. 24.
Fluid container. H. M. Archer. 2,661,743, Dec. 8.
Fluid control apparatus. J. H. McGinn. 2,657,707, Nov. 3.
Fluid control device. A. Latour. 2,661,022, Dec. 1.
Fluid control for rotary turbine type hydraulic torque converters. O. K. Kelley. 2,638,746, May 19.
Fluid control means. P. E. Geldhof and L. Ringer. 2,642,085, June 16.
Fluid control means for toilet flush tanks, Compressible. F. E. Wilt. 2,640,995, June 9.
Fluid control system. H. Gold and D. M. Straight. 2,643,663, June 30.
Fluid control system and valve. W. R. Moore, Jr. 2,653,580, Sept. 29.
Fluid control valve. E. E. Hupp. 2,657,701, Nov. 3.
Fluid control valve. L. M. Persons. 2,635,638, Apr. 21.
Fluid controlled transmission. V. F. Stewart. 2,637,219, May 5.
Fluid cooled furnace. C. L. Marquez, Jr. and E. A. Kazmierski. 2,637,306, May 5.
Fluid cooled, refractory, ceramic lined rocket structure. K. C. Nicholson. 2,658,332, Nov. 10.
Fluid-counterbalanced force measuring device. A. A. Markson. 2,662,539, Dec. 15.
Fluid coupling. L. Charlson. 2,625,168, Jan. 13.
Fluid coupling. W. F. Mitchell. 2,638,915, May 19.
Fluid coupling clutch. A. L. Koup and A. A. Wagner. 2,644,535, July 7.
Fluid coupling rotor elements, Making. O. M. Koskinen. 2,660,970, Dec. 1.
Fluid coupling with relatively axially movable vane members. W. G. Raney. 2,624,175, Jan. 6.
Fluid current comminutor with cylindrical abutment impact target. F. S. Smith. 2,624,517, Jan. 6.
Fluid discharge device, Intermittent. G. M. Peltz and H. Bovin. 2,653,625, Sept. 29.
Fluid displacement device. G. A. Wahlmark. 2,658,456, Nov. 10.
Fluid distributing apparatus. L. Lee, II. 2,638,812, May 19.
Fluid distribution system, Motor-driven. G. A. Wahlmark. 2,654,323, Oct. 6.
Fluid distributing valve. C. Johnson. 2,630,135, Mar. 3.
Fluid drive and controls. O. K. Kelley. 2,625,056, Jan. 13.
Fluid drive mechanism, Variable. V. O. Hartz. 2,638,054, May 12.
Fluid energy transmission, conversion, and storage system and power cycle therefor. H. C. Noe. 2,632,995, Mar. 31.
Fluid feeding apparatus. A. E. McFarland. 2,633,082, Mar. 31.
Fluid filter. G. T. Downey, S. N. Rosengren, and R. E. Forrester. 2,638,228, May 12.
Fluid filter. G. W. Mork, J. E. Marson, and T. G. Paulsen. 2,660,317, Nov. 24.
Fluid flow control. J. J. Piros. 2,664,111, Dec. 29.
Fluid flow control apparatus. M. H. Grove and A. U. Bryant. 2,627,870, Feb. 10.
Fluid flow dual port control valve. S. F. Graziano. 2,662,722, Dec. 15.
Fluid flow indicator. B. Seid, B. B. Holmes, and J. L. Pauly. 2,650,561, Sept. 1.
Fluid flow regulator. R. A. McCallum. 2,644,482, July 7.
Fluid-flow regulator. M. C. Pease. 2,637,339, May 5.
Fluid flow restrictor. C. A. E. Hensley. 2,658,529, Nov. 10.
Fluid fuel burner. E. R. Clark. 2,632,501, Mar. 24.
Fluid fuel-fired heat radiation generator. F. M. Crossman 2,641,313, June 9.
Fluid heater. R. J. Horne. 2,651,294, Sept 8.
Fluid heater. L. J. McCarthy. 2,660,519, Nov
Fluid heater. E. J. Wasp and J. S. Wallis. Dec. 1.
Fluid heating apparatus. M. W. Barnes. Jan. 20.
Fluid heating apparatus. P. R. Grossman. Jan. 20.
Fluid heating apparatus. T. M. Lumly. Jan. 20.
Fluid impact pulverizer and separator. A. M 2,624,516, Jan. 6
Fluid impeller and self-sealing closure, Combin Mader. 2,656,971, Oct. 27.
Fluid leakage indicator. C. W. Cox, F. A. Don J. T. Frantz. 2,655,893, Oct. 20.
Fluid level indicator. L. H. Tapscott. 2,662 15.
Fluid measuring and dispensing apparatus. R bert. 2,654,506, Oct. 6.
Fluid medium operated time delay apparatu Grant, Jr. 2,663,153, Dec. 22.
Fluid meter. G. E. Batchelder. 2,630,101, Ma
Fluid meter. G. A. Waldie and R. M. Conklin. Feb. 17.
Fluid-metering shutoff valve. A. A. Meddock. Mar. 10.
Fluid mixing and separating apparatus. P. M 2,661,075, Dec. 1.
Fluid mixing and spraying. Method and appa R. J. Miller. 2,649,333, Aug. 18.
Fluid mixing chamber. J. O. Jarman. 2,647,7
Fluid mixing device. E. P. Aghnides. 2,664,27
Fluid motor. O. E. Dempsey. 2,631,572, Ma
Fluid motor. F. R. Emig. 2,638,877, May 19.
Fluid motor. P. H. Taylor. 2,648,949, Aug.
Fluid operated clutch. F. E. Munschauer. May 26.
Fluid operated control system. C. E. Webb. July 28.
Fluid operated friction clutch. R. S. Langdon. Oct. 27.
Fluid-operated liquid pump. E. C. Hall. 2,624,2
Fluid operated multiple disk clutch. W. 2,638,196, May 12.
Fluid-operated pump with single-acting direct booster pump. C. J. Coberly. 2,643,612, Jun
Fluid-operated rapid traverse mechanism fo strand material. R. F. Dyer. 2,646,228, July
Fluid operated servo mechanism. T. A. Harris. Nov. 10.
Fluid power drive and control unit. M. J. 2,644,561, July 7.
Fluid-powered engine. L. F. R. Bellows. June 9.
Fluid pressure actuated articulated boom. F. L 2,639,048, May 19.
Fluid pressure actuator and locking means the M. Geyer. 2,643,642, June 30.
Fluid pressure and screw operated couplir Welland. 2,629,474, Feb. 24.
Fluid pressure bearing. P. L. Gérard. 2,634,1
Fluid pressure control. J. F. Shannon. 2,637,3
Fluid pressure control apparatus. R. R. 2,642,969, June 23.
Fluid pressure control apparatus for free piston A. J. Bent. 2,661,020, Dec. 1.
Fluid pressure control apparatus for free p chines. R. T. Whitney. 2,642,717, June 2
Fluid pressure control device. A. S. Parks. May 12.
Fluid pressure control valve. G. P. Dorscheid. Dec. 22.
Fluid pressure control valve. V. L. Frantz. Oct. 20.
Fluid pressure controlled signal switch. W. 2,648,733, Aug. 11.
Fluid pressure engaged and released clutc Archambault. 2,658,596, Nov. 10.
Fluid pressure gauge. A. R. Moffett. 2,661,6
Fluid pressure impact device. W. U. Boedeker. Feb. 10.
Fluid pressure inflator. Automatic snap-actin Sturmer. 2,638,113, May 12.
Fluid pressure intensifier. T. G. Moore. 2,628 17.
Fluid pressure intensifying means. E. A. 2,646,665, July 28.
Fluid pressure mechanism for effecting step-by- tion of a member to be operated. G. O. 2,626,594, Jan. 27.
Fluid pressure motor. G. Alfieri. 2,661,726, Sept. 22.
Fluid pressure operated gun. E. R. Fitch.
Fluid pressure operated positioning apparatus valves. A. U. Bryant. 2,627,249, Feb. 3.
Fluid pressure operated rotary work or tool Di Palo. 2,655,383, Oct. 13.
Fluid pressure operated switch. W. H. Ruffle. July 7.
Fluid pressure operated switch. R. H. Tietjen. Oct. 20.

Fluid pressure-operated valve. D. G. Griswold. 2,661,023, Dec. 1.
Fluid pressure operator for roll-over scrapers. C. H. Brown. 2,648,921, Aug. 18.
Fluid pressure regulator. W. J. Jacobson. 2,662,348, Dec. 15.
Fluid pressure regulator. F. H. Mueller. 2,628,454, Feb. 17.
Fluid pressure regulator. F. Niesemann. 2,661,578, Dec. 8.
Fluid pressure regulator. A. S. Parks. 2,637,946, May 12.
Fluid pressure regulator structure. C. H. Welty and G. L. Hammon. 2,660,187, Nov. 24.
Fluid pressure relieving apparatus. J. L. Cloudsley. 2,640,564, June 2.
Fluid pressure responsive feed control valve. T. M. Lowe. 2,659,384, Nov. 17.
Fluid pressure sensitive switch. J. Schweiss. 2,662,946, Dec. 15
Fluid pressure servo mechanism. N. E. Starkey. 2,637,334, May 5.
Fluid pressure switch. A. N. Szwargulski and P. R. Larson. 2,655,573, Oct. 13.
Fluid pressure system. M. G. Carlson. 2,643,516, June 30.
Fluid pressure transmission, Automatic. W. T. Livermore. 2,633,035, Mar. 31.
Fluid pressure transmission, Automatic. W. T. Livermore. 2,636,585, Apr. 28.
Fluid pressure valve. H. Trevaskis. 2,633,152, Mar. 31.
Fluid pressure valve. H. W. Trevaskis. 2,647,535, Aug. 4.
Fluid proportioner. R. B. Pressler. 2,641,271, June 9.
Fluid proportioning and conditioning apparatus. L. H. and H. L. Thoresen. 2,637,310, May 5.
Fluid pump. P. M. W. Bruckmann. 2,651,264, Sept. 8.
Fluid pump. W. J. Marks. 2,648,288, Aug. 11.
Fluid pump. W. W. Paget. 2,660,365, Nov. 24.
Fluid pump. O. E. Rosaen. 2,653,551, Sept. 29.
Fluid reactor. R. L. Mayhew. 2,664,346, Dec. 29.
Fluid relay mechanism. G. E. Luppold, Jr., and J. F. Shannon. 2,658,516, Nov. 10.
Fluid return valve. M. F. Selwyn. 2,632,462, Mar. 24.
Fluid sampling apparatus. H. C. Grant, Jr. 2,644,934, July 7.
Fluid seal. U. M. W. Barske. 2,646,999, July 28.
Fluid seal. C. H. Berner. 2,647,773, Aug. 4.
Fluid seal. K. L. Diehl. 2,637,574, May 5.
Fluid seal. L. A. Johnson, F. A. Helfrecht, and H. T. Stewart. 2,626,169, Jan. 20.
Fluid seal. W. F. Mitchell. 2,661,967, Dec. 8.
Fluid seal. G. A. Wahlmark. 2,640,736, June 2.
Fluid seal. J. R. C. Waterston. 2,663,385, Dec. 22.
Fluid seal, Rotary. T. L. Fawick. 2,662,785, Dec. 15.
Fluid sealing device for electrical conductors. V. Ivanoff. 2,651,672, Sept. 8.
Fluid sealing gland. R. Cuny. 2,650,116, Aug. 25.
Fluid separating and preserving means for apparatus for cleaning vehicle radiators or the like. H. M. Dunn and D. Oles. 2,655,161, Oct. 13.
Fluid separator. J. H. Ammon. 2,654,351, Oct. 6.
Fluid servo apparatus. H. E. Karig. 2,635,581, Apr. 21.
Fluid shear type coupling. R. L. Sterner. 2,629,472, Feb. 24.
Fluid-shielded dynamoelectric device for immersed pumps and the like. R. F. and A. H. Pezzillo and G. C. Tatem. 2,649,048–9, Aug. 18.
Fluid shut-in valve. C. L. Huber and H. C. Skipper. 2,657,895, Nov. 3.
Fluid spring. I. D. Smith. 2,643,112, June 23.
Fluid stream and spray gun having a clean out pin. H. A. Roselund. 2,626,185, Jan. 20.
Fluid substance depositor for filling continuously moving receptacles. M. C. Jahn, W. E. Shapcott, and D. W. Smith. 2,663,478, Dec. 22.
Fluid supply connection for shovel centering means. R. C. Osgood and F. B. Engel. 2,625,281, Jan. 13.
Fluid supply system. J. J. Prendergast. 2,656,927, Oct. 27.
Fluid support. P. L. J. Gerard. 2,660,485, Nov. 24.
Fluid system damage control. H. T. Booth. 2,641,277, June 9.
Fluid system for hydraulic torque converters. W. P. Michell. 2,643,517, June 30.
Fluid-tight joint. M. W. Galliers. 2,656,200, Oct. 20.
Fluid tight rotary coupling. J. H. Wilson. 2,653,041, Sept. 22.
Fluid transfer device for rotary pump and turbine fluid couplings. J. E. Becker. 2,627,167, Feb. 3.
Fluid translating device. H. A. Andresen. 2,640,678, June 2.
Fluid transmission. R. T. Burnett. 2,657,592, Nov. 3.
Fluid transmission. W. E. Lewis. 2,627,954, Feb. 10.
Fluid transmission. M. and D. Stigers. 2,630,023, Mar. 3.
Fluid transmission, Hydraulic type. L. E. Hutchison. 2,645,900, July 21.
Fluid transmission, Rotary pump and motor. R. A. Pyle. 2,645,902, July 21.
Fluid treating apparatus for strands. P. D. Emerson. 2,664,009–10. Dec. 29.
Fluid treating tank for photographic developing. W. G. Blankenship, Jr., and G. S. McCloy. 2,663,236. Dec. 22.
Fluid-type shale retorting. L. A. Nicolai. 2,643,218, June 23.
Fluid valve. C. E. Earle and C. A. Covington. 2,644,480, July 7.
Fluid valve. W. F. Mitchell. 2,639,884, May 26.
Fluid velocity responsive regulating or indicating means. L. D. Kleiss. 2,628,499, Feb. 17.
Fluid vessel. M. Frisch. 2,647,656, Aug. 4.
Fluidized distillation of oil-shale. J. W. Carr, Jr., L. I. Griffin, Jr., and E. W. S. Nicholson. 2,643,219, June 23.
Fluidized fixed bed process. P. W. Cornell. 2,664,336–7, Dec. 29.
Fluidized iron oxide-natural gas process for manufacturing synthesis gas. B. J. Mayland. 2,628,161, Feb. 10.
Fluidized solids flow control system. H. M. Hart. 2,626,247, Jan. 20.
Fluidized solids reactor. P. W. Garbo. 2,655,437, Oct. 13.
Fluidized solids system. R. J. Hengstebeck. 2,658,822, Nov. 10.
Fluorene derivatives. J. F. Kerwin and G. E. Ullyot. 2,656,387, Oct. 20.
Fluorescent agents from diamino stilbene. W. E. Wallace and W. W. Williams. 2,658,064, Nov. 3.
Fluorescent alkoxy benzoyl derivatives of 4,4′ diamino stilbene-2,2′ disulfonic acid and detergent compositions containing same. L. N. Savidge and R. Thomas. 2,643,197, June 23.
Fluorescent compound and imparting fluorescent effects to materials. L. N. Savidge and R. Thomas. 2,643,198, June 23.
Fluorescent lamp holder. W. E. Barre, Jr. 2,656,521, Oct. 20.
Fluorescent light fixture for circular fluorescent lamps. W. H. Stoller. 2,626,346, Jan. 20.
Fluorescent printing. J. L. Switzer. 2,629,956, Mar. 3.
Fluorescent screen. C. W. Putnam. 2,660,686, Nov. 24.
Fluorescent screen. J. S. Smith. 2,648,013, Aug. 4.
Fluorescent screen, Producing a. C. W. Putnam. 2,660,539, Nov. 24.
Fluoride-containing impression materials. S. E. Noyes and E. H. Lochridge. 2,628,153, Feb. 10.
Fluoride-free uranium oxide, Production of. R. G. Sweet. 2,659,655, Nov. 17.
Fluoridic compounds of beryllium of high purity, Producing. C. W. Schwenzfeier, Jr., and C. S. Pomelee. 2,660,515, Nov. 24.
Fluorinated acrylates and polymers. A. H. Ahlbrecht, T. S. Reid, and D. R. Husted. 2,642,416, June 16.
Fluorination. E. T. McBee. 2,637,747. May 5.
Fluorination of chlorine containing derivatives of paraffin hydrocarbons. W. Kwasnik. 2,658,927, Nov. 10.
Fluorine cell. R. D. Fowler and W. B. Burford, III. 2,651,613, Sept. 8.
Fluorine chewing gum process. F. G. Merckel and L. Reiner. 2,627,493, Feb. 3.
Fluorine-containing lubricant. H. L. Coonradt, B. W. Rope, and A. N. Sachanen. 2,627,528, Feb. 3.
Fluorine-containing lubricant. H. L. Coonradt, B. W. Rope, and A. N. Sachanen. 2,628,196, Feb. 10.
Fluorine containing urea derivatives. V. V. Lindgren and J. T. Cassaday. 2,656,384, Oct. 20.
Fluoroaromatic isocyanates. J. H. Werntz. 2,625,561, Jan. 13.
Fluorocarbon acyl sulfuric acids. J. F. Dowdall. 2,628,253, Feb. 10.
Fluorocarbon-azomethines. W. H. Pearlson and L. J. Hals. 2,643,267. June 23.
Fluorocarbon chlorides and bromides by thermal chlorination and bromination of fluorocarbon hydrides, Making. J. H. Simons, T. J. Brice, and W. H. Pearlson. 2,658,928, Nov. 10.
Fluorocarbon compounds and preparation of same. J. E. Carnahan and H. J. Sampson. 2,646,449. July 21.
Fluorocarbons, Preparation of. R. D. Fowler. 2,631,170, Mar. 10.
Fluorohydrocarbon substituted silanols. C. F. Kohl, Jr. 2,640,063, May 26.
Fluoroolefins, Manufacture of. C. B. Miller. 2,628,989, Feb. 17.
Fluoromethanes, Preparation of. R. P. Ruh and R. A. Davis. 2,639,300, May 19.
Fluoro organic compounds, Manufacture of. C. B. Miller. 2,637,748, May 5.
Fluoroscoping and radiographing renal organs of the human body, Method of and apparatus for. A. Laur. 2,656,469, Oct. 20.
Flush control device for water tanks. J. S. Agnew. 2,655,665, Oct. 20.
Flush cylinder tubular night latch. A. Erkkila. 2,645,926, July 21.
Flush device, Automatic toilet. A. Stein. 2,628,363, Feb. 17.
Flush gun for automobile radiators. M. J. Graham. 2,639,908, May 26.
Flush latch. J. E. Hogan. 2,639,178, May 19.
Flush tank. C. H. de Witt. 2,629,878, Mar. 3.
Flush tank ball shaft, Flexible. E. D. Clifton, Sr. 2,625,691, Jan. 20.
Flush tank disinfectant dispenser. A. N. Vierra. 2,647,266, Aug. 4.
Flush tank lever attachment. J. Hochberger. 2,625,692, Jan. 20.
Flush tank valve. C. J. Dorff. 2,646,069, July 21.

Flush type door lock. A. L. Pelcin. 2,642,300, June 16.
Flush type outlet fixture. J. W. Wiesmann. 2,657,250, Oct. 27.
Flush valve. G. S. Arnold. 2,630,831, Mar. 10.
Flush valve. J. Birkmaier. 2,628,362, Feb. 17.
Flush valve. E. F. Bothe. 2,627,873, Feb. 10.
Flush valve. A. B. Boyd. 2,644,952, July 14.
Flushing device. R. J. Chapman. 2,644,950, July 14.
Flushing device. E. A. Ward. 2,644,472, July 7.
Flushing device for water closets. C. Griffon. 2,659,089, Nov. 17.
Flushing outboard motors, Means for. F. M. Houchin. 2,644,474, July 7.
Flushing the passageways of vehicle radiators and engines, Means and methods for. T. B. Tankersley. 2,632,719, Mar. 24
Flushing unit. H. B. Cates. 2,651,318, Sept. 8.
Flushing valve. U. Lautiainen. 2,661,021, Dec. 1.
Flux for hard soldering of tungsten. W. H. Hannahs. 2,658,013, Nov. 3.
Flux for treating aluminum and aluminum alloys. J. A. Davis and L. W. Eastwood. 2,654,670, Oct. 6.
Fluxmeter. W. H. Fenn. 2,632,796, Mar. 24.
Flux oil and revivifying asphalt roads therewith. F. S. Scott. 2,639,651, May 26.
Flux pot, Welder's. R. F. Mason. 2,641,382, June 9.
Fly ash feeder. T. Thorsten. 2,648,572, Aug. 11.
Fly-ash handling apparatus. L. Elliott. 2,627,827, Feb. 10.
Fly rod and reel case. E. C. Suring. 2,650,449, Sept. 1.
Fly rod bait. J. E. Ray. 2,633,660, Apr. 7.
Fly swatter. W. E. Atkinson. 2,624,149, Jan. 6.
Fly swatter, Novelty. C. Webbeking. 2,651,878, Sept. 15.
Fly tier's bobbin. R. P. Morgester. 2,639,548, Nov. 17.
Fly tier's bobbin holder. G. B. Richmond. 2,635,832, Apr. 21.
Flywheel construction, Fluid. W. B. Herndon, R. F. Beck, and W. L. Tuschak. 2,652,782, Sept. 22.
Flywheel magneto. G. E. Pinter. 2,652,504, Sept. 15.
Flywheel turning tool. W. G. De Kam. 2,658,417, Nov. 10.
Flying aid for piloted aircraft. S. Kellogg, 2d. 2,644,941, July 7.
Flying control for aircraft. F. H. Robertson. 2,658,701, Nov. 10.
Flying controls for aircraft. A. E. Swain and F. H. Robertson. 2,652,995, Sept. 22.
Flying ship. J. V. Martin. 2,656,136. Oct. 20.
Foam creating apparatus. R. E. Lee. 2,653,848, Sept. 29.
Foam forming device. N. Sandor. 2,659,582, Nov. 17.
Foam producing attachment. G. H. Palm. 2,651,546, Sept. 8.
Focusing aid for electron microscopes. R. S. Page. 2,661,427, Dec. 1.
Focusing apparatus for reflex photographic cameras. F. W. Scholkemeier. 2,642,790, June 23.
Focusing apparatus, Optical image. C. R. Croy. 2,638,815. May 19.
Focusing apparatus, Optical image. C. R. Croy. 2,652,748, Sept. 22.
Focusing charged particles, Method and apparatus for. J. G. Backus and B. Peters. 2,658,150, Nov. 3.
Focusing device for cathode-ray tubes, Magnetic. D. P. Ingle. 2,640,868, June 2.
Focusing device for electron microscopes. H. Bruck. 2,632,115, Mar. 17.
Focusing device for photographic diaphragms, Press. F. P. Willcox. 2,652,756, Sept. 22.
Focusing mechanism. J. H. Roe. 2,635,514, Apr. 21.
Focusing mechanism, Magnetic. S. L. Reiches and D. P. Ingle. 2,664,514. Dec. 29.
Focusing of electron optical apparatus. S. G. Ellis. 2,627,589. Feb. 3.
Focusing of radiations by means of sttationary reflector and refractor gratings, Method and device for. G. de Pillot de Coligny. 2,639,384, May 19.
Foil feeding device for stamping machines. P. J. Hahn, Sr. 2,634,973, Apr. 14.
Foil feeding device for stamping machines, Adjustable. P. J. Hahn, Sr. 2,634,533, Apr. 14.
Foil handling mechanism for stamping machines. L. A. Kingsley. 2,625,763, Jan. 20.
Foldable bed frame. J. Pillero. 2,651,787, Sept. 15.
Foldable cabinet. E. D. Backus and J. Siegel. 2,649,350, Aug. 18.
Foldable coat hanger. J. G. Albert. 2,663,470, Dec. 22.
Foldable closure. M. J. Planeaux. Re. 23,622, Feb. 24.
Foldable exercising and resting table. W. F. Courtney. 2,658,754, Nov. 10.
Foldable golf bag carrier. C. M. Rutledge and F. Alter. 2,658,771, Nov. 10.
Foldable hanger. B. Win and E. Lipiner. 2,654,484, Oct. 6.
Foldable lounge chair. F. M. Hill. 2,648,373, Aug. 11.
Foldable necktie rack. M. P. Boltauzer. 2,642,194, June 16.
Foldable ration heater. G. L. Anderson. 2,627,263, Feb. 3.
Foldable receptacle. F. G. and S. H. Dobbs. 2,625,975, Jan. 20.
Foldable reclining chair. A. Kirchofer. 2,654,4
Foldable sign carrier. G. H. Loock and R. E. 2,651,487, Sept. 8.
Foldable tie rack. M. B. Kendis. 2,632,571, N
Foldable vertically adjustable table. C. J. Ca F. M. Adamson. 2,624,469, Jan. 6.
Foldable wheel chair. M. A. Lerman. 2,641,3
Folded blank box. D. H. Shapiro. 2,637,483. M
Folder, Display. T. W. Foster. 2,638,693, Ma
Folder for blindstitch sewing machines. 2,646,759, July 28.
Folder, Pocketed file. A. W. Voss and R. M 2,633,848, Apr. 7.
Folder, Reinforced. P. Zalkind. 2,631,589, Ma
Folding and creasing device. F. J. Reynolds. Dec. 8.
Folding and stacking machine. V. V. Wood Bigué. 2,645,476, July 14.
Folding apparatus, Garment. J. W. Steele. Sept. 15.
Folding apparatus, Shirt. H. D. Forse, W. P. and L. T. Hooper. 2,639,065, May 19.
Folding box. W. G. Anderson, Jr. 2,639,080,
Folding box. A. Bockmann. 2,646,915, July
Folding box. H. A. Feigelman. 2,626,739, Ja
Folding box. C. M. Keller. 2,658,660, Nov. 1
Folding box machine. T. R. Baker and E. J. 2,624,248, Jan. 6.
Folding box machine. T. R. Baker and F. 2,655,843, Oct. 20.
Folding chair. L. Androsiglio. 2,658,562, No
Folding chair. G. W. Carlson. 2,658,558, No
Folding chair. L. Gethner. 2,650,653, Sept.
Folding chair. R. M. and J. R. Graffius. 2,635,6
Folding chair. A. G. W. Grotefend. 2,627,899
Folding chair. W. Kotler. 2,652,882, Sept. 2
Folding chair. W. E. Nordmark. 2,652,098.
Folding chair. W. E. Nordmark. 2,654,419.
Folding chair. G. H. Norquist. 2,633,183, M
Folding chair. M. D. Rechler. 2,630,162, Mar
Folding chair. M. D. Rechler. 2,649,138, A
Folding chair. N. H. C., C. E. N., and R. H 2,652,099, Sept. 15.
Folding chair. L. L. Westcamp. 2,639,762.
Folding device, Manual shirt. C. A. Calder. Oct. 6.
Folding display rack. F. Drueck, Jr. 2,661,
Folding garment hanger. M. A. Gillespie Morey. 2,633,276, Mar. 31.
Folding golf bag carrier. W. H. Jamieson Jamieson, Jr. 2,647,762, Aug. 4.
Folding hat cover. W. S. Jones. 2,659,481. N
Folding infant's chair. J. B. Young. 2,634,7
Folding ironing board. E. E. Foster. 2,662,3
Folding ironing board. A. J. Olshefski. Aug. 4.
Folding ironing board. J. E. Wood. 2,651,86
Folding machine. A. Eppler, Jr. 2,648,07
Folding machine. A. W. Jester. 2,663,886,
Folding machine for continuous strips of st Lach. 2,643,878, June 30.
Folding machine for laundry purposes. E. 2,650,821, Sept. 1.
Folding mechanism. K. Stone. 2,641,880, Ju
Folding multiply fabric construction. O. 2,658,535, Nov. 10.
Folding peg board. J. C. Shepherd. 2,635,608
Folding picture frame. V. P. Howard. 2,660
Folding rack. J. Kosash. 2,647,642, Aug. 4
Folding rafter square. E. Penker. 2,624,947
Folding receptacle holder. A. L. Franks. Aug. 18.
Folding rule joint. F. Lindhe and W. 2,629,179, Feb. 24.
Folding seat. W. E. Housel. 2,649,140, Au
Folding sectional top utility table. T. 2,654,647, Oct. 6.
Folding shovel or like tool. L. H. Nelles Feb. 24.
Folding table. O. A. Raphael. 2,656,232. Oc
Folding table. A. M. Zalkind. 2,655,417. Oc
Folding table leg lock. H. N. Anderson Sept. 22.
Folding towel bar. G. H. Severin. 2,642,1
Folding trailer drum rack. D. E. Shelby. Dec. 29.
Folding tray structure for automobile instru T. Bisaga and D. Peczeniuk. 2,657,107, Oc
Folding tripod seat. J. R. Baumfeld, J. I W. F. Homrighausen. 2,629,429, Feb. 24.
Folding wheel chair. S. Duke. 2,625,207. J
Folic acid intermediate preparation. D. I. E. I. Fairbu[illegible] 2,650,241, Aug. 25.
Folic acid production. D. I. Weisblat and B. 2,631,149, Mar. 10.
Follow-up system, Compensated. L. C 2,628,334, Feb. 10.
Follow-up system, Electrically controlled. 2,644,426, July 7.
Follower for file drawers. H. W. Regenhard Mar. 17.

Food chopper construction and knife therefor. C. R. Williams. 2,636,530, Apr. 28.
Food conditioner for cooking ranges. A. H. Brodbeck. 2,641,679, June 9.
Food cooking apparatus. L. V. Schaar. 2,629,315, Feb. 24.
Food freezing apparatus. J. C. Olsen and T. A. Dungan. 2,629,233, Feb. 24.
Food handling implement. E. S. Prince. 2,630,082, Mar. 3.
Food in marketable dispensers, Liquid infant. J. J. Horan. 2,628,908, Feb. 17.
Food, Infant. H. W. Howard and J. F. Muller. 2,659,676, Nov. 17.
Food masher. G. M. Jones. 2,659,403, Nov. 17.
Food mixer. B. A. Graham and I. Jepson. 2,643,864, June 30.
Food mixer. J. A. Schwarz. 2,662,753, Dec. 15.
Food mixer casing. W. Van Guilder. 2,662,421, Dec. 15.
Food mixer power unit. J. B. Kessel. 2,637,824, May 5.
Food package having insertable food article support. G. W. Stiehm. 2,628,914, Feb. 17.
Food package, Soft plastic. L. Peters. 2,657,998, Nov. 3.
Food product. A. M. Erickson. 2,650,880, Sept. 1.
Food product, especially milk, and making it, Dried or evaporated. H. A. Toulmin, Jr. 2,656,276, Oct. 20.
Food products and preparing the same, Dietetically sweetened. J. B. Gordon. 2,653,105, Sept. 22.
Food products and producing the same. J. Grader. 2,640,781, June 2.
Food products, Stabilized creamed. H. L. Hanson and H. Lineweaver. 2,653,876, Sept. 29.
Food warming means. H. O. Strehl. 2,659,362, Nov. 17.
Food waste comminuting unit. J. H. Powers. 2,642,233, June 16.
Foot and/or footwear protector. A. E. Winslow. 2,657,477, Nov. 3.
Foot and shoe protector. W. Stern. 2,644,249, July 7.
Foot-arch support structure. W. Wisbrun. 2,640,282, June 2.
Foot balancing means. C. P. Leydecker. 2,628,440, Feb. 17.
Football, Fabric reinforced. H. E. Tebbetts, Jr. and A. F. Reznicek. 2,653,818, Sept. 29.
Football shoe with attachment for kicking. R. A. Hyde and F. Vietas. 2,661,547, Dec. 8.
Football shoulder pad. H. Goldsmith. 2,636,170, Apr. 28.
Football training apparatus. E. L. Perry. 2,644,334, July 7.
Foot bath. C. M. G. Van Dijck. 2,654,894, Oct. 13.
Footcap. R. P. Kantor. 2,649,588, Aug. 25.
Foot covering, Stretchable. H. S. Heilbronner. 2,636,287, Apr. 28.
Foot-measuring machine. B. D. Spencer. 2,657,463, Nov. 3.
Foot-operated direction signal switch. P. L. Schneider. 2,636,092, Apr. 21.
Foot operated hydraulic pump. G. W. McLellan. 2,662,475, Dec. 15.
Foot operated toilet seat lifter. J. Jung. 2,661,484, Dec. 8.
Foot pump. T. H. Bjurström. 2,651,454, Sept. 8.
Footrest. L. R. Rogers. 2,654,420, Oct. 6.
Footrest, Dental chair. E. J. Ries. 2,628,658, Feb. 17.
Footrest for automotive vehicle drivers. C. H. Schetzer. 2,651,944, Sept. 15.
Foot support device for exercising machines, Adjustable. E. W. Brockman. 2,641,249, June 9.
Foot treatment apparatus, Therapeutic moist heat. C. E. Wray. 2,633,846, Apr. 7.
Foot washer. G. Schiro. 2,641,771, June 16.
Footwear, Article of. E. P. Bullard, III. 2,638,601, May 19.
Footwear, Article of. E. P. Bullard, III. 2,638,690, May 19.
Footwear calk assembly. H. S. Schrieber. 2,658,289, Nov. 10.
Footwear, Corrective. H. L. Whitman. 2,650,438, Sept. 1.
Footwear having a flared upper, Rubber. E. Gottschalk. 2,643,468, June 30.
Footwear hooks, Making. A. Steinberg and A. Cavadini. 2,654,333, Oct. 6.
Footwear last and assembly thereon. L. H. L'Hollier. 2,654,904, Oct. 13.
Footwear testing machine, Mechanical. A. A. Aines. 2,638,776, May 19.
Footwear with body grounding means. W. G. Legge. 2,650,327, Aug. 25.
Foot well for strollers, Adjustable. M. D. Welsh. 2,663,589, Dec. 22.
Forage cutter. O. E. Hintz and R. Schinke. 2,656,868, Oct. 27.
Force applying tool. O. Mueller. 2,641,942, June 16.
Force bridge, Automatically balanced. J. Sorteberg. 2,643,055, June 23.
Force measuring apparatus. A. D. McDuffie and W. H. Smith. 2,638,781, May 19.
Force measuring apparatus. R. E. Payne. 2,631,027, Mar. 10.
Forced air circulating heater. R. T. Pearce. 2,660,161, Nov. 24.
Forced air drier. G. S. Clemens. 2,646,629, July 28.
Forced air flow air-heating furnace. H. S. Murphy. 2,660,160, Nov. 24.
Forced air flow air heating furnace. L. N. Walter. 2,642,857, June 23.
Forced downward air flow air-heating furnace. J. S. Wallis and J. W. Throckmorton. 2,637,314, May 5.
Forceps. J. Thuerig. 2,642,871, June 23.
Forceps, Obstetrical. E. M. Greenberg. 2,637,320, May 5.
Forceps, Obstetrical. A. Miseo. 2,639,712, May 26.
Forceps, Surgical. J. L. Marco. 2,638,097, May 12.
Forceps tool with locking means, Pivoted jaws. L. C. Herbert. 2,654,632, Oct. 6.
Forehearth burner block. A. W. Russell. 2,649,903, Aug. 25.
Forge providing bottom discharge means for clinkers, refuse, and the like. S. Shipley. 2,631,553, Mar. 17.
Forged blanks and forgings, Making. W. W. Criley. 2,626,453, Jan. 27.
Forging a headed element. J. H. Mansfield. 2,656,739, Oct. 27.
Forging machine. W. W. Criley, F. F. Criley, and H. P. Boggis. 2,639,632, May 26.
Forging machine, Drill bit. A. W. Mitchhart. 2,645,138, July 14.
Forging metals. E. C. Creutz. 2,653,494, Sept. 29.
Forging process and apparatus. H. Allen. 2,663,205, Dec. 22.
Fork and finger lift attachment, Combination. D. E Hartquist. 2,650,732, Sept. 1.
Fork attachment for springing bicycle wheels. B. J. Miller. 2,649,312, Aug. 18.
Fork, Brick stack handling. F. T. Hansen. 2,636,768, Apr. 28.
Fork construction. R. Samson. 2,637,104, May 5.
Fork construction for industrial trucks. G. L. Turner and R. Lapsley. 2,643,784, June 30.
Fork for elevating trucks. H. E. Nilsson. 2,656,943, Oct. 27.
Fork for handling bricks and other units. J. F. Rowe. 2,624,608, Jan. 6.
Fork for tractors, Trash moving. O. L. Maynard. 2,647,649, Aug. 4.
Fork, Spading. C. H. Huggins. 2,625,370, Jan. 13.
Fork straightening pliers. J. Armstrong. 2,660,078, Nov. 24.
Form and clamp for shaping shoe uppers, Combination. F. Ashworth and E. E. Chase. 2,626,410, Jan. 27.
Form cutting tool. J. W. Leighton. 2,661,524, Dec. 8.
Form for casting elongated concrete building units T shape in cross section. P. N. Youtz. 2,648,889, Aug. 18.
Form for concrete and the like. R. C. Yates. 2,661,516, Dec. 8.
Form for concrete constructions. C. A. Commet and C. F. Merriman. 2,642,645, June 23.
Form for concrete crypts, Collapsible. M. A. Garrison. 2,628,403, Feb. 17.
Form for molding concrete walls. W. R. Huntington. 2,632,228, Mar. 24.
Form for molding concrete walls. C. M. Martin. 2,641,043, June 9.
Form for molding openings in concrete. A. C. Avril. 2,658,252, Nov. 10.
Form for progressively molding concrete walls. T. Jelks. 2,627,100, Feb. 3.
Form for textile material or the like. J. M. Field. 2,660,298, Nov. 24.
Form roller and cylinder tripping mechanism. H. E. Peyrebrune. 2,653,537, Sept. 29.
Form roller setting and tripping mechanism. H. E. Peyrebrune. 2,635,539, Apr. 21.
Formation of a surface easily wettable by mercury. C. E. Pollard, Jr. 2,640,020, May 26.
Formation of metal strip under controlled pressures. J. B. Brennan. 2,639,490, May 26.
Formation of the roll of tobacco in cigarette-making machines. M. Rault. 2,660,178, Nov. 24.
Formation of welding projections on tubes. C. W. Harrison. 2,658,548, Nov. 10.
Formation tester sample chamber assembly. G. H. Ramsey. 2,661,803, Dec. 8.
Former for cartons. T. Rowlands. 2,630,047, Mar. 3.
Forming a composite bearing. A. Townhill. 2,649,651, Aug. 25.
Forming a corrosion resistant paint and product resulting therefrom. A. Arent. 2,657,145, Oct. 27.
Forming a fin radiator assembly. C. H. Dietz. 2,644,225, July 7.
Forming a layer of metallic copper on copper oxide. P. Hersch. 2,643,199, June 23.
Forming a multifocal lens. S. T. Sheard and L. F. Rowe. 2,640,299, June 2.
Forming a multipart plastic structure. E. L. Danielson and F. J. Dofsen. 2,663,910, Dec. 29.
Forming a particle coating on a metal component of an electric discharge device. R. G. Robertshaw. 2,660,547, Nov. 24.
Forming a point at the end of a wire. V. J. Albano. 2,628,936, Feb. 17.
Forming a powder coating on a surface. L. R. Koller. 2,633,426, Mar. 31.
Forming a smooth surface on a substratum. J. de Gier and J. Peper. 2,642,365, June 16.

Forming a transparent reflection reducing coating on glass and the article resulting therefrom. S. McLean. 2,639,999, May 26.
Forming a wet cathode portion. H. M. Zimmerman. 2,642,628, June 23.
Forming airplane canopies. R. W. Dunmire. 2,648,099, Aug. 11.
Forming alkaline earth metal-beryllium double fluoride compounds. H. C. Kawecki. 2,647,817, Aug. 4.
Forming an elongated opening in a pipe or the like, Method of and means for. J. W. Dolby. 2,653,664, Sept. 29.
Forming an insoluble coating. J. Lolkema. 2,657,155, Oct. 27.
Forming an open filling-receiving groove in frankfurter rolls and other bakery products, Method of and apparatus for. C. O. M. Mason and H. J. Perry. 2,655,190, Oct. 13.
Forming and testing specimens of molding material. H. W. Dietert. 2,647,937, Aug. 4.
Forming artificial board. G. E. Tower. 2,643,186, June 23.
Forming asbestos products from polyvalent ion dispersed asbestos. G. D. Barbaras. 2,661,288, Dec. 1.
Forming batts of silica fibers. L. Parker. 2,635,390, Apr. 21.
Forming belt assemblies, Process and machine for. R. W. Winberg. 2,635,670, Apr. 21.
Forming big end up ingots. G. A. Dornin. 2,654,144, Oct. 6.
Forming blade roots. J. Atkinson. 2,660,779, Dec. 1.
Forming bolt-retaining rings for flanged pipe coupling assemblies. C. J. Westling. 2,656,594, Oct. 27.
Forming cabinet shells, Method and apparatus for. W. H. Nobles and A. R. Wylie. 2,638,860, May 19.
Forming cable tool drill bits. F. J. Spang. 2,661,636, Dec. 8.
Forming centering cavities in billet ends. J. W. Kelso. 2,660,545, Nov. 24.
Forming ceramic bodies, Method and apparatus for. E. M. Skipper and F. A. Rose. 2,632,936, Mar. 31.
Forming closure caps by molding and partially fluxing a paste resin composition with subsequent final fluxing thereafter. C. E. Maier. 2,654,914, Oct. 13.
Forming coating containing uranium and method of isotopic analysis. B. Cohen. 2,631,245, Mar. 10.
Forming commutators. H. W. Stein and J. D. Risher. 2,637,098, May 5.
Forming composite joint construction. W. M. Patterson. 2,638,429, May 12.
Forming container blanks. M. Hyman, Jr. 2,653,888, Sept. 29.
Forming cured glycidyl ether resinous bonds between two solid surfaces. E. C. Shokal, H. A. Newey, and T. F. Bradley. 2,651,589, Sept. 8.
Forming die. J. A. Exline, Jr. 2,642,916, June 23.
Forming double glazed units. F. R. Hohmann. 2,624,978, Jan. 13.
Forming edge for overstuffed furniture. A. A. Stanton. 2,628,667, Feb. 17.
Forming embossed and decorated panels. K. F. Smith. 2,643,417, June 30.
Forming end seams in composite containers. D. G. Magill and S. W. Pierce. 2,633,095, Mar. 31.
Forming fibers from collagen. J. H. Highberger. 2,631,942, Mar. 17.
Forming fibers, Method and apparatus for. C. J. Stalego. 2,626,484, Jan. 27.
Forming filter housings. J. J. Dreznes. 2,641,826, June 16.
Forming films, Method and apparatus for. W. J. Bennes and C. E. Leyes. 2,644,195, July 7.
Forming flake ice, Method of and means for. G. M. Lees. 2,659,212, Nov. 17.
Forming fluffed filamentary masses and article produced thereby. T. R. Simkins and R. N. Jasper. 2,644,780, July 7.
Forming glass, Method and apparatus for. J. W. Giffen. 2,662,346, Dec. 15.
Forming glass seals between tubular members. M. D. Hare. 2,629,971, Mar. 3.
Forming head and forming ice-cream tarts. S. J. Daanen and T. H. Lutsey. 2,657,649, Nov. 3.
Forming imitation hand rift shingles. L. B. Dennison. 2,646,093, July 21.
Forming lamp filaments. O. Mann and R. B. Thomas. 2,655,952, Oct. 20.
Forming large upsets, Method and apparatus for. L. F. Knight and A. Pitt. 2,647,979, Aug. 4.
Forming metal powder into a fluid guiding body. R. P. Seelig. 2,653,377, Sept. 29.
Forming molds for casting thermosetting transparent enclosures. R. S. Ames. 2,662,248, Dec. 15.
Forming molds, Means for. R. E. Barr. 2,660,768, Dec. 1.
Forming multicolor coating composition. M. Schwefsky. 2,658,002, Nov. 3.
Forming multiple segment tanks. R. J. Branson. 2,628,418, Feb 17.
Forming name plates. E. Penker. 2,624,935, Jan. 13.
Forming nonmetallic resilient packing rings. D. T. Harbison. 2,635,331, Apr. 21.
Forming nonreflecting coating on glass. W. F. Parsons and J. N. Little. 2,649,387, Aug. 18.
Forming oven liners. J. W. Ingraham and A. Barnsteiner. 2,646,762, July 28.
Forming press. R. W. Glasner. 2,633,765, Apr.
Forming press automatic feed. J. Wyza. 2, Sept. 1.
Forming removable protective coverings. B. M. and J. J. Brophy. 2,634,216, Apr. 7.
Forming resistor assemblies. J. Marsten and A. Jr. 2,629,166, Feb. 24.
Forming roll. L. G. Zesbaugh. 2,662,451, Dec. 1
Forming seal in synthetic plastic packages. J. shall. 2,649,392, Aug. 18.
Forming semiconducting layers on glass and formed thereby. K. B. Blodgett. 2,636,832,
Forming sheet glass, Method and apparatus for Walters. 2,655,765, Oct. 20.
Forming silica and for coating lamp bulbs, Me M. Pipkin. 2,626,874, Jan. 27.
Forming silica fibers. L. Parker and B. 2,624,658, Jan. 6.
Forming spheroidal catalyst particles. J. L. 2,652,371, Sept. 15.
Forming spools. F. J. Bieber and L. E. 2,663,073, Dec. 22.
Forming styluslike articles from corundum o Process of and apparatus for. D. M. Yenni a Hart. 2,659,181, Nov. 17.
Forming thin-walled metal sleeves, Method and a for. E. C. Cichoski and W. C. Dale. 2,662,573,
Forming thread. C. F. Gram. 2,639,214, May 1
Forming threaded articles, Method and appara C. L. Hornberger and A. Schulz. 2,664,136,
Forming tubular articles. G. G. Whytlaw. Mar. 17.
Forming urea complexes. G. B. Arnold, J. K. Tr H. V. Hess. 2,658,887, Nov. 10.
Forming valve guides. W. L. H. Doyle and G. 2,632,235, Mar. 24.
Forming vulcanized articles, Method of and appa G. E. Henning. 2,655,691, Oct. 20.
Forming waterproof garments. C. V. Green. Aug. 25.
Forming wire and the like, Method and appa R. P. Gutterman. 2,638,207, May 12.
Forming wood wool panels. H. W. Collins. Oct. 13.
Forming wound magnetic cores. U. S. Dunn. Oct. 20.
Formaldehyde-amide composition with a butadien curing catalyst, Stable thermosetting. D. E 2,635,083, Apr. 14.
Formaldehyde-dicyandiamide resins and the trea leather therewith. W. O. Dawson and 2,637,622, May 5.
Formaldehyde purification process. J. C. Walker Heston. 2,645,665, July 14.
Formic acid, Manufacture of. A. G. Taylor a Caldwell. 2,645,661, July 14.
Formoguanamines and their preparation. D. and J. J. Roemer. 2,630,433, Mar. 3.
Formoguanamines and their preparation. D. and J. J. Roemer. 2,658,894, Nov. 10.
Formoguanamines, Preparation of. W. O. F L. C. Lane, Jr. 2,653,938, Sept. 29.
Forward and reverse belt drive for tapping att M. H. Emrick. 2,660,068, Nov. 24.
Foul detecting device. J. A. MacLagan and T. 2,650,095, Aug. 25.
Foundry composition and method. T. E. 2,657,113, Oct. 27.
Foundry device. W. J. Olson. 2,638,645, May
Fountain applicator device having automatically nozzles. F. Toop. 2,649,601, Aug. 25.
Fountain applicator with magnetic valve. W. T 2,628,005, Feb. 10.
Fountain attachment for combs. B. Di Zazzo. July 28.
Fountain attachment for faucets, Drinking. mond. 2,635,006, Apr. 14.
Fountain attachment for faucets, Drinking. J. 2,661,237, Dec. 1.
Fountain, Automatic poultry. P. S. Martin. Mar. 24.
Fountain, Automatic poultry drinking. J. M. 2,659,347, Nov. 17.
Fountain, Automatic watering. E. B. Johnson. Dec. 15.
Fountain brush head having sliding valve. J. son. 2,638,614, May 19.
Fountain marker. H. W. Hempel and W. 2,643,409, June 30.
Fountain marking device with work operable v Soldner. 2,624,902, Jan. 13.
Fountain or bath, Automatic bird. W. E. 2,651,321, Sept. 8.
Fountain pen construction. W. Muench. Feb. 24.
Fountain syringe bag. H. Puckman. 2,661,7
Fountain, Wash. J. Rothmayr. 2,652,284, Se
4-acylamino-1-alkyl-4-phenylpiperidines and ma C. E. Kwartler and P. Lucas. 2,634,275, A
4-(acylsulfamyl) derivatives of anilic acids, of. E. J. Young. 2,648,690, Aug. 11.
4-alkylbiphenyl, Production of a. V. N. Ipat Pines. 2,630,460, Mar. 3.

4-amino and 4-chloro phenyl-2-thienyl ketones. F. Marschall. 2,651,640, Sept. 8.
4-amino-5-benzylpyrimidine compounds. A. S. Goldberg. 2,649,448, Aug. 18.
4-amino-N,N-dialkyl-3-dialkylaminoanilines as developers for photographic silver halide emulsions. A. Weissberger and J. R. Thirtle. 2,652,331, Sept. 15.
4-amino-2-hydroxybenzoic acid, Producing. R. P. Parker and J. M. Smith, Jr. 2,644,011, June 30.
4-chloro-2,5-dialkoxyanilines, Preparation of. A. Bloom. 2,649,482, Aug. 18.
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4-(cyclopentanopolyhydrophenanthr-17-yl) imidazoles and derivatives thereof. K. Rorig. 2,664,423, Dec. 29.
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4,4-disubstituted 3-amino-5-halogen-pyrazoles. J. Druey. 2,636,039, Apr. 21.
4,4'-polymethylene-bipiperidinium derivatives. M. W. Goldberg and L. M. Jampolsky. 2,624,735, Jan. 6.
4,4,6-trimethyl-2-(1-hydroxyethyl)-5,6-dihydro-1,3 4H-oxazine. W. P. Ratchford. 2,648,664, Aug. 11.
4-hydroxycoumarin derivatives. F. Litvan and W. Stoll. 2,648,683, Aug. 11.
4-hydroxy-7,8-phthaloyl-cinnolines and preparing same. F. Ebel. 2,663,708, Dec. 22.
Four-in-hand tie knot holder. W. C. Webster. 2,635,248, Apr. 21.
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4-N-substituted-2-ketopiperazines. P. L. de Benneville. 2,653,153, Sept. 22.
4-octyl- and nonyl-pyridines for controlling fungous attacks in organic materials. F. E. Cislak. 2,658,850, Nov. 10.
Four-point leaf spring suspension for baby carriages. E. B. Lied and J. Tompkins. 2,629,610, Feb. 24.
4-quinazolone-3-acetoacetic acids, the esters thereof and salts of said acids and said esters. B. R. Baker and M. V. Querry. 2,648,665, Aug. 11.
4-quinolyl secondary amine, Preparing. W. S. Johnson. 2,653,940, Sept. 29.
4,6-diketo hexahydropyrimidines, Manufacture of. W. R. Boon, N. Greenhalgh, E. London, and C. H. Vasey. 2,637,730, May 5.
Four-stroke internal-combustion engine. A. Scheiterlein. 2,654,355, Oct. 6.
4-substituted-2-(tertiary-aminoalkoxy)-benzonitriles and their preparation. R. O. Clinton and S. C. Laskowski. 2,642,436, June 16.
4-substituted-vinylcyclohexenes and the production thereof. J. Korman, W. B. Reid, Jr., A. H. Nathan, and J. A. Hogg. 2,644,012, June 30.
14 alpha-hydroxy-androstene-diones and process. H. C. Murray and D. H. Peterson. 2,662,089, Dec. 8.
14,15-oxides of the cyclopentanopolyhydrophenanthrene and polyhydrochrysene series. L. Ruzicka and P. Plattner. 2,656,349, Oct. 20.
4-tertiary-butyl-phenyl salicylate, Making. W. C. Stoesser and E. H. Sommerfield. 2,654,774, Oct. 6.
4-(tertiary-aminoalkanoylamina)-2-alkoxybenzoic acid derivatives and their preparation. R. O. Clinton. 2,657,210, Oct. 27.
Four-way change-over valve. F. J. Vargo. 2,638,123, May 12.
Four-way valve. J. Briechle. 2,639,728, May 26.
Four-way valve. A. W. Churchill and R. C. Van Camp. 2,624,585, Jan. 6.
Fowl feeding device, Automatic. R. K. Virgil. 2,646,023, July 21.
Fowl marker. H. W. Dryden. 2,637,922, May 12.
Fowl picker head. D. D. Toti. 2,634,456, Apr. 14.
Fraction collection apparatus. G. Gorham. 2,654,522, Oct. 6.
Fractional crystallization method. L. K. Frevel and L. J. Kressley. 2,659,761, Nov. 17.
Fractional distillation. L. Kniel. 2,645,104, July 14.
Fractional esters of oxypropylated 4,4'-dihydroxydiphenyl sulfone. M. De Groote. 2,652,420, Sept. 15.
Fractional esters of polyoxyalkylated furfurylamine. M. De Groote. 2,652,407, Sept. 15.
Fractional esters of polyoxyalkylated glycerol ethers. M. De Groote. 2,652,422, Sept. 15.
Fractional esters of polyoxyalkylated glyceryl ethers. M. De Groote. 2,652,421, Sept. 15.
Fractional esters of polyoxyalkylated glyceryl ethers. M. De Groote. 2,652,423, Sept. 15.
Fractional esters of polyoxyalkylated p,p'-dihydroxydiphenyl-dimethyl-methane. M. De Groote. 2,652,419, Sept. 15.
Fractional separation of oil with a complexing agent such as urea in the presence of a solvent liquid. G. B. Arnold, H. V. Hess, W. E. Skelton, and W. V. Overbaugh. 2,653,122, Sept. 22.
Fractional separation of wax from a hydrocarbon mixture using an organic complexing agent and a solvent. G. B. Arnold, H. V. Hess, and W. E. Skelton. 2,637,681, May 5.
Fractionation of black grease. M. Mattikow. 2,652,412, Sept. 15.
Fractionation of fatty materials. J. T. Dickinson. 2,660,590, Nov. 24.
Fractionation of oat oil and use of same. E. L. Washburn. 2,636,888, Apr. 28.
Fractionation of oleiferous materials. E. M. B. Pramuk and F. H. MacLaren. 2,645,652, July 14.
Fractionation of triglycerides. A. W. Hixson and R. Miller. 2,631,157, Mar. 10.
Fractionation with solid adsorbents. H. Z. Martin and W. K. Lewis, Jr. 2,651,603, Sept. 8.
Fracture nail and bone plate. J. W. Price. 2,627,855, Feb. 10.
Fracture nail inserter. A. E. Gallant, A. C. and R. F. Markkula. 2,645,220, July 14.
Fracture securing device. H. Briggs. 2,628,614, Feb. 17.
Fracture splint, Bone. R. B. Gibson. 2,658,508, Nov. 10.
Fracture table. A. J. Neufeld. 2,658,507, Nov. 10.
Fractured outer race for antifriction bearings. B. T. Virtue. 2,624,645, Jan. 6.
Fracturing formations in wells. R. F. Farris. Re. 23,733, Nov. 10.
Fraglie article packaged in popped corn. A. R. Rausch. 2,649,958, Aug. 25.
Frame: *See*—
Automobile floor mat frame.
Baking frame.
Bed frame.
Bird nest frame.
Bucksaw frame.
Building frame.
Cervical traction frame.
Coke oven door frame.
Collapsible supporting frame.
Corsage frame.
Disk plow wheeled frame.
Display frame.
Door frame.
Double-acting hinge frame.
Drafting frame.
Easel type picture frame.
Film receiving frame.
Five-roll double-draft frame.
Foldable bed frame.
Folding picture frame.
Gill drawing frame.
Gyroscopic rotor frame.
Handsaw frame.
Hose reel frame.
Illuminated electric razor frame.
Implement carrier frame.
Laundry frame.
Metal window screen frame.
Mortar strip positioning frame.
Motor vehicle body frame.
Perambulator frame.
Photographic contact frame.
Photographic printing frame.
Picture frame.
Register frame.
Saw frame.
Sectional scaffold frame.
Shoe machine frame.
Spectacle frame.
Spinning or roving frame.
Storm window sash frame.
Tubular metal chair frame.
Twisting frame.
Universal spinning frame.
Universally adaptable frame.
Welded railway car truck frame.
Window frame.
Frame and support, Picture. S. C. Brody. 2,636,702, Apr. 28.
Frame attachment for supporting workers in planting. W. J. Melvin, Jr. 2,658,768, Nov. 10.
Frame construction. J. R. Schmidgall. 2,654,451, Oct. 6.
Frame construction for implement draft devices. V. O. Hauswirth. 2,660,445, Nov. 24.
Frame construction for plows. O. W. Oerman. 2,633,069, Mar. 31.
Frame construction for planters. C. W. Walz and H. F. Clausen. 2,660,967, Dec. 1.
Frame construction for weaving looms. J. Picanol. 2,642,092, June 16.
Frame for chair-desks, Side. S. C. Willis and L. W. Brulin. 2,643,703, June 30.
Frame for colored photographs, Picture. M. Spertus. 2,651,129, Sept. 8.
Frame for lenses, Ophthalmic trial. R. D. Gunkel. 2,631,494, Mar. 17.
Frame for making scalloped crochet edging. B. L. Scott. 2,655,017, Oct. 13.
Frame for photographs and pictures. G. P. Woodbury. 2,663,105, Dec. 22.
Frame for sofa beds, Folding. R. Coopersmith. 2,654,896, Oct. 13.
Frame for supporting or mounting flat pieces or objects, Adjustable. M. R. Angus and A. E. Brinkman. 2,633,653, Apr. 7.
Frame mounting for lift type implements, Nonrigid. A. V. Raught. 2,649,722, Aug. 25.
Frame structure. L. A. Blackburn. 2,632,532, Mar. 24.
Frame structure for attachment to tractors and like vehicles, Load carrying auxiliary. T. W. Paul. 2,630,870, Mar. 10.
Frame structure for conveyers, Supporting. E. F. Koerber. 2,659,476, Nov. 17.
Frame structure for dynamoelectric machines. C. J. Morton, R. G. Riddle, and T. H. Woodfield. 2,632,861, Mar. 24.
Frame structure for multicrankshaft engines. G. Pielstick. 2,634,586, Apr. 14.
Frame structure for multicrankshaft engines. G. Pielstick. 2,634,711, Apr. 14.
Framing device. J. F. Rohs. 2,638,131, May 12.
Framing machine for ladies' handbags and the like. J. B. Rosenthal. 2,636,536, Apr. 28.
Framing of metal profiles particularly for movable and glazed windows and doors. E. S. Persson. 2,659,463, Nov. 17.

Framing square. F. W. Prucker, Jr. 2,652,629, Sept. 22.
Framing system, Facsimile. A. Nyman. 2,632,810, Mar. 24.
Frangible connection. E. A. Weinberg. 2,638,368, May 12.
Frangible means for dispensing cartons. R. J. Hickin. 2,626,096, Jan. 20.
Frangible piston ring. E. W. Patterson. 2,626,193, Jan. 20.
Frankfurters, Producing skinless. J. L. Lewis. 2,627,466, Feb. 3.
Fraud prevention device. R. K. Thompson, Jr. 2,641,348, June 9.
Free coil line winder. P. P. Geraci. 2,644,648, July 7.
Free-flowing crystalline solids, Manufacture of. H. D. Merrill and C. J. Gaiser. 2,624,500, Jan. 6.
Free trip circuit breaker. R. C. Ingwersen. 2,625,625, Jan. 13.
Free wheel mechanism. L. Robin. 2,645,319, July 14.
Freewheeling clutch between a compressor turbine and an output turbine. A. T. Bowden, A. Muller, P. Kolb, W. Hrynisznk, and O. Zadnick. 2,660,033, Nov. 24.
Freely transintable sliding door. B. J. Triller. 2,659,111, Nov. 17.
Freezemeter. J. W. Dickey, E. E. Hood, and L. L. Gerwig. 2,635,457, Apr. 21.
Freezemeter. J. W. Dickey and E. E. Hood. 2,635,458, Apr. 21.
Freezemeter. J. W. Dickey and E. E. Hood. 2,651,194, Sept. 8.
Freezer and freezing liquids, Shell. J. H. Lazar. 2,655,007, Oct. 13.
Freezer divider. O. B. Hafner. 2,627,993, Feb. 10.
Freezer evaporator, including check valve in header. F. A. Schumacher. 2,641,113, June 9.
Freezing apparatus. E. P. Wenzelberger. 2,657,549, Nov. 3.
Freezing machine. J. R. Watt. 2,639,594, May 26.
Freezing machine, Vertical pressure plate food. I. H. Polk. 2,632,312, Mar. 24.
Freezing mushrooms. H. R. Dadley. 2,653,930, Sept. 29.
Freezing plant. E. Wilbushewich. 2,643,524, June 30.
Freezing point tester. A. S. Chipley. 2,658,383, Nov. 10.
Frozen comestibles, Manufacture of. C. W. Decker. 2,641,546, June 9.
Frozen confection package and container therefor. J. Valenta. 2,627,472, Feb. 3.
Frozen food cabinet. Ernest E., G. E., and Ellsworth E. Sanders. 2,663,158, Dec. 22.
Frozen food indicator. C. L. Smith. 2,662,018, Dec. 8.
Frozen mix making device. P. Martin. 2,645,911, July 21.
Freight car. A. L. Simpson. 2,654,327, Oct. 6.
Freight car door lock. J. F. Bentley. 2,655,371, Oct. 13.
Freight handling system. B. A. Hainsworth. 2,642,197, June 16.
Frequency control apparatus, Automatic. H. L. Schultz. 2,640,156, May 26.
Frequency control for telegraph receivers. D. Leypold, H. Rudolph, and H. Jurgens. 2,641,650, June 9.
Frequency control system. D. S. Bond. 2,644,138, June 30
Frequency control system. S. I. Rambo. 2,640,155, May 26.
Frequency control system, Automatic. J. W. Lower. 2,631,239, Mar. 10.
Frequency control system for microwave relay terminal stations. B. F. Wheeler. 2,653,315, Sept. 22.
Frequency conversion system. G. S. Whidden. 2,664,501, Dec. 29.
Frequency converter system. B. S. Vilkomerson. 2,653,224, Sept. 22.
Frequency correction device. H. Stover. 2,641,709, June 9.
Frequency determining device. L. W. Boothby and F. C. Isely. 2,636,085, Apr. 21.
Frequency discriminator. O. B. Dutton. 2,654,841, Oct. 6.
Frequency discriminatory system. G. L. Fredendall. 2,651,673, Sept. 8.
Frequency divider. W. D. Houghton. 2,648,767, Aug. 11.
Frequency dividing circuit. J. K. Phelan. 2,653,236, Sept. 22.
Frequency division. T. H. Nakken. 2,660,708, Nov. 24.
Frequency generator. O. S. Field. 2,651,734, Sept. 8.
Frequency generator. F. S. Mabry. 2,648,006, Aug. 4.
Frequency meter. G. K. Jensen and J. E. McGeogh. 2,627,033, Jan. 27.
Frequency modulated torsional vibration analyzer. F. W. Chapman. 2,655,036, Oct. 13.
Frequency-modulating stabilized oscillators, Method and system for. L. E. Norton. 2,631,269, Mar. 10.
Frequency modulation detector. U. S. Berger. 2,664,505, Dec. 29.
Frequency modulation repeater. J. C. Schelleng. 2,659,813, Nov. 17.
Frequency modulation system. M. T. Reynolds. 2,644,924, July 7.
Frequency multiplier circuit. J. S. Russo. 2,664,510, Dec. 29.
Frequency or phase modulating system. M. G. Crosby. 2,657,359, Oct. 27.
Frequency oscillation modulator. A. S. Harris. 2,654,071, Sept. 29.
Frequency regulator. P. W. Franklin. 2,637,0 28.
Frequency regulator. H. G. Haas. 2,639,413, Ma
Frequency response control means for high-frequ plifiers. O. F. Cheney. 2,646,471, July 21.
Frequency response system. E. D. McArthur. 2 June 2.
Frequency responsive apparatus. J. L. Barker. 2 June 9.
Frequency selective network. G. V. Eltgroth. 2 Mar. 31.
Frequency selector. W. S. Eaton. 2,632,521,
Frequency-sensitive apparatus for indicating nitude of a condition and limit indicatio therefor. C. G. Sontheimer. 2,664,556, Dec.
Frequency shift diversity reception. H. O. Pete J. B. Atwood. 2,636,115, Apr. 21.
Frequency shift receiver. J. B. Atwood. 2,654,80
Frequency stabilizing circuit. A. B. Jacobsen. 2 June 30.
Friction buffer for railway cars. G. E. Dath. 2 Oct. 27.
Friction cathead. S. W. Long. 2,640,683–4, J
Friction clutch. L. D. Stripling. 2,649,175, A
Friction clutch. P. C. Vincent. 2,629,473, Feb.
Friction device. J. G. Oetzel. 2,654,445, Oct. 6.
Friction device for operating knobs in adjusta ratus. H. A. Hilsinger, Jr. 2,660,904, Dec. 1,
Friction disk, Lubricated. H. F. Hobbs. Nov. 17.
Friction drive and detent, Combined. R. L 2,638,004, May 12.
Friction drive transmission for phonograph t Plural speed. F. M. Slough. 2,646,688, Jul
Friction drive, Variable ratio. H. J. Wood. June 23.
Friction-driven sharpening device. R. W 2,626,485, Jan. 27.
Friction element and forming same. E. C. Ber 2,640,795, June 2.
Friction element for disk brakes. J. C. 2,656,020, Oct. 20.
Friction engaging device and control means the E. Carnagua and D. W. Kelbel. 2,638,185, M
Friction heat generator. H. W. Love and S. L 2,625,929, Jan. 20.
Friction ignitable composition for cigars and Preparing. A. Lorenzi. 2,634,199, Apr. 7.
Friction joint. T. O. Rueb. 2,636,759, Apr. 28
Friction latch. H. Ter Meer. 2,659,620, Nov. 1
Friction letoff for picker calenders. N. B 2,648,100, Aug. 11.
Friction reducing apparatus for governor spindl Appleby. 2,664,285, Dec. 29.
Friction shock absorbing mechanism for rail A. E. Dentler. 2,624,567, Jan. 6.
Friction shock absorbing mechanism for railw riggings. W. E. Withall. 2,649,212–13, Aug
Friction taxi lock for airplane cross-wind mai wheels. E. Wolf. 2,629,571, Feb. 24.
Friction type exerciser, Push and pull. H. N Re. 23,744, Nov. 24.
Friction vibration damping means for floor J. van der Heem. 2,648,856, Aug. 18.
Friedel-crafts isobutylene polymerizations in ch alkane solution. J. S. Saylor, Jr. 2,644,809,
Front apron adjusting mechanism for carry-type H. A. Wagner. 2,642,681, June 23.
Front apron construction for carry-type earth F. Owen. 2,655,741, Oct. 20.
Front feed carriage for accounting machines. derson. 2,639,019, May 19.
Front feed paper gauge. W. A. Anderson. Jan. 27.
Front leaf control means for tilting front drawe Swimmer. 2,635,609, Apr. 21.
Front stop assembly. A. J. Albrecht. 2,643,881
Front support members and bellows mounting photographic cameras. O. Steiner. 2,662,45
Front surface mirror improved by transparent overcoating. R. W. Boydston and A. J 2,647,441, Aug. 4.
Front wheel mounting for mowers. W. H 2,660,019, Nov. 24.
Froth flotation apparatus. P. L. Wigton. Aug. 11.
Froth flotation of iron-bearing minerals from ores. M. K. Banks. 2,633,241, Mar. 31.
Froth flotation of sylvinite ore. A. J. Weinig. Sept. 15.
Frothing agents for the flotation of ores. R 2,657,800, Nov. 3.
Fruit-containing frozen confections and prod same. W. F. Talburt and D. G. Guadagni. Sept. 8.
Fruit cutting and juice extracting machine. L 2,631,625, Mar. 17.
Fruit feeding, impaling, peeling, trimming, celli and splitting apparatus. W. B. Coons. Dec. 29.
Fruit gatherer. E. R. Doak. 2,643,754, June 3
Fruit gatherer apron. H. F. Brown. 2,649,68

4-amino and 4-chloro phenyl-2-thienyl ketones. F. Marschall. 2,651,640, Sept. 8.
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4-quinazolone-3-acetoacetic acids, the esters thereof and salts of said acids and said esters. B. R. Baker and M. V. Querry. 2,648,665, Aug. 11.
4-quinolyl secondary amine, Preparing. W. S. Johnson. 2,653,940, Sept. 29.
4,6-diketo hexahydropyrimidines, Manufacture of. W. R. Boon, N. Greenhalgh, E. London, and C. H. Vasey. 2,637,730, May 5.
Four-stroke internal-combustion engine. A. Scheiterlein. 2,654,355, Oct. 6.
4-substituted-2-(tertiary-aminoalkoxy)-benzonitriles and their preparation. R. O. Clinton and S. C. Laskowski. 2,642,436, June 16.
4-substituted-vinylcyclohexenes and the production thereof. J. Korman, W. B. Reid, Jr., A. H. Nathan, and J. A. Hogg. 2,644,012, June 30.
14 alpha-hydroxy-androstene-diones and process. H. C. Murray and D. H. Peterson. 2,662,089, Dec. 8.
14,15-oxides of the cyclopentanopolyhydrophenanthrene and polyhydrochrysene series. L. Ruzicka and P. Plattner. 2,656,349, Oct. 20.
4-tertiary-butyl-phenyl salicylate, Making. W. C. Stoesser and E. H. Sommerfield. 2,654,774, Oct. 6.
4-(tertiary-aminoalkanoylamina)-2-alkoxybenzoic acid derivatives and their preparation. R. O. Clinton. 2,657,210, Oct. 27.
Four-way change-over valve. F. J. Vargo. 2,638,123, May 12.
Four-way valve. J. Briechle. 2,639,728, May 26.
Four-way valve. A. W. Churchill and R. C. Van Camp. 2,624,585, Jan. 6.
Fowl feeding device, Automatic. R. K. Virgil. 2,646,023, July 21.
Fowl marker. H. W. Dryden. 2,637,922, May 12.
Fowl picker head. D. D. Totl. 2,634,456, Apr. 14.
Fraction collection apparatus. G. Gorham. 2,654,522, Oct. 6.
Fractional crystallization method. L. K. Frevel and L. J. Kressley. 2,659,761, Nov. 17.
Fractional distillation. L. Kniel. 2,645,104, July 14.
Fractional esters of oxypropylated 4,4'-dihydroxydiphenyl sulfone. M. De Groote. 2,652,420, Sept. 15.
Fractional esters of polyoxyalkylated furfurylamine. M. De Groote. 2,652,407, Sept. 15.
Fractional esters of polyoxyalkylated glycerol ethers. M. De Groote. 2,652,422, Sept. 15.
Fractional esters of polyoxyalkylated glyceryl ethers. M. De Groote. 2,652,421, Sept. 15.
Fractional esters of polyoxyalkylated glyceryl ethers. M. De Groote. 2,652,423, Sept. 15.
Fractional esters of polyoxyalkylated p,p'-dihydroxydiphenyl-dimethyl-methane. M. De Groote. 2,652,419, Sept. 15.
Fractional separation of oil with a complexing agent such as urea in the presence of a solvent liquid. G. B. Arnold, H. V. Hess, W. E. Skelton, and W. V. Overbaugh. 2,653,122, Sept. 22.
Fractional separation of wax from a hydrocarbon mixture using an organic complexing agent and a solvent. G. B. Arnold, H. V. Hess, and W. E. Skelton. 2,637,681, May 5.
Fractionation of black grease. M. Mattikow. 2,652,412, Sept. 15.
Fractionation of fatty materials. J. T. Dickinson. 2,660,590, Nov. 24.
Fractionation of oat oil and use of same. E. L. Washburn. 2,636,888, Apr. 28.
Fractionation of oleiferous materials. E. M. B. Pramuk and F. H. MacLaren. 2,645,652, July 14.
Fractionation of triglycerides. A. W. Hixson and R. Miller. 2,631,157, Mar. 10.
Fractionation with solid adsorbents. H. Z. Martin and W. K. Lewis, Jr. 2,651,603, Sept. 8.
Fracture nail and bone plate. J. W. Price. 2,627,855, Feb. 10.
Fracture nail inserter. A. E. Gallant, A. C. and R. F. Markkula. 2,645,220, July 14.
Fracture securing device. H. Briggs. 2,628,614, Feb. 17.
Fracture splint, Bone. R. B. Gibson. 2,658,508, Nov. 10.
Fracture table. A. J. Neufeld. 2,658,507, Nov. 10.
Fractured outer race for antifriction bearings. B. T. Virtue. 2,624,645, Jan. 6.
Fracturing formations in wells. R. F. Farris. Re. 23,733, Nov. 10.
Fragile article packaged in popped corn. A. R. Rausch. 2,649,958, Aug. 25.
Frame: *See*—
Automobile floor mat frame.
Baking frame.
Bed frame.
Bird nest frame.
Bucksaw frame.
Building frame.
Cervical traction frame.
Coke oven door frame.
Collapsible supporting frame.
Corsage frame.
Disk plow wheeled frame.
Display frame.
Door frame.
Double-acting hinge frame.
Drafting frame.
Easel type picture frame.
Film receiving frame.
Five-roll double-draft frame.
Foldable bed frame.
Folding picture frame.
Gill drawing frame.
Gyroscopic rotor frame.
Handsaw frame.
Hose reel frame.
Illuminated electric razor frame.
Implement carrier frame.
Laundry frame.
Metal window screen frame.
Mortar strip positioning frame.
Motor vehicle body frame.
Perambulator frame.
Photographic contact frame.
Photographic printing frame.
Picture frame.
Register frame.
Saw frame.
Sectional scaffold frame.
Shoe machine frame.
Spectacle frame.
Spinning or roving frame.
Storm window sash frame.
Tubular metal chair frame.
Twisting frame.
Universal spinning frame.
Universally adaptable frame.
Welded railway car truck frame.
Window frame.
Frame and support, Picture. S. C. Brody. 2,636,702, Apr. 28.
Frame attachment for supporting workers in planting. W. J. Melvin, Jr. 2,658,768, Nov. 10.
Frame construction. J. R. Schmidgall. 2,654,451, Oct. 6.
Frame construction for implement draft devices. V. O. Hauswirth. 2,660,445, Nov. 24.
Frame construction for plows. O. W. Oerman. 2,633,069, Mar. 31.
Frame construction for planters. C. W. Walz and H. F. Clausen. 2,660,967, Dec. 1.
Frame construction for weaving looms. J. Picanol. 2,642,092, June 16.
Frame for chair-desks, Side. S. C. Willis and L. W. Brulin. 2,643,703, June 30.
Frame for colored photographs, Picture. M. Spertus. 2,651,129, Sept. 8.
Frame for lenses, Ophthalmic trial. R. D. Gunkel. 2,631,494, Mar. 17.
Frame for making scalloped crochet edging. B. L. Scott. 2,655,017, Oct. 13.
Frame for photographs and pictures. G. P. Woodbury. 2,663,105, Dec. 22.
Frame for sofa beds, Folding. R. Coopersmith. 2,654,896, Oct. 13.
Frame for supporting or mounting flat pieces or objects, Adjustable. M. R. Angus and A. E. Brinkman. 2,633,653, Apr. 7.
Frame mounting for lift type implements, Nonrigid. A. V. Raught. 2,649,722, Aug. 25.
Frame structure. L. A. Blackburn. 2,632,532, Mar. 24.
Frame structure for attachment to tractors and like vehicles, Load carrying auxiliary. T. W. Paul. 2,630,870, Mar. 10.
Frame structure for conveyers, Supporting. E. F. Koerber. 2,659,476, Nov. 17.
Frame structure for dynamoelectric machines. C. J. Morton, R. G. Riddle, and T. H. Woodfield. 2,632,861, Mar. 24.
Frame structure for multicrankshaft engines. G. Pielstick. 2,634,586, Apr. 14.
Frame structure for multicrankshaft engines. G. Pielstick. 2,634,711, Apr. 14.
Framing device, J. F. Rohs. 2,638,131, May 12.
Framing machine for ladies' handbags and the like. J. B. Rosenthal. 2,636,536, Apr. 28.
Framing of metal profiles particularly for movable and glazed windows and doors. E. S. Persson. 2,659,463, Nov. 17.

Framing square. F. W. Prucker, Jr. 2,652,629, Sept. 22.
Framing system, Facsimile. A. Nyman. 2,632,810, Mar. 24.
Frangible connection. E. A. Weinberg. 2,638,368, May 12.
Frangible means for dispensing cartons. R. J. Hickin. 2,626,096, Jan. 20.
Frangible piston ring. E. W. Patterson. 2,626,193, Jan. 20.
Frankfurters, Producing skinless. J. L. Lewis. 2,627,466, Feb. 3.
Fraud prevention device. R. K. Thompson, Jr. 2,641,348, June 9.
Free coil line winder. P. P. Geraci. 2,644,648, July 7.
Free-flowing crystalline solids, Manufacture of. H. D. Merrill and C. J. Gaiser. 2,624,500, Jan. 6.
Free trip circuit breaker. R. C. Ingwersen. 2,625,625, Jan. 13.
Free wheel mechanism. L. Robin. 2,645,319, July 14.
Freewheeling clutch between a compressor turbine and an output turbine. A. T. Bowden, A. Muller, P. Kolb, W. Hryniszak, and O. Zadnick. 2,660,033, Nov. 24.
Freely translatable sliding door. B. J. Triller. 2,659,111, Nov. 17.
Freezemeter. J. W. Dickey, E. E. Hood, and L. L. Gerwig. 2,635,457, Apr. 21.
Freezemeter. J. W. Dickey and E. E. Hood. 2,635,458, Apr. 21.
Freezemeter. J. W. Dickey and E. E. Hood. 2,651,194, Sept. 8.
Freezer and freezing liquids, Shell. J. H. Lazar. 2,655,007, Oct. 13.
Freezer divider. O. B. Hafner. 2,627,993, Feb. 10.
Freezer evaporator, including check valve in header. F. A. Schumacher. 2,641,113, June 9.
Freezing apparatus. E. P. Wenzelberger. 2,657,549, Nov. 3.
Freezing machine. J. R. Watt. 2,639,594, May 26.
Freezing machine, Vertical pressure plate food. I. H. Polk. 2,632,312, Mar. 24.
Freezing mushrooms. H. R. Dadley. 2,653,930, Sept. 29.
Freezing plant. E. Wilbushewich. 2,643,524, June 30.
Freezing point tester. A. S. Chipley. 2,658,383, Nov. 10.
Frozen comestibles, Manufacture of. C. W. Decker. 2,641,546, June 9.
Frozen confection package and container therefor. J. Valenta. 2,627,472, Feb. 3.
Frozen food cabinet. Ernest E., G. E., and Ellsworth E. Sanders. 2,663,158, Dec. 22.
Frozen food indicator. C. L. Smith. 2,662,018, Dec. 8.
Frozen mix making device. P. Martin. 2,645,911, July 21.
Freight car. A. L. Simpson. 2,654,327, Oct. 6.
Freight car door lock. J. F. Bentley. 2,655,371, Oct. 13.
Freight handling system. B. A. Hainsworth. 2,642,197, June 16.
Frequency control apparatus, Automatic. H. L. Schultz. 2,640,156, May 26.
Frequency control for telegraph receivers. D. Leypold, H. Rudolph, and H. Jurgens. 2,641,650, June 9.
Frequency control system. D. S. Bond. 2,644,138, June 30
Frequency control system. S. I. Rambo. 2,640,155, May 26.
Frequency control system, Automatic. J. W. Lower. 2,631,239, Mar. 10.
Frequency control system for microwave relay terminal stations. B. F. Wheeler. 2,653,315, Sept. 22.
Frequency conversion system. G. S. Whidden. 2,664,501, Dec. 29.
Frequency converter system. B. S. Vilkomerson. 2,653,224, Sept. 22.
Frequency correction device. H. Stover. 2,641,709, June 9.
Frequency determining device. L. W. Boothby and F. C. Isely. 2,636,085, Apr. 21.
Frequency discriminator. O. B. Dutton. 2,654,841, Oct. 6.
Frequency discriminatory system. G. L. Fredendall. 2,651,673, Sept. 8.
Frequency divider. W. D. Houghton. 2,648,767, Aug. 11.
Frequency dividing circuit. J. K. Phelan. 2,653,236, Sept. 22.
Frequency division. T. H. Nakken. 2,660,708, Nov. 24.
Frequency generator. O. S. Field. 2,651,734, Sept. 8.
Frequency generator. F. S. Mabry. 2,648,006, Aug. 4.
Frequency meter. G. K. Jensen and J. E. McGeogh. 2,627,033, Jan. 27.
Frequency modulated torsional vibration analyzer. F. W. Chapman. 2,655,036, Oct. 13.
Frequency-modulating stabilized oscillators, Method and system for. L. E. Norton. 2,631,269, Mar. 10.
Frequency modulation detector. U. S. Berger. 2,664,505, Dec. 29.
Frequency modulation repeater. J. C. Schelleng. 2,659,813, Nov. 17.
Frequency modulation system. M. T. Reynolds. 2,644,924, July 7.
Frequency multiplier circuit. J. S. Russo. 2,664,510, Dec. 29.
Frequency or phase modulating system. M. G. Crosby. 2,657,359, Oct. 27.
Frequency oscillation modulator. A. S. Harris. 2,654,071, Sept. 29.
Frequency regulator. P. W. Franklin. 2,63 28.
Frequency regulator. H. G. Haas. 2,639,413,
Frequency response control means for high-fre pliflers. O. F. Cheney. 2,646,471, July 21.
Frequency response system. E. D. McArthur. June 2.
Frequency responsive apparatus. J. L. Barker, June 9.
Frequency selective network. G. V. Eltgroth. Mar. 31.
Frequency selector. W. S. Eaton. 2,632,52
Frequency-sensitive apparatus for indicatin nitude of a condition and limit indica therefor. C. G. Sontheimer. 2,664,556, D
Frequency shift diversity reception. H. O. P J. B. Atwood. 2,636,115, Apr. 21.
Frequency shift receiver. J. B. Atwood. 2,654
Frequency stabilizing circuit. A. B. Jacobsen. June 30.
Friction buffer for railway cars. G. E. Dath. Oct. 27.
Friction cathead. S. W. Long. 2,640,683–4,
Friction clutch. L. D. Stripling. 2,649,175,
Friction clutch. P. C. Vincent. 2,629,473, Fe
Friction device. J. G. Oetzel. 2,654,445, Oct. 6
Friction device for operating knobs in adjus ratus. H. A. Hilsinger, Jr. 2,660,904, Dec.
Friction disk, Lubricated. H. F. Hobbs. Nov. 17.
Friction drive and detent, Combined. R. 2,638,004, May 12.
Friction drive transmission for phonograph Plural speed. F. M. Slough. 2,646,688, J
Friction drive, Variable ratio. H. J. Wood. June 23.
Friction-driven sharpening device. R. 2,626,485, Jan. 27.
Friction element and forming same. E. C. B 2,640,795, June 2.
Friction element for disk brakes. J. C 2,656,020, Oct. 20.
Friction engaging device and control means th E. Carnagua and D. W. Kelbel. 2,638,185.
Friction heat generator. H. W. Love and S. 2,625,929, Jan. 20.
Friction ignitable composition for cigars and Preparing. A. Lorenzi. 2,634,199, Apr. 7.
Friction joint. T. O. Rueb. 2,636,759, Apr.
Friction latch. H. Ter Meer. 2,659,620, Nov.
Friction letoff for picker calenders. N. 2,648,100, Aug. 11.
Friction reducing apparatus for governor spin Appleby. 2,664,285, Dec. 29.
Friction shock absorbing mechanism for ra A. E. Dentler. 2,624,567, Jan. 6.
Friction shock absorbing mechanism for rai riggings. W. E. Withall. 2,649,212–13, A
Friction taxi lock for airplane cross-wind m wheels. E. Wolf. 2,629,571, Feb. 24.
Friction type exerciser, Push and pull. H. Re. 23,744, Nov. 24.
Friction vibration damping means for floor J. van der Heem. 2,648,856, Aug. 18.
Friedel-crafts isobutylene polymerizations in c alkane solution. J. S. Saylor, Jr. 2,644,809
Front apron adjusting mechanism for carry-ty H. A. Wagner. 2,642,681, June 23.
Front apron construction for carry-type earth F. Owen. 2,655,741, Oct. 20.
Front feed carriage for accounting machines. derson. 2,639,019, May 19.
Front feed paper gauge. W. A. Anderson. Jan. 27.
Front leaf control means for tilting front draw Swimmer. 2,635,609, Apr. 21.
Front stop assembly. A. J. Albrecht. 2,643,88
Front support members and bellows mounting photographic cameras. O. Steiner. 2,662,45
Front surface mirror improved by transparent overcoating. R. W. Boydston and A. 2,647,441, Aug. 4.
Front wheel mounting for mowers. W. 2,660,019, Nov. 24.
Froth flotation apparatus. P. L. Wigton. Aug. 11.
Froth flotation of iron-bearing minerals from ores. M. K. Banks. 2,633,241, Mar. 31.
Froth flotation of sylvinite ore. A. J. Weinig. Sept. 15.
Frothing agents for the flotation of ores. 2,657,800, Nov. 3.
Fruit-containing frozen confections and pro same. W. F. Talburt and D. G. Guadagni. Sept. 8.
Fruit cutting and juice extracting machine. 2,631,625, Mar. 17.
Fruit feeding, impaling, peeling, trimming, cell and splitting apparatus. W. B. Coons. Dec. 29.
Fruit gatherer. E. R. Doak. 2,643,754, June 3
Fruit gatherer apron. H. F. Brown. 2,649,68

Fruit handling machinery. G. W. Ashlock, Jr. 2,630,205, Mar. 3.
Fruit juice extractor. J. J. Mitnick. 2,655,862, Oct. 20.
Fruit juicer. T. G. Nelson. 2,629,317, Feb. 24.
Fruit picker device. L. L. Bernheim. 2,650,464, Sept. 1.
Fruit picking apparatus. G. E. Bullock. 2,661,587, Dec. 8.
Fruit pitting mechanism. P. E. Luther. 2,629,416, Feb. 24.
Fruit processing machine. G. A. Dunn. 2,657,725, Nov. 3.
Fruit product, Manufacture of a compounded. J. H. Forkner. 2,650,881, Sept. 1.
Fruit quartering device. P. Shpentuk. 2,629,168, Feb. 24.
Fruit splitter and pitter. T. M. Harrer. 2,629,417, Feb. 24.
Fruit stemming machine. J. G. Aguilar and W. A. Cox. 2,656,867, Oct. 27.
Fruit transport device for pitting machines. W. A. Doerling and W. E. Koenig. 2,635,662, Apr. 21.
Frusto-conical container. J. D. and E. M. Kvasnok, and A. B. Cutler. 2,656,969, Oct. 27.
Fryer, Deep. R. T. Keating. 2,655,144, Oct. 13.
Frying apparatus. K. L. Childs. 2,652,767, Sept. 22.
Fuel additive, Motor. W. S. Murray and J. R. Dyer, Jr. 2,628,895, Feb. 17.
Fuel and air control for industrial stoker drives. R. C. Wright. 2,627,238, Feb. 3.
Fuel and air delivery adjusting means for oil burners. J. F. Hirtz. 2,634,806, Apr. 14.
Fuel and preparing same. L. C. Fetterly. 2,630,405, Mar. 3.
Fuel and starting system for gas-turbine engines. D. H. Ballantyne. 2,630,675, Mar. 10.
Fuel blending agent and producing same, Aviation. M. R. Morrow. 2,626,893, Jan. 27.
Fuel burner. G. A. White and L. W. Williamson. 2,643,916, June 30.
Fuel burner and paint scraper, Fluid. R. A. Mangieri. 2,627,905, Feb. 10.
Fuel burner diffuser. R. C. Brierly. 2,638,974, May 19.
Fuel burner liner. D. Meyer. 2,646,376, July 21.
Fuel burning air heater. H. G. Beck. 2,631,580, Mar. 17.
Fuel carburetion system. J. W. F. Holl. 2,658,732, Nov. 10.
Fuel cell. J. A. Merrill. 2,657,884, Nov. 3.
Fuel cell, Self-sealing. R. H. Gerke. 2,626,882, Jan. 27.
Fuel cell supporting enclosure. L. J. Proebstle. 2,638,138, May 12.
Fuel cleanliness determination. F. L. Jonach, J. A. Wilson, and J. J. Heigl. 2,644,330, July 7.
Fuel composition containing N,N'-dimethyl phenylene diamine to prevent knocking. M. R. Barusch. 2,643,942, June 30.
Fuel control. R. W. Johnson. 2,643,061, June 23.
Fuel control apparatus for turbojet engines, Selective. R. A. Neal and P. C. Mangan. 2,649,906, Aug. 25.
Fuel control device. L. V. McCarty and R. L. Vicenzi. 2,627,911, Feb. 10.
Fuel control device for gas turbines and jet propulsion units. D. Reynolds, V. W. Greenhough, and R. R. Jamison. 2,634,579, Apr. 14.
Fuel control, Engine. D. J. Deschamps. 2,641,237, June 9.
Fuel control for gas turbine engines, Automatic. J. F Campbell. 2,637,374, May 5.
Fuel control for turbine power plants. A. V. D. Willgoos. 2,632,298, Mar. 24.
Fuel control for turbojet power plants, Selective. P. C. Mangan and R. A. Neal. 2,649,905, Aug. 25.
Fuel control, Furnace. J. O. Thorsheim. 2,633,864, Apr. 7.
Fuel control, Jet engine. K. J. Knudsen. 2,650,471, Sept. 1.
Fuel control safety valve. J. F. Armstrong and J. T. W. Moseley. 2,636,516, Apr. 28.
Fuel control system, Variable oil-gas. P. M. Dana. 2,648,499, Aug. 11.
Fuel controller, Jet engine. C. H. Jorgensen, W. T. Nickel, H. H. Dietrich, and D. P. Worden. 2,648,194, Aug. 11.
Fuel dilution device. C. Simon. 2,638,883, May 19.
Fuel dispensing device with rotatable nozzle communicating with venting and liquid dispensing openings. H. A. Mart. 2,625,304, Jan. 13.
Fuel-distance meter. F. Nieburg. 2,663,186, Dec. 22.
Fuel duration computer. K. C. Cummings. 2,656,977, Oct. 27.
Fuel economizing means for internal-combustion engines. E. R. Cox. 2,633,836, Apr. 7.
Fuel feed and power control device for gas turbines. E. O. Wirth and F. Barfod. 2,658,566, Nov. 10.
Fuel feed control, Electrical. J. W. Miller. 2,660,196, Nov. 24.
Fuel feed control for liquid fuel ranges. W. L. Gappa and C. E. Buerki. 2,625,991, Jan. 20.
Fuel feed device, Supplemental. D. E. Anderson, R. A. Kolonick, and W. Raymor. 2,642,082, June 16.
Fuel feed mechanism for gas burners, Time controlled. H. McDowell. 2,626,661, Jan. 27.
Fuel feeding and accessory system for motor vehicles. A. Rappl. 2,625,212, Jan. 13.
Fuel feeding apparatus. N. M. Reiners. 2,661,729, Dec. 8.
Fuel feeding apparatus with vibratory hopper. H. M. Thomson and C. E. Mudie. 2,640,629, June 2.
Fuel feeding apparatus for internal-combustion engines. H. L. Knudsen. 2,652,041, Sept. 15.
Fuel feeding apparatus, Magnetic. P. F. Rossmann. 2,645,279, July 14.
Fuel feeding device for internal-combustion engines. R. E. Glover. 2,628,634, Feb. 17.
Fuel filter. O. A. Wright, E. H. Goddard, and R. H. Cole. 2,630,228, Mar. 3.
Fuel gas from carbonaceous solids, Production of. J. C. Kalbach. 2,639,982, May 26.
Fuel gas treatment. P. W. Holthaus. 2,641,114, June 9.
Fuel ignition control. M. F. Peters. 2,639,408, May 19.
Fuel injection apparatus. M. J. Berlyn. 2,625,436, Jan. 13.
Fuel injection apparatus. L. O. French. 2,642,315, June 16.
Fuel injection apparatus. L. O. French. 2,662,476, Dec. 15.
Fuel injection apparatus. H. Hogeman. 2,624,327, Jan. 6.
Fuel injection apparatus. R. Lee. 2,655,140, Oct. 13.
Fuel injection apparatus for injection engines. T. Ono. 2,664,313, Dec. 29.
Fuel injection device. F. De Luca. 2,628,570, Feb. 17.
Fuel injection device. G. B. Wood, Jr. 2,639,193, May 19.
Fuel injecting device for internal-combustion engines. T. N. Saaty. 2,646,976, July 28.
Fuel injection for internal-combustion engines. G. M. Holley, Jr. 2,659,309, Nov. 17.
Fuel injection method. M. J. Berlyn. 2,625,141, Jan. 13.
Fuel injection pump. R. A. Lasley. 2,633,084, Mar. 31.
Fuel injection pump. W. J. Purchas, Jr. and C. W. Truxell, Jr. 2,628,866, Feb. 17.
Fuel injection system. C. R. Alden. 2,653,584, Sept. 29.
Fuel injector. M. J. Berlyn. 2,647,015–16, July 28.
Fuel injector. W. H. Mashinter. 2,630,761–2, Mar. 10.
Fuel injector. J. D. Tucker. 2,645,182, July 14.
Fuel injector apparatus for diesel engines. H. M. and A. F. Kolstee, and J. E. Tuscher. 2,635,922, Apr. 21.
Fuel injector for internal-combustion engines. E. L. Straub. 2,624,284, Jan. 6.
Fuel metering control for injection carburetors. O. R. Cedarholm. 2,653,804, Sept. 29.
Fuel metering system. I. H. Edelfelt and D. E. Garr. 2,627,718, Feb. 10.
Fuel metering system for internal-combustion engines. C. L. Johnson. 2,627,906, Feb. 10.
Fuel mileage indicator. W. J. Sturtz. 2,649,709, Aug. 25.
Fuel oils. C. H. Braithwaite, Jr., G. A. Martin, and R. E. Sutton. 2,657,984, Nov. 3.
Fuel oils and naphthenic acid soaps, Production of. C. R. Turner. 2,656,380, Oct. 20.
Fuel oil composition. H. J. Andress, Jr. 2,658,823, Nov. 10.
Fuel oil composition. C. Wies, J. B. R. Caron, and E. B. Glendenning. 2,626,207, Jan. 20.
Fuel oil compositions, Anticlogging. E. B. Glendenning, C. Wies, and J. B. R. Caron. 2,639,227, May 19.
Fuel oil compositions, Stable. E. Mitchell and A. P. Cramp. 2,654,660, Oct. 6.
Fuel production, Gaseous. L. P. Evans. 2,662,005, Dec. 8.
Fuel pump. A. M. Babitch. 2,640,424, June 2.
Fuel pump. I. E. Coffey. 2,625,114, Jan. 13.
Fuel pump. W. V. Falcon. 2,641,196, June 9.
Fuel pump. K. I. Robinson and C. Cipriani. 2,625,113, Jan. 13.
Fuel pump. V. D. Roosa. 2,641,238, June 9.
Fuel pump delivery valve. W. M. Nichols. 2,656,851, Oct. 27.
Fuel pump diaphragm mounting. W. Lamb. 2,661,767, Dec. 8.
Fuel safety shutoff. W. O. Wolford. 2,624,359, Jan. 6.
Fuel shutoff system, Safety. C. MacSporran. 2,632,430, Mar. 24.
Fuel, Stabilized motor. E. F. Hill. 2,635,042, Apr. 14.
Fuel strainer and atomizer for internal-combustion engines. H. Goldman. 2,657,123, Oct. 27.
Fuel supply apparatus for internal-combustion engines. M. J. Berlyn and J. J. Broderick. 2,642,806, June 23.
Fuel supply control, Engine speed regulating. F. J. Abraham. 2,631,658, Mar. 17.
Fuel supply control for air-atomizing oil burners. H. F. Tapp and R. M. Cochrane. 2,637,375, May 5.
Fuel supply control system for intermittent jet engines. J. M. Barr. 2,638,739, May 19.
Fuel supply device. J. T. W. Moseley and H. A. Carlson. 2,635,625, Apr. 21.
Fuel supply, Emergency. C. F. Schorn, W. S. Bobier, Jr., and A. W. Orr, Jr. 2,633,188, Mar. 31.
Fuel supply means for jet engine afterburners, Centrifugal. W. H. Brown. 2,659,196, Nov. 17.
Fuel supply system. J. C. Balsch. 2,649,084, Aug. 18.
Fuel supply system. P. H. Stokes, A. A. Avenell, and P. Mitchell. 2,637,273, May 5.
Fuel supply system, Emergency. C. F. Schorn. 2,639,584, May 26.
Fuel supply system, Jet engine. W. C. Trautman and A. A. Meddock. 2,626,655, Jan. 27.
Fuel supply system with emergency switching means. F. H. Carey. 2,638,973, May 19.
Fuel supplying means for jet engines. J. J. Wall. 2,632,294, Mar. 24.

Fuel supplying means using crankcase pressure developed in a two-cycle engine for delivering fuel to the carburetor. W. C. Conover. 2,656,828, Oct. 27.
Fuel system. F. J. Boyer. 2,640,423, June 2.
Fuel system. S. B. Smith, Jr. 2,633,187, Mar. 31.
Fuel system for aircraft propulsion means. J. Johnson. 2,652,686, Sept. 22.
Fuel system for gas turbine engines. K. R. Davies and K. Herbstritt. 2,664,152, Dec. 29.
Fuel system for gas-turbine engines. S. G. Hooker. 2,629,982, Mar. 3.
Fuel system for gas turbine engines and the like with main and pilot fuel injectors. D. H. Ballantyne and A. Jubb. 2,636,553, Apr. 28.
Fuel system for gas-turbine engines with means to maintain the fuel supply within desired limits during transient operating conditions. A. Jubb. 2,643,514, June 30.
Fuel system for ram jets. N. C. Price. 2,663,140, Dec. 22.
Fuel system, including diaphragm valves, Carburetor. S. P. Jones. 2,645,466, July 14.
Fuel-system testing device. W. W. Rocklen. 2,662,398, Dec. 15.
Fuel tank. G. R. Ericson. 2,628,673, Feb. 17.
Fuel tank. T. C. Noon and R. J. Anderson. 2,654,553, Oct. 6.
Fuel tank filler, Engine. D. D. Speer. 2,661,886, Dec. 8.
Fuel tank panel. K. R. Henry. 2,629,680, Feb. 24.
Fuel transferring apparatus. E. W. Rinne. 2,650,747, Sept. 1.
Fuel unit, Two-stage. W. R. Kiefer. 2,657,632, Nov. 3.
Fuel valve and nozzle for internal-combustion engines. A. O. J. Larborn. 2,625,435, Jan. 13.
Fuel valve timing gauge. U. P. Cole. 2,662,298, Dec. 15.
Fueling device. A. T. Scheiwer. 2,638,916, May 19.
Fulcrum grab. C. A. Sonderstrup. 2,646,305, July 21.
Full-floating brake. F. W. Hunyady. 2,657,768, Nov. 3.
Full powered control system, Dual source. T. A. Feeney and A. R. Vogel. 2,638,736, May 19.
Fumagillin and preparation. F. R. Hanson and T. E. Eble. 2,652,356, Sept. 15.
Fumaryl chloride, Preparing. S. M. Spatz. 2,653,168, Sept. 22.
Fumbleless lamp switch. G. Brenton. 2,654,817, Oct. 6.
Fume disposal system. J. P. Engel. 2,656,008, Oct. 20.
Fume hood. H. S. Morrow. 2,627,220, Feb. 3.
Fumigant composition and process. K. S. Karsten. 2,651,590, Sept. 8.
Fumigant compositions containing completely halogenated bromochloromethanes having at least two chlorine atoms. J. A. Pianfetti, R. Melvin, and H. H. Earle, Jr. 2,652,337, Sept. 15.
Function generator. P. Glass. 2,649,542, Aug. 18.
Function unit. G. R. Stibitz. 2,650,500, Sept. 1.
Functional type house. H. S. and I. G. Clark. 2,625,714, Jan. 20.
Fungal amylase from butanol-acetone fermentation stillage, Preparing. S. C. Beesch. 2,641,568, June 9.
Fungi and bacteria resistant polyvinyl halide compositions. J. R. Darby. 2,632,746–7, Mar. 24.
Fungicidal composition and using same. P. G. Benignus. 2,637,661, May 5.
Fungicidal compositions and method of fungus control comprising hydrocarbyl-substituted pyrimidines. S. A. Ballard. 2,649,397, Aug. 18.
Fungicidal salts of alkylene bisdithiocarbamic acid. W. F. Hester. Re. 23,742, Nov. 24.
Fungicides. N. Ercoli and G. van Wessem. 2,652,355, Sept. 15.
Funnel for beverage vending machines, Mixing. L. K. Rudd and K. C. Melikian. 2,653,733, Sept. 29.
Funnel with leg supports, Fuel dehydrating and straining. T. Johnston. 2,649,966, Aug. 25.
Funnel with smoke-directing provisions, Ship's. E. F. J. Lascroux. 2,646,746, July 28.
Fur blowing and mixing. J. E. Kane. 2,646,598, July 28.
Fur treating machine. S. Friedman. 2,633,731, Apr. 7.
Furring hanger. V. Jacobson. 2,631,809, Mar. 17.
Furans and preparation. M. W. Goldberg and A. I. Rachlin. 2,641,601, June 9.
Furans and production. M. W. Goldberg and A. I. Rachlin. 2,641,597, June 9.
Furans, Preparation of. F. E. Condon and E. E. Burgoyne. 2,650,236, Aug. 25.
Furfural extraction process. F. E. Gilmore. 2,654,792, Oct. 6.
Furnace: *See*—
- Air heating furnace.
- Centrifugal reverberatory furnace.
- Charging electric furnace.
- Continuous furnace.
- Controlled atmosphere annealing furnace.
- Conveyer furnace.
- Electric arc melting furnace.
- Electric eddy current furnace.
- Electric induction furnace.
- Electric melting furnace.
- Fluid cooled furnace.
- Forced air flow air heating furnace.
- Forced downward air flow air-heating furnace.
- Gas fired air-heating furnace.
- Gas fired forced air flow air heating furnace.
- Glass induction furnace.
- Hearth furnace.
- Hearth type furnace.
- Heat saving furnace.
- Heat-treating furnace.
- High-frequency furnace.
- Induction furnace.
- Internal air chamber air-heating furnace.
- Melting furnace.
- Muffle furnace.
- Muffle type furnace.
- Open hearth furnace.
- Ore treating furnace.
- Oscillatory, direct - fired, stack-loaded melting furnace.
- Radiant tube furnace.
- Resistance furnace.
- Retort type sealed frequency furnace.
- Reverberatory furnace.
- Shaft furnace.

Furnace. P. Blanchard. 2,659,588, Nov. 17.
Furnace. P. B. Greger. 2,653,582, Sept. 29.
Furnace. L. M. Harris. 2,654,592, Oct. 6.
Furnace and control system for gaseous and burners. H. E. Schlenz. 2,635,813, Apr. 21.
Furnace and draft hood assembly, Gas. S. 2,639,706, May 26.
Furnace and evaporator, Reaction. W. S. J. E. Viscardi. 2,640,532, June 2.
Furnace and gas generator, Combination heat- W. Munford. 2,630,315, Mar. 3.
Furnace and process for electrically melting König. 2,659,764, Nov. 17.
Furnace and process of operation, High-temp- tric. O. Bretschneider. 2,657,247, Oct. 27
Furnace arch construction. C. F. Pollen. June 9.
Furnace atmosphere indicator. E. P. Anderson May 26.
Furnace black pelletizing process. L. J. Venuto May 19.
Furnace carbon black, Manufacture of. W. 2,652,313, Sept. 15.
Furnace charging apparatus. R. Gordon. Dec. 8.
Furnace construction. H. M. Weir. 2,625,1
Furnace control, Hot-air. W. A. Ray. 2,642,2
Furnace control system. F. O. Hess and 2,664,283, Dec. 29.
Furnace conveyer element. M. N. Ornitz and lish. 2,663,558, Dec. 22.
Furnace door. O. L. Braun. 2,645,211, July
Furnace end structure. J. M. Brashear. 2,661
Furnace feeding apparatus. J. E. Dunasky Foell. 2,636,606, Apr. 28.
Furnace firing door for entrapping and rele gases. L. L. Lowe. 2,641,209, June 9.
Furnace for above and below floor mounting, P. P. Scheurer. 2,658,503, Nov. 10.
Furnace for burning solid fuels such as bitu and derivatives thereof. J. A. Worsham Oct. 6.
Furnace for contacting a gas and fluidized tion. F. L. Symonds. 2,656,258, Oct. 20.
Furnace for discrete solids, Processing. J. 2,639,132, May 19.
Furnace for heating crucibles and the like. ley. 2,656,171, Oct. 20.
Furnace for hot band rolling, Reeling. J. Sch Frielinghaus. 2,628,790, Feb. 17.
Furnace for house trailers and the like, S hot-air. E. E. Little. 2,625,150, Jan. 13
Furnace for making glass. P. Arbeit. 2,636,
Furnace for metallurgical purposes, Turning. 2,654,591, Oct. 6.
Furnace for molten metal. A. W. Lillienberg Aug. 11.
Furnace for producing physical and chemica granular materials. H. A. Stein. 2,633,3
Furnace for the heat treatment of materia Jones. 2,638,334, May 12.
Furnace having a downwardly directed h Floor. W. M. Wallis. 2,630,110, Mar. 3.
Furnace monkey, Blast. J. B. Casey and G. man. 2,657,922, Nov. 3.
Furnace roller and making it. K. E. Fitz Mar. 24.
Furnace roof. F. Hönig. 2,659,327, Nov. 17
Furnace skewback-channel cooler. W. 2,632,428, Mar. 24.
Furnace structure, Joist-suspended. T. 2,654,360, Oct. 6.
Furnace system for bituminous coals, Downfi W. J. Hatton and R. A. Sherman. 2,653,55
Furnace wall construction, Boiler. W. 2,648,315, Aug. 11.
Furnace with baffled annular air-heating pas heating. D. A. Marro. 2,646,033, July 21
Furnace with honeycomb baffle wall. J. 2,624,301, Jan. 6.
Furnace with internal air heating conduit, C heating. E. F. Fromme. 2,646,791, July 2
Furnace with preheater, Inductively heated e tact. C. C. Schörg. 2,644,881, July 7.
Furnace with removable heating unit, Floor. 2,625,151, Jan. 13.
Furnaces, Carbon black. E. B. Miller. 2,6 18.
Furnishing refrigeration to mobile units, K. C. Merkling. 2,630,688, Mar. 10.
Furniture. J. Staartjes. 2,637,045, May 5.
Furniture article, Convertible. C. R. 2,628,659, Feb. 17.

Furniture, Article of. L. T. Holden. 2,635,255, Apr. 21.
Furniture, Article of. H. B. Lasting. 2,627,616, Feb. 10.
Furniture, Article of. D. Rozaffy. 2,645,545, July 14.
Furniture base, Convertible. H. V. Frye. 2,635,023, Apr. 14.
Furniture, Collapsible. O. B. Marshall and B. F. Adams. 2,649,141, Aug. 18.
Furniture, Combination. D. G. Bryant. 2,631,302, Mar. 17.
Furniture, Combination article of. N. Goodrich. 2,649,349, Aug. 18.
Furniture construction. A. W. Nemmer. 2,653,651, Sept. 29.
Furniture construction. S. N. Swartz. 2,640,202, June 2.
Furniture construction, Tubular. W. N. Brown. 2,643,706–7, June 30.
Furniture, Convertible. A. B. and C. L. Culbertson. 2,645,273, July 14.
Furniture, Convertible article of. D. A. Lipka. 2,634,792, Apr. 14.
Furniture, Convertible article of. H. Pollack and D. Brand. 2,644,506, July 7.
Furniture, Convertible nursery. R. W. Brown. 2,627,298, Feb. 3.
Furniture glide. R. E. Dolan. 2,633,599, Apr. 7.
Furniture, Knockdown bent wood. N. M. Kreizelman. 2,640,527, June 2.
Furniture made of stamped or molded material and adapted for nesting. C. C. Lamb. 2,642,118, June 16.
Furniture, Metal. W. F. Grabendike. 2,642,126, June 16.
Furniture, Metal. B. F. Hamilton. 2,656,881, Oct. 27.
Furniture post end construction. G. A. Tinnerman. 2,654,620, Oct. 6.
Furniture provided with drawers. H. Holderegger. 2,650,871, Sept. 1.
Furniture, Reclining article of. A. Lorenz. Re. 23,635, Mar. 24.
Furniture, Reclining article of. A. Lorenz. 2,650,649, Sept. 1.
Furniture, Reclining article of. F. Richardson. 2,647,559, Aug. 4.
Furniture, Sectional. R. A. Little. 2,661,993, Dec. 8.
Furniture, Sectional article of. H. Saint-Maurice. 2,644,511, July 7.
Furniture shock mount construction. C. Eames. 2,649,136, Aug. 18.
Furniture, Store wall. A. Vanderveld. 2,626,198, Jan. 20.
Furniture, Store wall. A. Vanderveld and C. F. Logie. 2,643,170, June 23.
Furniture structure, marquetry with fabric. J. Furman. 2,638,971, May 19.
Furniture top to frame connections. W. J. Bargen. 2,657,965, Nov. 3.
Furo and thieno quinaldines and making same. H. Andersag and H. Timmler. 2,650,226, Aug. 25.
Further aminized aminoalkylated celluloses by reacting with ethylenimine. G. L. Drake, Jr. and J. D. Guthrie. 2,656,241, Oct. 20.
Fuse: *See*—
Fuze.
Fuse. R. Apothéloz. 2,641,186, June 9.
Fuse. S. S. Podnos, S. J. Odierno, Jr., and P. H. Thompson. 2,626,568, Jan. 27.
Fuse, Acceleration switch delayed arming. D. H. Gleason. 2,642,801, June 23.
Fuse adapter plug. C. E. Eggers. 2,640,126, May 26.
Fuse and adaptor plug for electrical appliances, Safety. H. Shapiro. 2,636,097, Apr. 21.
Fuse and demand meter, Combined. H. W. Mertens. 2,654,068, Sept. 29.
Fuse and indicator, Combined. H. H. Mohring. 2,652,466, Sept. 15.
Fuse and manufacturing same, Cartridge-type electrical. A. P. Jurgensen. 2,659,790, Nov. 17.
Fuse, Automatic mercury switch. I. Shamah. 2,644,054, June 30.
Fuse, Cable safety. E. C. Whitfield. 2,658,125, Nov. 3.
Fuse, Cartridge. L. Detch. 2,644,871, July 7.
Fuse, Cartridge. L. Detch. 2,662,141, Dec. 8.
Fuse, Circuit interrupting. J. Nivoix. 2,662,952, Dec. 15.
Fuse clip. G. L. Webb and E. Loro. 2,659,063, Nov. 10.
Fuse, Current-limiting. F. J. Kozacka. 2,653,203, Sept. 22.
Fuse cutout. K. O. Hanks, Jr. 2,629,795, Feb. 24.
Fuse cutout. J. M. Wallace and E. F. Beach. 2,644,055, June 30.
Fuse cutout. J. M. Wallace and A. W. Edwards. 2,648,737, Aug. 11.
Fuse cutout and switch, Combination. R. H. Amundson. 2,663,825, Dec. 22.
Fuse cutout and switch, Combination. W. D. Kyle, Jr. 2,662,947, Dec. 15.
Fuse, Electric. J. E. Cox. 2,639,350, May 19.
Fuse, Electric. B. W. Jones. 2,644,059, June 30.
Fuse, Grenade. A. F. M. Diels. 2,646,750, July 28.
Fuse, High-voltage. H. H. Fahnoe. 2,656,435, Oct. 20.
Fuse holder. R. C. Barker. 2,662,953, Dec. 15.
Fuse holder. C. W. Heath. 2,648,740, Aug. 11.
Fuse, Hydraulic break. R. L. Stevenson. 2,657,706, Nov. 3.
Fuse, Hydrostatic tail. R. L. Graumann. 2,652,777, Sept. 22.
Fuse, Indicating. H. H. Fahnoe. 2,648,738, Aug. 11.
Fuse link, Renewable. F. G. von Hoorn. 2,644,060, June 30.
Fuse mechanism for projectiles, Mechanical time. G. Hoenger. 2,664,046, Dec. 29.
Fuse plug for outlet connections, Extension cord. J. Silver. 2,650,279, Aug. 25.
Fuse, Renewable. G. F. Laing. 2,644,872, July 7.
Fuse, Resilient end washer renewable. F. G. von Hoorn. 2,650,283, Aug. 25.
Fuse, Reuseable plug. O. C. Larson, Sr. 2,639,351, May 19.
Fuse setting apparatus. E. F. Campbell, G. W. Kinzelman, and A. J. Stanton. 2,642,778, June 23.
Fuse, Sheathed. P. H. Thompson. 2,639,669, May 26.
Fuse, Supercurrent. F. J. Kozacka. 2,662,140, Dec. 8.
Fuse switch. V. Hellstern. 2,636,954, Apr. 28.
Fuse, Tamper resisting. F. G. von Hoorn. 2,626,300, Jan. 20.
Fuse with porous metal ends, Renewable. F. G. von Hoorn and H. B. Bennett. 2,652,467, Sept. 15.
Fused circuit plug-in receptacle. F. Di Blasi. 2,636,096, Apr. 21.
Fused connecting attachment. S. H. Melnick and W. Rusnak. 2,627,001, Jan. 27.
Fused drop-out cutout. D. C. Hubbard and W. L. Hollander. 2,629,794, Feb. 24.
Fused electric connector. M. J. Marcus. 2,649,522, Aug. 18.
Fused electrical connector. J. F. Conrad. 2,636,956, Apr. 28.
Fused, polarized, blade-type electrical coupling. C. R. Curtis. 2,644,056, June 30.
Fused, polarized, male to female blade-type adapter. C. R. Curtis. 2,644,057, June 30.
Fused reduced titania-zirconia product and method. W. B. Blumenthal. 2,653,107, Sept. 22.
Fused salt electrolysis cell. J. V. Carlisle. 2,648,631, Aug. 11.
Fusee compositions, Producing. H. C. Clauser and R. S. Long. 2,640,771, June 2.
Fuses, High current carrying capacity current-limiting. F. J. Kozacka. 2,658,974, Nov. 10.
Fusible extension cord plug. A. G. Bauer. 2,640,184, May 26.
Fusing thermoplastic fabric sheets to each other. J. Cadigene. 2,625,497, Jan. 13.
Fusion apparatus, Fractional. F. P. Vance, Jr. 2,632,314, Mar. 24.
Fusion reactions, especially including production of phenols. J. F. Adams, R. L. Bauer, and G. E. Taylor. 2,632,028, Mar. 17.
Fuselage embracing hangar door. A. D. Margison. 2,651,359, Sept. 8.
Fuze: *See*—
Fuse.
Fuze. J. D. Jordan. 2,655,867, Oct. 20.
Fuze. J. Rosselet. 2,650,541, Sept. 1.
Fuze, Delay arming. H. Berzof and F. A. Rogers. 2,651,993, Sept. 15.
Fuze, Grenade all-ways. D. C. Knowlton. 2,644,399, July 7.
Gain control circuit. P. S. Christaldi. 2,631,200, Mar. 10.
Gain control system, Automatic. L. J. Mattingly. 2,653,226, Sept. 22.
Gain control system, Automatic. H. Ruben. 2,638,538, May 12.
Gain control system for seismic amplifiers. G. B. Loper. 2,656,422, Oct. 20.
Gain measuring device. R. C. Allen and J. Millman. 2,653,310, Sept. 22.
Gallery construction for double-deck railway cars. A. G. Dean. 2,636,453, Apr. 28.
Galvanic cell. H. P. H. Walz. 2,646,458, July 21.
Galvanizing apparatus. W. S. Pearson. 2,642,834, June 23.
Galvanizing machine extracting mechanism. C. E. Brownell. 2,646,772, July 28.
Galvanometer. F. W. Side. 2,626,296, Jan. 20.
Galvanometer having balanced coil assembly. M. E. Morrow. 2,646,546, July 21.
Galvanometer, Induction. R. W. Gilbert. 2,650,348, Aug. 25.
Galvanometer, Oscillograph. M. E. Morrow. 2,651,756, Sept. 8.
Galvanometer, Pencil. W. S. Staff. 2,633,480, Mar. 31.
Galvanometer, Torque compensated. W. M. Powell. 2,640,866, June 2.
Gambrel, Butcher's. T. J. Blosick. 2,629,128, Feb. 24.
Game apparatus. W. J. Albee. 2,659,163, Nov. 17.
Game apparatus. R. U. Bronson. 2,627,412, Feb. 3.
Game apparatus. C. R. Endriss. 2,630,322, Mar. 3.
Game apparatus, Ball control. R. J. Lohr and R. N. Carver. 2,634,129, Apr. 7.
Game apparatus, Card. J. Lipschitz. 2,655,736, Oct. 20.
Game apparatus, Coin-operated table tennis. V. L. Mott. 2,632,546, Mar. 24.
Game apparatus, Driving skill test. J. W. Zimmer. 2,650,094, Aug. 25.
Game apparatus, Electrical. J. M. Prentice. 2,628,101, Feb. 10.
Game apparatus, Electromagnetic pickup stick. E. Levay. 2,636,737, Apr. 28.

Game apparatus, Football target. H. E. Kenney and A. H. Seidler. 2,647,747, Aug. 4.
Game apparatus for simulating a roller derby. R. F. Barash. 2,653,027, Sept. 22.
Game apparatus, Horse racing. A. J. Brost. 2,658,760, Nov. 10.
Game apparatus, Mechanical card. J. R. McMahon. 2,645,493, July 14.
Game apparatus of the shuffleboard type, Amusement. D. W. Price. 2,656,189, Oct. 20.
Game apparatus, Race. I. Levenstein and C. A. Sklar. 2,635,877, Apr. 21.
Game apparatus, Racing. P. J., R., and J. Haynes. 2,631,853, Mar. 17.
Game apparatus, Racing. A. G. Rose. 2,661,214, Dec. 1.
Game apparatus, Rotary block. D. F. Smalley. 2,628,838, Feb. 17.
Game apparatus, Shuffleboard type. L. A. Durant. 2,645,492, July 14.
Game apparatus, Variable racing. A. F. Burkardt. 2,650,828, Sept. 1.
Game, Ball actuated racing. T. C. Bartlam, B. R. Burke, D. R. Wiser, and V. C. Engstrom. 2,627,411, Feb. 3.
Game, Baseball. T. Burgess. 2,645,489, July 14.
Game board and clues, Treasure hunt. R. B. Cooney. 2,635,881, Apr. 21.
Game board and pegs, Travel. H. J. Ferling. 2,655,381, Oct. 13.
Gameboard stand. W. F. McNamara. 2,628,839, Feb. 17.
Game chip holder. W. B. Petzold. 2,645,352, July 14.
Game, Dart. L. H. Barringer, Jr. 2,647,748, Aug. 4.
Game device, Alphabet. H. H. Okahara. 2,624,127, Jan. 6.
Game device, Punchboard. V. K. Smith. 2,654,607, Oct. 6.
Game device, Racing. R. N. Francis. 2,630,320, Mar. 3.
Game device, Racing. H. J. Murphy. 2,641,472, June 9.
Game device, Surface projected disk. J. E. Beck and E. B. Lipski. 2,634,130, Apr. 7.
Game device, Word. F. C. Meeder. 2,648,143, Aug. 11.
Game, Electrical scoring. J. T. Clark and O. J. Schommer. 2,626,312, Jan. 20.
Game having energizable signals, Magnetic dart. H. J. Volman. 2,645,491, July 14.
Game, Helical runway ball. H. F. Petterson. 2,664,291, Dec. 29.
Game, Horse racing. A. R. Zaichick. 2,631,041, Mar. 10.
Game indicating card table top. H. L. Schroeder. 2,624,583, Jan. 6.
Game instruction apparatus. R. S. Bucher. 2,643,466, June 30.
Game, Marble. M. Engle. 2,655,380, Oct. 13.
Game, Marble board dice. E. K. Mentzer. 2,646,986, July 28.
Game net end member. J. L. Stapleton. 2,638,346, May 12.
Game piece moving means. J. C. Elder. 2,658,757, Nov. 10.
Game piece with punch. G. F. Wales. 2,651,521, Sept. 8.
Game, Quiz card. E. R. Conger. 2,652,635, Sept. 22.
Game, Race horse. O. H. Carpenter. 2,634,981, Apr. 14.
Game scoring device and ash tray. R. G. Mulder. 2,627,374, Feb. 3.
Game, Simulated baseball. H. J. Volman. 2,631,854, Mar. 17.
Game, Table. F. C. Miller. 2,655,379, Oct. 13.
Game, Target baseball. R. Burrell. 2,657,931, Nov. 3.
Game with ball-operated gates. P. J. Ragusin. 2,651,520, Sept. 8.
Gamma control. A. V. Bedford. 2,627,547, Feb. 3.
Gamma-morpholinopropyl cinnamate salt of penicillin. H. W. Rhodehamel, Jr. 2,654,742, Oct. 6.
Gang punch. N. S. Welk. 2,637,397, May 5.
Gantry and gate for starting race horses. D. L. Alloway. 2,655,899, Oct. 20.
Gap filler used for irrigation purposes. L. G. Rinderknecht. 2,643,600, June 30.
Gap frame press. E. K. Johansen. 2,656,028, Oct. 20.
Gapping machine, Spark plug. L. M. Oden, Sr. 2,664,135, Dec. 29.
Garage, air-raid shelter, or the like. F. Caiola. 2,663,437, Dec. 22.
Garage, All ramp. P. H. Burn and A. G. Lorimer. 2,659,109, Nov. 17.
Garage, Parking. H. Hornick. 2,631,743, Mar. 17.
Garage, Semiautomatic parking. V. C. Bowser. 2,663,436, Dec. 22.
Garbage can cover lock. H. F. Zehnder. 2,661,974, Dec. 8.
Garbage can holder. G. S. Platt. 2,650,786, Sept. 1.
Garbage can rack. C. O. Grimsley. 2,634,933, Apr. 14.
Garbage can safety lock. A. C. Frey. 2,636,639, Apr. 28.
Garbage can support. S. Brustein. 2,661,921, Dec. 8.
Garbage disposal. J. H. Benson. 2,627,075, Feb. 3.
Garbage disposal apparatus. J. R. Backlund and V. E. Flanders. 2,656,985, Oct. 27.
Garbage disposal apparatus. K. M. Hammell. 2,661,909, Dec. 8.
Garbage disposal device. E. G. Brown and D. W. Miller. 2,624,515, Jan. 6.
Garbage disposal device. H. M. Clark and R. A. Dahlstrom. 2,631,297, Mar. 17.
Garbage disposal device. D. W. Miller. 2,628,24.
Garbage disposal unit. M. J. Green. 2,646,22
Garbage disposal unit. C. D. Russell. 2,655,96
Garbage disposal unit. A. D. Stickney. Sept. 15.
Garbage grinder control mechanism. J. Drew. June 16.
Garbage pail holder. E. Rice and V. E. Fisher. June 16.
Garbage receptacle. J. R. Borst. 2,648,495, A
Garbage vehicle. G. T. Gibson and W. H. W 2,648,452, Aug. 11.
Garden cutting tool. W. E. Seymour. 2,635,33
Garden hose reel. T. Shine. 2,642,312, June 1
Garden hose stake. C. P. Whitlock. 2,657,012,
Garden marker. L. M. Cleal. 2,625,760, Jan.
Garden tool. W. K. Foulke. 2,639,935, May 26.
Garden tool. J. H. Schmidt. 2,650,530, Sept. 1
Gardenia support. D. S. Shinoda. 2,641,086, J
Garment. M. E. and G. F. Brent. 2,638,594, M
Garment. E. Engel. 2,643,385, June 30.
Garment. P. Goebel. 2,638,595, May 19.
Garment. B. V. Gould. 2,640,196, June 2.
Garment. R. Granne. 2,624,049, Jan. 6.
Garment. F. J. Gross. 2,657,389, Nov. 3.
Garment. H. S. Heilbronner. 2,642,570, June
Garment. E. F. McGrath. 2,659,086, Nov. 17.
Garment. M. Racz. 2,655,660, Oct. 20.
Garment, Adjustable diaper. M. M. Nielson. Mar. 3.
Garment and article hanger. R. Peacock. June 2.
Garment and cargo pocket therefor, Body. C. and R. L. Woodbury. 2,663,876, Dec. 29.
Garment and like press. J. Simpson, Jr. Dec. 29.
Garment and like presses. S. Newbery. 2,65 27.
Garment and making the same, Apparel. M. G. 2,646,569, July 28.
Garment and safety harness, Combination. 2,635,245, Apr. 21.
Garment and sleeping bag, Combined. A. 2,644,948, July 14.
Garment, Armored. R. W. Ehlers. 2,640,987,
Garment, Baby. L. A. Kay. 2,657,689, Nov.
Garment bag. B. Levine. 2,644,589, July 7.
Garment bag. D. Rubin. 2,631,720, Mar. 17.
Garment bag. W. Stern. 2,639,028, May 19.
Garment bag having an extensible top suppo Mintz and F. L. Muller. 2,645,541, July 14.
Garment bag supporting and elevating device. chlonda. 2,628,755, Feb. 17.
Garment, Body supporting. A. Trznadel. Nov. 17.
Garment, Breast pad holding. E. N. Day. Dec. 8.
Garment, Bust-supporting. M. R. Williams. Apr. 28.
Garment button, Readily applicable and remova Tworek. 2,656,578, Oct. 27.
Garment catcher for ironing boards, Antisoili Baker. 2,635,369, Apr. 21.
Garment, Child's. G. W. Geissmann. 2,654,0
Garment, Child's. P. B. Schor. 2,627,604, Fe
Garment, Child's. E. E. Shiltong. 2,649,589,
Garment, Child's overall. M. L. Miles. 2,661,4
Garment construction. G. F. Miller. 2,661,4
Garment construction. L. T. Shalda. 2,628,3
Garment construction. A. Teitelbaum. 2,637,0
Garment construction and method therefor, Pre L. Becker. 2,636,181, Apr. 28.
Garment covering device with motor-driven b R. P. Ingraham. 2,649,233, Aug. 18.
Garment display device. M. Aichberger. 2,62 24.
Garment display form. I. P. Smith. 2,657,84
Garment, Disposable insert panty. O. 2,660,173, Nov. 24.
Garment drier. A. O. Lovelace. 2,629,183, Fe
Garment for bathing suits, Protective. L 2,634,421, Apr. 14.
Garment for infants, Sleeping. G. R. 2,651,781, Sept. 15.
Garment for retaining infants against displace a support. I. Tucker. 2,657,688, Nov. 3.
Garment for supporting sanitary napkins an Nether. M. S. Smythe. 2,638,095, May 12.
Garment for women, Foundation. M. L. 2,648,068, Aug. 11.
Garment form retainer. F. Y. Sherbondy. June 9.
Garment, Foundation. L. O. Allen. 2,652,566
Garment, Foundation. G. L. Diebold. 2,659,88
Garment, Foundation. O. Erteszek. 2,663,87
Garment, Foundation. H. M. Herbener. 2,653 29.
Garment, Foundation. A. J. Kaplan. 2,634,41
Garment, Foundation. M. Laguzzi. 2,628,354–
Garment, Foundation. B. Lewis. 2,644,945, Ju
Garment, Foundation. B. Lewis. 2,651,037, S

Garment, Foundation. W. A. Rook. 2,629,098, Feb. 24.
Garment hanger. C. N. Bergstrom. 2,650,006, Aug. 25.
Garment hanger. H. C. Cook, Sr. 2,656,954, Oct. 27.
Garment hanger. R. L. Fortner and H. L. Perrin. 2,633,277, Mar. 31.
Garment hanger. R. E. Franco. 2,652,179, Sept. 15.
Garment hanger. H. E. Gensky and S. D. Schroeder. 2,656,077, Oct. 20.
Garment hanger. W. F. Helwig. 2,648,471, Aug. 11.
Garment hanger. W. F. Helwig. 2,656,079, Oct. 20.
Garment hanger. J. W. Kinney, Jr., and H. A. Tomarin. 2,639,066, May 19.
Garment hanger. C. H. Kraft. 2,646,890, July 28.
Garment hanger. R. S. Owen. 2,635,793, Apr. 21.
Garment hanger. A. A. Pedersen. 2,663,471, Dec. 22.
Garment hanger. E. A. M. Peterson. 2,629,525, Feb. 24.
Garment hanger. C. Pollak. 2,653,738, Sept. 29.
Garment hanger. M. M. Schiffman. 2,643,036, June 23.
Garment hanger. H. M. Smith. 2,628,006, Feb. 10.
Garment hanger. W. H. Smith. 2,641,392, June 9.
Garment hanger. G. Sutter. 2,649,229, Aug. 18.
Garment hanger. H. H. Trent. 2,630,253, Mar. 3.
Garment hanger. L. W. Walker. 2,662,675, Dec. 15.
Garment hanger. D. K. Williams. 2,624,496, Jan. 6.
Garment hanger. G. K. Winzer. 2,655,296, Oct. 13.
Garment hanger sleeve holder. J. M. Hershberger. 2,634,030, Apr. 7.
Garment hanger support. L. M. Morrison. 2,643,000, June 23.
Garment having a resilient section. C. R. Anderson. 2,636,368, Apr. 28.
Garment, Heat-resistant. H. A. and C. P. Frommelt and R. A. Phillips. 2,627,072, Feb. 3.
Garment, Heat retaining. H. J. Rand. 2,630,573, Mar. 10.
Garment holding bag. D. Rubin. 2,635,740, Apr. 21.
Garment holding case. S. Kaplan. 2,656,913, Oct. 27.
Garment, Hooded. A. C. Herrington. 2,631,289, Mar. 17.
Garment, Infant's. H. Aaronson. 2,663,022, Dec. 22.
Garment, Infant's. G. L. Ketcham. 2,657,387, Nov. 3.
Garment, Infant's. P. G. Siegel and M. Stein. 2,652,057, Sept. 15.
Garment, Infant's sleeping. D. J. Smith. 2,652,052, Sept. 15.
Garment, Infant's sleeping. M. M. Stern. 2,663,873, Dec. 29.
Garment, Invalid. M. M. Turnham. 2,654,367, Oct. 6.
Garment, Knitted. S. Feldman. 2,624,186, Jan. 6.
Garment made from gathered cloth or film, Cover. W. Spear. 2,639,431, May 26.
Garment, Maternity. P. Auslender. 2,661,475, Dec. 8.
Garment, Maternity. J. Briggs. 2,638,597, May 19.
Garment, Maternity. D. S. Prescott. 2,642,575, June 23.
Garment, Overall. H. Lang. 2,646,568, July 28.
Garment packaging box. H. B. Gordon. 2,656,914, Oct. 27.
Garment parts and foldline-forming means therefor. B. Liebowitz. 2,639,433, May 26.
Garment pocket, Nonsag. I. Kay. 2,637,040, May 5.
Garment press. C. A. Ketchum. 2,624,134, Jan. 6.
Garment press with a single manual control. J. Simpson, Jr., and G. O'Dell. 2,663,956, Dec. 29.
Garment pressing machine. C. M. Clarke. 2,656,627, Oct. 27.
Garment, Protective. H. A. Chappell. 2,649,584, Aug. 25.
Garment rejuvenating apparatus. M. R. Meyer. 2,634,033, Apr. 7.
Garment retainer, Safety. L. Peters. 2,635,304, Apr. 21.
Garment, Reversible front. M. C. O'Brien. 2,657,388, Nov. 3.
Garment, Sanitary. A. Ambarian. 2,638,899, May 19.
Garment seat cushion. G. F. Pinsuti. 2,637,032, May 5.
Garment shield and support. A. E. Rice. 2,630,254, Mar. 3.
Garment shoulder strap holder. E. M. Carlin. 2,649,639, Aug. 25.
Garment space saver. A. H. Rover. 2,626,714, Jan. 27.
Garment structure with crotch. J. R. Milberg. 2,651,048, Sept. 8.
Garment support. H. D. Evans. 2,645,355, July 14.
Garment support. S. E. Norcross. 2,654,132, Oct. 6.
Garment supporting and stretching device, Portable. A. Regulitti. 2,626,091, Jan. 20.
Garment ventilating means. H. Klepper. 2,631,290, Mar. 17.
Garment waistband and making same. S. F. Stein. 2,650,367, Sept. 1.
Garment with supporter, Shoulderless. P. R. Swearingen. 2,649,587, Aug. 25.
Garment with trough means, Protective. C. M. Murray. 2,640,197, June 2.
Garment, Woman's. N. Maiden. 2,657,690, Nov. 3.
Garment, Woman's. H. Nelson. 2,654,091, Oct. 6.
Garment, Woman's confining. H. M. Dolan. 2,633,574, Apr. 7.
Garter clasp. W. I. and E. B. Hatch. 2,624,093, Jan. 6.
Garter strap for cylinder molds, Fluid pressure sealed. L. Hornbostel. 2,626,543, Jan. 27.
Garter supporter. A. Ellertsen. 2,627,639, Feb. 10.
Gas analyzer and use. W. M. Zaikowsky. 2,639,978, May 26.
Gas analyzer for plural mixtures. R. D. Richardson. 2,633,737, Apr. 7.
Gas analyzing devices. J. E. McEvoy. 2,652,315, Sept. 15.
Gas and liquid contact apparatus. N. C. Turner. 2,632,638, Mar. 24.
Gas and liquid contact apparatus. J. P. Voleau. 2,651,512, Sept. 8.
Gas and steam power generating unit, Combustion. A. C. Peterson. 2,656,677, Oct. 27.
Gas burner and internal baffle for gas distribution. D. H. Wyatt. 2,626,656, Jan. 27.
Gas burner and secondary air feed means. L. E. Hart and R. C. Brown. 2,625,215, Jan. 13.
Gas burner cap with branched outlet ports. L. F. Vixler. 2,638,976, May 19.
Gas burner flash tube ignition apparatus. C. C. Lamar. 2,625,993, Jan. 20.
Gas burner formed by stacked annular members. D. Shepherd and H. J. Welch. 2,625,994, Jan. 20.
Gas burner head, Multiple. C. C. Lamar. 2,640,531, June 2.
Gas burner secondary air-feed ring and baffle. H. D. Du Fault. 2,642,131, June 16.
Gas cleaning apparatus. H. A. Wintermute. 2,634,818, Apr. 14.
Gas cock. A. Stadler. 2,664,263, Dec. 29.
Gascock stop, Resilient. H. M. Reeves. 2,646,961, July 28.
Gas control device. H. B. Gilson and C. C. Anthes. 2,631,611, Mar. 17.
Gas control valve. P. E. Brunberg. 2,656,856, Oct. 27.
Gas conversion to hydrogen and carbon monoxide, Natural. F. L. Symonds. 2,631,004, Mar. 10.
Gas cooling contact apparatus. C. W. J. Hedberg. 2,654,584, Oct. 6.
Gas detector apparatus. C. Tiffany. 2,645,564, July 14.
Gas discharge device. L. R. Landrey and A. Mazzei. 2,652,510, Sept. 15.
Gas discharge device. W. W. Watrous, Jr. 2,653,261, Sept. 22.
Gas discharge transmission arrangement. L. Goldstein and N. L. Cohen. 2,643,297, June 23.
Gas discharge tube. J. D. Cobine. 2,639,409, May 19.
Gas discharge tubes. J. D. Cobine and C. J. Gallagher. 2,624,867, Jan. 6.
Gas distribution system pressure control. D. W. Shaeffer and F. A. Cowell. 2,631,931, Mar. 17.
Gas distributor for stoves. H. McDowell. 2,626,634, Jan. 27.
Gas engine. S. D. Klinger. 2,635,589, Apr. 21.
Gas-expanded organic plastics, Production of. H. D. Glenn. 2,634,243, Apr. 7.
Gas expansion engine. F. G. Kelly. 2,649,078, Aug. 18.
Gas-filled electrical generator. E. Wiedemann. 2,650,313, Aug. 25.
Gas-filled grid controlled electronic tube. A. W. Coolidge, Jr. 2,653,265, Sept. 22.
Gas filter indicator. M. Rabbitt. 2,655,894, Oct. 20.
Gas fired air heater. E. Kent. 2,648,323, Aug. 11.
Gas fired air-heating furnace. E. Kent. 2,648,324, Aug. 11.
Gas fired forced air flow air heating furnace. R. C. Jaye and J. F. Hirtz. 2,658,504, Nov. 10.
Gas flow control apparatus. A. U. Bryant. 2,650,607, Sept. 1.
Gas fueled radiant heater. D. A. Jacobson. 2,649,907, Aug. 25.
Gas fueled rail heater. D. G. Kerwin and F. G. O'Callaghan. 2,633,190, Mar. 31.
Gas generation. T. Dresser and R. B. Smith. 2,625,465, Jan. 13.
Gas generator. J. J. Mallr, Jr. 2,631,020, Mar. 10.
Gas-heated drier. P. E. Geldhof and H. E. Morrison. 2,635,354, Apr. 21.
Gas heater. W. O. Moran. 2,656,833, Oct. 27.
Gas holder. H. A. Fromson. 2,626,859, Jan. 27.
Gas igniter. A. Racek and J. Raganitsch. 2,661,616, Dec. 8.
Gas injector for carbon black converter. C. B. Fore. 2,628,674, Feb. 17.
Gas jet safety lock. J. W. Colwell. 2,632,623, Mar. 24.
Gas leakage test box. D. B. Miller. 2,658,434, Nov. 10.
Gas lift apparatus. C. M. Peters. 2,629,335, Feb. 24.
Gas lift apparatus. R. O. Walton. 2,634,689, Apr. 14.
Gas lift system and apparatus therefor. J. Zaba. 2,633,086, Mar. 31.
Gas lift valve. R. A. Bobo. 2,644,404, July 7.
Gas lift valve. L. L. Cummings. 2,642,889, June 23.
Gas lift valve. L. L. Cummings. 2,651,319, Sept. 8.
Gas lifting device for flowing multiple zone wells. E. O. Bennett. 2,632,513, Mar. 24.
Gas-liquid contact apparatus. J. R. Cave. 2,634,959, Apr. 14.
Gas-liquid contact apparatus. C. B. Rowe. 2,637,540, May 5.
Gas-liquid contact apparatus for removing contaminants from gases. V. C. de Ybarrondo. 2,658,735, Nov. 10.
Gas-liquid separator. S. K. Andersen and R. W. Jensen. 2,634,820, Apr. 14.
Gas manufacture. S. C. Eastwood. 2,662,006, Dec. 8.
Gas measuring device. R. D. Richardson. 2,658,384–5, Nov. 10.
Gas meter. R. Newton. 2,654,247, Oct. 6.

Gas meter connection means. H. H. McChesney. 2,632,328, Mar. 24.
Gas metering system control. R. B. Gray. 2,630,820, Mar. 10.
Gas-oil separator. C. K. Ferguson. 2,652,130, Sept. 15.
Gas-operated well apparatus. R. C. Baker and T. M. Ragan. 2,640,547, June 2.
Gas oven ventilation. W. E. Williams. 2,634,718, Apr. 14.
Gas pilot, Electrically ignited. F. J. Haverland. 2,643,709, June 30.
Gas plating, Method and apparatus for. H. G. Belitz and O. F. Davis. 2,631,948, Mar. 17.
Gas pressure measuring. M. J. Cohen. 2,648,818, Aug. 11
Gas pressure regulator. F. J. Eichelman. 2,651,147, Sept. 8.
Gas pressure regulator. J. S. Senesky. 2,645,062, July 14.
Gas pressure regulator resistant to hum. W. J. Jacobsson and E. Behnke. 2,650,455, Sept. 1.
Gas producing apparatus, Inflammable. W. Peters. 2,631,930, Mar. 17.
Gas-producing nondetonating composition. J. Taylor and A. C. Hutchison. 2,653,086, Sept. 22.
Gas purification. K. E. Leutz. 2,641,526, June 9.
Gas range. G. O. Galloway. 2,625,149, Jan. 13.
Gas receiver-liquid separator unit. J. Le Valley. 2,642,954, June 23.
Gas regulator. C. W. Hart. 2,661,601, Dec. 8.
Gas replacement of metal sulfides. E. S. Roberts, P. J. McGauley, and F. A. Schaufelberger. 2,662,009, Dec. 8.
Gas rich in carbon monoxide, Manufacturing a. W. K. Lewis. 2,631,934, Mar. 17.
Gas safety valve. F. J. Shook. 2,631,603, Mar. 17.
Gas sampling and recording analyses and temperatures, Method and apparatus for. A. Bur. 2,648,976, Aug. 18.
Gas scrubber. R. C. Baird 2,625,383, Jan. 13.
Gas separation apparatus and method. S. C. Collins. 2,663,167, Dec. 22.
Gas separation by adsorption. R. L. Huntington and L. S. Reid. 2,642,955, June 23.
Gas separation by adsorption and preferential desorption. W. A. Parks. 2,642,153, June 16.
Gas separator. F. M. Stephens and J. R. Fluor. 2,632,523, Mar. 24.
Gas separator for grinding mills. G. A. Parten. 2,624,460, Jan. 6.
Gas shutoff valve. P. L. Born and D. V. Meiller. 2,631,604, Mar. 17.
Gas-solid extrusion reactor. G. J. Alles. 2,626,856, Jan. 27.
Gas-solid separator. C. H. O. Berg. 2,641,335, June 9.
Gas starters for resonant pulse jet burners. W. I. E. Kamm, W. F. Krautter, and K. Staiger. 2,653,654, Sept. 29.
Gas storage apparatus. J. W. Allen. 2,631,093, Mar. 10.
Gas stove control panel. D. P. O'Keefe. 2,661,732, Dec. 8.
Gas supply control system. C. MacSporran. 2,640,769, June 2.
Gas supply for auxiliary appliances. W. Kennedy. 2,624,330, Jan. 6.
Gas tank cap valve. A. W. Konchan. 2,649,776, Aug. 25.
Gas tank lock. E. Price. 2,648,970, Aug. 18.
Gas torch tip having protective terminal shoe. D. A. Marra. 2,655,988, Oct. 20.
Gas tube counter, Dual-polarity. R. B. Koehler. 2,651,741, Sept. 8.
Gas tube ionizer and process. W. A. Geohegan. 2,630,550, Mar. 3.
Gas tube noise generator. C. J. Gallagher and S. Ruthberg. 2,658,149, Nov. 3.
Gas tube protector circuit. I. Sager. 2,642,552, June 16.
Gas turbine. E. Jedrzykowski. 2,635,804, Apr. 21.
Gas turbine adapted as a starter. E. A. Stalker. 2,650,060, Aug. 25.
Gas turbine and like engine. A. A. Lombard. 2,628,067, Feb. 10.
Gas turbine apparatus. W. J. Durkin and D. N. Arvidson. 2,643,085, June 23.
Gas turbine apparatus. H. O. Pedersen and J. A. Rydmark. 2,650,017, Aug. 25.
Gas turbine apparatus with air-cooling means. G. M. Mierley and J. N. Schlotter. 2,625,793, Jan. 20.
Gas turbine auxiliary power plant. H. J. Wood. 2,648,491, Aug. 11.
Gas turbine blade, Air-cooling. L. C. Lichty. 2,660,858, Dec. 1.
Gas turbine combustion chamber having controlled laminar flow of air for combustion and insulation. E. A. Stalker. 2,627,719, Feb. 10.
Gas turbine combustion chamber with provision for turbulent mixing of air and fuel. J. C. Krejci. 2,659,201, Nov. 17.
Gas turbine combustor having helically directed openings to admit steam and secondary air. R. E. Zoller. 2,636,345, Apr. 28.
Gas turbine combustor having tangential air inlets for primary and secondary air. M. L. Nathan. 2,638,745, May 19.
Gas turbine compressor system. N. C. Price. 2,659,528, Nov. 17.
Gas turbine control system with ambient temperature compensation. S. W. James. 2,636,130, Apr. 21.
Gas turbine cycle employing secondary fuel as H. Rosenthal. 2,660,032, Nov. 24.
Gas turbine engine. A. A. Lombard. 2,636,66
Gas turbine engine. A. A. Lombard. 2,647,6
Gas turbine fuel feed and power control device to speed and air density. F. C. Mock. 2,644,
Gas turbine fuel feed system with vapor remov A. S. King, Jr. 2,627,907, Feb. 10.
Gas turbine having a power turbine and a p compressor-turbines in series, Contrarotati Steele. 2,639,583, May 26.
Gas turbine housing. R. Leduc. 2,658,338, N
Gas turbine plant. W. M. Ogston. 2,632,29
Gas turbine plant with a mixing chamber, Re plosion. J. H. Anderson. 2,629,983, Mar.
Gas turbine power control. W. G. Lundquist, W and W. C. Schaffer. 2,638,992, May 19.
Gas turbine power plant having coaxially arra bustors and regenerator. A. C. Staley Williams. 2,631,430, Mar. 17.
Gas turbine power plant having compressor, t hollow shaft therebetween. V. H. Pavlecka lenbach. 2,626,501, Jan. 27.
Gas turbine power plant, including multiple flu turbines. A. J. Larrecq. 2,625,012, Jan. 1
Gas turbine power plant, Segmentally separa Hawkins. 2,633,705, Apr. 7.
Gas turbine power plant solid fuel feeding me Yellott. 2,652,687, Sept. 22.
Gas turbine power plant with controlled rate E. A. Stalker. 2,643,512, June 30.
Gas turbine power plant with diverse comb diluent air paths. R. M. Williams and C. 2,625,794, Jan. 20.
Gas turbine rotor and welding rotor disks toget Constantine, C. T. Evans, Jr., and E. S. 2,637,521, May 5.
Gas turbine rotor arrangement. B. O. Buc C. S. Rice. 2,655,307, Oct. 13.
Gas turbine starter mounting. L. C. Secord. June 2.
Gas turbine system of intermittent combustio C. Peterson. 2,658,335, Nov. 10.
Gas turbine system with treatment between tur J. T. Rettaliata. 2,654,217, Oct. 6.
Gas turbine unit, particularly for driving r vehicles. H. S. Rainbow. 2,631,427, Mar.
Gas turbines. S. D. Hage. 2,663,141, Dec. 22
Gas turbines incorporating compressor. E. 2,648,492, Aug. 11.
Gas valve. E. E. Hayden. 2,659,385, Nov. 17
Gas valve. C. C. Lamar. 2,632,467, Mar. 24.
Gas valve. C. C. Lamar. 2,632,469, Mar. 24.
Gas valve. E. E. Meusy. 2,658,514, Nov. 10.
Gaseous diffusion process. P. W. Garbo. May 5.
Gaseous discharge device. A. H. Reeves. Jan. 6.
Gaseous discharge device. P. W. Stutsman. 2 Apr. 21.
Gaseous discharge electrode assembly and tu Stavro. 2,631,255, Mar. 10.
Gaseous discharge lamp. W. B. Greenlee. Jan. 6.
Gaseous discharge tube. A. H. Reeves. 2,63 28.
Gaseous discharge tube circuit. D. A. Grif Sept. 15.
Gaseous fluid flow system. N. A. Dimmoc Dec. 15.
Gaseous heat exchange. L. P. Pool. 2,660,03
Gaseous petroleum fraction rich in hydrogen, of. J. N. Haresnape and S. Hesling. 2,645,5
Gases from carbonaceous solids, Production Hemminger. 2,644,745, July 7.
Gasification of carbonaceous materials contain constituents. J. C. Kalbach. 2,662,816, Dec
Gasification of carbonaceous solid fuels. 2,654,661–3, Oct. 6.
Gasification of carbonaceous solids. E. J. Gor K. J. Nelson. 2,633,416–17, Mar. 31.
Gasification of carbonaceous solids. J. A 2,654,665, Oct. 6.
Gasification of carbonaceous solids. E. H. Re V. Safford. 2,654,664, Oct. 6.
Gasification of combustible materials. R. 2,647,045, July 28.
Gasification of powdered caking type coal. N. son. 2,662,007, Dec. 8.
Gasification of sulfuric acid wastes. W. 2,644,797, July 7.
Gasification process and apparatus. C. H. 2,627,455, Feb. 3.
Gasified fuel oil burner. J. E. Farrell. 2,630,1
Gasifying carburetor. J. E. Farrell. 2,625,92
Gasifying coal. B. J. Mayland. 2,657,501, No
Gasifying coals. B. J. Mayland. 2,659,668, N
Gasket. H. G. Beck. 2,660,275, Nov. 24.
Gasket dispenser. A. R. Kreul. 2,635,026
Gasket for spaghetti extrusion presses. Die Thalmann. 2,642,016, June 16.
Gasket having means for indicating when imp sitioned, Compression. E. J. Laber. 2,661,

Gasket material and making same. G. C. Martin and A. J. Sears. 2,627,482, Feb. 3.
Gasket seal for pipe joints. J. R. Virgil. 2,657,078, Oct. 27.
Gasket, Sealing. B. J. Slaughter, Jr. 2,661,229, Dec. 1.
Gasoline cap signal. J. H. Moye. 2,642,831, June 23.
Gasoline filter. V. P. Mathews. 2,628,721, Feb. 17.
Gasoline fuels containing dimethyl carbinol and solvent oil. J. E. Nendeck. 2,646,348, July 21.
Gasoline tank truck valve. R. D. Marx. 2,652,070, Sept. 15.
Gasoline treating. J. M. Cranmer. 2,645,603, July 14.
Gasoline treating process. E. R. Quiram and J. B. Lewis. 2,626,891, Jan. 27.
Gate: *See*—
Automatic gate.
Automatic vehicle operated gate.
Cam operated self-closing gate.
Combination horizontally and vertically swinging gate.
Diode gate.
Drive-over metal cattle gate.
Dump gate.
Electric eye packing gate.
Gravity return bump gate.
Hopper and power actuated discharge gate.
Ice cube pitcher gate.
Mine car topping gate.
Multiple movement gate.
Quick-acting race control gate.
Portable ditch gate.
Sash gate.
Self-cleaning butterfly gate.
Self-opening and closing bump gate.
Stock restraining gate.
Trap-nest gate.
Tubular gate.
Vehicle actuated gate.
Vehicle lift gate.
Water channel control gate.
Water gap gate.
Water gate.
Gate and reinforcement therefor. B. F. Trumbo. 2,650,443, Sept. 1.
Gate and trigger circuits employing transistors. R. L. Trent. 2,629,834, Feb. 24.
Gate closing and locking mechanism for discharge outlets of car hoppers. G. B. Dorey. 2,644,408, July 7.
Gate construction, Electrified. A. H. Meyer, Jr. 2,642,683, June 23.
Gate control, Chopper box. A. J. Meyer. 2,651,542, Sept. 8.
Gate control system, Highway crossing. J. C. Lindner. 2,662,167, Dec. 8.
Gate fastener. R. J. Vickers. 2,653,044, Sept. 22.
Gate for parking lots, Road barrier. B. M. Sweetser. 2,657,486, Nov. 3.
Gate for race tracks, Starter. A. J. Lawson. 2,653,568, Sept. 29.
Gate for storage bins and hoppers, Compression sealing. R. E. Heltzel. 2,638,254, May 12.
Gate latch. A. E. Burris. 2,641,494, June 9.
Gate latch. C. E. Wallace. 2,626,171, Jan. 20.
Gate mechanism for bottle dispensing containers. L. M. Harris. 2,661,992, Dec. 8.
Gate opening and closing means. A. F. Hoppe. 2,661,555, Dec. 8.
Gate operating mechanism, Automatic. W. L. Enghauser. 2,661,556, Dec. 8.
Gate package, Disassembled. W. O. Pope. 2,656,040, Oct. 20.
Gate switch. P. Giuffrida. 2,624,813, Jan. 6.
Gate valve. L. S. Hamer. 2,636,713, Apr. 28.
Gate valve. W. T. Hirsch and E. R. Roth. 2,651,320, Sept. 8.
Gate valve. W. G. E. Smith. 2,630,293, Mar. 3.
Gate valve. F. H. Stradtmann. 2,658,712, Nov. 10.
Gate valve. A. S. Volpin. 2,660,191, Nov. 24.
Gate valve pressure lock. A. G. Sheppard. 2,635,633, Apr. 21.
Gated oscillator circuit. E. F. MacNichol, Jr. 2,638,548, May 12.
Gating circuit. L. L. Lakatos. 2,632,104, Mar. 17.
Gating circuits. W. H. MacWilliams, Jr. 2,627,039, Jan. 27.
Gating system, Diversity. J. B. Atwood. 2,644,885, July 7.
Gating system for cathode-ray oscilloscopes. J. R. Moore. 2,633,569, Mar. 31.
Gating system for plan position indicators. C. W. Sherwin. 2,640,984, June 2.
Gating trigger circuit. D. H. Pritchard. 2,645,713, July 14.
Gatherer for forage harvesters. O. E. Hintz. 2,648,941, Aug. 18.
Gathering and loading machine. F. B. Miller. 2,664,185, Dec. 29.
Gathering machine, Stone. E. S. Diehl. 2,640,306, June 2.
Gathering reel. H. Ramacher. 2,652,678, Sept. 22.
Gauge: *See*—
Air gauge.
Aileron gauge.
Balance assembly gauge.
Bore gauge.
Bourdon tube gauge.
Bridge-type capacitance liquid level gauge.
Caliper gauge.
Camber and caster gauge.
Centering gauge.
Clearance angle gauge.
Combination door and jambe gauge.
Compensated pressure gauge.
Cylinder bore taper gauge.
Cylinder gauge.
Depth gauge.
Dial indicator gauge.
Differential air gauge.
Doorframe setting gauge.
Door hanging gauge.
Drill aligning gauge.
Drill hole gauge.
Electric strain gauge.
Face run-out gauge.
Feeler gauge.
Film-perforation pitch gauge.
Floating inner sole binding gauge.
Fluid pressure gauge.
Front feed paper gauge.
Fuel valve timing gauge.
Grinder gauge.
Guillotine knife-automatic electrical back gauge.
Headwear sizing gauge.
Height gauge.
Helically-coiled hole gauge.
High vacuum gauge.
Hole gauge.
Hydraulic valve gauge.
Inspection gauge.
Internal gauge.
Ion gauge.
Ionization gauge.
Jointer knife setting gauge.
Leveling gauge.
Liquid level gauge.
Magnetic measuring gauge.
Marking gauge.
Measuring-marking space gauge.
Mechanical gauge.
Micrometer gauge.
Micrometer height gauge.
Multipurpose depth gauge.
Oil burner electrode gauge.
Optical comparison gauge.
Optical thickness gauge.
Piston rod stuffing-box gauge.
Power saw guide gauge.
Precision gauge.
Presser foot gauge.
Pressure gauge.
Printer's gauge.
Pulsating type tire gauge.
Radial-play gauge.
Radio reporting precipitation gauge.
Raker gauge.
Recording rain gauge.
Roundness checking gauge.
Ruler gauge.
Screw-actuated micrometer gauge.
Screw gauge.
Scribing gauge.
Shockproof dial indicator gauge.
Steady-rest centering gauge.
Tank gauge.
Taper gauge.
Thread gauge.
Tire air pressure gauge.
Tire pressure gauge.
Tire tread gauge.
Ultrasonic gauge.
Universal indicator gauge.
Wheel gauge.
X-ray thickness gauge.
Gauge. A. Brandt. 2,650,434, Sept. 1.
Gauge. W. K. Dow. 2,642,670, June 23.
Gauge. M. Duclos. 2,651,112, Sept. 8.
Gauge. O. A. Fuller. 2,652,632, Sept. 22.
Gauge. J. E. Giambiasi. 2,648,911, Aug. 18.
Gauge. P. E. Heal. 2,662,295, Dec. 15.
Gauge and ejector for heel shaping machines. E. C. Butler. 2,664,125, Dec. 29.
Gauge and guide, Sewing machine. G. M. Underwood. 2,645,194, July 14.
Gauge and heater, Combination oil. R. Fein and J. Wiener. 2,629,041, Feb. 17.
Gauge and manufacture, Capacity type strain. J. R. Stovall, Jr. and I. Weintraub. 2,654,060, Sept. 29.
Gauge and recorder, Glass level. V. G. Politsch. 2,628,428, Feb. 17.
Gauge and warning light combination. P. P. Gallo. 2,659,070, Nov. 10.
Gauge attachment, Combination pressure and cost computing. L. W. Sage. 2,638,866, May 19.
Gauge block and holder. L. Dorel. 2,642,668, June 23.
Gauge connecting device, Piston and cylinder type fluid pressure. C. R. A. Grant. 2,658,391, Nov. 10.
Gauge device, Drawbar pull. H. L. Eisenbart. 2,641,926, June 16.
Gauge element, Piezoelectric pressure. A. B. Arons and C. Frondel. 2,636,134, Apr. 21.
Gauge for a punching apparatus, Stop. A. M. MacPheat. 2,646,122, July 21.
Gauge for adjustable roller bearings, Spacer. S. E. Hotchkiss. 2,627,120, Feb. 3.
Gauge for adjusting blanks in gear cutting machines. P. Aschwanden. 2,656,612, Oct. 27.
Gauge for aligning a string of pipe with a grade line. J. A. Mitchell. 2,624,950, Jan. 13.
Gauge for bending brakes. R. P. Linder. 2,634,787, Apr. 14.
Gauge for bullet holes, Scoring. C. H. Daughraty. 2,637,556, May 5.
Gauge for chain saws, Depth. J. M. Hanson, Sr. 2,645,859, July 21.
Gauge for checking parts in cylindrical articles. E. C. Moss. 2,627,664, Feb. 10.
Gauge for cold fluids, Direct reading. E. E. van Ham. 2,633,023, Mar. 31.
Gauge for indicating camber, caster, and side inclination of wheels. G. H. Taber. 2,627,123, Feb. 3.
Gauge for internal-combustion engine carburetors, Fuel. R. H. Hieger. 2,659,152, Nov. 17.
Gauge for lenses, Thickness. E. D. Tillyer and J. R. Eves. 2,646,627, July 28.
Gauge for liquid containers. R. W. Harper. 2,653,478, Sept. 29.
Gauge for machine tools, Work. W. A. Eschenburg. 2,630,845, Mar. 10.
Gauge for measuring cavities. R. M. Roberts. 2,635,466, Apr. 21.
Gauge for paper cutter-drive disconnect for manual operation, Back. S. Frankel. 2,649,912, Aug. 25.
Gauge for pressure cookers, Dead weight. D. K. Lind. 2,633,870, Apr. 7.
Gauge for screws, etc., Outside diameter. W. G. Larson and E. E. Broberg. 2,640,273, June 2.
Gauge for swayed sawteeth. L. Stanton. 2,626,460, Jan. 27.

Gauge for testing out-of-roundness and diameters of cylindrical holes. G. E. Reicherter. 2,662,297, Dec. 15.
Gauge for winding machines, Automatic electric stop. C. W. Guion. 2,639,865, May 26.
Gauge for winding machines, Cutoff. F. G. Kraft. 2,629,181, Feb. 24.
Gauge for threaded and other test pieces, Adjustable anap. M. E. Steczynski. 2,631,377, Mar. 17.
Gauge hatch. F. G. D. Muller. 2,630,242, Mar. 3.
Gauge head. H. A. Snow. 2,651,762, Sept. 8.
Gauge means for fitting screens to card cylinders. O. S. Elliott. 2,652,633, Sept. 22.
Gauge means for implements. R. D. Acton. 2,627,797, Feb. 10.
Gauge mechanism, Electric. L. Boddy. 2,625,132, Jan. 13.
Gauge of the ionization producing type, Vacuum. J. W. Clark and S. G. McNees. 2,639,397, May 19.
Gauge pulse system, Strain. F. Albrecht and H. D. Wolfe. 2,633,019, Mar. 31.
Gauge roll for lawn mowers. H. J. Stegeman. 2,637,157, May 5.
Gauge unit. H. J. Lovenston. 2,661,539, Dec. 8.
Gauge wheel attachment for tool carriers. A. B. Youngs. 2,648,271, Aug. 11.
Gauging and assorting device. W. S. Reynolds and J. R. Turner. 2,649,961, Aug. 25.
Gauging and scribing means, Universal. E. F. Ruby and W. B. Owen. 2,646,624, July 28.
Gauging and segregating of rollers. T. A. Jagen. 2,634,859, Apr. 14.
Gauging and sorting apparatus utilizing standing waves, Electrical. M. M. Arlin. 2,635,748, Apr. 21.
Gauging apparatus, Continuous. M. A. Crosby. 2,632,956, Mar. 31.
Gauging apparatus for grinding machines and the like. F. W. Blanchette. 2,647,347, Aug. 4.
Gauging apparatus, Tank. J. H. Heigl. 2,651,938, Sept. 15.
Gauging device. W. F. Aller and A. J. Page. 2,647,456, Aug. 4.
Gauging device. W. F. Aller and A. J. Page. 2,647,627, Aug. 4.
Gauging device, Pneumatic. W. F. Aller. 2,647,396, Aug. 4.
Gauging device for channel bars. L. M. Strand. 2,634,506, Apr. 14.
Gauging device for determining misalignment of land and threads of drill pipes. S. Webb. 2,630,633, Mar. 10.
Gauging device for V type cylinder blocks, Size. W. F. Aller. 2,659,157, Nov. 17.
Gauging device, Pneumatic. E. C. Adkins. 2,637,200, May 5.
Gauging device, Pneumatic. W. F. Aller. 2,624,196, Jan. 6.
Gauging device, Size. W. F. Aller. 2,651,412, Sept. 8.
Gauging device, Tank. P. McDuff. 2,637,111, May 5.
Gauging device, Tire. E. A. Glynn. 2,650,437, Sept. 1.
Gauging equipment, Electromagnetic. A. G. Ladrach. 2,641,841, June 16.
Gauss type photographic objective having two lens systems on opposite sides of a diaphragm. A. W. Tronnier. 2,646,721, July 28.
Gaussmeter. M. J. Lush. 2,652,533, Sept. 15.
Gear: *See*—
Aircraft arresting gear.
Aircraft landing gear.
Aircraft multiwheel continuous tread landing gear.
Airplane landing gear.
Automatic weighing gear.
Draft gear.
Epicyclic change-speed gear.
Hoisting or haulage gear.
Hypoid differential gear.
Infinitely-variable change-speed gear.
Manual and hydraulic power actuated steering gear.
Oyster dredge hoist gear.
Planetary speed-reducing and reversing gear.
Power steering gear.
Power transmission gear.
Progressive change-speed gear.
Retractable landing gear.
Ship propulsion gear.
Stay in gear.
Steering gear.
Trailer landing gear.
Variable power steering gear.
Variable speed gear.
Gear actuated predetermined torque release wrench. J. W. Stirzel. 2,639,637, May 26.
Gear assembly. H. F. Heisler. 2,646,691, July 28.
Gear case unit for outboard motors. E. C. Kiekhaefer. 2,656,812, Oct. 27.
Gear construction, Steering. F. B. Burt. 2,634,624, Apr. 14.
Gear cutter. O. F. Bauer. 2,646,611, July 28.
Gear cutting machine, Bevel. P. Aschwanden. 2,634,657, Apr. 14.
Gear drive, Antivibration. F. R. Gruner. 2,663,201, Dec. 22.
Gear drive, Compound. O. K. Kelley. 2,633,760, Apr. 7.
Gear drive transmission, Variable drive ratio. L. A. Creber. 2,653,491, Sept. 29.
Gear drive, Worm. A. Ubertini. 2,635,479, Apr. 21.
Gear finishing machine. F. E. McMullen and T. H. Peck, 2,639,567, May 26.
Gear finishing machine. W. S. Praeg. 2,627,141, Feb. 3.
Gear for aircraft, Landing. P. E. Mercier. 2,644,654, July 7.
Gear for boats, Launching. W. E. Morley, W. and W. C. Rouse. 2,635,259, Apr. 21.
Gear for motor-driven vehicles, Differential. P. 2,627,190, Feb. 3.
Gear for motor-driven vehicles, Differential. P. 2,655,055, Oct. 13.
Gear for portable freight units, Retractable. G. 2,656,942, Oct. 27.
Gear for ships, Hydraulic steering. P. J. N 2,636,465, Apr. 28.
Gear for the driven axles of vehicles, Drivin Wilson. 2,648,236, Aug. 11.
Gear for trailer vehicles, Landing. A. J 2,627,424, Feb. 3.
Gear for trailers, Steering. A. Bocci. 2,652,124
Gear for use on inclined surfaces, Landing. I. I 2,630,989, Mar. 10.
Gear generating machine, Multiple spindle plan W. Miller. 2,644,368, July 7.
Gear generating machine with rack type cutte Miller. 2,628,538, Feb. 17.
Gear grinding machine. O. E. Staples. 2,642 23.
Gear-operated dual socket wrench. W. Imboden. Mar. 10.
Gear-operated pancake-type wrench for use i spaces. F. J. De Note. 2,629,278, Feb. 24.
Gear operated predetermined torque releas H. C. Pedersen. 2,634,640, Apr. 14.
Gear pump. B. P. Ilyin. 2,624,287, Jan. 6.
Gear pump. P. G. Lindberg. 2,641,192, June
Gear pump. W. H. Wood. 2,659,314, Nov. 17.
Gear shaping machine. W. S. Praeg. 2,662,44
Gear shaping machine, Double-acting. E. 2,638,036, May 12.
Gear shaping machine, Multiple spindle. E. 2,628,537, Feb. 17.
Gear shaping machine, Reversing feed. E. 2,640,397, June 2.
Gear shaping machine with displaceable apro Miller. 2,641,968, June 16.
Gear shift attachment, Motor vehicle. E. 2,633,756, Apr. 7.
Gear shift mechanism. D. H. Spangler. 2,62 20.
Gear shift mechanism. E. C. Thompson. Dec. 8.
Gear shift, Power and manually operated. E and P. J. Smith. 2,649,813, Aug. 25.
Gear shifting mechanism. J. R. Almond. 2,65 13.
Gear shifting mechanism, Automatic. S. 2,657,779, Nov. 3.
Gear teeth for toothed gears. U. Günther. July 28.
Gear tooth checking instrument, Portable. F. 2,657,469, Nov. 3.
Gear transmission, Hydrodynamic. L. A. 2,640,375, June 2.
Gear transmission, Selective. A. Y. Dodge. Nov. 10.
Gear unit, Reduction. A. S. Wheelbarger. July 7.
Gear unit with removable chair, Running. 2,643,702, June 30.
Gear with cushioned lubricated leakproof skid Tracked. M. G. Bekker. 2,652,289, Sept. 15.
Geared hand brake. J. Wilson. 2,651,213, Se
Geared wrench. W. H. Johnson. 2,634,630,
Gearing. A. J. La Beck and L. E. Hoy. 2,62 17.
Gearing device, Adjustable. W. B. Watson Wilson. 2,633,032, Mar. 31.
Gearing for motorcycles, Change speed and st Behringer. 2,644,439, July 7.
Gearing for the running axle of vehicles, Powe sion. L. R. Nixon. 2,664,003, Dec. 29.
Gearless differential. R. R. Randall. 2,651,21
Gearless speed reduction mechanism. G. 2,656,737, Oct. 27.
Gears, making. J. Wilson. 2,654,944, Oct. 13.
Geiger tube circuit with cathode follower. S. W. 2,642,539, June 16.
Gel modifier for oils and preparing it. D. C. M. Savoy. 2,643,228, June 23.
Gelatin composition. L. R. Ferguson. 2,657,0
Generating and cutting gears. K. B. Trace. Dec. 29.
Generating and cutting gears, Method of and app K. B. Trace. 2,664,030, Dec. 29.
Generating device, Power-gas. J. Taylor, A. C. and I. Fagelston. 2,637,274, May 5.
Generating gears. A. W. Klomp. 2,646,724, Ju
Generating impulses of large keying ratio, M means for. R. Urtel. 2,660,672, Nov. 24.
Generating power involving catalytic oxidati Hondry. 2,624,172, Jan. 6.
Generating power involving catalytic oxidati Houdry. 2,632,296, Mar. 24.
Generating system, Pulse. P. E. Fox. 2,637,8
Generation of carbon monoxide and hydroge Teichmann. 2,660,521, Nov. 24.

Generation of electric oscillation. H. B. R. Boosman. 2,662,182, Dec. 8.
Generation of heating gas from solid fuels. L. P. Gaucher. 2,657,124, Oct. 27.
Generation of microwaves. J. R. Pierce. 2,635,206, Apr. 14.
Generation of picture signals for television transmission. C. A. Johnson. 2,655,554, Oct. 13.
Generation of synthesis gas. W. P. Gee. 2,630,378, Mar. 3.
Generator: *See*—
Aerosol generator.
Alternating current generator.
Alternating wave generator.
Arbitrary function generator.
Artificial fog generator.
Audio sweep frequency generator.
Constant amplitude sweep generator.
Delay controlled pulse generator.
Electric pulse generator.
Electric wave generator.
Electrical rate generator.
Electromagnetic deflection generator.
Electronic impulse generator.
Electronic pulse generator.
Electrostatic voltage power generator.
Fluid fuel-fired heat radiation generator.
Frequency generator.
Friction heat generator.
Function generator.
Gas-filled electrical generator.
Gas generator.
Gas tube noise generator.
Harmonic generator.
High efficiency nuclear electrostatic generator.
High-frequency generator.
High-voltage generator.
Homopolar generator.
Impedance matching generator.
Impulse generator.
Linear sawtooth generator.
Millimeter wave generator.
Nuclear electrical generator.
Oscillation generator.
Ozone generator.
Periodic-wave generator.
Portable acetylene generator.
Positive feedback pulse generator.
Power generator.
Pulse generator.
Pulse group generator.
Radio-frequency generator.
Random signal generator.
Resonating combustion power gas generator.
Saw-tooth current generator.
Saw tooth voltage generator.
Saw-tooth wave generator.
Self-starting electrostatic generator.
Smoke generator.
Square wave generator.
Steam generator.
Super high-frequency electromagnetic wave generator.
Sweep generator.
Sweep voltage generator.
Synchronizing generator.
Thermoelectric generator.
Ultrahigh-frequency generator.
Ultrahigh-frequency oscillation generator.
Universal contour generator.
Vapor generator.
Voltage regulating generator.
Wave generator.
Welding generator.
Generator and cleaner, Electric steam. W. C. Hackman. 2,627,015, Jan. 27.
Generator and electron tube, Ultrahigh-frequency. W. W. Eitel, J. A. McCullough, and H. E. Sorg. 2,654,844, Oct. 6.
Generator and multipass superheater with a vapor temperature control system, Vapor. S. S. Waldron. 2,638,079, May 12.
Generator and superheat-reheat control means therefor, Steam. J. Van Brunt. 2,649,079, Aug. 18.
Generator and superheater, Vapor. C. H. Woolley. 2,633,109, Mar. 31.
Generator and waste heat boiler, Synthesis gas. W. S. Patterson and W. H. Armacost. 2,631,932, Mar. 17.
Generator armature test. F. J. Foust, O. W. Childress, Jr., D. O. Crim, and R. A. Thompson. 2,654,065, Sept. 29.
Generator cooling. R. A. Baudry and P. R. Heller. 2,626,365, Jan. 20.
Generator coupling circuit. J. E. Evans and F. F. Rieke. 2,658,148, Nov. 3.
Generator for machine control systems, Frequency. L. E. de Neergaard. 2,640,938, June 2.
Generator for radar systems and the like, Cathode-ray tube timing pulse. J. L. Russell and E. E. Herman. 2,639,425, May 19.
Generator for short-circuit testing, Electric. H. Leyburn. 2,640,961, June 2.
Generator for stoves and the like, Gas. H. De Andrade Só. 2,643,943, June 30.
Generator having a large voltage drop, Direct current electric. C. Volff and B. Bogatenkoff. 2,645,731, July 14.
Generator lifting tool. G. G. Cannon. 2,629,584, Feb. 24.
Generator support and casing structure of box column construction, Steam. D. M. Schoenfeld. 2,654,352, Oct. 6.
Generator, turbine, and compressors, Coaxial combustion products. J. A. Petrie. 2,661,594, Dec. 8.
Generator with removable top cooling dome. J. J. Bahn. 2,650,994, Sept. 1.
Generator with self-excited exciter, Self-regulating alternating current. E. Rona. 2,659,045, Nov. 10.
Generator with variable frequency and power transmission systems. H. Deschmann. 2,629,075, Feb. 17.
Geneva mechanism. O. A. Johnson. 2,625,833, Jan. 20.
Gentisyl p-aminosalicylates and preparing same. R. M. Jacob. 2,653,163, Sept. 22.
Geometrically coated cathode-ray tube. W. H. Nickless and L. Grunfelder. 2,631,254, Mar. 10.
Geophone, Vertical component low-frequency. G. B. Loper and S. N. Heaps. 2,636,160, Apr. 21.
Geophysical display system. F. Rieber. 2,658,579, Nov. 10.
Geophysical exploration. H. T. F. Lundberg and T. Zuschlag. 2,636,924, Apr. 28.
Geophysical exploration using radioactive material. J. J. Arps. 2,659,046, Nov. 10.
Geophysical prospecting device. C. F. Sellers. 2,627,727, Feb. 10.
Germanium photocell. W. C. Dunlap, Jr. 2,644,852, July 7.
Germicidal detergent composition. M. W. Marcoux. 2,658,873, Nov. 10.
Germicidal receptacle. R. R. Farrell. 2,652,173, Sept. 15.
Germicide seed treating apparatus. A. O. Siren. 2,661,868, Dec. 8.
Getter material for electron discharge devices. E. A. Lederer. 2,661,336, Dec. 1.
Gift box and greeting card carrier, Combined. J. Clerc. 2,655,260, Oct. 13.
Gill drawing frame. R. C. Berker. 2,629,137, Feb. 24.
Gin pole and universal top assembly therefor. L. S. Johnson. 2,644,666, July 7.
Girdle. P. Blatt. 2,649,585, Aug. 25.
Girdle. P. Blatt. 2,661,469, Dec. 8.
Girdle. J. B. Connors. 2,655,658, Oct. 20.
Girdle. R. Greco. 2,641,762, June 16.
Girdle. H. M. Herbener. 2,630,570, Mar. 10.
Girdle. H. M. Herbener. 2,630,576, Mar. 10.
Girdle. H. Sands. 2,632,166, Mar. 24.
Girdle and resilient support. H. M. Herbener. 2,632,891, Mar. 31.
Girdle construction. F. R. Hickey. 2,633,575, Apr. 7.
Girdle construction. E. R. Kaupp. 2,637,033, May 5.
Girdle construction. B. Murdock. 2,632,165, Mar. 24.
Girdle, Elastic. H. M. Herbener. 2,630,571, Mar. 10.
Girdle, Lady's. E. Brzozowski. 2,643,383, June 30.
Girdle, Maternity. B. Wohlman. 2,651,778, Sept. 15.
Girdle pad. V. Milstein. 2,633,572, Apr. 7.
Girdle, Panty. A. J. Fox. 2,651,777, Sept. 15.
Girdle with a lining of fibers, Latex. H. J. Barth. 2,636,173, Apr. 28.
Glare eliminating device for rearview mirrors of motor vehicles. E. F. Piwczynski and R. Galinski. 2,639,641, May 26.
Glare filter. E. F. Piwczynski and R. Galinski. 2,632,669, Mar. 24.
Glare screen. J. D. Ryan and P. T. Mattimoe. 2,636,420, Apr. 28.
Glare shield attachment, Eyeglass. E. R. Poole. 2,640,988, June 9.
Glare shield for spectacles. C. J. Gale. 2,639,430, May 26.
Glare-shielding device. M. H. Thornton. 2,660,728, Dec. 1.
Glass beads, Making. P. Lebrun. 2,643,488, June 30.
Glass bulb feed, Automatic. J. J. Kirby and M. E. McGowan. 2,649,214, Aug. 18.
Glass by electric heating, Method and apparatus for the manufacture of. R. E. Lambert. 2,636,913, Apr. 28.
Glass charge distributing apparatus. L. N. Pond. 2,637,429, May 5.
Glass composition. D. P. Dingledy. 2,664,359, Dec. 29.
Glass cutter. A. T. Fletcher. 2,652,659, Sept. 22.
Glass cutting gauge and breaker. D. R. Corrado. 2,629,174, Feb. 24.
Glass cutting machine. N. H. Klages. 2,650,430, Sept. 1.
Glass-cutting mechanism, Bulb-edge. L. Giulioli and T. A. Insolio. 2,659,148, Nov. 17.
Glass enamels sulfide resistant, Making. R. W. Pelz. 2,634,195, Apr. 7.
Glass feeder refractory implement chuck. K. E. Peller. 2,654,186, Oct. 6.
Glass feeder spout, Molten. W. T. Honiss. 2,654,185, Oct. 6.
Glass feeding apparatus. K. E. Peller. 2,654,184, Oct. 6.
Glass fibers and bonded mat, Producing. D. Labino. 2,663,906, Dec. 29.
Glass fiber drawing device. J. F. Courtney and A. C. Radtke. 2,654,182, Oct. 6.
Glass fiber drawing device. A. C. Radtke. 2,654,183, Oct. 6.
Glass fiber mats, Forming. A. L. Simison. 2,639,759, May 26.
Glass filaments, Producing continuous. H. A. Toulmin, Jr. 2,635,389, Apr. 21.
Glass forming mold. J. W. Giffen. 2,662,347, Dec. 15.
Glass, Illuminated drinking. R. E. Simpson. 2,663,866, Dec. 22.
Glass induction furnace. L. O. Upton. 2,635,125, Apr. 14.
Glass involving high-frequency vibration, Process and apparatus for making. I. Peyches and E. V. Borel. 2,635,388, Apr. 21.
Glass, Laminated safety. R. A. Gaiser. 2,640,904, June 2.
Glass level indicator. J. A. Voorhies and J. E. Frazier. 2,625,593, Jan. 13.

Glass lifting mechanism for hurricane lamps. P. F. M. Pitavy. 2,654,829, Oct. 6.
Glass-lined pump. O. W. Greene. 2,658,454, Nov. 10.
Glass, Manufacture of. P. H. La Burthe. 2,658,093, Nov. 3.
Glass, Neutron absorbing. L. M. Melnick, H. W. Safford, K. Sun, and A. Silverman. 2,660,532, Nov. 24.
Glass paper, Making. D. Labino. 2,658,848, Nov. 10.
Glass plaques, Producing. C. H. Goddard. 2,658,311, Nov. 10.
Glass, Sculpturing. S. D. Stookey. 2,628,160, Feb. 10.
Glass severing. J. W. Giffen and J. C. Overmyer. 2,629,206, Feb. 24.
Glass severing apparatus. J. W. Giffen. 2,662,289, Dec. 15.
Glass, Sight gauge. E. F. Vilter. 2,629,262, Feb. 24.
Glass strand reinforced paper. H. C. Crandall. 2,653,090, Sept. 22.
Glass-to-metal seal. R. T. Foley and H. A. Omley. 2,651,144, Sept. 8.
Glass tube cutter. L. A. Pierson. 2,631,411, Mar. 17.
Glassware blowhead arrangement. S. E. Winder. 2,640,298, June 2.
Glassware lehr loader. C. E. Launius and H. L. Brewer. 2,647,613, Aug. 4.
Glassware takeout apparatus. G. E. Rowe. 2,660,831, Dec. 1.
Glass working machine. R. A. Hinkley. 2,637,942, May 12.
Glasses, compositions thereof, articles embodying said glasses, and making and using the same. R. B. Barnes and W. A. Fraser. 2,655,452, Oct. 13.
Glazing. R. Touvay. 2,641,341, June 9.
Glazing clip. V. T. Creegan. 2,637,423, May 5.
Glide path control system. F. L. Moseley. 2,663,520, Dec. 22.
Glide path selector for blind landing systems. J. Charlton. 2,663,017, Dec. 15.
Glider, Furniture. P. D. Becker. 2,637,063, May 5.
Glider, Furniture. P. D. Becker. 2,640,219, June 2.
Glider hanger. J. S. Petersen. 2,634,793, Apr. 14.
Globe and manufacture, Flexible inflatable and deflatable. L. S. Carroll. 2,643,598, June 30.
Globe assembly, Indirectly illuminated. R. R. Dupler. 2,641,683, June 9.
Globe map which can be inflated or deflated. C. George. 2,635,358, Apr. 21.
Glossy molding process for ethylene polymers. K. J. Persak. 2,624,916, Jan. 13.
Glove. E. L. Bobbitt. 2,661,476, Dec. 8.
Glove. E. L. V. Edler. 2,655,662, Oct. 20.
Glove. E. M. Morrison. 2,653,601, Sept. 29.
Glove and making same, Padded. H. W. Tausch. 2,635,240, Apr. 21.
Glove, Baseball. H. B. Latina. 2,629,096, Feb. 24.
Glove, Baseball. B. B. Stobbe. 2,636,172, Apr. 28.
Glove compartment door latch. R. E. Lauer and C. B. Doty. 2,640,723, June 2.
Glove compartment light. T. I. Thompson. 2,662,969, Dec. 15.
Glove construction. W. H. Kuh. 2,632,171, Mar. 24.
Glove construction. L. Newbower. 2,644,164, July 7.
Glove, Cosmetic. C. L. Milton, Jr., and C. A. Nielson. 2,657,394, Nov. 3.
Glove, Flame- and heat-resistant work. I. Singer. 2,650,365, Sept. 1.
Glove, Rubber. E. La Rosa. 2,641,767, June 16.
Glow discharge treatment of gases, Method and apparatus for. E. P. Schoch. 2,638,443, May 12.
Glow tube cathode support. R. D. Hancock. 2,632,128, Mar. 17.
Glow type thermal switch. T. E. Foulke. 2,650,278, Aug. 25.
Gluconamides. C. L. Mehltretter and J. C. Rankin. 2,662,073, Dec. 8.
Glue applicator. C. W. Hollar. 2,638,072, May 12.
Glue applying apparatus for lumber gluing machine. V. J. Winkel. 2,642,835, June 23.
Glue-applying apparatus for packaging machines. R. E. Taggart. 2,659,342, Nov. 17.
Glue composition, Liquid. H. H. Young and F. L. De Beukelner. 2,658,001, Nov. 3.
Glue, Cottonseed meal. J. C. Arthur, Jr. and J. T. Hogan. 2,662,023, Dec. 8.
Glue-joining and press apparatus and method of joining the ends of abrasive strips. J. R. Hawkins. 2,660,220, Nov. 24.
Glue, Liquid. L. K. Fencil. 2,643,194, June 23.
Gluing apparatus with multiported applicator. I. H. Miller. 2,645,383, July 14.
Gluing assembly for packaging machines. R. E. Taggart. 2,659,341, Nov. 17.
Gluing device, Edge. D. L. Schubert. 2,644,496, July 7.
Gluing machine. F. H. Gillespie, C. Franzen, and D. P. Motta. 2,633,166, Mar. 31.
Gluing machine. R. E. Ohrn. 2,633,063, Mar. 31.
Glutamic acid, Production of. F. A. Hoglan. 2,647,142, July 28.
Gluten treatment. W. G. Meyer. 2,631,111, Mar. 10.
Glycidol, Preparing. H. A. Bruson and T. W. Riener. 2,636,040, Apr. 21.
Glycols, Manufacture of. D. P. Young. 2,650,940, Sept. 1.
Glycolurils, Preparation of substituted. H. Adkins, J. E. Castle, and E. E. Royals. 2,633,469, Mar. 31.
Goggle assembly. W. C. Moeller. 2,625,685, Jan. 20.
Goggle valve. G. Hookham. 2,661,770–1, Dec. 8.
Goggles. J. B. Hirschmann. 2,648,843, Aug. 18.
Gold base alloy. V. G. Mooradian. 2,654,146, Oct. 6.
Golf bag and stand. W. Sands. 2,661,174, Dec. 1.
Golf bag carrier. J. H. Gunning. 2,628,801, Feb. 17.
Golf bag holding stand. F. D. Holder. 2,661,175, Dec. 1.
Golf bag support. C. M. Hadley. 2,663,528, Dec. 22.
Golf bag support. H. S. Marsh. 2,633,317, Mar. 31.
Golf ball. R. M. Verburg. 2,652,254, Sept. 15.
Golf ball cover. R. D. Juve. 2,643,125, June 23.
Golf ball holder. H. E. Seaton and C. H. Baker. 2,661,129, Dec. 1.
Golf ball retriever. A. Bailey. 2,658,637, Nov. 10.
Golf ball retriever. L. Jones. 2,658,785, Nov. 10.
Golf ball retriever. E. G. Lockie. 2,656,061, Oct. 20.
Golf ball tester, Portable. G. M. Wick. 2,628,496, Feb. 17.
Golf cart, Collapsible. J. F. Chamberlin. 2,626,815, Jan. 27.
Golf cart, Foldable. J. F. Chamberlin. 2,626,814, Jan. 27.
Golf cart, Folding. R. A. Johnson. 2,635,893, Apr. 21.
Golf club. H. H. Murphy. 2,628,099, Feb. 10.
Golf club, Adjustable. H. R. Putnam. 2,644,689, July 7.
Golf club box. W. G. Anderson, Jr. 2,645,353, July 14.
Golf club carrier. G. R. Hurst. 2,662,776, Dec. 15.
Golf club construction. A. S. Liebers. 2,654,608, Oct. 6.
Golf club, Double-faced. C. W. Jackson. 2,661,952, Dec. 8.
Golf club grip. F. Mishkinis. 2,627,410, Feb. 3.
Golf club head cover. A. S. Reed. 2,633,173, Mar. 31.
Golf club shipping and display receptacle. C. D. Welshenbach. 2,629,499, Feb. 24.
Golf club velocity indicating device. J. Walker. 2,630,012, Mar. 3.
Golf cup, Simulated. W. H. Rath. 2,635,879, Apr. 21.
Golf game and practice apparatus. E. Van Kinkle. 2,641,932, June 16.
Golf game and practice device. E. Van Kinkle. 2,641,933, June 16.
Golf grip device. B. M. Beebe. 2,628,100, Feb. 10.
Golf indicator apparatus. A. Molinar. 2,652,251, Sept. 15.
Golf instruction aid, Mechanical. F. Zega. 2,653,025, Sept. 22.
Golf instruction apparatus. A. D. Sheffer. 2,655,378, Oct. 13.
Golf practice target device. J. I. Miller. 2,626,152, Jan. 20.
Golf practicing apparatus. G. M. Jenks. 2,626,151, Jan. 20.
Golf putting practice device. G. A. Hartung. 2,653,815, Sept. 29.
Golf tee. J. A. Karns. 2,626,150, Jan. 20.
Golf tee, Air-controlled solenoid. B. A. Hogeberg. 2,643,883, June 30.
Golf tee holder. H. O. Perry. 2,662,677, Dec. 15.
Golf tee with hollow base, Rubber. P. J. Barnard. 2,661,213, Dec. 1.
Gondola car end. J. S. Swann. 2,626,573, Jan. 27.
Gong construction and mounting. G. R. Fish. 2,646,768, July 28.
Goodyear-welt shoes, Making. A. Kamborian. 2,659,912, Nov. 24.
Gooseneck connection. V. W. Meng. 2,640,734, June 2.
Gopher trap. J. Nantt. 2,638,700, May 19.
Governing mechanism with variable force. M. Frenkel. 2,651,516, Sept. 8.
Governing power stations, Means for. K. Almström, A. Garde, S. E. Hedström, and E. Brodersen. 2,643,345, June 23.
Governor. W. Laubach. 2,643,672, June 30.
Governor. D. J. Schaffer. 2,662,512, Dec. 15.
Governor, Centrifugal. J. C. Winslow and C. R. Boothby. 2,639,134, May 19.
Governor control for internal-combustion engine throttle valves, Flexible. M. F. Peltz. 2,639,700, May 26.
Governor for automatic opening control of parachutes. H. G. Heinrich. 2,626,117, Jan. 20.
Governor for compression ignition engines, Pneumatic. P. G. Vanni. 2,642,855, June 23.
Governor for electric motors, Delayed-action. A. J. Regna. 2,631,026, Mar. 10.
Governor for gas turbine engine fuel systems, Hydraulic. K. R. Davies and K. Herbstritt. 2,651,517, Sept. 8.
Governor for internal-combustion engines and the like, Variable speed centrifugal. J. S. Jennings. 2,646,269, July 21.
Governor for internal-combustion engines, Speed responsive. R. D. Fageol. 2,651,316, Sept. 8.
Governor for jet engines with electrically operated safety device, Hydraulically operated speed. A. G. Silvester. 2,628,672, Feb. 17.
Governor for liquid fuel injection pumps. W. E. W. Nicolls. 2,659,354, Nov. 17.
Governor for prime mover with compressed air control for adjusting it to a wide range of speeds. R. R. Crookston. 2,656,174, Oct. 20.
Governor for sprayers. L. E. Bartling. 2,662,795, Dec. 15.
Governor having hydraulically assisted speed setting control, Centrifugal type. C. R. Maxwell and K. J. Fleck. 2,648,533, Feb. 11.

Governor having spring rate and tension adjustment means. G. C. Fricke, E. M. Bimberg, and D. J. Schaffer. 2,644,682, July 7.
Governor having weights successively supported by spaced pivots, Centrifugal. R. C. Barnes. 2,646,978, July 28.
Governor head vibration dampener. B. E. Wheeler. 2,645,237, July 14.
Governor steam control and emergency valve for steam turbines. K. MacDonald. 2,633,857, Apr. 7.
Governor structure. H. G. Adler. 2,635,596, Apr. 21.
Grab. W. J. Olson. 2,642,307, June 16.
Grab. W. J. Olson. 2,648,562, Aug. 11.
Grab block for fork lift trucks. V. L. Watkins. 2,659,506, Nov. 17.
Grade meter. D. T. Watkins. 2,624,954, Jan. 13.
Grader, Electronic egg. T. Gascoigne. 2,636,925, Apr. 28.
Gradient indicating level. H. A. Levrero. 2,627,666, Feb. 10.
Grading appratus, Article. H. D. Roop. 2,644,097, June 30.
Grading articles by size, Means for. S. Ballard, Jr. and P. Renold. 2,661,840, Dec. 8.
Grading device, Fruit. E. M. Wayland. 2,630,222, Mar. 3.
Grading device, Fruit. E. M. Wayland and C. W. Smith. 2,630,223, Mar. 3.
Grading or dozing device. M. H. Ewers, B. E. Haney, and T. E. Ewers. 2,629,946, Mar. 3.
Gradiometer, Magnetic. W. E. Wickerham and O. K. Doolen. 2,663,843, Dec. 22.
Graduated connecting links for diversely insulated electric cables, Making. G. L. Pouzet. 2,645,819, July 21.
Graduation cap. T. La Maida. 2,629,874, Mar. 3.
Grain aspirating machine. R. B. Dodds. 2,645,345, July 14.
Grain bed for vehicles. H. C. Sego. 2,661,104, Dec. 1.
Grain cutting and polishing machine. H. F. Leonhard. 2,633,885, Apr. 7.
Grain cutting and windrow forming implement. J. L. Hughes and A. R. Hyatt. 2,652,675, Sept. 22.
Grain drier. B. F. Greiman. 2,641,063, June 9.
Grain drier. O. O. Hobson. 2,645,991, July 21.
Grain drier. L. V. Molenaar. 2,654,590, Oct. 6.
Grain drier. B. L. Tomlinson. 2,657,032, Oct. 27.
Grain drier. B. L. Tomlinson and D. E. Carlson. 2,657,031, Oct. 27.
Grain lifting device. S. Klug. 2,660,020, Nov. 24.
Grain stabilizing metals and alloys. J. S. Streicher. 2,636,819, Apr. 28.
Grain treatment means. H. A. Westberg. 2,651,285, Sept. 8.
Grain unloading attachment. R. G. Heun. 2,625,001, Jan. 13.
Grain unloader, Boxcar. G. F. Schmidt. 2,649,189, Aug. 18.
Graininess meter. M. H. Sweet. 2,641,158, June 9.
Grandstand. C. Mackintosh. 2,663,913–14, Dec. 29.
Grandstand, Portable. S. S. Storer, Jr. 2,651,081, Sept. 8.
Grandstand, Steel deck. J. O. Jackson. 2,636,225, Apr. 28.
Granular beryllium fluoride, Production of. K. A. Walsh and H. A. Wilhelm. 2,635,944, Apr. 21.
Granulated material feeding apparatus. H. W. Hapman. 2,624,474, Jan. 6.
Granulating machine, Rotary. L. Burn, H. Todd, and J. Oliver. 2,639,747, May 26.
Granulating plastic materials, Means for. I. Hinerfeld. 2,639,096, May 19.
Graph plotting machine. D. W. Young and J. B. Trenholm, Jr. 2,651,400, Sept. 8.
Graph sensing device. R. D. Hancock. 2,635,195, Apr. 14.
Graph transformation device. R. D. Hancock and L. T. Prothers. 2,624,848, Jan. 6.
Graphic recording. C. F. Carlson. 2,624,652, Jan. 6.
Graphite, Production of fine. D. Gardner. 2,653,082, Sept. 22.
Graphitization of carbon articles. V. C. Hamister. 2,644,020, June 30.
Grapple. R. O. Billings. 2,639,937, May 26.
Grapple. R. O. Billings. 2,652,280, Sept. 15.
Grapple. T. Lauro. 2,661,978, Dec. 8.
Grapple. F. D. Tibbs. 2,634,158, Apr. 7.
Grapple holder. S. J. Procos. 2,639,158, May 19.
Grappling unit. C. W. Knapp. 2,624,611, Jan. 6.
Grasp device for hand trucks. C. F. Ernst. 2,635,775, Apr. 21.
Grass and weed trimmers, Rotary. G. J. Ries. 2,648,187, Aug. 11.
Grass detector for mowers. W. L. Weaklend. 2,627,157, Feb. 3.
Grass edge cutter. F. H. Davis. 2,624,938, Jan. 13.
Grass edger and trimmer. H. V. Rooke. 2,653,381, Sept. 29.
Grate, Automatically controlled ash removing. F. J. and E. West. 2,641,208, June 9.
Grate, Top burner. W. E. Williams. 2,632,436, Mar. 24.
Grater. F. D. Peel. 2,639,748, May 26.
Grating. P. Kerrigan, Jr. 2,656,903, Oct. 27.
Grating. E. L. Tarof. 2,660,102, Nov. 24.
Grating, Open floor. G. T. Beebe and H. M. Priest. 2,645,985, July 21.
Gravel packing apparatus and arranging same in well casings. G. F. Abendroth, G. H. Tausch, and J. Ward, III. 2,651,369, Sept. 8.
Gravel packing wells, Method and apparatus for. H. S. Arendt and G. F. Abendroth. 2,652,117, Sept. 15.
Gravel spreader. G. J. Osterfeld. 2,647,448, Aug. 4.
Gravel spreader. M. R. Rasmussen. 2,645,986, July 21.
Gravimeter apparatus. E. W. Frowe. 2,660,062, Nov. 24.
Gravitational torquing means for gyro instruments. F. D. Braddon. 2,656,726, Oct. 27.
Gravitometer, Gas. S. W. Binckley. 2,641,923, June 16.
Gravity bed reactor. K. M. Watson. 2,626,205, Jan. 20.
Gravity davit. H. G. Taylor. 2,632,188, Mar. 24.
Gravity dewaxing of wax-bearing hydrocarbon fractions. H. C. Myers and A. O. Pukkila 2,658,854, Nov 10.
Gravity feed adapter for sheet metal containers. E. C. Hobbs. 2,651,440, Sept. 8.
Gravity meter. C. H. Fay and R. R. Goodell. 2,657,581, Nov. 3.
Gravity return bump gate. W. H. Koch and E. Strom. 2,629,191, Feb. 24.
Gravity sample heater. A. L. Jenkins. 2,625,641, Jan. 13.
Gravity sorter and fast normulizer. D. C. Cox. 2,656,923, Oct. 27.
Gravity suspension hanger. R. K. and T. B. Farrington and R. F. Kurzenberger. 2,663,536, Dec. 22.
Gravure printing of typographical characters, Means for. H. R. Freund. 2,662,455, Dec. 15.
Grease. W. C. Bryant. 2,640,812, June 2.
Grease. H. J. Liehe. 2,629,692, Feb. 24.
Grease compacter. A. Stabler. 2,649,165, Aug. 18.
Grease composition. W. H. Peterson. 2,647,872, Aug. 4.
Grease composition. H. A. Woods and J. A. Edgar. 2,629,694, Feb. 24.
Grease composition. H. A. Woods and R. C. Jones. 2,652,362, Sept. 15.
Grease compositions. S. T. Abrams and F. H. Stross. 2,626,899, Jan. 27.
Grease compositions. W. H. Peterson and T. Skei. 2,637,694, May 5.
Grease compositions. W. H. Peterson and T. Skei. 2,648,633, Aug. 11.
Grease compositions. F. H. Stross and S. T. Abrams. 2,635,078, Apr. 14.
Grease compositions. F. H. Stross, S. T. Abrams, and W. H. Peterson. 2,658,869, Nov. 10.
Grease compositions. H. A. Woods and L. C. Bollinger. 2,652,361, Sept. 15.
Grease compositions. H. A. Woods and L. C. Bollinger. 2,652,363, Sept. 15.
Grease compositions, High-temperature. H. A. Woods and L. C. Bollinger. 2,652,364, Sept. 15.
Grease compositions, Manufacture of. R. J. Moore and J. N. Wilson. 2,652,365, Sept. 15.
Grease containing diphenyl P-phenylene diamine and a phosphorus acid ester and making said grease. J. P. Dilworth. 2,663,691, Dec. 22.
Grease deflector. H. O. Thomas. 2,646,857, July 28.
Grease gun. O. A. Dirksen. 2,650,744, Sept. 1.
Grease gun, Electric hand. G. G. MacKinnon. 2,626,085, Jan. 20.
Grease, Lubricating. J. R. Allison and W. L. Blalock. 2,628,195, Feb. 10.
Grease manufacture. W. H. Peterson. 2,629,691, Feb. 24.
Grease preparation. G. V. Browning and G. M. Webb. 2,636,001, Apr. 21.
Greases and preparing the same, Trough. F. H. MacLaren and L. P. Schwartz. 2,661,318, Dec. 1.
Greases using reaction products of alpha-hydroxy fatty acids, Production of. W. B. Whitney. 2,628,938, Feb. 17.
Greasing apparatus, Pan. E. Koerber. 2,633,821, Apr. 7.
Greasing device, Dough. H. C. Rhodes. 2,636,470, Apr. 28.
Greenhouse construction. A. B. Kleinhans. 2,639,009, May 19.
Greenhouse, Prefabricated. S. Jacobs. 2,653,553, Sept. 29.
Greenhouse ridge assembly. K. W. Weeber. 2,642,018, June 16.
Greenhouse structure. S. Jacobs. 2,624,427, Jan. 6.
Greenhouse with means for controlling light and heat. A. G. McKee. 2,639,551, May 26.
Greeting card, Novelty. A. Barker. 2,645,481, July 14.
Grid construction. L. C. Werner. 2,648,797, Aug. 11.
Grid construction for rooflight. G. H. Lenke. 2,655,881, Oct. 20.
Grid electrode for electron discharge devices. C. H. Foulkes. 2,624,100, Jan. 6.
Grid for ice trays, Expansible. R. M. Storer. 2,654,230, Oct. 6.
Grid mounting for color television picture tubes. R. G. Olson. Re. 23,735, Nov. 10.
Grid port structure for gas burners. V. R. Abrams. 2,627,910, Feb. 10.
Grid structures, Manufacture of. V. J. Legendre and J. V. Volk. 2,654,401, Oct. 6.
Grid tension stop device. W. H. Shontz. 2,635,821, Apr. 21.

Grignard reagents of organoalkoxysilanes. J. L. Speier. 2,640,067, May 26.
Grill. C. A. Boyce. 2,638,841, May 19.
Grill, Adjustable. C. J. White. 2,637,313, May 5.
Grill, Air supply. G. K. J. Broberg. 2,655,857, Oct. 20.
Grill, Electric. A. Valentini and T. Oertli. 2,644,880, July 7.
Grill, Portable. J. W. Snyder. 2,625,148, Jan. 13.
Grill, Portable cooking. L. H. Metzger. 2,631,579, Mar. 17.
Grill, Portable double bacon. W. F. Cralle. 2,652,766, Sept. 22.
Grid, Sandwich. A. S. Knapp. 2,632,380, Mar. 24.
Grill with pressure applying, Double electric. H. M. Kudo. 2,632,379, Mar. 24.
Grille. W. W. Kennedy. 2,625,873–4, Jan. 20.
Grille. R. L. Leigh. 2,652,133, Sept. 15.
Grille. J. E. Peterson. 2,630,054, Mar. 3.
Grille, Adjustable. W. W. Kennedy. 2,630,053, Mar. 3.
Grille, Adjustable. R. P. Sweger. 2,640,412, June 2.
Grille, Adjustable ventilator. C. A. Reichelderfer. 2,642,792, June 23.
Grille guard. H. Poncher and J. E. Poncher. 2,650,849, Sept. 1.
Grille, Portable. S. J. Sava. 2,627,854, Feb. 10.
Grille, Screen door. L. A. Macklanburg. 2,657,746, Nov. 3.
Grille, Street gutter drainage. S. P. and G. R. Broussard. 2,645,302, July 14.
Grille structure. V. D. Castle. 2,646,741, July 28.
Grinder. W. S. Praeg. 2,650,655, Oct. 27.
Grinder, Back-stand. R. W. Reed. 2,637,952, May 12.
Grinder, Belt. J. McEwan. 2,640,304, June 2.
Grinder, Cam. R. E. Price. 2,639,559, May 26.
Grinder, Car wheel. H. E. Balsiger. 2,626,492, Jan. 27.
Grinder control mechanism and control means therefor, Garbage. J. Drew. 2,657,397, Nov. 3.
Grinder, Electric. H. Skreberg. 2,636,323, Apr. 28.
Grinder for engine cylinders, Ridge. M. S. Burkholder. 2,659,186, Nov. 17.
Grinder for roller-skate wheels. G. K. Ware. 2,628,459, Feb. 17.
Grinder, Garbage. W. Lamb. 2,643,066, June 23.
Grinder gauge. P. H. Conradson. 2,647,346, Aug. 4.
Grinder, Hydraulic roll. B. A. Wilson. 2,646,651, July 28.
Grinder, Leaf. J. M. Williams and T. L. May. 2,647,694, Aug. 4.
Grinder, Meat. P. Güldenring. 2,661,040, Dec. 1.
Grinder mechanism for cleaning brake shoes. H. Thomason. 2,644,281, July 7.
Grinder, Pneumatic. J. F. Zelik, F. A. Jennings, and F. A. High. 2,648,939, Aug. 18.
Grinder, Router bit. D. C. Green. 2,629,974, Mar. 3.
Grinder, Snagging. G. E. Comstock, 3d. 2,651,888, Sept. 15.
Grinder, Tooth face. H. Schicht. 2,660,839, Dec. 1.
Grinder with meshing teeth for knives, etc. B. K. Murchison. 2,646,653, July 28.
Grinding and polishing machine. L. Knlep, Jr. 2,632,981, Mar. 31.
Grinding apparatus. Z. W. Whitehouse. 2,627,704, Feb. 10.
Grinding apparatus, Valve seat. P. Weynand. 2,648,938, Aug. 18.
Grinding attachment. J. Airlie and W. W. Mackay. 2,626,488, Jan. 27.
Grinding attachment for lathes. I. F. Walkey. 2,645,069, July 14.
Grinding attachment for lawn mower sharpening machines. J. M. Pickel. 2,627,142, Feb. 3.
Grinding attachment for straight edge wood tool blades. N. J. Rivard. 2,636,326, Apr. 28.
Grinding carbide tools. W. H. West, Jr. 2,635,399, Apr. 21.
Grinding device for lawn mowers. O. C. Rink. 2,624,983, Jan. 13.
Grinding device, Roll. C. F. Schnuck. 2,651,152, Sept. 8.
Grinding disk. D. M. Sutherland. 2,651,976, Sept. 15.
Grinding implement, Rotary. F. C. Fehrman. 2,655,725, Oct. 20.
Grinding lining for Jordan engines, Removable. H. D. Stuck. 2,633,778, Apr. 7.
Grinding machine. H. E. Balsiger. 2,624,159, Jan. 6.
Grinding machine. A. J. Bowen. 2,658,313, Nov. 10.
Grinding machine. K. C. Burroughs. 2,643,491, June 30.
Grinding machine. H. E. Drake. 2,656,987, Oct. 27.
Grinding machine. C. L. Garrison. 2,629,972, Mar. 3.
Grinding machine. C. J. Green. 2,640,300, June 2.
Grinding machine. F. P. Hegeman. 2,660,006, Nov. 24.
Grinding machine. O. E. Hill. 2,660,837, Dec. 1.
Grinding machine. O. E. Hill and C. G. Flygare. 2,640,301, June 2.
Grinding machine. R. G. Kirby. 2,641,874, June 16.
Grinding machine. J. C. Moore. 2,625,772, Jan. 20.
Grinding machine. H. A. Silven. 2,647,349, Aug. 4.
Grinding machine. H. A. Silven. 2,648,172, Aug. 11.
Grinding machine and method. K. C. Burroughs. 2,643,492, June 30.
Grinding machine, Blank. L. Hajek. 2,648,936, Aug. 18.
Grinding machine, Cam. C. J. Green. 2,660,838, Dec. 1.
Grinding machine, Crank. H. E. Balsiger and R. E. Price. 2,638,719, May 19.
Grinding machine, Endless band. D. F. Collins, G. E. Apel, and R. W. Fuller. 2,644,278, July 7.
Grinding machine, Gear. H. Bühler. 2,628,458, Feb. 17.
Grinding machine for lenses, Automatic edge. R. Rubinstein. 2,651,890, Sept. 15.
Grinding machine for shaping surfaces. C. J. Green. 2,660,836, Dec. 1.
Grinding machine, Internal. H. L. Blood. 2,646,652, July 28.
Grinding machine, Multiple wheel. O. E. Hill. 2,648,171, Aug. 11.
Grinding machine, Precision. J. Decker and B. A. Kearns. 2,641,876, June 16.
Grinding machine, Precision. C. T. Rhodes. 2,662,352, Dec. 15.
Grinding machine, Valve stem. H. E. Miller. 2,645,887, July 21.
Grinding machine with crush-dressing attachment. L. F. Polk. Re. 23,739, Nov. 17.
Grinding machine with optical comparator, Operator-controlled. J. A. Allan and F. C. Savage. 2,652,664, Sept. 22.
Grinding machine with wheel surface position indicator. R. D. Gardner. 2,656,653, Oct. 27.
Grinding mill with abrasive liner and angularly disposed feed conduit, Centrifugal. H. A. Noll. 2,651,471, Sept. 8.
Grinding of irregular shaped work. J. A. Carlson, V. H. Bathrick, and A. J. Morse. 2,636,322, Apr. 28.
Grinding of thermosetting aminoplastic granular molding compositions. V. J. Wilhousky. 2,624,514, Jan. 6.
Grinding piston rings, Process and apparatus for. G. R. Squibb and D. A. Urquhart. 2,654,977, Oct. 13.
Grinding wheel. J. R. Erickson. 2,643,494, June 30.
Grinding wheel. J. R. Erickson. 2,656,654, Oct. 27.
Grinding wheel. E. D. Teague. 2,624,660, Jan. 6.
Grinding wheel. E. D. Teague. 2,652,320–1, Sept. 15.
Grinding wheel dresser. C. D. Chandler. 2,638,886, May 19.
Grinding wheel dresser. G. Eaton. 2,638,887, May 19.
Grinding wheel dressing apparatus. N. Hoglund. 2,658,500–1, Nov. 10.
Grinding wheel dressing apparatus. H. G. Norlander. 2,640,477, June 2.
Grinding wheel dressing device. D. Alderman. 2,637,312, May 5.
Grinding wheel dressing mechanism. S. P. Bruce. 2,629,368, Feb. 24.
Grinding wheel dressing mechanism. S. P. Bruce. 2,630,109, Mar. 3.
Grinding wheel dressing mechanism. N. Hoglund. 2,658,498–9; Nov. 10.
Grinding wheel feeding mechanism. H. L. Swainey. 2,639,563, May 26.
Grinding wheel-speed control. C. G. Flygare and C. C. Alvord. 2,642,703, June 23.
Grinding wheel speed regulator. R. G. Kirby, J. M. Morgan, Jr., and J. Decker. 2,641,875, June 16.
Grinding wheel spindle. J. J. Osplack. 2,629,976, Mar. 3.
Grinding wheel truing apparatus. O. E. Hill. 2,647,504, Aug. 4.
Grinding wheel truing apparatus. O. E. Hill. 2,659,358–9, Nov. 17.
Grinding wheel truing device. A. Aeppli. 2,634,556, Apr. 14.
Grindings catcher and shield. H. Globe. 2,637,852, May 12.
Grip bolt. J. H. Tansey. 2,631,488, Mar. 17.
Grip developer, Adjustable. J. E. Mock. 2,634,976, Apr. 14.
Grip finder for golf clubs, Nonhook nonslice. J. R. Hara. 2,645,484, July 14.
Grip-nut for sheet metal fastening. A. J. Higgins. 2,630,733, Mar. 10.
Gripper for printing presses. S. Meckler. 2,651,991, Sept. 15.
Gripper pad means for cylinder type printing presses. G. Esposito. 2,634,678, Apr. 14.
Gripping device. D. W. Wasshem. 2,652,734, Sept. 22.
Gripping device for welding electrode holders and the like. A. M. Candy. 2,634,356, Apr. 7.
Gripping device with pivoted actuator and having pawl and rack locking means. L. M. Walter. 2,648,242, Aug. 11.
Gripping machine. V. J. Hugo, J. A. Miller, and H. Ottinger. 2,656,748, Oct. 27.
Gripping tool. C. Petersen. 2,641,149, June 9.
Grommet, Strain-relief. G. M. Rapata. 2,664,458, Dec. 29.
Grommeted lead panel for oil-filled electrical apparatus. W. C. Sealey. 2,656,403, Oct. 20.
Grommets, Making. R. C. Davis and J. T. Marvin. 2,660,759, Dec. 1.
Grooving and flexible form installing attachment for road paving machines. G. T. Nelson. 2,644,378, July 7.
Grooving tool. A. H. Nolde and A. D. Guagliardo. 2,629,269, Feb. 24.
Ground anchor. H. B. McKee. 2,660,276, Nov. 24.
Ground brake. P. Durkin. 2,650,679, Sept. 1.
Ground connection for ultrahigh-frequency devices. H. P. Mensch. 2,636,919, Apr. 28.
Ground detector. E. L. Brancato and A. T. McClinton. 2,632,037, Mar. 17.

Ground detector and protective system. H. L. Kammerdiener. 2,637,843, May 5.
Ground leak measuring circuit. T. A. Rich. 2,627,540, Feb. 3.
Ground potential compensator. C. L. Loudon. 2,651,773, Sept. 8.
Ground rod driver. J. S. T. McDowell. 2,629,985, Mar. 3.
Ground roller hold-down attachment for lawn mowers. J. B. Johnston. 2,629,222, Feb. 24.
Ground working machine. C. E., K., and R. C. Ferguson. 2,638,043, May 12.
Groundworking machine. C. E., K., and R. C. Ferguson. 2,638,831, May 19.
Grounding and testing device for metal clad switchgears. J. F. Chipman. 2,662,994, Dec. 15.
Grounding terminal. F. A. Dutra. 2,626,973, Jan. 27.
Grouser. T. J. Hollenkamp. 2,645,532, July 14.
Grouting machine. H. F. Zagray and F. W. Wack. 2,633,340, Mar. 31.
Growing crystals, Methods and apparatus for. A. J. Warner and S. G. Foord. 2,651,566, Sept. 8.
Growing grass and other vegetation. T. F. N. Alexander. 2,632,979, Mar. 31.
Growth promoting preparations for plants. H. Veldstra. 2,639,983, May 26.
Grubber. E. M. Hawkins. 2,650,063, Aug. 25.
Guanazole, Preparation of. J. J. Roemer and D. W. Kaiser. 2,648,671, Aug. 11.
Guanazoles, Preparation of. D. W. Kaiser and J. J. Roemer. 2,648,670, Aug. 11.
Guanidino fatty acid, Preparation of. B. Vassel and R. Garst. 2,654,779, Oct. 6.
Guanidine salts of pentachlorophenol. M. W. Harman. 2,659,755, Nov. 17.
Guanidine sulfate from urea and sulfur dioxide. J. S. Mackay. 2,653,976, Sept. 29.
Guanidine thiocyanate, Preparation of. N. H. Marsh. 2,658,917, Nov. 10.
Guanylurea salts or penicillin. L. Ritter and J. F. Weidenheimer. 2,631,152, Mar. 10.
Guard bearing. L. A. Johnson. 2,657,102, Oct. 27.
Guard device for machine tools. A. Bechler. 2,655,067, Oct. 13.
Guard construction for machine tools. A. Bechler 2,648,239, Aug. 11.
Guard for automobile grilles and radiators. R. G. Perrigo. 2,650,850, Sept. 1.
Guard for automobiles, Grille. J. A. Barnas. 2,650,126, Aug. 25.
Guard for bathtubs and shower stalls. H. E. Jumper. 2,644,954, July 14.
Guard for beds, Side. R. E. Warren. 2,648,850, Aug. 18.
Guard for high chairs, Safety. M. S. Byrne. 2,664,150, Dec. 29.
Guard for industrial machines. W. D. Herrick. 2,664,332, Dec. 29.
Guard for portable power saws. J. V. Doug. 2,659,399, Nov. 17.
Guard for rotary fans, Protective. A. L. Collins. 2,654,533, Oct. 6.
Guard for saws. C. C. Petersen. 2,659,400, Nov. 17.
Guard for sickle blade of harvesting machines. W. A. Brown. 2,629,980, Mar. 3.
Guard for the eyes, Sun. H. A. and H. E. Triebes. 2,642,569, June 23.
Guard for trouble lamps, Separable. B. and I. Fineman. 2,659,810, Nov. 17.
Guard for vehicle bumpers. R. N. Baker. 2,629,623, Feb. 24.
Guardrail for beds, Detachable. N. L. Rude. 2,624,055, Jan. 6.
Guardrail for stoves, Vented. D. P. O'Keefe. 2,638,893, May 19.
Guarding selective adsorption separation systems. C. R. Ringham and R. K. Simms. 2,632,726, Mar. 24.
Guide. A. A. Huber. 2,634,066, Apr. 7.
Guide attachment for hair clippers. G. E. Thurston. 2,639,503, May 26.
Guide bar lifting mechanism for warp knitting machines. H. C. Noe. 2,634,594, Apr. 14.
Guide device for industrial flat belts, ropes, or the like. D. K. Holm. 2,655,814, Oct. 20.
Guide finger for Kluge printing presses. A. R. Boyd. 2,631,036, Mar. 10.
Guide for ball flush valves. L. A. Minton. 2,630,578, Mar. 10.
Guide for borehole tools. R. Ring. 2,625,445, Jan. 13.
Guide for electric handsaws. O. D. Harbert. 2,625,184, Jan. 13.
Guide for flush tank valves. J. R. Miller. 2,644,166, July 7.
Guide for loading bundles. R. L. Dorsey. 2,633,306, Mar. 31.
Guide for moving webs or sheets. L. F. Cooper. 2,632,642, Mar. 24.
Guide for portable power tools. S. E. Van Tuyl. 2,630,146, Mar. 3.
Guide for shear knives, Adjustable. F. E. Munschauer. 2,645,287, July 14.
Guide for two-piece platform wrapper strips. R. E. Pearsall. 2,648,302, Aug. 11.
Guide for warp beams. T. Rovas. 2,658,699, Nov. 10.
Guide for yarn carriers. E. Jentsch. 2,656,692, Oct. 27.
Guideline holder. L. N. Zinken. 2,629,178, Feb. 24.
Guide means on impeller for centrifugal pumps or blowers. A. Buchi. 2,641,191, June 9.
Guide sheave arrangement for control cable extending between tractor and trailer vehicles connected by a weight-transferring hitch. L. R. Simmons. 2,642,293, June 16.
Guided suspension means for bicycle steering wheels. A. P. Douglas and L. J. Walters. 2,660,455, Nov. 24.
Guided wave frequency range, frequency selective and equalizing structure. D. H. Ring. 2,633,492, Mar. 31.
Guided wave frequency range transducer. J. R. Pierce. 2,626,990, Jan. 27.
Guiding device for sewing machines. L. Margand. 2,657,655, Nov. 3.
Guiding device for tool machines. J. Bech. 2,638,387, May 12.
Guiding device for webs. H. F. Worm. 2,635,873, Apr. 21.
Guiding, floating, and cementing well casing in bored holes, Means for. S. B. Schnitter. 2,662,602, Dec. 15.
Guillotine knife-automatic electrical back gauge. F. W. Seybold. 2,628,680, Feb. 17.
Guillotine knife hydrauiic clamp. F. W. Seybold. 2,638,166, May 12.
Guitar and sling combination. S. R. Sottile. 2,643,039, June 23.
Guitar damper. G. Van Eps. 2,628,524, Feb. 17.
Guitar steel. R. L. Miller. 2,650,513, Sept. 1.
Guitarist's steel bar. C. F. Smith. 2,647,429, Aug. 4.
Gum ethers and process therefor. O. A. Moe. 2,650,917, Sept. 1.
Gummed tape dispenser. T. H. Krueger. 2,650,774, Sept. 1.
Gummed tape serving mechanism. R. A. Havemann and D. S. Bruce. 2,638,145, May 12.
Gun action. J. L. Hill. 2,624,241, Jan. 6.
Gun, Air. J. L. Seward. 2,633,838, Apr. 7.
Gun, Balling. J. D. Weil and W. L. Nutter, Jr. 2,650,593, Sept. 1.
Gun barrel cooling means. C. E. Ballelsen. 2,641,162, June 9.
Gun barrels, Manufacture of smoothbore. P. D. Kessler. 2,663,410, Dec. 22.
Gun blast door. G. Bussiere, Q. C. Johnson, and J. E. Straub. 2,641,967, June 16.
Gun butt and apparatus, Water. B. M. Shepard and R. P. Sullivan. 2,631,454, Mar. 17.
Gun carriage attachment for vehicle dash panels. J. W. Riley. 2,655,298, Oct. 13.
Gun carrier. R. G. and K. E. Brown. 2,647,667, Aug. 4.
Gun carrier. A. R. Wilson. 2,632,619, Mar. 24.
Gun construction for gas blast spraying heat-fusible materials. C. K. Wilson. 2,659,623, Nov. 17.
Gun control system. D. D. Terwilliger, H. Mazur, and L. L. Jackson, Jr. 2,628,535, Feb. 17.
Gun directing system. D. J. Campbell, S. P. McCabe, Jr., and H. Harris, Jr. 2,660,371, Nov. 24.
Gun fire control apparatus. A. P. Davis and J. K. Macomber. 2,658,277, Nov. 10.
Gun for delivering a detergent in foam form. P. C. Holte. 2,624,622, Jan. 6.
Gun for perforating casing. W. E. Kanady. 2,644,519, July 7.
Gun for perforating casing. J. G. McKean. 2,664,158, Dec. 29.
Gun, Harpoon. R. E. Harris. 2,642,056, June 16.
Gun hone. C. E. Seymour. 2,657,507, Nov. 3.
Gun, Parachute. M. M. Bauderer and E. K. Lotthammer. 2,633,119, Mar. 31.
Gun perforator actuator. T. C. Bannon and L. Spencer. 2,638,981, May 19.
Gun perforator for oil wells, Small. G. F. Abendroth. 2,664,157, Dec. 29.
Gun perforator for wells, Small. T. O. Allen. 2,664,156, Dec. 29.
Gun, Repeating, Air. E. E. Foster. 2,653,593, Sept. 29.
Gun, Repeating cap. T. M. McGregor. 2,648,154, Aug. 11.
Gun rest. E. W. Olson. 2,635,246, Apr. 21.
Gun shell feeding mechanism. S. Schiff. 2,647,442, Aug. 4.
Gun sight. C. S. Davis. 2,633,051, Mar. 31.
Gun sight. K. O. Haase. 2,645,017, July 14.
Gun sight. R. S. Smith. 2,629,933, Mar. 3.
Gun sight, Computing. R. C. Goertz and H. L. Hull. 2,660,794, Dec. 1.
Gun sight mount, Detachable. J. Feerick. 2,659,150, Nov. 17.
Gun sighting. A. J. Talone. 2,645,037, July 14.
Gun, Spring. J. Sowitsky. 2,653,592, Sept. 29.
Gunstock, Adjustable. G. Fantoni. 2,631,398, Mar. 17.
Gunstock assembly for firearms. J. Cooper. 2,627,688, Feb. 10.
Gun stock for automatic guns, Dropped. S. Dolgacius. 2,627,132, Feb. 3.
Gun swivel. J. L. Cline. 2,642,689, June 23.
Gun training mechanism. K. Clark. 2,640,395, June 2.
Gun trap and safety setting device. H. R. Graybill. 2,624,148, Jan. 6.
Gun-type flashlight holder. J. W. Johnson. 2,644,936, July 7.
Gun with vertically slidable breech block, Lever operated. W. B. Morris. 2,638,694, May 19.

Gust-alleviating flap system for aircraft. F. E. Weick. 2,655,326, Oct. 13.
Gutter circle and making same. M. Rachlin. 2,654,455, Oct. 6.
Gutter hanger. T. Bauhammer and R. G. Bruesch. 2,635,841, Apr. 21.
Gutter joint sealing means. R. E. Bowles. 2,638,858, May 19.
Gutter support. A. D. Kumpf. 2,634,929, Apr. 14.
Guy insulator. R. L. Jenner and C. D. Fiero. 2,625,581, Jan. 13.
Gyratory crusher. J. R. and D. Kueneman. 2,628,788, Feb. 17.
Gyratory crusher. H. H. Rumpel. 2,634,061, Apr. 7.
Gyratory crusher shaft lubrication. O. C. Gruender. 2,640,651, June 2.
Gyratory drive for sifters. D. W. Dryg. 2,634,617, Apr. 14.
Gyro bearing. J. W. Brubaker, M. C. Sanz, and C. N. Scully. 2,625,045, Jan. 13.
Gyro caging mechanism. B. H. Parker and E. F. Uses. 2,636,389, Apr. 28.
Gyrostabilized carrier aircraft approach light indicator. A. J. McEwan. 2,663,008, Dec. 15.
Gyro, Tumbleproof, spillproof, or gimbal-lock-free. S. J. O'Neil. 2,649,809, Aug. 25.
Gyro-vertical, Inclined. W. Wrigley. 2,630,015, Mar. 3.
Gyroscope. C. E. Hurlburt and G. W. Boehm. 2,645,942, July 21.
Gyroscope. J. M. Slater, R. M. Benson, and D. L. Freebairn. 2,649,808, Aug. 25.
Gyroscope caging mechanism. H. L. Brown. 2,645,129, July 14.
Gyroscope having erecting means to compensate for acceleration errors. H. Konet. 2,643,547, June 30.
Gyroscope instrument. P. E. Seifried. 2,655,046, Oct. 13.
Gyroscope system for dirigible craft. I. M. Holliday, G. R. Douglas, and C. R. Hanna. 2,663,838, Dec. 22.
Gyroscope, Temperature-compensated. J. C. Mathiesen. 2,653,481, Sept. 29.
Gyroscopic horizon, Inclined. F. D. Braddon and W. Wrigley. 2,630,016, Mar. 3.
Gyroscopic rotor frame. C. E. Barkalow. 2,641,132, June 9.
HCN, Manufacture of. L. J. Christmann and A. G. Houpt. 2,656,251, Oct. 20.
HV type key interlock. A. S. Caswell. 2,658,170, Nov. 3.
Hacksaw assembly. H. H. Faubion. 2,642,906, June 23.
Hacksaw frame with spare blade storage chamber. F. Heuneman. 2,658,541, Nov. 10.
Haemacytometer and the like. F. C. McCallum. 2,660,091, Nov. 24.
Hairbrush. O. R. Seidner. 2,645,801, July 21.
Hairbrush construction, Cylindrical. R. T. Teetsel. 2,648,082, Aug. 11.
Hairbrush, Wave. W. J. Servilla. 2,633,591, Apr. 7.
Hair clip. S. Schwartz. 2,636,500, Apr. 28.
Hair color-rinse concentrate. M. J. Den Beste. 2,643,211, June 23.
Hair conditioning applicator. E. O. Lubin and J. S. Stein. 2,642,070, June 16.
Hair curler. H. R. Bein, Sr. 2,645,233, July 14.
Hair curler. M. Chernack. 2,649,097, Aug. 18.
Hair curler. M. F. Harris. 2,646,053, July 21.
Hair curler. J. G. Isaacs and M. F. Bonomo. 2,652,840,
Hair curler. L. King. 2,624,350, Jan. 6.
Hair curler. K. Kiviluoma. 2,627,275, Feb. 3.
Hair curler. G. M. McIlrath. 2,654,371, Oct. 6.
Hair curler. E. Q. and J. H. Moses. 2,645,232, July 14.
Hair curler. J. Parrilla. 2,655,926, Oct. 20.
Hair curler. B. Stoyanoff. 2,654,372, Oct. 6.
Hair curler and key. R. Seyffarth. 2,652,063, Sept. 15.
Hair curlers, combs, and irons, Thermostatic controlled. S. Harper. 2,648,757, Aug. 11.
Hair curling device. F. Kemp. 2,651,309, Sept. 8.
Sept. 22.
Hair curling device. R. K. Weaver and P. T. Hahn. 2,654,373, Oct. 6.
Hair cutter. F. D. Infantino. 2,661,529, Dec. 8.
Hair cutter. J. Petersen. 2,648,902, Aug. 18.
Haircutting device. C. A. Halen. 2,634,496, Apr. 14.
Hair drier. A. G. Hupp. 2,645,034, July 14.
Hair drier. C. Myers. 2,662,303, Dec. 15.
Hair drier. F. C. Schwaneke. 2,631,380, Mar. 17.
Hair drier attachment for vacuum cleaners. D. W. Bowen. 2,654,161, Oct. 6.
Hair dyeing and bleaching device. M. Petitta. 2,655,924, Oct. 20.
Hair-fastening means retainable in its position for use. H. Buergi-Schenk. 2,649,763, Aug. 25.
Hair guard. D. T. Corette. 2,642,880, June 23.
Hair holder. S. Behr. 2,637,328, May 5.
Hairline protector. F. Mullen. 2,640,198, June 2.
Hair-net or the like and making same. H. F. Goldsmith. 2,638,102, May 12.
Hairpin. F. Fuscaldo. 2,638,103, May 12.
Hairpin spreading device. M. F. Harris. 2,627,860, Feb. 10.
Hair ringlet holder. A. C. Koke. 2,643,658, June 30.
Hair-setting and hair-trimming appliance. J. H. Richmond. 2,654,374, Oct. 6.
Hairspring assembly. T. P. Dolby. 2,649,684, Aug. 25.
Hair testing device. S. Grant. 2,627,179, Feb. 3.
Hair treating device. A. Zachary. 2,661,008, Dec. 1.
Hair trimmer. W. M. Mansfield. 2,641,055, June 9.
Hair trimmer. S. N. North. 2,633,635, Apr. 7.
Hair trimmer. N. Shaeffer. 2,636,261, Apr. 28.
Hair waver. L. I. Fink. 2,636,499, Apr. 28.
Hair-waving apparatus. J. Leciabart. 2,652,839, Sept. 22.
Hair-waving device. F. H. Peyton. 2,627 861, Feb. 10.
Hair-waving device. J. Schneiderman. 2,627,274, Feb. 3.
Haloalkoxy derivatives of the cyclic ketals of warfarin. M. Seidman and K. P. Link. 2,650,233, Aug. 25.
Haloalkyl substituted cycloheptatrien-1-ol-2-one ring compounds and their preparation. E. G. Howard, Jr. 2,662,098, Dec. 8.
Haloalkylation of thiophenes. H. Pines and J. A. Vesely. 2,625,553, Jan. 13.
Haloarylhydroxyalkyl-ureas. N. E. Searle and C. W. Todd. 2,663,729, Dec. 22.
Halobicycloalkyl aromatic compounds, Production of. L. Schmerling. 2,629,749, Feb. 24.
Halocarbon oils, Manufacture of. W. T. Miller. 2,636,907, Apr. 28.
Halocarbons, Manufacture of. A. L. Dittman and J. M. Wrightson. 2,636,908, Apr. 28.
Halodiaminotriazines, Preparation of. J. J. Roemer and D. W. Kaiser. 2,658,893, Nov. 10.
Halodiethylbenzenes. E. T. McBee. 2,639,299, May 19.
Haloethylhydrocarbonoxycyclohexenes. J. A. Hogg. 2,645,666, July 14.
Halogen addition products of 1,4-dihydroanthraquinone. H. Z. Lecher and K. C. Whitehouse. 2,642,445, June 16.
Halogen-containing phosphorus acids and esters. G. M. Kosolapoff. 2,632,018, Mar. 17.
Halogen containing resin stabilized with an organo tin compound. W. E. Leistner and O. H. Knoepke. 2,641,588, June 9.
Halogen-containing resins derived from 2-alkenoxyalkyl esters and bromomethanes. R. A. Gregg. 2,636,874, Apr. 28.
Halogen-containing resins stabilized with stannanediol ether esters. G. P. Mack and F. B. Savarese. 2,631,990, Mar. 17.
Halogen exchange. T. G. McKenna, S. B. Soloway, R. E. Lidov, and J. Hyman. 2,661,377-8, Dec. 1.
Halogen-promoted oxidation. F. B. Augustine. 2,643,269, June 23.
Halogenated amino-anthraquinonyl-oxiazoles. F. B. Stilmar. 2,650,926, Sept. 1.
Halogenated aromatic hydrocarbon dielectric containing diphenyl tin diethylate as a scavenger. R. L. Jenkins. 2,646,403, July 21.
Halogenated aryl alicyclic carboxylic acids and their salts and manufacturing the same. E. Schwenk and D. Papa. 2,637,745, May 5.
Halogenated compounds. S. D. Ross. 2,643,270, June 23.
Halogenated pentenes. R. P. Ruh and A. F. Gordon. 2,634,301, Apr. 7.
Halogenated phthalocyanine disulfonic acids. A. Pugin. 2,647,126, July 28.
Halogenated thiophene pesticide. R. E. Plump. 2,651,579, Sept. 8.
Halogenating the π-position of camphor and its α-halo-derivatives. M. Nishimitsu, M. Nishikawa, and H. Hagihara. 2,658,079, Nov. 3.
Halogenation of fluorocarbons. E. T. McBee. 2,644,845, July 7.
Halogenation of benzenes containing sulfur in their allylic or propenylic side chains and products obtained thereby. O. Gaudin. 2,657,216, Oct. 27.
Halogenation process. R. P. Holysz, Jr., and J. A. Campbell. 2,662,903, Dec. 15.
Halogenation products of 1,1-diphenyl-2,2-dimethylpropane. E. F. Rogers and H. D. Brown. 2,641,617, June 9.
Halogeno fatty acid esters, Production of. E. C. Ladd and H. Sargent. 2,655,521, Oct. 13.
Halomethylated vinyl-aromatic copolymers. C. H. McBurney. 2,629,710, Feb. 24.
Haloolefinic compounds, Production of. L. Schmerling. 2,626,962, Jan. 27.
Halosiloxanes, Preparing. J. F. Hyde. 2,629,726, Feb. 24.
Halo-substitution of organic compounds. A. E. Lacomble, G. W. Hearne, and D. S. La France. 2,643,272, June 23.
Halothenoylglycines. W. Galler. 2,658,904, Nov. 10.
Halter, Coin. J. D. Lee. 2,624,881, Jan. 13.
Ham pumping. B. T. Hensgen and H. G. Reichel. 2,663,247, Dec. 22.
Hammer, Adjustable printing. F. R. Werner. 2,656,788, Oct. 27.
Hammer, Automatic. H. L. Gaskill. 2,624,047, Jan. 6.
Hammer, Automatic sheet metal reforming. J. Gendron. 2,655,825, Oct. 20.
Hammer action for musical instruments. J. D. Enochs and R. M. Brown. 2,641,153, June 9.
Hammer, Adjustable leverage claw. R. W. Johnson. 2,643,854, June 30.
Hammer and carriage therefor, Drop. E. E. Dorkins. 2,659,583, Nov. 17.
Hammer and wear-plate structure for attrition pulverizers. W. C. Rogers. 2,639,863, May 26.
Hammer construction, Air. P. R. Van Sittert. 2,637,300, May 5.

Hammer, Diesel. W. V. Spurlin. 2,633,832, Apr. 7.
Hammer drill. E. Topanelian, Jr. 2,661,928, Dec. 8.
Hammer, Electric. L. Tarwater. 2,626,598, Jan. 27.
Hammer, Electric. A. Vang. 2,628,319, Feb 10.
Hammer element, Impact. P. E. Schmid. 2,663,395, Dec. 22.
Hammer for pulverizers, Rotary impact. C. E. Sennholtz. 2,663,505, Dec. 22.
Hammer for swaging steel, Power. H. P. Bêché. 2,652,811, Sept. 22.
Hammer, Gasoline. G. A. Carlson. 2,627,849, Feb. 10.
Hammer, Metal working. L. H. Phillips and G. C. Jones. 2,627,771, Feb. 10.
Hammer mill and blower arrangement. B. T. Sandor. 2,646,934, July 28.
Hammermill with power-driven impactor surfaces, Reversible. E. H. Kelper. 2,661,160, Dec. 1.
Hammer operating mechanism. C. A. Parker and C. K. Rainey. 2,624,275, Jan. 6.
Hammer, Pile driving. N. G. Bell. 2,647,373, Aug. 4.
Hammer, Pneumatic. L. N. Brown. 2,655,901, Oct. 20.
Hammer, Power. H. E. Gibson. 2,646,100, July 21.
Hammer rotor for pulverizing machines, Pocketed. F. C. Bond. 2,637,502, May 5.
Hammer, Self-propelled hydraulic. E. E. Dorkins. 2,659,584, Nov. 17.
Hammer shroud for revolvers. J. M. McNally. 2,647,338, Aug. 4.
Hammering device, Electropneumatic. O. Sparano. 2,638,749, May 19.
Hammering machine, Portable. G. A. Thompson. 2,660,724, Dec. 1.
Hamper, Aerated oscillatory clothes. J. F. Heiberg. 2,653,758, Sept. 29.
Hamper, Clothes. E. W. Seymour. 2,638,399, May 12.
Hamper, Laundry. J. J. Weldon and B. L. Levitt. 2,625,973, Jan. 20.
Hamper with steps combined, Children's. D. C. Bayles. 2,658,640, Nov. 10.
Hand actuated dispenser pump. "D" F. Bacheller. 2,657,834, Nov. 3.
Handbag. S. Hyman. 2,663,343, Dec. 22.
Handbag. H. Meyers. 2,646,833, July 28.
Handbag cover. V. E. Browning. 2,653,640, Sept. 29.
Handbag, Insulated. H. Daust. 2,661,785, Dec. 8.
Handbag, Lady's. S. L. Cassell. 2,627,885, Feb. 10.
Handbag, Lady's. J. Cohen. 2,635,664, Apr. 21.
Handbag, Lady's. I. Wishnia. 2,656,870, Oct. 27.
Handbag, Lady's lighted. J. A. Contento. 2,647,201, July 28.
Handbags and products, Making. F. O. Budnick. 2,658,543, Nov. 10.
Hand brake. W. R. Rodger and J. D. Cannon. 2,633,938, Apr. 7.
Hand catapult. E. P. Foster. 2,625,926, Jan. 20.
Hand composing device. G. J. H. Sausele. 2,632,368, Mar. 24.
Hand covering. H. D. Crandon. 2,657,391, Nov. 3.
Hand covering. O. Hagström. 2,632,172, Mar. 24.
Hand covering for use in association with handlebars. I. N. Grothe and E. J. Smith. 2,650,361, Sept. 1.
Hand device for selectively dispensing and locating small elements. E. Ischinger, Sr. 2,652,012, Sept. 15.
Hand flashlight having improved means for mounting the light bulb. A. H. Moore. 2,649,534, Aug. 18.
Handgrip attachment for bathtubs. I. G. Loe. 2,642,581, June 23.
Hand guard. H. G. Olson. 2,653,320, Sept. 29.
Hand-guided and chain-driven bark-removing tool. L. W. Johnson and W. G. Saunders. 2,637,357, May 5.
Hand-guided motor-driven bark removing plow. L. E. Phillips. 2,660,207, Nov. 24.
Hand line guide. J. A. Truchon, Sr. 2,629,585, Feb. 24.
Hand locking battery cable clamp. M. O. Nelson. 2,651,765, Sept. 8.
Hand loom. H. Kopf. 2,632,938, Mar. 31.
Hand loom. K. J. Smith. 2,654,937, Oct. 12.
Hand-operated motor. H. Josephs. 2,636,393, Apr. 28.
Hand or power-operated actuating mechanism. B. V. Coleman. 2,625,839, Jan. 20.
Handpiece, Dental. J. C. Shotton. 2,653,384, Sept. 29.
Handpiece, Dental engine. W. P. Uhler. 2,653,383, Sept. 29.
Handpiece, Shearing. E. S. Bartlett. 2,651,107, Sept. 8.
Handrail control, Moving stairway. W. F. Eames. 2,646,868, July 28.
Handrail drive, Escalator. C. Panter. 2,632,550, Mar. 24.
Handrail for moving stairways. W. F. Masek. 2,628,700, Feb. 17.
Handsaw frame. P. F. La Roche. 2,662,567, Dec. 15.
Handsaw level. F. G. Costa. 2,655,733, Oct. 20.
Hand signal light. H. N. Burgess. 2,656,529, Oct. 20.
Hand stick for use in producing type matter photographically. H. R. Freund. 2,638,824, May 19.
Hand strap tensioning tool. B. T. McFerren and F. S. Seybert. 2,638,314, May 12.
Hand tool. E. C. Neal. 2,647,312, Aug. 4.
Hand tool. C. P. Saylor. 2,656,225, Oct. 20.
Hand-vise. J. Peitl. 2,662,432, Dec. 15.
Hand weaving loom. H. L. G. Berglund. 2,655,947, Oct. 20.
Hand winch. H. Hoehn. 2,630,298, Mar. 3.

Handle: *See*—
- Can top handle.
- Dispensing razor handle.
- Faucet bibb repair handle.
- Fishing rod handle.
- Heat dissipating handle.
- Jointed handle.
- Latch releasing door handle.
- Luggage handle.
- Magazine multiple tool handle.
- Mower handle.
- Paper bag handle.
- Paper cup handle.
- Pocket knife handle.
- Ratchet clutch handle.
- Razor handle.
- Reel-receiving fishing rod handle.
- Registering chamber magazine handle.
- Retractable tool handle.
- Saw-blade supporting handle.
- Sectional law mower handle.
- Separable machine or equipment handle.
- Snap-on basket handle.
- Telescopic brush handle.
- Telescopic handle.
- Thumb guide shear handle.
- Tool handle.
- Valve handle.
- Wrench extension handle.

Handle. Z. Cunningham. 2,632,666, Mar. 24.
Handle. E. T. Kump. 2,656,210, Oct. 20.
Handle and filter bag assembly for vacuum cleaners, Propelling. G. A. Brace. 2,661,077, Dec. 1.
Handle and handle-brace construction for containers, Pivotal. G. D. Wiepert. 2,636,641, Apr. 28.
Handle and manufacturing the same, Luggage. A. J. Rognsvoog, Sr. 2,628,693, Feb. 17.
Handle and support, Combined. H. H. Miller. 2,641,994, June 16.
Handle and support leg for ironer cabinets, Combination. C. M. Hall. 2,656,237, Oct. 20.
Handle and whistle, Balloon. H. A. Longino. 2,663,968, Dec. 29.
Handle assembly, Door. B. J. Craig. 2,631,879, Mar. 17.
Handle assembly for jalousies and Venetian windows. H. N. Quoss. 2,626,529, Jan. 27.
Handle assembly for power chain saws, Removable. A. T. Quirke. 2,642,100, June 16.
Handle assembly for vacuum cleaners. F. T. Smith. 2,639,456, May 26.
Handle bar fork, Bicycle. H. L. Mueller. 2,656,202, Oct. 20.
Handle closure combination, Attachable and detachable. H. L. Eckles. 2,645,408, July 14.
Handle connection, Brush. P. A. Fryda. 2,641,513, June 9.
Handle connection for plug valves. W. A. Ray. 2,664,103, Dec. 29.
Handle construction, Electric iron. J. R. Gomersall and M. Ireland. 2,662,317, Dec. 15.
Handle construction for bit braces or the like. W. J. Cavanagh. 2,629,412, Feb. 24.
Handle construction for cartons and the like. A. E. Brown. 2,640,645, June 2.
Handle construction, Knife. A. Breitzke. 2,651,106, Sept. 8.
Handle control for electrically driven lift trucks. O. C. G. and C. E. S. Wennberg. 2,645,297, July 14.
Handle end holder and installation. D. I. Reiter. 2,663,342, Dec. 22.
Handle extension for electric cord, Lawn mower. J. D. and W. S. Yeck. 2,633,688, Apr. 7.
Handle for cans. R. S. Ross. 2,631,883, Mar. 17.
Handle for containers, Detachable. R. S. Barber. 2,626,174, Jan. 20.
Handle for cooking utensils. C. W. Fry. 2,624,066, Jan. 6.
Handle for fishing rods. O. C. George. 2,646,640, July 28.
Handle for hack saw blades. J. E. Swalinkavich, Jr. 2,662,569, Dec. 15.
Handle for inner spring mattresses and the like. J. A. Ferguson. 2,662,235, Dec. 15.
Handle for luggage and the like. R. Fuller. 2,652,908, Sept. 22.
Handle for percussive tools, Cushion. L. Wallerstein, Jr. 2,630,784, Mar. 10.
Handle for receptacle covers, Locking. C. C. Biddlecombe. 2,632,580, Mar. 24.
Handle for refrigerated cabinet doors, Illuminated. J. J. Voda. 2,644,882, July 7.
Handle for rimmed cans, Detachable ball-shaped. W. J. Doty. 2,628,858, Feb. 17.
Handle for rotary tools, Operating. K. E. Queitzsch. 2,660,911, Dec. 1.
Handle for screw drivers and similar tools, Auxiliary slip-on. A. A. Rea. 2,653,637, Sept. 29.
Handle for tools, Elongated foldable. J. A. Thornton. 2,630,730, Mar. 10.
Handle guided carrier and powered wheel therefor. C. E. Giovannoni. 2,656,894, Oct. 27.
Handle having detachable hand wheel and flexible shaft, Wrench. T. E. Hoffman. 2,637,233, May 5.
Handle having interlocking means, Divided circular. E. J. J. Henriksen. Re. 23,629, Mar. 10.
Handle mechanism. G. E. Hanner. 2,638,047, May 12.
Handle member. M. Rickettson. 2,639,521, May 26.
Handle mounting for window-cleaning devices, Adjustable. J. J. Hruska. 2,642,609, June 23.
Handle structure for power-driven vehicles. A. C. Howard. 2,624,905, Jan. 13.
Handle with outlet and switch for portable lamps. R. Popp. 2,653,219, Sept. 22.

Handling apparatus. M. E. Francisco. 2,646,897, July 28.
Handling apparatus for spaghetti and the like. A. Borrelli. 2,649,055, Aug. 18.
Handling articles, Method and apparatus for. J. L. Ferguson and R. C. Talbot. 2,649,232, Aug. 18.
Handling candles, Means for. J. R. Flanagan. 2,661,706, Dec. 8.
Handling fermentation gas, Method and apparatus for. F. A. Craig. 2,663,154, Dec. 22.
Handling fluent particles. R. C. Lassiat and R. T. Savage. 2,646,407, July 21.
Handling fluidizable finely divided solid materials, Method and apparatus for. L. H. Smith. 2,655,411, Oct. 13.
Handling of freight aboard ships. H. Kummerman. 2,654,488, Oct. 6.
Handling of materials and apparatus therefor. M. J. Napier. 2,636,284, Apr. 28.
Handling of rod bundles or similar annuli. R. W. Young and R. Kinnicutt, Jr. 2,643,756, June 30.
Handling paper, Method and apparatus for. H. T. Randall. 2,650,705, Sept. 1.
Handling polymeric compositions. H. A. Bruson. 2,649,356, Aug. 18.
Handling powdered solids, Means for. W. J. Degnen and W. B. Johnson. 2,630,352, Mar. 3.
Handling sheets delivered from a dipping tank. S. J. Brunansky and H. Forsythe. 2,653,697, Sept. 29.
Handling timbers. T. F. Gerdine. 2,635,659, Apr. 21.
Handy iron. G. T. Gross. 2,660,818, Dec. 1.
Hangar structure, Mobile airplane. J. L. Mitchell. 2,652,906, Sept. 22.

Hanger: *See*—
- Adjustable clothes hanger.
- Adjustable coat hanger.
- Adjustable garment hanger.
- Article wall hanger.
- Balanced load hanger.
- Bobbin hanger.
- Boot hanger.
- Cap hanger.
- Coat hanger.
- Clothes hanger.
- Clothesline hanger.
- Combined type garment hanger.
- Demountable garment hanger.
- Foldable coat hanger.
- Foldable hanger.
- Folding garment hanger.
- Furring hanger.
- Garment hanger.
- Garment and article hanger.
- Glider hanger.
- Gravity suspension hanger.
- Gutter hanger.
- Hat hanger.
- Heddle bar hanger.
- Hydraulic spring hanger.
- Key ring hanger.
- Laundry hanger.
- Loose-leaf calendar hanger.
- Loose-leaf sheet calendar hanger.
- Nonslip garment hanger.
- Oil well hanger.
- Picture hanger.
- Resiliently mounted shaft hanger.
- Self-leveling picture frame hanger.
- Skirt and trousers hanger.
- Skirt hanger.
- Slide-on welt drapery hanger.
- Towel and similar article hanger.
- Tray hanger.
- Trousers hanger.
- Try-on garment hanger.
- Telephone handset hanger.
- Wallpaper hanger.
- Wall supported hanger.

Hanger. E. W. Miller. 2,652,998, Sept. 22.
Hanger. J. C. Rose. 2,664,259, Dec. 29.
Hanger and article holder, Composite garment. R. Peacock. 2,626,713, Jan. 27.
Hanger and cover, Combined tie. M. B. Gwinn and L. Whitehead. 2,626,735, Jan. 27.
Hanger assembly, Resiliently mounted shaft. E. J. Herbenar. 2,661,987, Dec. 8.
Hanger bar. J. P. Franz. 2,636,617, Apr. 28.
Hanger construction for anchor tiles of refractory arches. R. H. Forsyth. 2,657,651, Nov. 3.
Hanger construction, Garment. M. H. Friedler. 2,647,666, Aug. 4.
Hanger construction, Luggage. H. L. Kotkins. 2,631,080,
Hanger construction, Shaft. F. M. Guy and E. J. Herbenar. 2,661,985, Dec. 8.
Hanger for attachment to structural shapes. H. L. and O. C. Kindorf. 2,628,800, Feb. 17.
Hanger for cow stall stanchions and the like, Swivel. R. G. Ferris. 2,661,178, Dec. 1.
Hanger for electrical devices, Wall. B. R. Hardwick. 2,628,050, Feb. 10.
Hanger for pipes and the like. S. Wallans. 2,636,703, Apr. 28.
Hanger for radiators. B. I. Downs. 2,632,632, Mar. 24. Mar. 10.
Hanger for supporting elongated objects. R. G. Pitt. 2,643,079, June 23.
Hanger for traverse rods, Drapery. J. V. and J. N. Graber. 2,654,114, Oct. 6.
Hanger for wearing apparel. R. D. Bartlett. 2,634,032, Apr. 7.
Hanger guard, Garment. H. B. Tillery. 2,641,391. June 9.
Hanger hook attaching device, Garment. J. H. Myers. 2,639,499, May 26.
Hanger of the clamp type, Garment. W. G. Olpe. 2,640,633, June 2.
Hanger shell puller. M. R. Sheaffer. 2,662,276, Dec. 15.
Hanger with glide rollers, Pipe. J. B. Kirk and G. E. Miller. 2,641,428, June 9.
Hanger with curtain rod attachments, Curtain. A. Noberelt. 2,659,492, Nov. 17.
Hanger with integral moth repellent receiving e
F. O'Farrell. 2,639,846, May 26.
Hanger with magnetic action and the like, Gar
Weiss. 2,657,844, Nov. 3.
Hardenable stainless steel alloy. N. S. Mott. Apr. 14.
Hardened montan wax derivatives. F. W. B
D. T. Zentmyer. 2,646,436, July 21.
Hardening alloy gray cast iron. F. G. Sefing. July 21.
Hardening gelatino silver halide emulsions, P
F. W. H. Mueller. 2,629,659, Feb. 24.
Hardness tester. H. Broschke. 2,663,185, Dec.
Hardness tester. K. M. Day. 2,628,495, Feb.
Hardness tester. M. A. Chester. 2,643,544, Ju
Hardness tester. D. C. Goldberg and R. E.
2,662,397, Dec. 15.
Hardness testing indicator. H. W. Dietert, W.
and E. C. Zirzow. 2,643,460, June 30.
Hardware for swinging sliding storm sashes
Graves, Jr. 2,654,127, Oct. 6.
Hardware removing tool. H. Nelson. 2,638,02
Harmonic analyzer and synthesizer. W.
2,660,700, Nov. 24.
Harmonic error compensator. H. C. Wentd. Sept. 1.
Harmonic generator. H. Tornheim. 2,648,812
Harmonica. K. Mast. 2,646,712, July 28.
Harmonica. J. West and J. Brooksbank. June 16.
Harmonica, Chord-playing. L. A. Ruben. Oct. 13.
Harmonica instructor, Automatic. A. Balint. Oct. 20.
Harness cam and treadle means for looms. L.
2,637,348, May 5.
Harness for automobiles, Safety. L. O.
2,649,145, Aug. 18.
Harness for invalid hoists. J. H. Kalthoff. Dec. 22.
Harness frame for looms. R. C. Haenny. 2,64
14.
Harness frame suspending device. P. C.
2,640,506, June 2.
Harness operating means for looms. F. N. and
cis. 2,649,863, Aug. 25.
Harness, Ski. A. C. Hilding. 2,649,306, Aug
Harnessing wave power, Means for. S. J. M
and I. P. Macnab. 2,641,108, June 9.
Harp, Lamp. K. Berger. 2,662,166, Dec. 8.
Harp swivel. P. Chilo. 2,650,982, Sept. 1.
Harpoon. H. L. Trautmann. 2,659,273, Nov.
Harpoon gun. C. R. Blakeslee. 2,660,993, Dec
Harrow, Bush and bog. F. D. Sawyer. 2,662
15.
Harrow or plow, One-way disk. R. W. Fyke. Dec. 8.
Harrow, Power-driven. A. Peters, P. Forbach, Strotman. 2,651,246, Sept. 8.
Harrow squadron hitch. K. E. Jones. 2,632,98
Harrow with yielding tooth bars. E. H. Kuehn
Larson. 2,629,217, Feb. 24.
Harvester and decorticator, Combined. W. E.
O. H. Bond. 2,654,916, Oct. 13.
Harvester and ensilage cutter, Corn.
2,657,513, Nov. 3.
Harvester and loader, Sugar cane. R. E. Sh
and V. Cary. 2,648,943, Aug. 18.
Harvester. E. H. Price. 2,636,331, Apr. 28.
Harvester, Bean. T. Grether. 2,641,888, June
Harvester, Beet. V. F. Bozeman, Sr. 2,635,40
Harvester, Beet. R. Hojio. 2,641,892, June 16.
Harvester, Beet. J. Morkoski. 2,637,963, Ma
Harvester, Beet. J. W. Orendorff. 2,624,997,
Harvester, Beet. E. C. Roepke. 2,651,901, Se
Harvester, Berry. P. Names. 2,652,923, Sep
Harvester cleaning attachment, Vegetable. R.
2,626,708, Jan. 27.
Harvester, Conciting endless chain type onio
Warner. 2,645,889, July 21.
Harvester, Corn. R. C. Fergason. 2,663,983.
Harvester, Corn. N. R. Krause and S. C. Heth. Dec. 8.
Harvester, Cotton. J. H. Knowles. 2,660,84
Harvester, Cotton. G. P. Lucius. 2,651,160, Se
Harvester, Duplex windrow. C. Pierce. 2,631
17.
Harvester, Ensilage. N. R. Krause and M. A
son. 2,629,978, Mar. 3.
Harvester equipment and pneumatic method of
unloading same. A. D. Mast. 2,641,097, Ju
Harvester, Field forage. C. W. Hansen. 2,63
10.
Harvester, Field forage. C. W. Hansen. 2,661.
Harvester, Field or row crop forage. C. W
2,658,319, Nov. 10.
Harvester for wheel-type tractors, Beet. L.
and H. V. Lea. 2,637,155, May 5.
Harvester, Forage. J. L. Hinson. 2,663,985,
Harvester, Forage. P. A. Whisler. 2,651,16
Harvester gatherer belt. N. F. Andrews. May 5.
Harvester, Grass seed. H. Armstrong. 2,658
10.

Harvester having beet cleaning means, Beet. J. W. Orendorff. 2,637,964, May 12.
Harvester, Marine growth. L. T. Sanders. 2,655,779, Oct. 20.
Harvester, Multirow cotton. L. A. Paradise. 2,660,852, Dec. 1.
Harvester, Multirow crop. L. A. Paradise. 2,649,677, Aug. 25.
Harvester pickup. R. R. Raney and E. F. Huddle. 2,654,209, Oct. 6.
Harvester, Potato. C. V. Edwards. 2,633,685, Apr. 7.
Harvester reel. M. D. Henthorn. 2,644,288, July 7.
Harvester reel. H. D. Hume. 2,644,289, July 7.
Harvester, Suction-type seed. C. T. Manning. 2,627,713, Feb. 10.
Harvester-thresher frame structure. N. R. Krause and S. C. Heth. 2,652,677, Sept. 22.
Harvester, Tractor-mounted corn. M. A. Richardson. 2,651,158, Sept. 8.
Harvester, Stalk crop. R. R. Raney, E. F. Huddle, and O. E. Hintz. 2,634,569, Apr. 14.
Harvester, Tobacco. J. R. Cox. 2,635,408, Apr. 21.
Harvester with automatic level-maintaining apparatus. A. O. Saulsbury. 2,656,194, Oct. 20.
Harvester with automatically controlled variable-speed drive, Self-propelled. S. F. Pasturczak. 2,639,569, May 26.
Harvester with retriever mechanism, Cotton. J. D. Rust. 2,660,848, Dec. 1.
Harvesting attachment for vehicles, Corn. R. L. Dort. 2,647,353, Aug. 4.
Harvesting device, Power-operated beet. J. W. Orendorff. 2,651,155, Sept. 8.
Harvesting equipment, Crop. A. B. and R. A. Lowe. 2,655,274, Oct. 13.
Harvesting machine. R. S. Hertzler. 2,662,414, Dec. 15.
Harvesting machine and separating conveyer therefor, Potato. C. Berg, H. Carlsson, and R. V. Ekman. 2,659,189, Nov. 17.
Harvesting machine, Cotton. G. A. Pruser. 2,635,407, Apr. 21.
Harvesting machine, Cotton. L. E. and C. J. Spears. 2,641,891, June 16.
Harvesting machine, Nut. A. McLaughlin. 2,639,537, May 26.
Harvesting machine, Peanut. J. A. Anderson. 2,632,290, Mar. 24.
Harvesting reel. R. Fless. 2,654,984, Oct. 13.
Harvesting unit with auxiliary snapping rolls, Corn. J. L. Aasland. 2,651,163, Sept. 8.
Hasp. Alfred and Adalbert Lüling. 2,644,710, July 7.
Hasp type case latch. E. Doquier. 2,651,536, Sept. 8.
Hassock and bed combination, Convertible. C. B. Creveling and E. V. Pennell. 2,664,145, Dec. 29.
Hassock and making same. E. C. Wallace. 2,634,797, Apr. 14.
Hassock and table, Convertible. P. Hoar. 2,659,414, Nov. 17.
Hassock construction. H. Simon. 2,636,551, Apr. 28.
Hat attachment. L. Jarosenski. 2,629,873, Mar. 3.
Hat bodies, Method of and means for making. G. T. Birdsall. 2,643,034, June 23.
Hat, Collapsible. A. Cantor. 2,663,024, Dec. 22.
Hat hanger. W. H. Frush. 2,626,712, Jan. 27.
Hat hanger. W. E. Stephenson and N. B. Mithun. 2,630,921, Mar. 10.
Hat holder and hanger support. D. Nicholson. 2,643,773, June 30.
Hat holder for hat boxes. P. E. Nelson. 2,645,333, July 14.
Hat packing box. L. P. Sommerhauser. 2,631,721, Mar. 17.
Hat pinch form. S. Shenkman. 2,651,045, Sept. 8.
Hat pressing apparatus. I. H. Vickers and G. M. Rickus. 2,624,495, Jan. 6.
Hat, Scarf. E. R. Stanklewicz and M. K. Taylor. 2,651,044, Sept. 8.
Hat sizer. J. W. Patterson, Jr. 2,632,175, Mar. 24.
Hatrack. W. V. Lesikar. 2,640,594, June 2.
Hatrack for automobiles. W. C. Searles. 2,659,489, Nov. 17.
Hat supporting hook. J. E. Guthrie. 2,633,246, Mar. 31.
Hat well. J. Polite. 2,647,665, Aug. 4.
Hatch construction for railway cars. W. H. Keleher. 2,652,787, Sept. 22.
Hatch cover. K. W. Jernstrom. 2,655,889, Oct. 20.
Hatchcover with inflatable gasket, Insulating. H. H. Robson. 2,657,661, Nov. 3.
Hatchway closure. K. J. Ahnell. 2,663,268, Dec. 22.
Hay and manure loader. W. H. Talbott. 2,626,722, Jan. 27.
Hay bale depositing device. G. A. Voight. 2,660,855, Dec. 1.
Hay baler. A. A. Rothrock. 2,633,794, Apr. 7.
Hay baler. P. F. Jr., and J. M. Freeman. 2,627,714, Feb. 10.
Hay baler, Pickup. T. Carroll. 2,634,573, Apr. 14.
Hay baler sleeve. G. Almquist. 2,625,097, Jan. 13.
Hayrake, Large. F. O. Worden. 2,662,363, Dec. 15.
Hay sling. L. F. O'Brien. 2,634,154, Apr. 7.
Haystack cover. E. D. Abramson. 2,635,562, Apr. 21.
Hay stacker. P. Mattice. 2,629,505, Feb. 24.
Haystacker, Portable. J. Harrington. 2,648,945, Aug. 18.
Hay sweep and stacker, Combination. J. E. Stratman. 2,654,494, Oct. 6.
Head and neck support. G. F. Brady. 2,632,497, Mar. 24.
Headband for hearing aid transducers. H. S. Knowles. 2,652,457, Sept. 15.
Headboard for beds. H. C. S. Katzoff. 2,624,891, Jan. 13.
Head box construction for Venetian blinds and mounting bracket therefor. G. L. Sherwood. 2,654,426, Oct. 6.
Head conforming mounting for adjustably positionable hair pieces. E. V. Selson. 2,651,310, Sept. 8.
Head covering. E. Berg. 2,629,103, Feb. 24.
Head covering, Illuminated. N. Prupis. 2,640,980, June 2.
Headdress. J. S. Degnon. 2,624,884, Jan. 13.
Head for gate operating mechanism for hopper cars. G. B. Dorey. 2,628,574, Feb. 17.
Head for regenerative furnaces. F. Bartu and H. Steyrleitner. 2,634,115, Apr. 7.
Head for spinning, drilling, and the like. A. Nyquist. 2,634,614, Apr. 14.
Head for spool, reel, and warp beams. R. V. Olson. 2,646,232, July 21.
Headgate form. L. F. Walton. 2,648,888, Aug. 18.
Headgear, Pocket-containing. K. Hassler. 2,640,992, June 9.
Headlamp for physicians and surgeons. W. G. Allyn, F. M. Scott, and E. H. Greppin. 2,651,301, Sept. 8.
Headlamp, Manually rotatable and tiltable. A. F. Chiuzzi. 2,639,367, May 19.
Headlight bezel ring mounting. R. N. Falge. 2,647,984, Aug. 4.
Headlight dimmer, Automatic. J. Rabinow. 2,632,040, Mar. 17.
Headlight having auxiliary reflector, Sealed. J. L. Grupen and S. M. Wheeler. 2,632,842, Mar. 24.
Headlight tester. J. P. Carr. 2,663,216, Dec. 22.
Headlight with alignable and removable lamp units, Twin sealed-beam type. T. E. McDowell. 2,647,204, July 28.
Head motion for looms. A. H. Landry. 2,637,347, May 5.
Head mount for binoculars, Contractible. H. K. Hartline, A. J. Rawson, and V. A. Legallais. 2,649,019, Aug. 18.
Head rail, Venetian blind closed. B. Walker. 2,663,368, Dec. 22.
Headrest. C. L. Fout. 2,626,654, Jan. 27.
Headrest. N. B. Pulsifer. 2,638,152, May 12.
Headrest. G. A. Taylor. 2,634,798, Apr. 14.
Headrest, Adjustable. L. J. Milne, A. J. Rawson, and H. K. Hartline. 2,647,438, Aug. 4.
Headrest, Adjustable. A. Samsky and H. M. Houseman. 2,652,101, Sept. 15.
Headrest and back rest, Combined. A. P. St. Aubin. 2,624,397, Jan. 6.
Headrest appliance. L. New. 2,649,142, Aug. 18.
Headrest, Creeper. H. W. Clark. 2,652,576, Sept. 22.
Headrest for automobiles. R. L. Rising. 2,642,927, June 23.
Headrest for cosmetic use. L. Budd. 2,634,435, Apr. 14.
Headrest for vehicles. H. J. Slowey. 2,642,124, June 16.
Headrest for vehicles, Removable. R. E. L. Felter. 2,661,050, Dec 1.
Headset for supporting a telephone. J. F. Anderson. 2,653,193, Sept. 22.
Headspacing adjusting device for firearms. C. W. Gilligan. 2,645,160, July 14.
Head support. H. B. and E. G. Whitley. 2,663,029, Dec. 22.
Headwall [redacted] road culverts. J. Alger. 2,636,352, Apr. 28.
Headwear. [redacted] H. Funk. 2,640,199, June 2.
Head[redacted]zing gauge. A. Wiebe. 2,643,461, June 30.
He[redacted] E. Loeffler. 2,641,284, June 9.
Header control for combines. N. R. Krause. 2,630,667, Mar. 10.
Header disk mounting. F. E. Stag. 2,630,124, Mar. 3.
Header integral with and sealed into boiler casing. E. W. Ludt. 2,654,353, Oct. 6.
Header mount for sidehill harvesters. H. D. Witzel. 2,656,668, Oct. 27.
Header supported wall for boilers. L. H. Hosbein. 2,649,846, Aug. 25.
Heading and like machine. A. B. Watt. 2,659,906, Nov. 24.
Hearing aid. P. J. Annas and R. A. Bice. 2,633,927, Apr. 7.
Hearing aid assembly adapted for head wear. J. C. Stalcup. 2,647,955, Aug. 4.
Hearing aid construction. W. R. Walters. 2,650,267, Aug. 25.
Hearing aid, Mechanical. J. R. Beaudry. 2,641,328, June 9.
Hearing aid test structure. D. B. Hull. 2,640,099, May 26.
Hearing aid with inductive pickup for telephone reception, Wearable. S. F. Lybarger. 2,656,421, Oct. 20.
Heart-lung apparatus. A. E. Chesler. 2,652,831, Sept. 22.
Hearth furnace. I. E. Cushing and G. M. Slaughter. 2,642,019, June 16.
Hearth type furnace. H. W. Beecher. 2,644,431, July 7.
Heat and pressure element for welding thermoplastic films. E. V. Dettner. 2,663,350, Dec. 22.
Heat bath, Infrared ray, indirectly heating. M. Achner. 2,655,155, Oct. 13.

Heat conduction arrester in automatic beverage dispensers. L. M. Lewis and L. M. Lewis, Jr. 2,626,785, Jan. 27.
Heat-conducting fabric. E. H. Hart. 2,628,046, Feb. 10.
Heat control in vertical furnace by flue gas recirculation. J. W. Throckmorton and J. S. Wallis. 2,648,599, Aug. 11.
Heat-controlled liquid switch. H. Loosli. 2,644,058, June 30.
Heat deflector for hair driers. D. C. Rochlin and G. M. Crepps. 2,637,853, May 12.
Heat dispersing apparatus. E. E. Brandes. 2,627,800, Feb. 10.
Heat dissipating handle. L. Baca. 2,635,280, Apr. 21.
Heat dissipating wheel cylinder construction for hydraulic automotive vehicle brakes. W. R. Freeman. 2,629,463, Feb. 24.
Heat dissipation of dynamic brakes. E. J. Justus. 2,633,541, Mar. 31.
Heat dissipator, Pilot burner. L. H. McCammant. 2,655,913, Oct. 20.
Heat-electrical power conversion through the medium of a charged aerosol. A. M. Marks. 2,638,355, May 12.
Heat exchange and sound absorbing wall unit. R. L. Siering. 2,655,348, Oct. 13.
Heat exchange apparatus. E. Jantsch. 2,634,118, Apr. 7.
Heat exchange apparatus. E. D. Lewis and R. M. Luckring. 2,652,037, Sept. 15.
Heat exchange apparatus for liquids containing solids. W. M. Bready. 2,651,508, Sept. 8.
Heat exchange assembly for centrifugal pumps. G. P. Jennings and L. P. Meade. 2,632,395, Mar. 24.
Heat exchange conduit for oil coolers. S. Przyborowski. 2,627,283, Feb. 3.
Heat exchange device and temperature control therefor. C. R. Alden. 2,631,218, Mar. 10.
Heat exchange insert for engine manifolds. H. J. Heinecke. 2,651,507, Sept. 8.
Heat exchange of fluidized solids with gases and vapors. F. T. Barr and W. A. Rex. 2,626,234, Jan. 20.
Heat exchange panel and its manufacture. R. A. Sandberg. 2,660,412, Nov. 24.
Heat exchange panel structure. A. T. Jorn. 2,662,746, Dec. 15.
Heat exchange pebble. S. S. Kistler. 2,624,556, Jan. 6.
Heat-exchange pebbles. S. P. Robinson. 2,644,799, July 7.
Heat exchange structure. A. G. Janos. 2,637,530, May 5.
Heat exchange structures, Making. G. R. Long. 2,662,273, Dec. 15.
Heat exchange type of tank heater. J. W. Brown, Jr. 2,640,686, June 2.
Heat exchange unit. W. Raskin. 2,646,971, July 28.
Heat exchanger. P. W. Bielfeldt. 2,655,347, Oct. 13.
Heat exchanger. H. Bonnaud. 2,643,100, June 23.
Heat exchanger. O. A. Carnahan. 2,648,527, Aug. 11.
Heat exchanger. T. A. Collito. 2,650,801, Sept. 1.
Heat exchanger. M. Frenkel. 2,659,392, Nov. 17.
Heat exchanger. L. H. Fritzberg. 2,626,783, Jan. 27.
Heat exchanger. L. H. Fritzberg. 2,650,799, Sept. 1.
Heat exchanger. W. Glover. 2,663,170, Dec. 22.
Heat exchanger. F. A. Hiersch. 2,633,338, Mar. 31.
Heat exchanger. M. H. Hofmeister. 2,657,020, Oct. 27.
Heat exchanger. M. H. Hofmeister. 2,660,410, Nov. 24.
Heat exchanger. E. W. Kaiser. 2,641,451, June 9.
Heat exchanger. S. Kopp. 2,644,675, July 7.
Heat exchanger. C. S. Simpelaar. 2,634,958, Apr. 14.
Heat exchanger. C. S. Simpelaar. 2,657,018, Oct. 27.
Heat exchanger. J. A. Stahn and J. C. Shaw. 2,653,799, Sept. 29.
Heat exchanger. R. Rigby and J. C. S. White. 2,643,098,
Heat exchanger. H. F. Rohmann. 2,634,108, Apr. 7.
Heat exchanger. E. A. Rose. 2,624,552, Jan. 6.
Heat exchanger. R. A. Sandberg. 2,661,191, Dec. 1.
Heat exchanger and ash collector apparatus. H. D. Fox. 2,654,582, Oct. 6.
Heat exchanger and manufacturing same, Plate type. P. Hodson and E. A. Lundstrom. 2,656,158, Oct. 20.
Heat exchanger and producing same, Recuperative. H. F. Buschow. 2,643,863, June 30.
Heat exchanger, Annular flow. H. F. Buschow. 2,662,749, Dec. 15.
Heat exchanger cleaning device. R. W. Drake. 2,634,164, Apr. 7.
Heat exchanger, Counter current. A. Huet. 2,650,802, Sept. 1.
Heat exchanger core with beam components. W. E. Hammond. 2,650,076, Aug. 25.
Heat exchanger device. L. Raskin. 2,626,130, Jan. 20.
Heat exchanger envelope comprising assembled channels and plates. W. E. Hammond and C. A. Ballard. 2,650,077, Aug. 25.
Heat exchanger envelope comprising notched channels mounting sinuous fin elements. W. E. Hammond and C. A. Ballard. 2,663,550, Dec. 22.
Heat exchanger, Extended surface. D. Dallin. 2,655,352, Oct. 13.
Heat exchanger, Fan type. A. L. Baker. 2,637,532, May 5.
Heat exchanger, Fluid to fluid. G. B. R. Feilden and R. E. Wigg. 2,639,125, May 19.
Heat exchanger for continuous treatment of fluent material. J. E. Laschinger. 2,660,408, Nov. 24.
Heat exchanger for internal-combustion engines. A. C. Buffum. 2,637,305, May 5.
Heat exchanger for producing granular salt products. E. W. Douglass and P. S. Dunn. 2,662,742, Dec. 15.
Heat, exchanger, Laminated. S. Holm and W. E. Hammond. 2,656,159, Oct. 20.
Heat exchanger, Liquid-to-liquid. R. C. Stutz. 2,661,934, Dec. 8.
Heat exchanger, Plate. R. P. L. Hytte. 2,659,580, Nov. 17.
Heat exchanger, Preheater-type. S. Horwitz. 2,658,729, Nov. 10.
Heat exchanger, Regenerative. A. T. Bowden, W. Hrynisak, and P. Kolb. 2,643,097, June 23.
Heat exchanger, Spiral. P. S. Otten. 2,663,549, Dec. 22.
Heat exchanger with adjustable casing for varying recirculation. L. R. Huber. 2,662,748, Dec. 15.
Heat exchanger with tube matrix. R. W. Corbitt and J. H. Dale. 2,655,346, Oct. 13.
Heat hardening of friction materials. C. S. Batchelor and H. J. Cofek. 2,641,801, June 16.
Heat insulating arrangement for a plurality of coaxial turbines having opposed flow through double-tier blading. D. J. Bloomberg. 2,624,173, Jan. 6.
Heat insulating body structure for isothermal and/or refrigerator vehicles. P. G. Clément. 2,657,088, Oct. 27.
Heat insulating container. E. Freedman. 2,643,021, June 23.
Heat interchange apparatus. F. R. Bell. 2,642,897, June 23.
Heat or flame detecting elements, Making. D. R. Squier. 2,639,247, May 19.
Heat power reactor. J. Fentonby. 2,648,191, Aug. 11.
Heat processing of fine-grained material, particularly cement raw material. F. Müller and L. H. Winners. 2,663,560, Dec. 22.
Heat protector roof construction for vehicles. H. P. Wittrien. 2,629,347, Feb. 24.
Heat recovery apparatus. W. E. Schmertz. 2,641,456, June 9.
Heat reducing attachment for light fixtures, including spaced upper and lower heat restrictors. I. Levy. 2,638,531, May 12.
Heat-resistant composition and making same. R. P. Stock. 2,650,206, Aug. 25.
Heat retaining means for hydrogen thyratron. M. L. Yeater. 2,648,024, Aug. 4.
Heat saving furnace. E. V. Langen. 2,625,139, Jan. 13.
Heat sealer. H. A. Rohdin. 2,663,353, Dec. 22.
Heat sealer for packages, Rotary side. V. G. Williams. 2,627,893, Feb. 10.
Heat-sealing. C. G. Bennett. 2,655,776, Oct. 20.
Heat sealing. N. Langer. 2,633,443, Mar. 31.
Heat sealing apparatus. G. J. Selvin. 2,647,557, Aug. 4.
Heat-sealing apparatus, Continuous. V. M. Morrel. 2,641,166, June 9.
Heat-sealing machine. W. Haas and F. D. Bergstein. 2,660,219, Nov. 24.
Heat sealing machine. N. Langer. 2,646,105, July 21.
Heat sealing method. N. Langer. 2,630,396, Mar. 3.
Heatsealing method. N. Langer. 2,650,183, Aug. 25.
Heat-sensitive recording element. M. Morrison. 2,625,494, Jan. 13.
Heat shield for incandescent lamps, Metallic. D. C. Morgan. 2,664,513, Dec. 29.
Heat shielded cathode. W. W. Watrous, Jr. 2,650,997, Sept. 1.
Heat stabilization of polyamides. G. S. Stamatoff. 2,640,044, May 26.
Heat stabilized cellulose yarn. W. E. Roseveare. 2,653,112, Sept. 22.
Heat stabilized molding compositions of vinyl aromatic polymers and making the same. A. F. Roche and R. M. Price. 2,624,719, Jan. 6.
Heat stabilizer for vinyl resins. S. S. Caldwell, G. J. Chertoff, and G. B. Curtiss. 2,629,700, Feb. 24.
Heat supply control. F. M. Varney. 2,650,030, Aug. 25.
Heat supply regulation of thermal power plants. P. Brunner. 2,645,083, July 14.
Heat transfer apparatus, Tubular. E. Jantsch. 2,663,321, Dec. 22.
Heat transfer assembly. H. A. Nason. 2,625,378, Jan. 13.
Heat transfer between exothermic and endothermic reactions. N. L. Dickinson. 2,642,381, June 16.
Heat transfer corrector for electronic molds. G. P. Bosomworth. 2,626,428, Jan. 27.
Heat transfer element supported against external or internal pressures. E. W. Wasielewski. 2,656,157, Oct. 20.
Heat transfer liquid of disproportionation mixture of alkyl orthosilicates. E. Da Fano. 2,640,032, May 26.
Heat transfer system. W. R. Smith. 2,630,789, Mar. 10.
Heat-treated alkali-metal carboxymethyl cellulose and preparing it. E. S. Elliott. 2,639,239, May 19.
Heat-treating a fluent substance. C. J. Lockman. 2,647,570, Aug. 4.
Heat-treating alloy steel. O. W. McMullan. 2,624,687, Jan. 6.
Heat-treating apparatus. J. A. Dow. 2,639,138, May 19.
Heat-treating citrus juices. H. S. Madsen. 2,628,168, Feb. 10.
Heat-treating combustible solids. W. W. Jukkola. 2,638,684, May 19.

Heat-treating element for heat-treating furnaces. J. A. Dow. 2,638,889, May 19.
Heat-treating furnace. H. M. Heyn. 2,624,561, Jan. 6.
Heat-treating material to be welded together, Means for and process of. H. B. Smith and G. A. Dolan. 2,649,529, Aug. 18.
Heat-treating metals having difficultly reducible oxides. P. H. Brace. 2,638,426, May 12.
Heat-treating tungsten-nickel alloys. C. Verdi. 2,655,457, Oct. 13.
Heat-treating textile fabrics, Method and apparatus for. H. E. Peck. 2,629,162, Feb. 24.
Heat-treatment apparatus. J. A. Redmond. 2,663,789, Dec. 22.
Heat treatment of aluminum alloys. L. J. Barker. 2,658,845, Nov. 10.
Heat-treatment of coagulated thermoplastic polymer latices. H. M. Hutchinson. 2,650,912, Sept. 1.
Heat treatment of filamentary material, Method of and apparatus for. R. G. Munson and G. M. La Pointe. 2,624,934, Jan. 13.
Heat-treatment of materials. F. P. Somogyi. 2,654,588, Oct. 6.
Heated base for cooking, Electrically. R. N. Kircher and W. G. Laabs. 2,638,526, May 12.
Heated cathode electron multiplier. S. Nevin. 2,640,169, May 26.
Heated device for antigen tests, Electrically. R. W. Terry. 2,634,359, Apr. 7.
Heated milking apparatus. N. Cordis. 2,625,643, Jan. 13.
Heated pressure air-driven power plant. J. J. Kupka. 2,653,448, Sept. 29.
Heated roller blind. B. G. A. Särnö. 2,660,659, Nov. 24.
Heater: *See*—
Air fan heater.
Antifreeze heater.
Automatic choke air heater.
Automatic electric water heater.
Automobile heater.
Battery heater.
Catalytic heater.
Chemical water heater.
Choke joint high-frequency heater.
Combination water and room heater.
Combination water and space combustion heater.
Constant temperature gas heater.
Convection heater.
Distributor heater.
Eddy current heater.
Electric air heater.
Electric heater.
Electric immersion heater.
Electric liquid heater.
Electric water heater.
Engine block heater.
Fluid heater.
Foldable ration heater.
Forced air circulating heater.
Fuel burning air heater.
Gas fired air heater.
Gas fueled radiant heater.
Gas fueled rail heater.
Gas heater.
Gravity sample heater.
Heat exchange type of tank heater.
High-frequency cavity heater.
Oil well heater.
Portable tool heater.
Pot type engine oil heater.
Radiant heater.
Sheathed resistor electric heater.
Side heater.
Sterilizing water heater.
Therapeutic heater.
Thermoelectric space heater.
Turbine heater.
Unit electric heater.
Vehicle heater.
Wall heater.
Water heater.
Well mounted fuel burning space heater.
Heater. J. W. Duhn. 2,631,517, Mar. 17.
Heater. V. Mekler, M. J. P. Bogart, O. C. Schauble, and E. H. Palchik. 2,641,234, June 9.
Heater and air conditioner of the heat pump type, Combined water. A. W. Ruff. 2,632,306, Mar. 24.
Heater and by-passing valve construction therefor, Tankless. H. W. Carter. 2,664,275, Dec. 29.
Heater and circulator, Hot oil. W. J. Miller. 2,636,490, Apr. 28.
Heater and draft shield, Gas fueled watering trough. C. A. Gunther and C. R. Vittetoe. 2,642,934, June 23.
Heater and fan, Electric. C. E. Jones. 2,633,647, Apr. 7.
Heater and furnace, Air circulating. S. D. Tate. 2,627,265, Feb. 3.
Heater and housing assembly therefor, Wall-mountable electric. G. Steingruber. 2,655,587, Oct. 13.
Heater and incinerator, Double tank water. M. J. Tierney. 2,641,231, June 9.
Heater and incinerator unit, Combination space and water. G. L. C. Earle. 2,638,891, May 19.
Heater and operating system therefor, Liquid fuel burning. S. J. Budlane. 2,637,377, May 5.
Heater and operating system therefor, Liquid fuel burning. S. J. Budlane. 2,642,933, June 23.
Heater and system, Vehicle. R. C. Spooner. 2,655,092, Oct. 13.
Heater appliance for lunch boxes, Electric. G. G. Kenney. 2,664,491, Dec. 29.
Heater arrangement for steam turbine power plants, Feedwater. J. E. Downs. 2,644,308, July 7.
Heater assembly, Water. H. L. Mohn. 2,627,252, Feb. 3.
Heater assembly for electric driers. G. S. Clemens. 2,651,705, Sept. 8.
Heater casing, Fluid. I. L. Langvand. 2,655,238, Oct. 13.
Heater construction, Baseboard. W. W. Hicks. 2,654,017, Sept. 29.
Heater control. W. J. F. O'Connor and F. A. Rowen, Jr. 2,664,245, Dec. 29.
Heater control. H. C. Simons. 2,634,670, Apr. 14.
Heater control, Car. A. C. Hoffman. 2,634,057, Apr. 7.
Heater connector. B. R. Corson and A. V. Platter. 2,641,728, June 9.
Heater control apparatus, Fluid. R. F. Dotson. 2,628,033, Feb. 10.
Heater fitting and connection. R. T. Schoerner. 2,656,981, Oct. 27.
Heater fittings, Water. F. A. McFerran. 2,652,358, Sept. 15.
Heater for asphalt and tars. J. F. Seevers. 2,629,366, Feb. 24.
Heater for bottled beverages. J. W. Taylor. 2,641,677, June 9.
Heater for buses, Standby hot water. E. A. Russell and N. O. Kirkby. 2,646,028, July 21.
Heater for bushing for fiber glass manufacture, Immersion. M. W. Phillips. 2,649,487, Aug. 18.
Heater for coffee makers and the like, Automatic. G. B. Davis, Jr. 2,625,642, Jan. 13.
Heater for fields, orchards, and the like. J. D. Robinson and H. A. Simpson. 2,641,085, June 9.
Heater for hog fountains, Electric. F. M. Beekley. 2,664,494, Dec. 29.
Heater for hot beverage vending machine, Liquid. E. J. Lime and C. S. Hedges. 2,643,322, June 23.
Heater for internal-combustion engines, Automatic. J. B. Kent and C. C. Zimmerman. 2,652,042, Sept. 15.
Heater for liquid cooled internal-combustion engines, Electrical head bolt replacement. G. H. Grinde and L. L. Wolf. 2,641,239, June 9.
Heater for oil and other wells. G. H. Roberts. 2,647,585, Aug. 4.
Heater for plant protection, Radiant. H. P. Bacon. 2,628,609, Feb. 17.
Heater for stock tanks. D. Fransen. 2,657,682, Nov. 3.
Heater for supplying hot gases. T. H. Ransome. 2,663,362, Dec. 22.
Heater for the coolant liquid of internal-combustion engines. J. A. Merritt. 2,640,138, May 26.
Heater having extensive heat transfer surfaces, Water. A. Lemos, Jr., and R. Cunningham, Jr. 2,638,878, May 19.
Heater jacket, Water. F. A. McFerran. 2,642,851, June 23.
Heater mounted in the convection section of furnaces, Air. F. Falla. 2,655,138, Oct. 13.
Heater or cooler, Combination space. E. O. Kunkel. 2,655,317, Oct. 13.
Heater outlet and air circulator, Combination. J. S. Andrews. 2,646,744, July 28.
Heater seal biased by circumferential spring, Regenerative. P. Hodson. 2,631,870, Mar. 17.
Heater with air-cooled motor, Forced air space. S. J. Helman. 2,647,506, Aug. 4.
Heater with backdraft diverter, Gas burning. J. W. Brown, Jr. 2,651,299, Sept. 8.
Heater with fan and support therefor, Annular core automobile. H. Stein. 2,639,124, May 19.
Heater with heat absorber-transmitter in the flue, Combination gas and electric hot-water. V. R. Rostek. 2,628,597, Feb. 17.
Heater with upright tubes, Fuel burning air. G. B. Herbster. 2,655,143, Oct. 13.
Heaters, Making electric. A. P. Charbonneau. 2,652,622, Sept. 22.
Heating. F. O. Hess. 2,625,387, Jan. 13.
Heating and air distributing structure, Radiant panel. A. T. and A. Jorn, Jr. 2,662,745, Dec. 15.
Heating and cooling apparatus, Automobile. L. R. Beavin. 2,653,349, Oct. 13.
Heating and cooling controller. E. J. Dillman. 2,631,781, Mar. 17.
Heating and injection cylinder in injection molding machine for thermoplastic materials. W. A. Venus. 2,656,567, Oct. 27.
Heating and ventilating device for automotive vehicles. J. Baldinus. 2,653,798, Sept. 29.
Heating and ventilating system, particularly for vehicles. E. L. Kessler. 2,637,500, May 5.
Heating and vibrating means for plow moldboards. C. M. Rhoten. 2,641,173, June 9.
Heating apparatus. J. M. Auñero. 2,631,217, Mar. 10.
Heating apparatus. W. M. Hall and F. A. Gross. 2,648,760, Aug. 11.
Heating apparatus. W. Hodgins. 2,643,060, June 23.
Heating apparatus. R. C. Johnson and C. C. Tyrrell. 2,640,467, June 2.
Heating apparatus and controls therefor, Combustion. F. B. Aubert. 2,654,422, Oct. 6.
Heating apparatus, Electric. H. N. Ipsen. 2,637,755, May 5.
Heating apparatus, Electric. H. N. Ipsen. 2,650,944, Sept. 1.
Heating apparatus, Electric Induction. J. C. Howard. 2,652,478, Sept. 15.
Heating apparatus, Electrical. C. E. Weller. Re. 23,619, Feb. 10.
Heating apparatus, Electrical high-frequency. F. O. Temple. 2,636,107, Apr. 21.
Heating apparatus for fuel tanks. V. E. Lagrange. 2,655,792, Oct. 20.
Heating apparatus for processing fine-granular material. F. Müller and L. H. Winners. 2,648,532, Aug. 11.

Heating apparatus for rooms, Baseboard. B. P. Gundrum and E. D. McElhaney. 2,651,504, Sept. 8.
Heating apparatus, High-frequency. R. M. Baker and R. J. O'Donnell. 2,636,975, Apr. 28.
Heating apparatus, High-frequency electrical. J. G. Litteil. 2,631,221, Mar. 10.
Heating apparatus, Regenerative. E. T. Linderoth. 2,655,205, Oct. 13.
Heating appliance. A. Alvarez. 2,630,634, Mar. 10.
Heating attachment for electric food mixers. B. L. Samuelsen. 2,652,235, Sept. 15.
Heating-control appliance. C. C. Doyle. 2,639,364, May 19.
Heating control system. A. H. Cubberley. 2,639,095, May 19.
Heating control system, Combustion. F. B. Aubert. 2,657,742, Nov. 3.
Heating device. C. Z. Alexander. 2,663,787, Dec. 22.
Heating device. W. I. E. Kamm, W. F. Krautter, and K. Staiger. 2,643,107, June 23.
Heating device. D. T. Lang. 2,624,332, Jan. 6.
Heating device, Electric. H. H. Goldstaub. 2,643,324, June 23.
Heating device, Electrical. C. H. Haynes. 2,640,906, June 2.
Heating device for preventing frost damage, Crop. W. R. Fowler, Jr., and B. R. McGill. 2,658,308, Nov. 10.
Heating device for window cleaners. W. C. Eaves. 2,627,011, Jan. 27.
Heating device, Fuel burning air. E. H. Plesset, W. R. Elswick, and P. A. Palmer. 2,642,858, June 23.
Heating element. A. Elfenninger, Jr. 2,643,320, June 23.
Heating element. C. H. Sparklin and P. J. More. 2,636,106, Apr. 21.
Heating element, Electric. M. Ireland. 2,659,799, Nov. 17.
Heating element, Electric. W. H. Zander. 2,659,800, Nov. 17.
Heating element, Electrical. P. Schenk. 2,637,797, May 5.
Heating element, Electrical. C. T. Suchy. 2,631,219, Mar. 10.
Heating element, Multiple. A. J. Huck and J. J. Kueser. 2,632,834, Mar. 24.
Heating element with internal return lead. A. J. Huck and J. J. Kueser. 2,632,833, Mar. 24.
Heating equipment, Adjustable dielectric. R. H. Hagopian. 2,629,812, Feb. 24.
Heating equipment, Induction. E. M. Wharff, Jr. 2,647,199, July 28.
Heating fluids. W. K. Lewis, Jr. 2,638,328, May 12.
Heating material in predetermined areas only preparatory to further processing, e. g., shearing, Method and apparatus for. G. E. Gard. 2,630,519, Mar. 3.
Heating narrow elongated portions of cylindrical bodies, Means for inductively. P. N. Sorensen. 2,632,840, Mar. 24.
Heating objects, Method and apparatus for. C. P. Mann. 2,656,170, Oct. 20.
Heating of fluids. M. W. Barnes. 2,655,136, Oct. 13.
Heating of glued joints, High-frequency. W. S. Thompson and H. Renn. 2,649,876, Aug. 25.
Heating of surfaces by laminated foil resistance elements with timed connecting means. J. Kinsella and E. O. Robertson. 2,627,012, Jan. 27.
Heating oil wells, Means for. J. J. Jakosky. 2,660,249, Nov. 24.
Heating opposed edges of elongated members. P. N. Sorensen. 2,652,474, Sept. 15.
Heating orchards and the like, Method and apparatus for. G. B. Fetrow and J. B. Browning. 2,632,978, Mar. 31.
Heating panel, Picture frame. J. L. Reynolds. 2,634,361, Apr. 7.
Heating panel, Radiant. W. W. Krauss. 2,628,078, Feb. 10.
Heating plant. R. W. De Lancey. 2,642,850, June 23.
Heating plate structure. K. Fischer. 2,664,492, Dec. 29.
Heating powdered material. R. P. Trainer. 2,647,738, Aug. 4.
Heating system and control therefor. A. E. Armstrong. 2,659,536, Nov. 17.
Heating system and integral tube and clip for use therein, Panel. R. L. Leadbetter, A. S. Chipley, and C. P. Certik. 2,662,744, Dec. 15.
Heating system, Electrical. J. W. Dickey. 2,664,489, Dec. 29.
Heating system, Fireplace. N. T. Brown. 2,642,859, June 23.
Heating system, Fluid. R. W. Curtis. 2,626,795, Jan. 27.
Heating system, Fluid. P. R. Grossman. 2,626,794, Jan. 27.
Heating system for bakers' ovens and other heating chambers. J. F. Naylor. 2,651,271, Sept. 8.
Heating system for baking ovens, Unit. C. Klein, R. C. Skarin, and W. G. Tinker. 2,637,283, May 5.
Heating system for tanks. R. W. Thompson and A. H. Graham. 2,624,553, Jan. 6.
Heating system for vertical industrial ovens of the conveyer type. C. F. Mayer. 2,628,087, Feb. 10.
Heating system, Hot water. L. E. Rollins. 2,626,107, Jan. 20.
Heating system, Radiant. J. J. Dietz. 2,649,530, Aug. 18.
Heating system, Radiant. A. H. Mayes. 2,659,803, Nov. 17.
Heating system, Radio-frequency. G. H. Brown. 2,635,176, Apr. 14.
Heating system, Water. E. B. Miller. 2,647,370, Aug. 4.
Heating system with outdoor control. E. B. Tidd. 2,626,755, Jan. 27.
Heating the interior of plastic preforms. J. W. Mann and G. F. Russell. 2,642,627, June 23.
Heating tube for deep fat fryers. W. C. Proehl. 2,655,944, Oct. 20.
Heating unit. J. E. Chambers and T. E. Phares. 2,641,245, June 9.
Heating unit. L. L. Goosman. 2,641,232, June 9.
Heating unit, Ammonia containing water. T. J. Digby. 2,645,209, July 14.
Heating unit and making the same. B. J. Vallorani and C. J. McConnell. 2,662,158, Dec. 8.
Heating unit assembly, Electrical. E. S. Smith. 2,633,521, Mar. 31.
Heating unit, Electric. N. G. Rehnqvist and G. E. H. Hildebrand. 2,635,164, Apr. 14.
Heating unit, Fluid. F. L. Kallam. 2,634,712, Apr. 14.
Heating unit, Induction. P. M. McKenna. 2,641,682, June 9.
Heating unit with improved hinge and ground connection, Surface. B. J. Vallorani. 2,662,157, Dec. 8.
Heating vessels, Means for. C. O. Glasgow and J. L. Maher. 2,625,915, Jan. 20.
Heating vessels, Means for. C. O. Glasgow and J. L. Maher. Re. 23,628 Mar. 10.
Heavy duty fiber container. J. R. Belsinger. 2,648,484, Aug. 11.
Heavy-duty fiber container. S. P. Belsinger. Re. 23,729, Oct. 27.
Heavy duty fiber container. S. P. Belsinger. 2,648,481–3, Aug. 11.
Heavy-duty meter facilities. R. A. Road and O. K. Coleman. 2,626,309, Jan. 20.
Heavy duty tree cutter. W. Mattson. 2,633,880, Apr. 7.
Heddle bar hanger. P. C. Consoletti. 2,634,762–3, Apr. 14.
Hedge trimmer. J. E. Holmes. 2,645,010, July 14.
Hedge trimmer, Adjustable reel-type. F. J. Jones. 2,645,074, July 14.
Hedge trimmer, Power-operated. C. Dodegge. 2,658,273, Nov. 10.
Heel breasting machine. L. Mawbey. 2,659,909, Nov. 24.
Heel construction for flimsy foot coverings. W. J. Paul. 2,657,478, Nov. 3.
Heel cushion insert. J. Kriegel. 2,632,964, Mar. 31.
Heel element, Rotatable and reversible. R. Rochlin. 2,628,439, Feb. 17.
Heel end construction, Shoe. J. Lelyveld. 2,635,362, Apr. 21.
Heel guard, Plastic. E. Lindner and M. Muller. 2,661,549, Dec. 8.
Heel plate for ski boots. F. Meingast. 2,635,364, Apr. 21.
Heel seat fitting machine. F. A. Elch and L. G. Miller. 2,639,448, May 26.
Heel, Shoe. J. G. Ballasch. 2,645,864, July 21.
Heel tread, Detachable. W. J. Herald and R. Murray. 2,648,917, Aug. 18.
Heel, Walking. F. O. Wright. 2,634,723, Apr. 14.
Height-adjustable table. A. L. Hubbard. 2,649,345, Aug. 18.
Height gauge. A. Deakin. 2,626,463, Jan. 27.
Helical conveying apparatus, Continuous strand. E. T. Lorig. 2,654,139, Oct. 6.
Helical gas flow channel for solid propellants. C. R. Vegren. 2,661,692, Dec. 8.
Helical spring valve. T. P. Monahan. 2,638,925, May 19.
Helically-coiled hole gauge. J. H. Dulligan. 2,661,541, Dec. 8.
Helicopter. J. Udelman. 2,646,130, July 21.
Helicopter-airplane. O. A. Carnahan. 2,629,570, Feb. 24.
Helicopter, Multiple rotor. C. G. Pullin. 2,651,480, Sept. 8.
Helicopter, Parachute-equipped. C. E. Bannister. 2,657,880, Nov. 3.
Helicopter rotor. P. F. Lapidovsky. 2,658,575, Nov. 10.
Helicopter rotor. R. H. Miller. 2,642,143, June 16.
Helicopter rotor. I. I. Sikorsky. 2,627,929, Feb. 10.
Helicopter rotor actuation and control. A. C. Peterson. 2,655,997, Oct. 20.
Helicopter rotor control mechanism. W. Vandermeer. 2,663,374, Dec. 22.
Helicopter rotor control system. N. J. Papadakos. 2,629,567, Feb. 24.
Helicopter rotor cyclic pitch control. R. P. Alex. 2,629,452, Feb. 24.
Helicopter rotor stabilizer, Automatic. A. M. Young. 2,646,848, July 28.
Helicopter stabilizer. J. R. Sherry. 2,630,985, Mar. 10.
Helicopter stabilizing device. E. R. Doak. 2,625,997, Jan. 20.
Helicopter transmission mechanism. G. W. Tidd. 2,648,386, Aug. 11.
Helicopter wings and other aircraft structures with boundary layer control. E. A. Stalker. 2,639,874, May 26.
Helium and mixtures thereof with carbon dioxide as fire extinguishants. R. L. Tuve. 2,641,323, June 9.
Helmet. J. L. Kleinman. 2,629,095, Feb. 24.
Helmet. T. T. MacLean. 2,639,428, May 26.
Helmet. A. J. Turner and J. G. Havey. 2,634,415, Apr. 14.

Helmet, Crash. H. P. Roth and C. F. Lombard. 2,625,683, Jan. 20.
Helmet for protection against low-temperatures. V. K. Eloranta. 2,642,574, June 23.
Helmet, Plastic. G. A. Lyon. 2,632,173–4, Mar. 24.
Helmet, Plastic. G. A. Lyon. 2,663,874, Dec. 29.
Helmet, Welder's. L. A. Meyer. 2,644,161, July 7.
Hem-folding attachment. N. Knaus and A. G. Millington. 2,649,066, Aug. 18.
Hem guide. L. G. Johnson. 2,638,672, May 19.
Hem marker, Mechanical. G. F. Halpin and E. Lazaroff. 2,659,147, Nov. 17.
Hemmer. A. J. Gentillo. 2,647,479, Aug. 4.
Hemmer. H. Sherman. 2,642,827, June 23.
Hematin standardized reagent, Preparing. T. E. Weichselbaum. 2,664,403, Dec. 29.
Hemiacetals. G. W. Mast and F. E. Anderson. 2,657,241, Oct. 27.
Hemostatic agent, Preparing a. A. Schoch. 2,658,020, Nov. 3.
Hemostatic compositions. J. Henderson, A. Bloch, and H. L. Davis. 2,642,375, June 16.
Herbicidal composition. M. Kosmin and A. Schlesinger. 2,624,666, Jan. 6.
Herbicidal composition. D. T. Mowry and A. H. Schlesinger. 2,634,203, Apr. 7.
Herbicidal composition. D. T. Mowry and A. H. Schlesinger. 2,661,275, Dec. 1.
Herbicidal composition. A. H. Schlesinger. 2,624,665, Jan. 6.
Herbicidal composition. A. H. Schlesinger. 2,634,200, Apr. 7.
Herbicidal composition and weed control. L. B. Scott, R. R. Whetstone, J. Van Overbeek, and R. Blondeau. 2,633,418, Mar. 31.
Herbicidal composition, Selective. F. J. Sowa. 2,626,212, Jan. 20.
Herbicidal compositions. F. B. Erickson and A. H. Schlesinger. 2,624,662, Jan. 6.
Herbicidal compositions. M. Kosmin. 2,637,647, May 5.
Herbicidal compositions. D. T. Mowry and N. R. Piesbergen. 2,628,163, Feb. 10.
Herbicidal compositions. D. T. Mowry and A. H. Schlesinger. 2,634,201, Apr 7.
Herbicidal compositions. A. H. Schlesinger. 2,661,273–4, Dec. 1.
Herbicidal compositions containing esters of thiolacetic acid. L. L. Baumgartner. 2,631,935, Mar. 17.
Herbicides. J. K. Fincke. 2,634,202, Apr. 7.
Herbicides. R. M. Hedrick and D. T. Mowry. 2,652,322, Sept. 15
Herbicides. M. Kosmin and A. H. Schlesinger. 2,653,865, Sept. 29.
Herbicides. D. T. Mowry and R. M. Hedrick. 2,652,323, Sept 15.
Herbicides. D. T. Mowry and A. H. Schlesinger. 2,624,664, Jan. 6.
Herbicides. D. T. Mowry and A. H. Schlesinger. 2,661,277, Dec. 1.
Herbicides. A. H. Schlesinger and M. Kosmin. 2,630,381, Mar. 3.
Herbicides. A. H. Schlesinger and D. T. Mowry. 2,661,276, Dec. 1.
Hermetic package sealing machine. L. L. Brandenburg and G. W. Orem. 2,646,837, July 28.
Hermetic seal between shielded conductor and casing. R. A. Lamoureaux, Jr. 2,636,072, Apr. 21.
Hermetic seal for coke oven doors. W. T. Brown. 2,662,053, Dec. 8.
Hermetic seal having floatingly mounted socket contacts. M. N. Glickman, M. Klebanoff, and S. W. Neidorf. 2,638,573, May 12.
Hermetic variable gap crystal holder. A. E. Miller. 2,624,854, Jan. 6.
Hermetically sealed lever operated switch. W. L. Dietrich. 2,644,061, June 30.
Hermetically sealed pressure switch. G. A. Starbird. 2,648,732, Aug. 11.
Hermetically-sealed shaft coupling. R. Munro. 2,627,753, Feb. 10.
Heterocyclic azo-dyestuff. C. Graenacher, H. Bruengger, and A. E. Siegrist. 2,653,927, Sept. 29.
Heterocyclic azo-dyestuff derivatives. C. Graenacher, H. Bruengger, and A. E. Siegrist. 2,653,928, Sept. 29.
Heterocyclic compounds containing sulfur and nitrogen in the ring. S. Melamed and W. J. Croxall. 2,624,729, Jan. 6.
Heterocyclic metal and sulfur organic compounds. E. A. H. Friedheim. 2,664,432, Dec. 29.
Heterocyclic monoazodyestuffs. E. Fischer. 2,658,888, Nov. 10.
Heterocyclic organo-tin compounds containing oxygen, sulfur, and tin in the ring. W. A. Gregory. 2,636,891, Apr. 28.
Heterocyclic polymethylene-bis-quaternary ammonium salts and preparing same. C. J. Eastland, E. P. Taylor, and H. O. J. Collier. 2,662,083, Dec. 8.
Heterocyclic sulfonic acids, Preparation of. R. A. Mathes and F. D. Stewart. 2,656,354, Oct. 20.
Heterogeneous, acidic hydrolysis of polymeric esters. M. T. Goebel. 2,629,713, Feb. 24.
Hexa(alkoxy) and hexa(alkylthio)disiloxanes. B. A. Orkin. 2,626,957, Jan. 27.
Hexachlorocyclopentadiene, Manufacture of. J. S. Newcomer. 2,631,171, Mar. 10.
Hexachlorocyclopentadiene, Production of. A. H. Maude and D. S. Rosenberg. 2,650,942, Sept. 1.
Hexachlorocyclopentenone preparation. E. T. McBee and J. S. Newcomer. 2,650,939, Sept. 1.
Hexahydrolupulon and the salts thereof, Production of. J. F. Carson. 2,640,856, June 2.
Hexamethylenediamines, Preparation of. G. W. Rigby. 2,657,239, Oct. 27.
Hexamethylene-1 : 6-bis-trimethyl-ammonium bitartrate. H. J. Barber. 2,661,370, Dec. 1.
Hexamine, Production of. A. F. MacLean and A. L. Stautzenberger. 2,640,826, June 2.
Hexuronic acids and derivatives thereof, Preparation of. D. H. Couch and E. A. Cleveland. 2,650,237, Aug. 25.
Hide and skin working machine employing rotating rolls. R. F. Whitney. 2,639,603, May 26.
Hide glue, Making. A. Spence, M. S. Lev, and W. A. Reddie. 2,648,659, Aug. 11.
High acrylonitrile polymer solutions. G. W. Stanton, T. B. Lefferdink, and C. W. Davis. 2,648,648, Aug. 11.
High alcohols by improved oxo process, Production of. W. J. Cerveny. 2,638,488, May 12.
High alcohols by improved oxo process, Production of. L. W. Russum and R. J. Hengstebeck. 2,638,487, May 12.
High aperture four component objective of the Gauss type. H. Ito. 2,645,973, July 21.
High aperture wide angle four component Gauss type objective. H. Ito. 2,645,975, July 21.
High-capacity current limiter. I. F. Matthysse. 2,625,626, Jan. 13.
High chair and walker, Combined. J. J. Brazell. 2,625,203, Jan. 13.
High current density beam tube. J. F. Hull. 2,632,130, Mar. 17.
High efficiency nuclear electrostatic generator. J. H. Coleman. 2,633,542, Mar. 31.
High-energy radiation counter. L. Goldstein. 2,657,315, Oct. 27.
High explosive disk-shaped charge for seismic exploration. T. C. Poulter. 2,656,003, Oct. 20.
High fidelity loud-speaker cabinet. W. R. Anthony. 2,643,728, June 30.
High fidelity slip control. W. M. Winslow. 2,661,825, Dec. 8.
High-frequency apparatus. J. R. Woodyard. 2,653,271, Sept. 22.
High-frequency cavity heater. H. E. Revercomb and P. W. Morse. 2,632,090, Mar. 17.
High-frequency coupling circuits. G. W. Fyler and A. Goldsmith. 2,629,822, Feb. 24.
High-frequency coupling system. D. W. Blancher. 2,660,710, Nov. 24.
High-frequency dielectric heating apparatus. G. Muntz, Jr. 2,624,830, Jan. 6.
High-frequency electric potential divider. A. E. C. Bennett. 2,640,940, June 2.
High-frequency electron discharge tube system. G. Diemer. 2,643,332, June 23.
High-frequency energy dividing apparatus. W. W. Hansen. 2,643,296, June 23.
High-frequency energy interchange device. R. Kompfner. 2,653,270, Sept. 22.
High-frequency furnace. L. Blok. 2,662,162, Dec. 8.
High-frequency generator. W. R. Hewlett and H. M. Zeidler. 2,652,511, Sept. 15.
High-frequency glue curing press. H. Renn. 2,649,877, Aug. 25.
High-frequency induction-heating appartaus. A. C. Body. 2,654,019, Sept. 29.
High-frequency induction heating, Means and method for. J. F. Cachat and A. C. Body. 2,632,092, Mar. 17.
High-frequency induction welding apparatus and process. L. P. Garner and W. N. Parker. 2,625,637, Jan. 13.
High-frequency inductor. M. R. Hubbard. 2,629,081, Feb. 17.
High-frequency inductor. P. N. Sorensen. 2,655,589, Oct. 13.
High-frequency inductor. J. B. Wadhams. 2,655,588, Oct. 13.
High-frequency inductor arrangement. A. C. Body and J. F. Cachat. 2,635,177, Apr. 14.
High-frequency magnetron. C. V. Litton. 2,642,551, June 16.
High-frequency shunt. Q. A. Kerns. 2,634,307, Apr. 7.
High-frequency signal translation circuit. L. R. Philpott. 2,629,821, Feb. 24.
High-frequency sole attaching. G. T. Hart. 2,658,213, Nov. 10.
High-frequency system employing a reflector. M. P. Middlemark. 2,625,655, Jan. 13.
High-frequency tube. D. B. Harris and R. L. McCreary. 2,641,733, June 9.
High-frequency-tuner. R. F. Romero. 2,646,500, July 21.
High-frequency variable coupling structure. L. A. G. ter Veen. 2,660,714, Nov. 24.
High input impedance semiconductor amplifier. G. Bergson. 2,660,624, Nov. 24.
High molecular weight elastic hydrocarbon polymers, Production of. W. F. Faragher. 2,634,257, Apr. 7.

High molecular weight ester from water miscible alcohol, Manufacture of. R. E. Merz. 2,637,736, May 5.
High octane fuel components, Production of. J. P. Hogan. 2,642,467, June 16.
High octane gasoline, Making. R. A. Findlay. 2,656,301, Oct. 20.
High polymers of alpha-methyl styrene, Making. T. E. Werkema. 2,658,058, Nov. 3.
High power transmit-receive box. L. D. Smullin. 2,647,952, Aug. 4.
High power tube blocking condenser. C. H. Scullin. 2,628,328, Feb. 10.
High precision glass stopcocks, Production of. M. Manes, J. E. Hofer, and R. D. Hinkel. 2,648,179, Aug. 11.
High pressure and temperature reaction chamber. C. F. Bonilla. 2,664,348, Dec. 29.
High-pressure discharge lamp. J. A. St. Louis and J. M. Pomfrett. 2,660,692, Nov. 24.
High-pressure fluid hydraulic propulsion system having means for avoiding shocks. C. P. Baldwin. 2,625,913, Jan. 20.
High-pressure metal vapor electric discharge lamp. V. J. Francis and E. H. Nelson. 2,650,322, Aug. 25.
High-pressure pump. L. J. Geeraert. 2,653,552, Sept. 29.
High-pressure pump. L. V. Jones. 2,631,543, Mar. 17.
High-pressure pump. J. F. Murray and J. C. Osborne. 2,649,740, Aug. 25.
High-pressure pump. M. L. Rhine. 2,628,568, Feb. 17.
High-pressure valve. W. C. Buescher. 2,631,612, Mar. 17.
High receiving and low servicing antenna mounting. D. N. Thompson and W. B. Harris. 2,639,381, May 19.
High selectivity receiver. R. S. Bailey. 2,629,818, Feb. 24.
High-speed commutator. D. E. St. John. 2,658,142, Nov. 3.
High-speed continuous extractor. J. L. White. 2,660,518, Nov. 24.
High-speed double-action press. V. Georgeff. 2,644,417, July 7.
High-speed lidder. G. E. Thornton, E. A. Verrinder, G. E. Stilwell, E. J. McGrath, and J. R. Richards. 2,630,566, Mar. 10.
High-speed silver dye bleachout taking and printing film. J. A. Sprung. 2,652,328, Sept. 15.
High-speed standardization of potentiometers. A. J. Williams, Jr. 2,657,349, Oct. 27.
High-speed starter. S. Gilbert and C. Metsger. 2,640,359, June 2.
High-speed tape-handling mechanism. J. E. De Turk and J. H. MacNeill. 2,656,129, Oct. 20.
High speed trip device for electric circuit breakers. M. Kuwayama. 2,662,136, Dec. 8.
High spot marker. V. O. Lucia. 2,633,637, Apr. 7.
High strength rotating elements, Making. R. B. Johnson, Jr. 2,629,923, Mar. 3.
High-temperature cleaning of ferrous metal. C. Cone and J. Huebler. 2,625,495, Jan. 13.
High temperature coefficient resistor and making it. J. A. Becker and H. Christensen. 2,633,521, Mar. 31.
High-temperature expansion joint. P. G. Ipsen. 2,649,315, Aug. 18.
High-temperature liquid heat system. R. A. Hitch and E. Da Fano. 2,650,031, Aug. 25.
High-temperature polymerization of styrene. H. F. Park. 2,659,717, Nov. 17.
High-temperature reactor. K. W. Stookey. 2,645,566, July 14.
High-temperature sodium myristate grease containing N,N'diphenyl para-phenylene diamine. G. W. Eckert. 2,663,690, Dec. 22.
High-temperature steel and articles. P. A. Jennings. 2,657,130, Oct. 27.
High-temperature treatment of compounds. R. E. Stanton. 2,657,917, Nov. 3.
High vacuum gauge. J. W. M. Du Mond. 2,655,044, Oct. 13.
High-vacuum device. R. B. Lawrance. 2,630,266, Mar. 3.
High vacuum diffusion pump. B. B. Dayton. 2,639,086, May 19.
High vacuum system with recirculating conduit. R. H. McFee. 2,636,655, Apr. 28.
High velocity process for synthesis of organic compounds. H. G. McGrath and L. R. Hill. 2,640,844, June 2.
High/viscosity index lubricating oils, Production of. A. T. Watson and S. H. Hastings. 2,643,217, June 23.
High viscosity olefin, Production of. R. L. Heinrich. 2,631,176, Mar. 10.
High viscosity products having petroleum oil base and product of such method, Making. S. H. Frohmader and V. C. Archer. 2,627,938, Feb. 10.
High-voltage arrester. R. G. Sands. 2,644,115, June 30.
High-voltage circuit breaker. J. D. Wood. 2,625,628, Jan. 13.
High-voltage contactor system. F. Y. Grepe. 2,625,627, Jan. 13.
High-voltage electrode housing and terminal assembly for gaseous discharge tubes. S. C. Miller. 2,654,870, Oct. 6.
High-voltage fuse. R. L. Murray, W. H. McCure, and E. W. Garrison, Jr. 2,660,644, Nov. 24.
High-voltage generator. G. C. Sziklai and A. C. Shroeder. 2,630,549, Mar. 3.
High-voltage multiplier probe. G. N. Goldberger and V. I. Robinson. 2,641,630, June 9.
High-voltage power supply. P. S. Goodwin. 2,632,143, Mar. 17.
High-voltage supply for cathode-ray tubes. B. S. Vilkomerson. 2,628,327, Feb. 10.
High-voltage system. K. W. Robinson. 2,646,542, July 21.
High-voltage terminal connector. F. G. Street, Jr. 2,639,313, May 19.
High wet-strength paper and making. J. Kamlet. 2,624,686, Jan. 6.
Higher alkyl ester production. E. A. M. F. Dahmen. 2,640,070, May 26.
Higher alkylphenyl nitrogen compounds. M. Cenker and W. K. Langdon. 2,658,925, Nov. 10.
Higher fatty acid synthesis from oxo bottoms. R. B. Mason. 2,648,694, Aug. 11.
Higher ketones, Production of. F. F. Rust and W. E. Vaughan. 2,650,253, Aug. 25.
Higher secondary-alkyl orthosilicates. C. R. Morgan. 2,643,263, June 23.
Highly corrected telephoto objective lens. J. G. Baker. 2,629,285, Feb. 24.
Highway guard. N. E. Hendrickson. 2,646,969, July 28.
Hinge. J. Raskin. 2,641,794, June 16.
Hinge. J. F. Summersgill. 2,655,686, Oct. 20.
Hinge. L. E. Tassell. 2,624,067, Jan. 6.
Hinge accessory. A. M. Hess. 2,662,242, Dec. 15.
Hinge, Adjustable. R. G. Polson. 2,657,421, Nov. 3.
Hinge, Adjustable gate. J. M. Thompson. 2,651,806, Sept. 15.
Hinge adjusting and bending tool. F. A. Phipps. 2,641,946, June 16.
Hinge and gate construction. E. Gillette. 2,644,258, July 7.
Hinge and latch, Combined. F. C. Phillips. 2,656,562, Oct. 27.
Hinge and latch for doors, Combined. J. J. Carcereny. 2,660,752, Dec. 1.
Hinge and latch mounting, Combined. H. H. Cohun. 2,636,212, Apr. 28.
Hinge and lock, Combination gate. R. Esslinger. 2,648,092, Aug. 11.
Hinge and support, Lid balancing. W. O. Burke. 2,638,621, May 19.
Hinge assembly. C. C. Fish. 2,634,455, Apr. 14.
Hinge assembly. P. B. Schwering. 2,632,917, Mar. 31.
Hinge, Automobile door. S. B. Atwood and W. J. Kush. 2,645,809, July 21.
Hinge, Automobile door. R. A. Laible. 2,651,805, Sept. 15.
Hinge, Cabinet door. S. E. Weinthal, S. A. and L. J. Flowers. 2,661,085, Dec. 1.
Hinge, Cardboard box spring. L. Young. 2,648,485, Aug. 11.
Hinge construction. W. C. Buescher. 2,646,188, July 21.
Hinge construction. C. C. Fish. 2,639,462, May 26.
Hinge construction. E. S. Irelan. 2,624,908, Jan. 13.
Hinge construction. S. L. Young. 2,629,881, Mar. 3.
Hinge construction for elevating chair seats. P. A. Terry. 2,646,106, July 21.
Hinge construction for laminated plywood cupboards and doors, Offset. D. R. Wilhelmi. 2,648,870, Aug. 18.
Hinge construction for receptacles composed of molded parts. N. W. Roop. 2,646,187, July 21.
Hinge, Couch. E. G. Krakauer. 2,624,889, Jan. 13.
Hinge, Counterbalanced. W. R. Jones. 2,656,563, Oct. 27.
Hinge, Cover lift. A. R. Turner. Re. 23,678, June 30.
Hinge, Detachable. R. E. McClellan. 2,644,192, July 7.
Hinge, Detachable leaf. A. Colonna. 2,658,232, Nov. 10.
Hinge, Door. J. H. Lewis. 2,655,685, Oct. 20.
Hinge, Double-acting gravity. K. Kalleberg. 2,661,495, Dec. 8.
Hinge for doors, Springless self-closing. M. Moskoff. 2,630,595, Mar. 10.
Hinge for low-temperature cabinets, Spring. W. O. Burke. 2,641,019, June 9.
Hinge for molded plastic parts and making the same. P. J. Graham. 2,624,907, Jan. 13.
Hinge for multisection overhead doors. J. F. McKee and M. E. Hartzler. 2,645,807, July 21.
Hinge for shoe lasts. C. H. Heitman and R. R. Niehaus. 2,651,794, Sept. 15.
Hinge for soda fountain lids, Sanitary. H. S. Petersen. 2,652,587, Sept. 22.
Hinge for windows. E. Särenholm. 2,645,811, July 21.
Hinge for windows, Pivot. E. Särenholm. 2,640,221, June 2.
Hinge guard. N. E. Peeler. 2,641,792, June 16.
Hinge, including a detachable leaf. I. Kimmel. 2,658,233, Nov. 10.
Hinge, Indexing. M. F. Feldberg. 2,635,281, Apr. 21.
Hinge joint. W. G. Snyder. 2,641,018, June 9.
Hinge, Locking. R. E. Ulrich. 2,645,446, July 14.
Hinge mounting for angular adjustment. F. W. Schmidt, W. F. Moore, and A. R. Edberg. 2,660,368, Nov. 24.
Hinge, Multiple leaf concealed. R. J. Wilson. 2,648,093, Aug. 11.
Hinge, Pole. H. E. Rutledge. 2,645,511, July 14.
Hinge, Resilient folding rule. H. M. and J. E. Gasstrom. 2,663,940, Dec. 29.
Hinge, Sofa-bed. E. G. Krakauer. 2,651,054, Sept. 8.
Hinge, Sofa bed. R. A. Nowell. 2,629,883, Mar. 3.
Hinge, Spring. M. H. Scott. 2,654,118, Oct. 6.

Hinge structure. G. W. Lyons. 2,626,421, Jan. 27.
Hinge structure for goggles. A. F. Parmelee. 2,648,067, Aug. 11.
Hinge, Yieldable adjustable. R. E. Slopa. 2,629,893, Mar. 3.
Hinge, Yieldable overlap. R. E. Slopa. 2,629,892, Mar. 3.
Hinged base frame for portable derrick masts. J. P. Selberg. 2,660,268, Nov. 24.
Hinged bus enclosure. W. H. Schymik. 2,664,456, Dec. 29.
Hinged closure. E. Dolar. 2,660,329, Nov. 24.
Hinged closure, Interlocked. J. A. O'Reilly. 2,643,047, June 23.
Hinged finish molding. D. H. Bratton and J. H. Wernig. 2,649,329, Aug. 18.
Hinged lid actuator and prop. C. Hollerith. 2,625,293, Jan. 13.
Hinged light bulb protector. C. L. Suchan. 2,640,147, May 26.
Hinged multicell cover. L. E. Wells and R. M. Raney. 2,629,760, Feb. 24.
Hinged pole construction. C. W. Ithea. 2,629,465, Feb. 24.
Hinged wheel-supported hatch cover. K. W. Jernstrom. 2,656,810, Oct. 27.
Hingeless dental clamp. W. E. Mathison. 2,645,014, July 14.
Hinges, Making. E. H. Bevens. 2,645,841, July 21.
Hinging means. W. J. White. 2,650,388, Sept. 1.
Hitch and grill guard attachment for tractors. E. N. Meyer and H. J. Steiner. 2,637,586, May 5.
Hitch and platform unit for tractors, Combined. R. B. Horn and J. K. Bauer. 2,624,595, Jan. 6.
Hitch, Combination. F. M. Fraga. 2,640,708, June 2.
Hitch device. J. G. Lindeman. 2,633,068, Mar. 31.
Hitch, Disk harrow. C. J. Bender. 2,630,661, Mar. 10.
Hitch, Disk harrow. W. P. Oehler and C. H. Youngberg. 2,632,291, Mar. 24.
Hitch for heavy implements. R. W. Wilson. 2,654,304, Oct. 6.
Hitch for offset disk harrows, Multiple. L. E. Heckathorn. 2,630,662, Mar. 10.
Hitch for tractors, Controllable load transfer. E. V. Bunting. 2,627,796, Feb. 10.
Hitch for tractors, Pull-up. G. L. Gustafson. 2,626,125, Jan. 20.
Hitch mechanism for roll-over scrapers. T. W. Paul. 2,635,365, Apr. 21.
Hobbing machine. W. S. Praeg. Re. 23,752, Dec. 15.
Hobbing machine. O. E. Staples and A. J. Bent. 2,629,290, Feb. 24.
Hobbyhorse. E. M. Kennedy. 2,651,880, Sept. 15.
Hobbyhorse. F. I. Louckes. 2,655,375, Oct. 13.
Hobbyhorse. R. M. Spangler. 2,625,395, Jan. 13.
Hobbyhorse, Mechanical. J. O. Hahs. 2,634,975, Apr. 14.
Hobbyhorse, Mechanical. J. H. Terreson. 2,637,554, May 5.
Hobbyhorse mounted on wheels, Galloping. E. Schoebel. 2,635,886, Apr. 21.
Hod stand. H. M. Young, Jr. 2,646,239, July 21.
Hoe. W. L. Upson. 2,662,461, Dec. 15.
Hoe attachment for earth-working implements, Yieldable vineyard. J. H. Rentfrow. 2,650,531, Sept. 1.
Hoe guided by tractor steering mechanism, Grape. R. E. Ermey. 2,662,458, Dec. 15.
Hog cradle, Collapsible. G. S. Diekman. 2,653,347, Sept. 29.
Hog dropper device. L. R. Spooner. 2,652,589, Sept. 22.
Hog feeder. W. J. Pax. 2,653,571, Sept. 29.
Hog feeder. M. L. Rysdon and R. C. Moyer. 2,661,720, Dec. 8.
Hog ring clinching tool. W. D. Chilton. 2,656,539, Oct. 27.
Hog watering tank. H. A. Smith. 2,629,040, Feb. 17.
Hoist. T. M. Date. 2,626,505, Jan. 27.
Hoist. O. E. Dotson. 2,642,266, June 16.
Hoist. C. M. Sales. 2,643,856, June 30.
Hoist. C. M. Sales. 2,648,521, Aug. 11.
Hoist. R. P. Trautner. 2,634,875, Apr. 14.
Hoist. T. Weatherford. 2,646,893, July 28.
Hoist and binder, Automatic. F. W. Coffing. 2,658,721–2, Nov. 10.
Hoist-and conveyer, Article-handling. M. A. Thompson. 2,627,968, Feb. 10.
Hoist attachment for tractors. W. C. Lathers, Jr. 2,627,983, Feb. 10.
Hoist attachment for tractors. L. Paulette. 2,643,092, June 23.
Hoist construction. F. Lock. 2,656,150, Oct. 20.
Hoist, Dump. D. M. Van Pelt, L. W. Sanner, and J. Wilson. 2,653,052, Sept. 22.
Hoist for ladders, Hydraulic. K. E. and M. E. Chesney. 2,650,750, Sept. 1.
Hoist, Full automatic. F. W. Coffing. 2,658,723, Nov. 10.
Hoist hook assembly. J. G. Myers. 2,625,005, Jan. 13.
Hoist limit mechanism. F. Lock. 2,637,525, May 5.
Hoist, Manually actuated cable. R. Mallory. 2,655,342, Oct. 13.
Hoist mechanism, Chain. L. E. Rausenberger and D. L. Getz 2,649,280, Aug. 18.
Hoist mechanism for dump vehicles, Hydraulic. W. D. Shadwick. 2,635,004, Apr. 14.
Hoist, Pneumatic. W. Blair. 2,644,307, July 7.
Hoist, Portable. L. D. Barry. 2,640,612, June 2.
Hoist, Portable. H. W. Beatty. 2,631,010, Mar. 10.
Hoist structure. J. R. Coffing. 2,647,724–5, Aug. 4.
Hoist, Tire. C. E. Branick. 2,634,095, Apr. 7.
Hoist, Trailer. C. Straub. 2,651,498, Sept. 8.
Hoist, Wagon. T. G. Walker. 2,652,229, Sept. 15.
Hoist with friction brake, Milk can. J. J. Voda. 2,654,570, Oct. 6.
Hoisting and dumping means for trucks carrying dirt. R. Nussberger and J. Pellat-Finet. 2,646,902, July 28.
Hoisting and stretching apparatus. L. V. Mallory. 2,648,985, Aug. 18.
Hoisting and lifting device. H. L. Braun. 2,626,176, Jan. 20.
Hoisting apparatus. C. J. Ulrich. 2,634,000, Apr. 7.
Hoisting apparatus. D. A. Wallace. 2,653,677, Sept. 29.
Hoisting apparatus, Vehicle. D. A. Wallace. 2,637,522, May 5.
Hoisting apparatus, Vehicle-mounted. L. L. Eakin. 2,639,825, May 26.
Hoisting attachment, Ladder. J. N. Williams. 2,628,071, Feb. 10.
Hoisting cradle. A. T. German. 2,642,198, June 16.
Hoisting device. R. R. Crookston and W. L. Chappell. 2,627,391, Feb. 3.
Hoisting hook with a pivoted closure. R. G. Taylor, Jr., A. B. McElroy, and R. C. Davis. 2,650,403, Sept. 1.
Hoisting mechanism. P. F. and E. N. Blackman, and J. W. Shipp. 2,633,999, Apr. 7.
Hoisting mechanism, Scaffold. R. Allenbaugh. 2,662,732–3, Dec. 15.
Hoisting or haulage gear. A. Hopkinson. 2,634,096, Apr. 7.
Hoisting tower, Portable. S. T. Buck. 2,653,685, Sept. 29.
Hold-down apparatus for industrial trucks. J. W. McNutt. 2,661,857, Dec. 8.
Holddown clamp. E. G. Clark. 2,637,226, May 5.
Hold down clamp. B. W. Olson. 2,628,397, Feb. 17.
Holddown clamp. K. Zwick. 2,650,523, Sept. 1.
Holddown device for screen frames. D. Crampton. 2,653,714, Sept. 29.
Hold-down for cattle chutes, Animal. B. F. Linton. 2,660,982, Dec. 1.
Hold-down for jig saws or the like. H. D. Herder. 2,663,331, Dec. 22.
Holddown shoe for lumber trimming and marking machines. C. A. Sherman. 2,649,875, Aug. 25.
Hold-down slip assembly for well packers. C. C. Brown and F. L. Scott, Jr. 2,652,894, Sept. 22.
Holdup attachment for safes and vault locks. G. G. Bateman. 2,655,807, Oct. 20.

Holder: *See*—
Abrasive ribbon holder.
Absorbent holder.
Adjustable indicator holder.
Adjustable saw carrier holder.
Adjustable tap holder.
Adjustable trail frame holder.
Anodic rod holder.
Apparel holder.
Article holder.
Automobile compartment map holder.
Automobile seat article holder.
Baby feeding bottle holder.
Bag holder.
Barber clipper holder.
Barber's clipper holder.
Bare wire thermocouple holder.
Bedclothes holder.
Bit holder.
Blade and tool holder.
Blade holder.
Blind drape and curtain rod holder.
Bobbin holder.
Bobby pin holder.
Box holder.
Brush holder.
Canopy holder.
Carbon paper holder.
Carton holder.
Changeable key tag holder.
Chick crate water holder.
Christmas tree holder.
Cigarette holder.
Clasp pin eyeglass holder.
Cleaning implement holder.
Clothespin holder.
Coil holder.
Coin holder.
Collar holder.
Combination drinking glass and dish holder.
Combination holder.
Commode top cover holder.
Condiment holder.
Container holder.
Cosmetic holder.
Cotton roll holder.
Culinary utensil holder.
Cup-and-saucer holder.
Cup holder.
Curl holder.
Curtain rod holder.
Cutter holder.
Damage-resistant key holder.
Dental floss holder.
Deodorizing toilet paper holder.
Display card holder.
Door holder.
Drinking glass holder.
Dry seal piston-type gas holder.
Electric fuse holder.
Electric lamp holder.
Electrode holder.
Expansible and contractible reel holder.
Extra hand letter holder.
File holder.
Film holder.
Filter holder.
Fire door holder.
Fish holder.
Fishhook and line holder.
Fishhook holder.
Fishing leader holder.
Fishing pole holder.
Fishing rod holder.
Fishing rod or pole holder.
Flag holder.
Fluid pressure operated rotary work or tool holder.
Fluorescent lamp holder.
Fly tier's bobbin holder.
Folding receptacle holder.
Four-in-hand tie knot holder.
Fuse holder.
Game chip holder.
Garbage can holder.
Garbage pail holder.
Garment hanger sleeve holder.
Garment shoulder strap holder.
Gas holder.
Golf ball holder.
Golf tee holder.
Grapple holder.
Guideline holder.
Gun-type flashlight holder.
Hair holder.
Hair ringlet holder.
Hermetic variable gap crystal holder.
Hook and leader holder.
Identification holder.
Invertible and adjustable picture holder.
Ironing board holder.
Key check and matchbook holder.
Key holder.
Key ring holder.
Knurling and burnishing tool holder.
Lamp shade holder.
Lathe quick-change boring bar holder.
Level holder.
License holder.
License plate holder.
License tag holder.
Lighted cigarette holder.
Line holder.
Lipstick holder.
Lipstick sample holder.
Live bait holder.
Magnetic hairpin holder.
Magnetic lid holder.
Magnetic nail holder.
Magnetic pot holder.
Map holder.
Marking machine die holder.
Mason's trig line holder.
Match book holder.
Meat knife holder.
Microscope slide holder.
Microtome specimen holder.
Miniature tube holder.
Mop holder.
Nail holder.
Name or directory card holder.
Necktie holder.
Needle holder.
Nursing bottle holder.
Nut and deformable holder.
Outlet box holder.
Paint bucket holder.
Paint can holder.
Paper container holder.
Paper form holder.
Paper roll holder.
Pen or pencil holder.
Photographic plate or film holder.
Picnic cloth holder.
Picture and mirror holder.
Picture frame holder.
Pirn or cone holder.
Plant and flower holder.
Playing card holder.
Plumb line holder.
Pot holder.
Pot lid holder.
Price tag holder.
Projection lamp holder.
Razor blade holder.
Record holder.
Record sheet holder.
Refuse receptacle holder.
Retarding thrust file holder.
Retractable lipstick holder.
Rewind core holder.
Rod holder.
Roll holder.
Rotary abrading strip holder.
Sack holder.
Safety cigarette holder.
Safety fishhook holder.
Sales book holder.
Salt block holder.
Score card holder.
Sewing needle holder.
Shoulder strap holder.
Shutter blind slat holder.
Sign character holder.
Skate holder.
Snap-in deformable clip holder.
Snelled fishhook holder.
Spare tire holder.
Spool holder.
Spring lock lamp holder.
Square assembly holder.
Steering wheel mounted holder.
Story pole holder.
Sub holder.
Suction hood holder.
Syringe holder.
Telephone handset holder.
Telephone indicia card holder.
Tennis ball holder.
Thread spool and needle holder.
Three-part clamp holder.
Tie holder.
Tire insert holder.
Tissue package holder.
Toilet paper holder.
Toilet paper roll holder.
Toilet tissue holder.
Toothbrush holder.
Trash can holder.
Twine holder.
Universal joint bearing cup holder.
Utensil holder.
Vehicle article holder.
Vine holder.
Welding electrode holder.
Window sash holder.
Wire holder.
Work holder.
Writing board lamp and paper holder.

Holder. C. R. Bradley. 2,645,354, July 14.
Holder. M. A. Racho. 2,661,748, Dec. 8.
Holder and carrier, Bottle. B. H. Locke. 2,647,786–7, Aug. 4.
Holder and dispenser, Food package. G. Simonian and R. H. Linkert. 2,628,876, Feb. 17.
Holder and dispenser for collapsible tubes. F. A. Major. 2,652,950, Sept. 22.
Holder and dispenser for tube contained materials, Combined. E. W. Swan. 2,627,999, Feb. 10.
Holder and knife blade having a tungsten carbide edge. R. A. Bowes. 2,634,499, Apr. 14.
Holder and looper, Drapery. H. McCabe. 2,637,384, May 5.
Holder and operator for hypodermic syringes. J. E. Krewson. 2,644,450, July 7.
Holder and receptacle such as cocktail glass and the like article, Combination. S. Forman, L. Ramer, and A. Mund. 2,664,004, Dec. 29.
Holder and support therefor, Safety razor blade. J. W. Allers. 2,631,415, Mar. 17.
Holder and vacuum-tight seal for envelopes, Combination. H. H. Schmalz. 2,657,846, Nov. 3.
Holder assembly for the propellent charges in rocket motors. N.-E. G. Küller and K.-J. T. Thorildsson. 2,661,595, Dec. 8.
Holder-dispenser for paper cups. H. Carew and W. M. Mack. 2,630,361, Mar. 3.
Holder for a telephone and telephone directory. J. E. Whitaker. 2,638,398, May 12.
Holder for and in combination with portable electric spotlights and cords. J. and E. Morgenstern. 2,658,136, Nov. 3.
Holder for articles of jewelry and the like. A. R. Cinami. 2,646,953, July 28.
Holder for articles, Sanitary. L. A. Casnati. 2,647,785, Aug. 4.
Holder for assembled sheets. H. Brechner. 2,647,765, Aug. 4.
Holder for attachment to cooking vessels, Cooking spoon. L. A. Simmons. 2,658,363, Nov. 10.
Holder for automobile ash trays, Cigarette and cigar. A. Smereck. 2,633,853, Apr. 7.
Holder for bed clothing. S. E. Hart. 2,657,441, Nov. 3.
Holder for cards or memorandum pads. P. Dorenbaum. 2,655,760, Oct. 20.
Holder for condiment jars. J. R. T. Bishop and D. E. Swanson. 2,654,485, Oct. 6.
Holder for conically shaped cups. A. Treff. 2,661,610, Dec. 8.
Holder for connecting devices. I. S. Gordon. 2,647,424, Aug. 4.
Holder for container of pulverant material with means to puncture said container and dispense said material. A. Hammerstein. 2,650,740, Sept. 1.
Holder for electrically-operated toothbrushes and the like. G. B. Ubel. 2,644,972, July 14.
Holder for fabric, namely diapers. E. V. Ehrhardt. 2,660,772, Dec 1.
Holder for fishing line leaders. H. R. Snyder. 2,658,300, Nov. 10.
Holder for flowers and other articles. P. F. K. Erbguth. 2,651,422, Sept. 8.
Holder for gripper shuttle looms, Jaw. N. P. Darash. 2,660,201, Nov. 24.
Holder for grocery carts, Bottle. J. Muniz. 2,633,278, Mar. 31.
Holder for gummed paper. A. W. Wray and M. S. Baldwin. 2,651,420, Sept. 8.
Holder for head protective equipment, Glass. E. B. Maillart. 2,631,285, Mar. 17.
Holder for infants' nursing bottles. R. J. Walsh. 2,637,515, May 5.
Holder for looms, Movable thread. R. G. Turner. 2,651,331, Sept. 8.
Holder for looms, Thread. R. G. Turner. 2,651,332, Sept. 8.
Holder for mailboxes, Mail. F. H. Rubesch. 2,650,756, Sept. 1.
Holder for nursing bottles. A. O. Wahlberg. 2,628,802, Feb. 17.
Holder for paper disposal bags. J. M. and M. M. Thayer. 2,650,784, Sept. 1.
Holder for paper plates and the like. D. J. Olson. 2,647,678, Aug. 4.
Holder for parallel groove clamps. T. E. Dunman. 2,632,218, Mar. 24.
Holder for parking meters, Sign. M. J. Ezzy and E. F. Bannon. 2,639,527, May 26.
Holder for pencils, Magnetic. A. A. Markowitz. 2,644,212, July 7.
Holder for pot covers or the like. E. E. Johnson. 2,662,717, Dec. 15.
Holder for replaceable paper rolls. W. E. Gough, Jr. 2,639,099, May 19.
Holder for roasting frankfurters, corn on cob, and the like. A. C. La Bore. 2,642,796, June 23.
Holder for rubber type. I. S. Gottscho. 2,643,609, June 30.
Holder for safety razors. F. I. Small. 2,635,843, Apr. 21.
Holder for screw-threading taps, reamers, and like tools. W. Holden. 2,636,361, Apr. 28.
Holder for securing caps to utensil covers. A. E. Sedell. 2,632,581, Mar. 24.
Holder for set screw wrenches and the like. G. J. Steine. Re. 23,659, May 19.
Holder for slippers and the like articles, Bed supported. S. Ebrenreich and S. Stettner. 2,643,397, June 30.
Holder for spools of wrapping cord. J. G. Inman. 2,656,130, Oct. 20.
Holder for steel wool. T. C. Di Giovanna. 2,629,890, Mar. 3.
Holder for steel wool. P. F. Schenot. 2,647,275, Aug. 4.
Holder for supply pans, Tiltable. C. F. Barothy. 2,648,465, Aug. 11.
Holder for telephone instruments, Pencil. R. Kimball. 2,641,809, June 16.
Holder for toilet paper and paper towels. A. F. Carlin. 2,643,069, June 23.
Holder for toilet paper in web form. L. L. Simpson and S. E. Weaklend. 2,626,761, Jan. 27.
Holder for tube dispensers having automatically operable closures. H. A. Hinrichs. 2,658,646, Nov. 10.
Holder for vacuum bottles, Insertable. P. J. Kircher. 2,630,233, Mar. 3.
Holder for weft replenishing looms, Thread. A. C. Krukonis. 2,630,840, Mar. 10.
Holder for weft threads, Pneumatic thread. J. T. Kennedy. 2,633,875, Apr. 7.
Holder for winders, Yarn cake. R. L. Carroll. 2,635,829, Apr. 21.
Holder or puller, Pipe. M. B. Phelps. 2,650,852, Sept. 1.
Holder plate for key cases. G. Boden and M. V. Duell. 2,630,700, Mar. 10.

Holder unit for alloy gauges and the like. H. M. Siptrott. 2,661,873, Dec. 8.
Holding device, Adjustable. W. H. Draper, Jr. 2,646,903, July 28.
Holding device for bubble caps. G. W. Plossl and F. E. Neef, Jr. 2,658,738, Nov. 10.
Holding device for fishhooks, etc., Adjustable. C. E. Kester. 2,642,767, June 23.
Holding device for fishing rods and fishing poles. J. L. Heistand. 2,645,440, July 14.
Holding device for fishing rods and the like. J. L. Heistand. 2,632,616, Mar. 24.
Holding folding tables from shifting when stacked, Means for. J. A. Mahr. 2,656,231, Oct. 20.
Holding means for door operating levers. S. B. Haseltine. 2,625,421, Jan. 13.
Holding means for projectile fins. E. C. M. d'A. Fonseca. 2,661,689, Dec. 8.
Holding means for wheeled vehicles. J. R. T. Clingan. 2,634,690, Apr. 14.
Holding relay. W. Von Stoeser. 2,658,123, Nov. 3.
Hole boring rig. M. Yost. 2,645,458, July 14.
Hole burring tool. F. Fennell. 2,649,001, Aug. 18.
Hole-cutting device. G. L. Higgins. 2,653,595, Sept. 29.
Hole detector for circular knitting machines of the rib type. M. Antonevich. 2,643,534, June 30.
Hole digger. J. W. Houston. 2,645,457, July 14.
Hole digging apparatus. P. C. Darin. 2,631,013, Mar. 10.
Hole gauge. J. H. Duilligan. 2,661,540, Dec. 8.
Hole gauge. W. J. Lewis and W. H. Utz. 2,642,672, June 23.
Hollow article. H. H. Fink and W. E. Fabing. 2,627,360, Feb. 3.
Hollow drill assembly. W. R. Spiller. 2,626,667, Jan. 27.
Hollow drive shaft construction for turbine driven compressors. M. R. Garnier and J. C. J. Poujade. 2,659,530, Nov. 17.
Hollow former for the manufacture of shoes. P. H. Gallan. 2,644,970, July 14.
Hollow monolithic concrete slabs, Making. G. A. Macready. 2,648,116, Aug. 11.
Hollow plastic articles, Making. C. Delacoste and Y. Cornic. 2,624,072, Jan. 6.
Hollow rivet. F. R. Eichner. 2,635,501, Apr. 21.
Hollow structure. A. Amirikian. 2,645,114, July 14.
Hollow valves, Production of. G. Jeudi. 2,636,255, Apr. 28.
Hollow ware construction. S. Shatkin. 2,646,954, July 28.
Holster for fountain pens and the like, Pocket. A. T. Lundberg. 2,654,130, Oct. 6.
Holster, Pliers. M. C. La Mantia. 2,664,231, Dec. 29.
Homing arrangement for selector switches. G. Deakin. 2,624,807, Jan. 6.
Homing system. K. W. Nightenhelser. 2,628,349, Feb. 10.
Hominy and making same, Quick-cooking. C. R. Carman and J. E. Allison. 2,653,103, Sept. 22.
Homogenizer. B. Feldman. 2,652,234, Sept. 15.
Homogenizing device for extruding machines. L. K. de Laubarede. 2,631,016, Mar. 10.
Homogenizing mill. J. H. Mallinson and C. J. Geyer, Jr. 2,652,202, Sept. 15.
Homopolar generator. J. V. Caputo. 2,636,140, Apr. 21.
Homopolymerization of vinyl chloride in aqueous medium. V. L. Folt. 2,625,539, Jan. 13.
Hone, Expandable. J. F. Smole and A. Collier. 2,663,124, Dec. 22.
Hone, Rotatable. H. R. Billeter. 2,637,954, May 12.
Honing. T. A. Olson. 2,626,486, Jan. 27.
Honing device, External. J. Sunnen. 2,649,663, Aug. 25.
Honing grooved elements. P. H. Wayne. 2,634,561, Apr. 14.
Honing machine. H. S. Indge. 2,659,185, Nov. 17.
Honing machine. J. Sunnen. 2,649,664, Aug. 25.
Honeycomb core, Stiffened. O. A. Hansen. 2,654,686, Oct. 6.
Honeycomb fabric. B. H. Foster. 2,635,648, Apr. 21.
Honeycomb filler and honey heating machine, Combined. M. I. Taylor. 2,629,885, Mar. 3.
Honey process. F. E. Hageman. 2,624,678, Jan. 6.
Hood, Baby carriage. J. O. Beynon. 2,634,162, Apr. 7.
Hood, Blowtorch. H. H. Sherman and M. A. Silverman. 2,660,231, Nov. 24.
Hood, Chemical fume. D. L. Snow and C. S. Staub. 2,649,727, Aug. 25.
Hood construction, Hair drying. L. R. Flaxman. 2,663,090, Dec. 22.
Hood for electric furnace. A. O. Williams and W. G. McBurney. 2,648,714, Aug. 11.
Hood for photographic cameras, Focusing. H. Bretthauer. 2,641,955, June 16.
Hood, Hair drier. W. H. Bucknell and E. Miessmer. 2,632,960, Mar. 31.
Hood, Heat reflecting. L. W. Atchison. 2,644,736, July 7.
Hood, Inflatable head-covering. W. M. Mitchell. 2,632,176, Mar. 24.
Hood latch. A. Claud-Mantle. 2,641,017, June 9.
Hood latch. A. Claud-Mantle. 2,654,116, Oct. 6.
Hood latch. C. F. Kramer. 2,646,299, July 21.
Hood ornament. A. Ferrera. 2,624,976, Jan. 13.
Hood, Protective. G. J. Pipher. 2,641,768, June 16.

Hook: *See*—
Bale handling hook.
Cellar window hook.
Crochet hook.
Drag hook.
Drapery hook.
Dual choke hook.
Fish and crab hook.
Hat supporting hook.
Lifting hook.
Quick-release overhead trolley conveyer hook.
Releasable bale hook.
Safety snap hook.
Self-disengaging life hook.
Sliding snap hook.
Trap hook.
Wall hook.

Hook and eye gaff. G. P. Wakefield. 2,630,344, Mar. 3.
Hook and leader holder. O. L. Guestinger. 2,659,997, Nov. 24.
Hook and lure, Weedless. H. P. Olson. 2,651,877, Sept. 15.
Hook assembly, Drilling. S. W. Long. 2,661,232, Dec. 1.
Hook closure for trouser flies. S. Gold. 2,631,293, Mar. 17.
Hook fastener. E. E. Cooper. 2,634,996, Apr. 14.
Hook fastener. E. C. Elsner. 2,653,368, Sept. 29.
Hook for attachment to transmission line poles or the like, Guy. K. C. Jenne. 2,643,428, June 30.
Hook forming tool for helical springs. J. L. Smith. 2,624,377, Jan. 6.
Hook guard. D. G. Anderson. 2,660,871, Dec. 1.
Hook lock. W. A. Cole. 2,652,276, Sept. 15.
Hook setter for fishing tackle. E. R. Ames, O. H. Thomas, W. H. O'Neal, and F. P. Sword. 2,640,290, June 2.
Hook-setting device. H. E. Maxfield. 2,658,299, Nov. 10.
Hop picking machine. E. C. Horst, Jr. 2,645,893, July 21.
Hop picking machine. G. E. Miller. 2,647,521, Aug. 4.
Hop stem separator. E. Thys. 2,647,626, Aug. 4.
Hopper and like containers. A. S. Beech. 2,642,979, June 23.
Hopper and power actuated discharge gate. H. V. Kindseth. 2,661,876, Dec. 8.
Hopper and trough, Charge delivering. W. R. Peterson. 2,634,706, Apr. 14.
Hopper cap feeder. M. S. Resina. 2,625,313, Jan. 13.
Hopper car door latch. G. B. Dorey. 2,624,293, Jan. 6.
Hopper car for storage and transportation of finely divided materials. E. R. Aller, J. M. Gleason, and L. Matolin. 2,650,726, Sept. 1.
Hopper closure for hopper type railway cars. G. B. Dorey. 2,640,439, June 2.
Hopper connecting means for distributing mechanisms. E. L. Faust. 2,654,509, Oct. 6.
Hopper discharge outlet for railway cars. G. B. Dorey. 2,646,007, July 21.
Hopper-feed apparatus for metal screw thread blanks and the like. V. H. Fray. 2,639,445, May 26.
Hopper for orienting transmitter caps, Rotary. C. C. McCain. 2,631,714, Mar. 17.
Hopper for storing and shipping finely divided materials. P. Talmey and J. M. Gleason. 2,641,202, June 9.
Hopper seat cover. J. W. Patton. 2,642,582, June 23.
Horizontal axis washer and squeezer extractor. M. W. Green. 2,645,916, July 21.
Horizontal boring, drilling, and milling machine. H. N. Stephan. 2,648,999, Aug. 18.
Horizontal boring, drilling, and milling machines, Manufacturing. H. N. Stephan. 2,636,327, Apr. 28.
Horizontal induction heating scanner machine. W. L. Corteggiano and T. P. Kinn. 2,644,074, June 30.
Horizontal plate filter. A. C. Kracklauer. 2,624,465, Jan. 6.
Horizontal plate lifting clamp. J. C. Renfroe. 2,654,629, Oct. 6.
Horizontal rotary drill. J. A. Hall. 2,625,375, Jan. 13.
Horizontal separator. C. O. Glasgow. 2,656,896, Oct. 27.
Horizontal separator. C. O. Glasgow. 2,657,760, Nov. 3.
Horizontally fired gas-oil burner. C. C. Young. 2,636,554, Apr. 28.
Horn button switch. W. K. Creson. 2,625,618, Jan. 13.
Horn, Electric. R. C. and P. Nielsen. 2,634,408, Apr. 7.
Horn gate mechanism. L. W. Williamson and H. Runsberg. 2,651,088, Sept. 8.
Horn or signal, Pneumatic. L. Abbondandolo. 2,643,633, June 30.
Horn radiator adapted to produce circularly polarized waves. H. J. Riblet and D. F. Sherman. 2,635,190, Apr. 14.
Horn, Radio. N. M. Rust and J. F. Ramsay. 2,650,985, Sept. 1.
Horn, Signal. D. G. Stafford. 2,645,198, July 14.
Hose and coupling therefor, Multiple passage flexible. J. A. Bede. 2,663,325, Dec. 22.
Hose and sprinkler head holder, Combined. J. G. Holmes. 2,657,096, Oct. 27.
Hose clamp. D. B. Kates. 2,651,095, Sept. 8.
Hose clamp. C. W. Keck. 2,629,908, Mar. 3.
Hose clamp. R. W. Seltzer. 2,627,635, Feb. 10.
Hose clamp fitting connection. G. T. Lyon. 2,661,225, Dec. 1.
Hose connector for plastic pipe. L. R. Nelson. 2,661,962, Dec. 8.
Hose coupling. I. A. Lake. 2,626,167, Jan. 20.
Hose coupling. D. L. Spender and G. G. Howard. 2,631,047, Mar. 10.
Hose coupling device for connection to unthreaded faucets. M. G. Kurth. 2,654,618, Oct. 6.
Hose covering stripping tool. C. A. Laffoon. 2,641,944, June 16.
Hose drain for floating roof tanks. F. D. Moyer. 2,643,023, June 23.

Hose extending and latching mechanism. W. M. Harks. 2,660,337, Nov. 24.
Hose, Flexible. G. A. Brace. 2,661,025, Dec. 1.
Hose for suction cleaners, Making flexible. F. A. Martin and K. R. Warburton. 2,641,302, June 9.
Hose insert, Kink preventing. F. W. Powers. 2,640,502, June 2.
Hose, Making flexible. J. E. Vance. 2,641,303, June 9.
Hose making machine. F. A. Martin and K. R. Warburton. 2,641,300, June 9.
Hose, Making reinforced suction cleaner. D. G. Smellie. 2,630,157, Mar. 3.
Hose, Making suction cleaner. D. C. Gerber and J. E. Vance. 2,641,301, June 9.
Hose mitten. H. S. Curtis. 2,643,388, June 30.
Hose nozzle. D. W. Wright. 2,629,633, Feb. 24.
Hose nozzle support. C. Dean. 2,652,218, Sept. 15.
Hose, Oil. E. Schulthess. 2,661,026, Dec. 1.
Hose reel. J. A. Jensen. 2,631,063, Mar. 10.
Hose reel. O. E. Nelson. 2,635,008, Apr. 14.
Hose reel frame. D. C. Hannay. 2,644,652, July 7.
Hose retraction asaembly. R. E. Risser, Jr. 2,650,776, Sept. 1.
Hose shutoff device, Portable. O. J. Gagne. 2,663,537, Dec. 22.
Hose support for dispensing pumps. H. H. Wolfe. 2,624,616, Jan. 6.
Hose supporter. N. Levenson. 2,647,265, Aug. 4.
Hosiery. J. Hamilton. 2,629,996, Mar. 3.
Hosiery. W. Mueller. 2,629,241, Feb. 24.
Hosiery. G. W. Wilson. 2,625,028, Jan. 13.
Hosiery and making the same, Article of. N. J. Allen. 2,655,020, Oct. 13.
Hosiery board. F. M. Southerland. 2,663,469, Dec. 22.
Hosiery drying form. W. H. Albertson and R. L. Mittelstadt. 2,661,877, Dec. 8.
Hosiery marking machine. G. C. Wendt and P. G. Wendt, Jr. 2,641,178, June 9.
Hosiery production. J. Hamilton. 2,629,995, Mar. 3.
Hot and cold water mixing valve. F. H. Parker. 2,644,483, July 7.
Hot bearing indication apparatus. P. S. Johnson and L. E. Spray. 2,628,344, Feb. 10.
Hot beverage preparation apparatus, Portable. T. Stiebel. 2,640,140, May 26.
Hot machining of metals. H. W. Gillett. 2,654,821, Oct. 6.
Hot-spraying method and apparatus. W. Kopperschmidt. 2,658,796, Nov. 10.
Hot stick. E. D. Currey. 2,633,160, Mar. 31.
Hot strip furnace reel. F. Frielinghaus. 2,646,231, July 21.
Hot top cover. B. F. Anthony. 2,663,920, Dec. 29.
Hot-water generator and storage system. L. F. and W. E. Whitney and D. F. Comstock. 2,660,163, Nov. 24.
Hot-water heating system. L. H. Gillick and T. J. Lehane. 2,629,554, Feb. 24.
Hot water tank. F. S. Hummel. 2,644,432, July 7.
Hot water tank flue baffle. C. H. Morrow. 2,660,198, Nov. 24.
Hotel guest mail and message box. S. I. Mirkin. 2,658,667, Nov. 10.
Hotel lock. L. Gutman. 2,638,770, May 19.
Hour meter. W. H. Farr. 2,662,365, Dec. 15.
House construction, Portable folding. N. E. Graven. 2,634,462, Apr. 14.
Housed capacitor assembly with interlocked grounding switch. W. H. Cuttino. 2,660,694, Nov. 24.
Housed spark-over gap. L. Pummer. 2,642,549, June 16.
Housing and feeding livestock, Means for. P. M. Mazur and R. Barnhart. 2,626,591, Jan. 27.
Housing and flexible flashlight support, Combined. M. S. Dunkelberger. 2,648,762, Aug. 11.
Housing closure. R. R. Bennighof. 2,661,118, Dec. 1.
Housing for electric switches and the like. C. A. Woodward. 2,627,359, Feb. 3.
Housing for electrical apparatus. E. Simon, F. W. Thomas, and E. H. Burkart. 2,642,920, June 23.
Housing for electrical apparatus, Making. E. Simon, F. W. Thomas, and E. H. Burkart. 2,639,252, May 19.
Housing for electrical circuit units. W. J. Clarke. 2,636,073, Apr. 21.
Housing for electrical components. A. M. Southwick. 2,636,929, Apr. 28.
Housing for electrical devices and the like. C. A. Woodward. 2,648,549, Aug. 11.
Housing for fan support. W. J. Morrill. 2,650,021, Aug. 25.
Housing for radio receivers. V. I. Zelov. 2,630,526, Mar. 3.
Hubcap with locking means. C. T. Skillman and M. Kistner. 2,659,229, Nov. 17.
Hub dynamo, Low-power. P. H. J. Brouwer. 2,658,157, Nov. 3.
Hub mounted control. J. E. Anderson. 2,653,668, Sept. 29.
Hull construction, Boat. H. C. Carey. 2,662,237, Dec. 15.
Huller and sheller, Nut. A. D. Goodwin. 2,663,340, Dec. 22.
Huller, Changeable sieve. E. H. Lupton. 2,633,852, Apr. 7.
Hulling and cleaning attachment for combines, Clover. O. Boyer. 2,633,851, Apr. 7.
Hulling and rolling machine, Combination. J. K. Roskamp. 2,633,072, Mar. 31.
Hulling machine having rubber hulling surfaces of different hardness. E. F. Hansen. 2,662,570, Dec. 15.
Hulling tung fruit and the like. H. L. Smith, Jr., and J. G. Miller. 2,629,418, Feb. 24.
Hulling, washing, and drying of grain, with simultaneous screening. A. C. Daman. 2,633,171, Mar. 31.
Humidifier. E. W. Denman. 2,628,084, Feb. 10.
Humidifier. P. A. Herr. 2,638,331, May 12.
Humidifier. A. E. Scharf. 2,654,362, Oct. 6.
Humidifier boiler. E. W. Bottum. 2,651,293, Sept. 8.
Humidifier, Carburetor air. C. Schaaf. 2,633,833, Apr. 7.
Humidifier, Electronic space unit. C. V. Runkle. 2,638,528, May 12.
Humidifier, Flush type. E. W. Bottum. 2,646,061, July 21.
Humidifier package with stitched-in suspension means and making same. J. G. Woppman. 2,649,923, Aug. 25.
Humidifier, Portable room. D. M. Dow. 2,639,905, May 26.
Humidifier radiator cap. C. Schaaf. 2,640,689, June 2.
Humidifying device for internal-combustion engines. J. T. Stone. 2,632,637, Mar. 24.
Humidifying system and apparatus. G. B. Holtzclaw. 2,630,972, Mar. 10.
Humidifying system and apparatus. G. B. Holtzclaw. 2,663,500, Dec. 22.
Humidifying system for dust and fume collection by electrical precipitation. H. E. Kaiser and W. C. Campbell. 2,659,449, Nov. 17.
Humidity indicator. L. M. Ilgenfritz. 2,663,190, Dec. 22.
Humidity regulating apparatus. C. J. Otterholm. 2,648,202, Aug. 11.
Humidity responsive device. W. E. Windsor and A. J. Koll. 2,651,941, Sept. 15.
Humidor cigar case. A. W. Stephenson. 2,639,958, May 26.
Hunt suppressor. B. D. Lee. 2,645,747, July 14.
Husking corn employing an air blast, Method and apparatus for. J. P. Murdoch. 2,628,621, Feb. 17.
Hut, Baby. F. R. McDonough. 2,649,102, Aug. 18.
Hyaluronic acid nitrates and the production thereof. Z. Hadidian and N. W. Pirie. 2,662,078, Dec. 8.
Hyaluronidase inhibitors and the production thereof. Z. Hadidian and N. W. Pirie. 2,662,076, Dec. 8.
Hybrid circuits. E. B. Skolnikoff. 2,657,280, Oct. 27.
Hybrid ring. W. D. Lewis. 2,639,325, May 19.
Hybrid wave guide mixer. C. J. Norton. 2,628,308, Feb. 10.
Hydantoin and glycine, Production of. H. C. White and D. V. Wysong. 2,663,713, Dec. 22.
Hydantoin derivative. R. Gaudry. 2,626,263, Jan. 20.
Hydrant. N. M. Anderson. 2,649,768, Aug. 25.
Hydrant. C. H. Simon. 2,633,143, Mar. 31.
Hydrant for aircraft refueling. H. C. Krone and W. Meyer. 2,629,395, Feb. 24.
Hydrant, Frostproof. G. E. Hansen. 2,635,621, Apr. 21.
Hydrant, Yard. N. M. Anderson. 2,649,111, Aug. 18.
Hydrated lime composition and process. H. N. Huntzicker. 2,663,647, Dec. 22.
Hydrating cracking catalyst, Process and apparatus for. A. F. Kaulakis. 2,631,123, Mar. 10.
Hydraulic actutaed valve. J. E. Cintron. 2,637,303, May 5.
Hydraulic apparatus. C. E. Adams. 2,647,455, Aug. 4.
Hydraulic apparatus. E. H. Born and L. E. Bonnette. 2,642,809, June 23.
Hydraulic actuator, Power-operated. E. R. Price. 2,654,224, Oct. 6.
Hydraulic adjustment for V-type ditching blades. R. C. Chattin. 2,662,311, Dec. 15.
Hydraulic apparatus. C. E. Adams. 2,661,766, Dec. 8.
Hydraulic apparatus, Dual pressure. A. R. Blood. 2,651,179, Sept. 8.
Hydraulic apparatus, including a drive motor and automatic control means for the motor. E. M. May. 2,625,912, Jan. 20.
Hydraulic booster operated well packer. T. M. Ragan. 2,624,412, Jan. 6.
Hydraulic check. G. H. Hufferd. 2,628,692, Feb. 17.
Hydraulic circuit-breaker mechanism. D. M. Umphrey. 2,662,134, Dec. 8.
Hydraulic classifier. G. A. Auer. 2,631,726, Mar. 17.
Hydraulic completion of wells. J. B. Clark. 2,642,142, June 16.
Hydraulic connecting member, Adjustable. J. A. Kanuch. 2,658,588, Nov. 10.
Hydraulic control. C. D. Branson. 2,628,489, Feb. 17.
Hydraulic control apparatus for internal-combustion engines and variable pitch propellers. J. S. Woodward. 2,638,993, May 19.
Hydraulic control device. S. H. Edge. 2,661,597, Dec. 8.
Hydraulic control device. W. Waterman and D. A. Stark. 2,644,429, July 7.
Hydraulic control device for high-pressure liquid-fuel-supply pumps of pressure-atomizing oil burners. J. A. Logan and G. D. Robinson. 2,662,542, Dec. 15.
Hydraulic control for depth of an implement drawn by a tractor. P. E. Tronquit. 2,649,687, Aug. 25.
Hydraulic control for oil burner fuel supply valves. R. M. Wick and G. R. Kern. 2,652,848, Sept. 22.

Hydraulic control means. C. E. Adams and E. H. Born. 2,649,106, Aug. 18.
Hydraulic control means for engine fuel systems. K. R. Davies and K. Herbstritt. 2,661,796, Dec. 8.
Hydraulic control system. E. Cook. 2,635,519, Apr. 21.
Hydraulic control system. T. C. Rusconi. 2,629,306, Feb. 24.
Hydraulic control system. E. H. Schanzlin and C. J. Oster. 2,657,533, Nov. 3.
Hydraulic control system for articulated locomotives and the like. M. G. Carlson. 2,659,203, Nov. 17.
Hydraulic control system for artificial limbs. R. S. and J. J. Fullerton. 2,629,876, Mar. 3.
Hydraulic control unit for road equipment. G. J. Whittey. 2,632,262, Mar. 24.
Hydraulic control valve. F. B. Hotton. 2,626,630, Jan. 27.
Hydraulic control valve. F. B. Hotton and L. A. Medlar. 2,626,631, Jan. 27.
Hydraulic copying device for lathes. O. von Zelewsky. 2,645,084, July 14.
Hydraulic damping mechanism, Reciprocating piston type. G. M. Magrum. 2,640,693, June 2.
Hydraulic drive. T. Klatte and O. Nübling. 2,634,582, Apr. 14.
Hydraulic drive for motor vehicles. J. T. Antle, Jr. 2,626,001, Jan. 20.
Hydraulic drive internal-combustion engine. C. B. Bright. 2,661,592, Dec. 8.
Hydraulic drive system. G. Banister and L. S. Burns. 2,658,342, Nov. 10.
Hydraulic driving means for winding and rolling machines. A. Spencer and J. Hewitt. 2,655,060, Oct. 13.
Hydraulic eductor valve. H. H. Poort and J. H. Shaver. 2,625,797, Jan. 20.
Hydraulic-electric control system for tups for drop forging. G. Hartemann. 2,652,691, Sept. 22.
Hydraulic-electrical apparatus for automatically regulating the position of direct arc electric furnace electrodes. C. W. Vokac, G. M. Rothenberger, and W. A. Morey. 2,653,269, Sept. 22.
Hydraulic engine. P. Bayer. 2,652,035, Sept. 15.
Hydraulic expansion device. E. G. Johnson. 2,649,691, Aug. 25.
Hydraulic expressor. N. J. Cavagnaro, Jr. and J. L. Cavagnaro. 2,641,122, June 9.
Hydraulic feed system. H. Ernst. 2,660,985, Dec. 1.
Hydraulic flow control device. R. J. Miller. 2,632,476, Mar. 24.
Hydraulic flow regulator. H. Holland. 2,646,070, July 21.
Hydraulic fluid. F. J. Watson. 2,636,861, Apr. 28.
Hydraulic fluid containing poly-(oxyethyleneoxy-1,2 propylene)ethers of glycerol. J. C. Van Horn, E. O. Ohlmann, J. D. Klinger, and J. H. Wright. 2,657,181, Oct. 27.
Hydraulic fluid mechanism. J. W. Overbeke. 2,646,754, July 28.
Hydraulic fluid motor-in-wheel. F. E. Hawkins, R. Lapsley, and G. L. Turner. 2,645,298, July 14.
Hydraulic fluid of polyhydric alcohol and trialkyl phosphate. M. F. George, Jr., and P. M. Reedy, Jr. 2,659,699, Nov. 17.
Hydraulic fluid seal. E. H. Schultz. 2,658,809, Nov. 10.
Hydraulic gain control. C. A. Strayer and J. R. Clifton. 2,655,904, Oct. 20.
Hydraulic gin breast lift. W. L. Ford. 2,655,695, Oct. 20.
Hydraulic impact tool. W. H. Cline, Jr. 2,662,505, Dec. 15.
Hydraulic impact tool. C. F. Warren. 2,624,177, Jan. 6.
Hydraulic intensifier. W. R. Groves. 2,631,542, Mar. 17.
Hydraulic jack. M. Geesink. 2,632,426, Mar. 24.
Hydraulic jack. D. Johnston. 2,627,722, Feb. 10.
Hydraulic jack. J. Loef. 2,624,174, Jan. 6.
Hydraulic jack. J. J. Mueller. 2,629,583, Feb. 24.
Hydraulic jack. W. S. Pine. 2,654,568, Oct. 6.
Hydraulic jack. W. S. Pine. 2,664,073, Dec. 29.
Hydraulic jaw, Compensating. H. C. Kurtz. 2,660,440, Nov. 24.
Hydraulic jet marine propulsion system. B. B. Johnson. 2,636,467, Apr. 28.
Hydraulic lift mechanism. J. O. Stephenson and J. H. Hillis. 2,629,582, Feb. 24.
Hydraulic link in brake mechanism. L. W. McAlpine. 2,626,021, Jan. 20.
Hydraulic log barking apparatus. M. L. Edwards. 2,630,848, Mar. 10.
Hydraulic machine. F. J. Kent and R. M. Reichl. 2,660,955, Dec. 1.
Hydraulic-mechanical transmission. A. G. Schneider. 2,641,144, June 9.
Hydraulic mechanism. J. F. Joy. 2,646,755, July 28.
Hydraulic mechanism. W. H. Marsh. 2,632,400, Mar. 24.
Hydraulic mechanism for imparting a rotary motion to a member. J. Frisone. 2,626,504, Jan. 27.
Hydraulic molding press. J. Haller. 2,640,325, June 2.
Hydraulic operator for winches. S. Cochrane and A. R. Carpenter. 2,627,725, Feb. 10.
Hydraulic motor. C. P. Geen. 2,663,541, Dec. 22.
Hydraulic piston positioning system. S. A. Jacques. 2,649,841, Aug. 25.
Hydraulic pitch control device for propellers. S. A. Fielding. 2,661,807, Dec. 8.
Hydraulic power actuator. T. Sherwen. 2,661,721, Dec. 8.
Hydraulic power aligning mechanism. R. A. Polson. 2,629,226, Feb. 24.
Hydraulic power control unit. B. N. Ashton. 2,659,205, Nov. 17.
Hydraulic power device. W. Schubert. 2,653,581, Sept. 29.
Hydraulic power installation. G. F. Jones. 2,637,971, May 12.
Hydraulic power system. H. G. Conway, G. Orloff, and R. Fairclough. 2,659,204, Nov. 17.
Hydraulic power system. W. R. Eames, Jr. 2,658,341, Nov. 10.
Hydraulic power transmission apparatus. G. A. Arvidson. 2,627,324, Feb. 3.
Hydraulic power unit. J. A. Lauck. 2,627,232, Feb. 3.
Hydraulic power unit. J. L. Scruggs. 2,657,674, Nov. 3.
Hydraulic power unit and internal-combustion engine with clutch drive therebetween operated from the oil circuit of such engines. E. O. Dale. 2,661,696, Dec. 8.
Hydraulic power unit for operating of press elements. P. L. Paulsen. 2,644,306, July 7.
Hydraulic press. V. Berthelsen. 2,627,289, Feb. 3.
Hydraulic press. L. Zimmerman. 2,642,023, June 16.
Hydraulic press control system having hydraulically operated main valve. G. F. Rohrschelb and H. L. Reynolds. 2,644,303, July 7.
Hydraulic pressure booster. C. E. Adams. 2,652,780, Sept. 22.
Hydraulic pressure power actuator, Irreversible. L. E. Baldwin and C. W. Franklin. 2,633,102, Mar. 31.
Hydraulic pump. O. E. Dempsey. 2,631,541, Mar. 17.
Hydraulic pump. L. S. Greenland, and T. Edwards. 2,657,634, Nov. 3.
Hydraulic pump. E. J. Hirvonen. 2,624,283, Jan. 6.
Hydraulic pump. K. H. Hoen and J. M. Archer. 2,649,737, Aug. 25.
Hydraulic pump. L. F. Mott. 2,653,543, Sept. 29.
Hydraulic pump. B. F. Schmidt. 2,657,636, Nov. 3.
Hydraulic pump, R. Westbury, P. E. Bray, and E. W. Packenham. 2,643,613, June 30.
Hydraulic pumping Method of and apparatus for. C. J. Coberly. 2,637,276, May 5.
Hydraulic reel. F. M. Littell and R. A. Skriba. 2,636,693, Apr. 28.
Hydraulic relay control. S. A. Jacques. 2,635,584, Apr. 21.
Hydraulic remote control system, including transmitter and receiver stations and means for automatically resynchronizing the receiver. R. L. Levy. 2,657,535, Nov. 3.
Hydraulic rotary rock bit. K. H. Swart. 2,661,931, Dec. 8.
Hydraulic safety device for screw elevators. J. A. Brubaker. 2,627,321, Feb. 3.
Hydraulic shock absorber. H. L. Peek. 2,629,462, Feb. 24.
Hydraulic shutoff valve. H. W. Wishart. 2,642,079, June 16.
Hydraulic speed-sensitive control system for prime movers. D. O. Davies. 2,651,261, Sept. 8.
Hydraulic spring control means. G. W. Crabtree. 2,649,938, Aug. 25.
Hydraulic spring hanger. E. R. Hinckle. 2,663,534–5, Dec. 22.
Hydraulic steering system. S. F. Brader. 2,624,533, Jan. 6.
Hydraulic step drilling unit. P. W. Romine and A. Armstrong. 2,631,480, Mar. 17.
Hydraulic stick control. J. D. McKellar and R. E. Crandall. 2,638,289, May 12.
Hydraulic system air trap. J. D. Benefield. 2,653,564, Sept. 29.
Hydraulic system and multipurpose control valve. W. C. Dolch. 2,663,150, Dec. 22.
Hydraulic system for driving the rotation of sundry members in machines for the working of skins and hides. E. Gianoglio. 2,638,769, May 19.
Hydraulic system for operation of motors. W. C. Hodges and A. L. Robb. 2,635,430, Apr. 21.
Hydraulic system for riveting presses. G. S. Forichon. 2,656,745, Oct. 27.
Hydraulic system for the delivery of puverulent materials. A. Jullien. 2,631,899, Mar. 17.
Hydraulic system for transferring rotary motion to reciprocating motion. C. R. Jacobs. 2,628,564, Feb. 17.
Hydraulic system with an atmospheric pressure controlled accumulator. C. A. Balton. 2,632,999, Mar. 31.
Hydraulic thrust balancing device. A. A. Rubbra and L. Haworth. 2,659,240, Nov. 17.
Hydraulic tow bar. A. Sensenbaugh. 2,625,278, Jan. 13.
Hydraulic transmission. F. M. Perkins. 2,633,806, Apr. 7.
Hydraulic transmission. L. E. Somers. 2,652,911, Sept. 22.
Hydraulic transmission. D. E. Tripp. 2,629,332, Feb. 24.
Hydraulic transmission prime mover control, Rotary. R. E. Orton. 2,628,470, Feb. 17.
Hydraulic transmission, Rotary pump and motor. D. A. Elkins. 2,645,901, July 21.
Hydraulic transmission, Variable pitch. K. G. Altheide. 2,640,680, June 2.
Hydraulic transmission, Variable ratio rotary pump and motor. D. A. Elkins. 2,645,903, July 21.

Hydraulic turbine governing system. W. J. Rheingans and B. R. Nichols. 2,646,812, July 28.
Hydraulic valve. J. A. Herbst. 2,650,609, Sept. 1.
Hydraulic valve gauge. J. F. Suma. 2,642,673, June 23.
Hydraulic valve lifter. G. T. Randol. 2,634,714, Apr. 14.
Hydraulic vent valve. C. H. Runnels. 2,627,868, Feb. 10.
Hydraulic wedge. C. B. Evenson. 2,657,904, Nov. 3.
Hydraulic windshield wiper motor. R. E. Figore and E. A. Otto. 2,655,134, Oct. 13.
Hydraulically actuated press. J. Macewka. 2,642,138, June 16.
Hydraulically displacing well materials. W. A. Maxwell and J. A. Engstrand. 2,626,829, Jan. 27.
Hydraulically fracturing well formation. V. Voorhees. 2,645,291, July 14.
Hydraulically operable valve controlled well tool. R. O. Childers. 2,640,543, June 2.
Hydraulically operated device for controlling the position of implements carried by tractors. A. L. A. Morgen. 2,642,846, June 23.
Hydraulically operated machine tool. E. C. Oliver. 2,633,103, Mar. 31.
Hydraulically operated mechanism for raising dump truck bodies. H. C. Einstein. 2,650,859, Sept. 1.
Hydraulically operated paper cutter. J. Adrian. 2,649,154, Aug. 18.
Hydraulically operated reinforced collapsible valve. R. S. Johnson. 2,627,874, Feb. 10.
Hydraulically operated vulcanizing press. H. H. O. Griesbammer. 2,647,554, Aug. 4.
Hydrazide of organic sulfonic acid as blowing agent in plastics. F. Lober, M. Bögemann, and R. Wegler. 2,626,933, Jan. 27.
Hydroaerial landing and launching means, including modus operandi. O. Brown. 2,645,436, July 14.
Hydrocarbon compositions, Saturated. H. G. Schutze and H. E. Cier. 2,657,985, Nov. 3.
Hydrocarbon conjunct polymers, Production of. H. Pines. 2,632,777, Mar. 24.
Hydrocarbon conversion. M. O. Kilpatrick. 2,653,903, Sept. 29.
Hydrocarbon conversion process. C. V. Berger. 2,630,404, Mar. 3.
Hydrocarbon conversion process. J. A. Crowley, Jr. 2,635,988, Apr. 21.
Hydrocarbon conversion process and regeneration of fouled contact material utilizing flue gas and steam as the gas lift. A. H. Schutte. 2,661,321, Dec. 1.
Hydrocarbon conversion process utilizing the gas lift as the conversion zone. C. G. Kirkbride and J. C. Dart. 2,628,188, Feb. 10.
Hydrocarbon fractionation. L. L. Henning. 2,656,310, Oct. 20.
Hydrocarbon fuel oil of lowered pour point. J. S. Winterhalter. 2,664,388, Dec. 29.
Hydrocarbon fuel oils, Stabilized. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,632,696, Mar. 24.
Hydrocarbon oil composition. A. D. Kirshenbaum and J. M. Boyle. 2,637,696, May 5.
Hydrocarbon oil compositions. J. E. Fields. 2,644,794–5, July 7.
Hydrocarbon oil compositions containing telomeric polyalkyl oxoesters as anti-foaming agents. J. E. Fields and T. M. Patrick. 2,653,911, Sept. 29.
Hydrocarbon oil containing a mercaptobenzimidazole. T. C. Roddy, Jr. 2,642,396, June 16.
Hydrocarbon oil containing S-(sulfurized terpene hydrocarbon) dithiophosphoric acid triesters. E. O. Hook and L. C. Beegle. 2,657,900, Nov. 3.
Hydrocarbon process. R. M. Kennedy and A. Schneider. 2,639,261, May 19.
Hydrocarbon segregation utilizing urea and a nitrile. C. N. Kimberlin, Jr., and W. F. Arey, Jr. 2,656,342, Oct. 20.
Hydrocarbon separation. F. C. Neuhart and G. A. Gohlke. 2,652,439, Sept. 15.
Hydrocarbon separator apparatus and separator element. A. Lawson. 2,651,414, Sept. 8.
Hydrocarbon synthesis. R. A. Beck and E. E. Sensel. 2,640,845, June 2.
Hydrocarbon synthesis. P. C. Keith. 2,631,159, Mar. 10.
Hydrocarbon synthesis. M. T. Kendall. 2,646,442, July 21.
Hydrocarbon synthesis. E. T. Layng. 2,629,729, Feb. 24.
Hydrocarbon synthesis. I. Mayer and V. C. Johnson. 2,642,448, June 16.
Hydrocarbon synthesis. C. W. Montgomery and W. A. Horne. 2,638,477, May 12.
Hydrocarbon synthesis. W. G. Scharmann. 2,662,090, Dec. 8.
Hydrocarbon synthesis. R. F. Vandaveer. 2,626,274, Jan. 20.
Hydrocarbon synthesis gas from coal, Production of. M. A. Elliott, E. L. Clark, and H. H. Storch. 2,634,286, Apr. 7.
Hydrocarbon synthesis process. W. A. Horne and V. L. Crawford. 2,632,016, Mar. 17.
Hydrocarbon synthesis process and the production of synthesis gas. M. Benedict, A. C. Faatz, Jr., and H. N. Woebcke. 2,649,468, Aug. 18.
Hydrocarbon synthesis reaction. H. Z. Martin. 2, Dec. 15.
Hydrocarbon synthesis, Two-stage. C. E. Hen 2,651,653, Sept. 8.
Hydrocarbons, Preparing high molecular weight. Gresham. 2,632,014, Mar. 17.
Hydrodesulfurization process. V. L. Crawford. 2, July 21.
Hydrodesulfurization process. W. A. Horne. 2, Aug. 4.
Hydrodynamic coupling. E. R. Langdon. 2,653,5 29.
Hydrodynamic machine, Axial type. W. Ferris. 2, Dec. 8.
Hydrodynamic machine, Sliding vane type. W 2,641,195, June 9.
Hydrodynamic transmission. B. J. Piqué. 2, Feb. 17.
Hydrogel beads for drying, Preparation. H. 2,643,231, June 23.
Hydrogen-carbon monoxide mixture, Manufactur L. d'Ouville. 2,635,952, Apr. 21.
Hydrogen chloride gas hardening of metal oxide O. Reitlinger. 2,660,569, Nov. 24.
Hydrogen chloride oxidation. A. J. Johnson a Cherniavsky. 2,644,846, July 7.
Hydrogen cyanide, Producing. C. L. Nor 2,625,463, Jan. 13.
Hydrogen fluoride purification. W. A. Shire, Jr. 2 Dec. 1.
Hydrogen fluoride treating system. J. E. Frider A. Shire. 2,661,266, Dec. 1.
Hydrogen from hydrocarbons, Production of. S. inson. 2,647,041, July 28.
Hydrogen halide production. A. J. Johnson. 2 Dec. 29.
Hydrogen ion concentration adjustment. R. Re 2,638,419, May 12.
Hydrogen, Manufacture of. R. L. Hasche. 2 Apr. 21.
Hydrogen, Manufacture of. W. B. Johnson. 2 Oct. 20.
Hydrogen peroxide and making same, Stabilized Shanley and H. O. Kauffmann. 2,658,818, Nov
Hydrogen peroxide, Production of. K. W. Ma and N. E. Jaffa. 2,661,268, Dec. 1.
Hydrogen peroxide, Production of. J. W. 2,657,980, Nov. 3.
Hydrogen pressure control for hydrogen filled tubes. H. T. Swanson. 2,640,952, June 2.
Hydrogen process. H. C. Reed and C. H. 2,635,947, Apr. 21.
Hydrogen-rich gases, Production of. G. 2,647,042, July 28.
Hydrogen transfer process. H. Pines and V. N. 2,645,669, July 14.
Hydrogen treatment of heavy hydrocarbons. C. gomery and W. A. Horne. 2,662,846, Dec. 15.
Hydrogenated benz [CD] indoles. E. C. 2,663,714, Dec. 22.
Hydrogenated 1,1,3-trimethyl-3-phenyl indane Wiggins. 2,629,751, Feb. 24.
Hydrogenated phenolic resin esters. D. H. 2,638,458, May 12.
Hydrogenation derivatives of difurfuralacetone, ander and L. E. Schniepp. 2,657,220, Oct. 27
Hydrogenation of coal. E. F. Pevere, H. V. G. B. Arnold. 2,658,861, Nov. 10.
Hydrogenation of naphthas. E. J. Hoffmann Wadley. 2,638,438, May 12.
Hydrogenation of 1,1-diphenyl-2,2-dimethyl-propa F. Rogers and H. D. Brown. 2,641,618, June
Hydrogenolysis process for the production o quality gas oil and gasoline from a heavy hydrocarbon oil. W. C. Lanning. 2,627,49
Hydrolysis of alkenyl alkyl ethers in the vap H. J. Hagemeyer, Jr. and D. C. Anderson. Dec. 15.
Hydrolysis of 21-acyloxypregnenes. H. Minlo Tishler. 2,634,277, Apr. 7.
Hydrolysis resistant heat transfer composition Fano. 2,640,031, May 26.
Hydrolytic condensation product of dichlorodip fide in aqueous hydrogen chloride and co product resulting therefrom, Preparing. E. and F. Veatch. 2,662,086, Dec. 8.
Hydrolyzable siloxanes, Production of. S. Nit E. Pirson. 2,658,908, Nov. 10.
Hydrolyzable titanium sulfate solutions, Prepa R. W. McKinney. 2,631,924, Mar. 17.
Hydrometer for electric storage batteries, Vent c Babis. 2,631,183, Mar. 10.
Hydrometer syringe for fuel oils, Twin float. and O. N. Johnsrud. 2,634,606, Apr. 14.
Hydroperoxides of dehydroabietic acid derivativ Ritchie. 2,656,343, Oct. 20.
Hydroperoxy-substituted rosin materials and the tion. F. L. McKennon and R. V. Lawrence. Sept. 29.
Hydrophilic colloid, Preparing a. G. Christia P. E. Ramstad. 2,662,882, Dec. 15.

Hydrophone casing. R. I. Mason, J. F. Ripken, and H. F. Bernier, Jr. 2,641,751, June 9.
Hydrophone, Tubular. A. L. Thuras. 2,631,271, Mar. 10.
Hydrospeedometer. L. J. Andres. 2,636,385, Apr. 28.
Hydrostatic apparatus. P. Brierley. 2,655,943, Oct. 20.
Hydrostatic level. C. E. Schmidt. 2,641,061; June 9.
Hydrostatic test unit. R. H. Guichard. 2,658,386, Nov. 10.
Hydroxy acetal compounds and their preparation. D. I. Weisblat and B. J. Magerlein. 2,631,163, Mar. 10.
Hydroxy aliphatic derivatives of symmetrical di-aromatic thioureas. P. M. Downey. 2,624,762, Jan. 6.
Hydroxyalkyl-substituted tocopherols. L. Weisler. 2,640,058, May 26.
Hydroxyalkylthio anthraquinones, Preparing. V. S. Salvin and E. F. Landau. 2,640,059, May 26.
Hydroxy and methoxy cyclohexylbenzoylpropionic acids. R. R. Burtner. 2,663,728, Dec. 22.
Hydroxy-aromatic alkylene di-imino di-acetic acids and salts. F. C. Bersworth. 2,624,760, Jan. 6.
Hydroxy-benzimidazoles and their preparation. V. Tufegin. 2,663,712, Dec. 22.
Hydroxy benzyl alcohol, Preparing substituted. M. E. Chiddix and M. R. Williams. 2,631,169, Mar. 10.
Hydroxy carbamates and producing same. J. D. Malkemus. 2,627,524, Feb. 3.
Hydroxy-carboxylic acids, Preparation of. H. Schmidt. 2,650,936, Sept. 1.
Hydroxy ether sulfates having high surface-activity. M. Kosmin. 2,647,913, Aug. 4.
Hydroxyindazoles, Manufacture of. D. A. W. Adams, R. R. Davies, and R. H. Wilson. 2,645,642, July 14.
Hydroxy substituted aliphatic ether derivatives of nitrogen heterocyclics. P. M. Downey. 2,642,430, June 16.
Hydroxylamine, Preparation of. R. E. Benson. 2,628,889, Feb. 17.
Hydroxylated aluminum halide polymerization catalyst. J. D. Calfee and C. A. Kraus. 2,644,798, July 7.
Hygienic packing for dressings and the like. J. Werman. 2,649,199, Aug. 18.
Hygrometer, Dew point. D. T. Van Alen. 2,624,195, Jan. 6.
Hyperfrequency vacuum tube. E. Touraton and C. Dumousseau. 2,640,172, May 26.
Hypersensitizing photographic film developer. B. J. Schultz. 2,660,528, Nov. 24.
Hypochlorite sweetening process. N. F. Linn, A. K. Scott, and W. H. Rupp. 2,631,121, Mar. 10.
Hypodermic and other syringes or drenchers. A. C. McKay. 2,643,655, June 30.
Hypodermic injection assembly. F. E. Brown and F. M. Turnbull. 2,648,334, Aug. 11.
Hypodermic injection device. J. A. Saffir. 2,628,615, Feb. 17.
Hypodermic needle cleaning apparatus. W. J. Holderith. 2,626,624, Jan. 27.
Hypodermic syringe. G. M. Hickey. 2,656,836, Oct. 27.
Hypodermic syringe ampoule and assembly, Single dosage disposable. M. L. Lockhart. 2,625,157, Jan. 13.
Hypohalogenated elastomeric derivative. M. E. Gross. 2,633,478, Mar. 31.
Hypoid differential gear. V. E. Gleasman. 2,628,508, Feb. 17.
Hypotensive agent from veratrum viride, Preparation of a. W. L. Glen, G. S. Myers, and G. Papineau-Couture. 2,649,442, Aug. 18.
Hysteretic overrunning clutch. H. M. Stephenson. 2,624,435, Jan. 6.
Ice bodies and apparatus for producing the same, Producing. B. K. Roberts. 2,629,986, Mar. 3.
Icebreaker mill with roll and adjustable breaker plate. R. T. Clawson. 2,643,065, June 23.
Ice chest for storing foods and the like, Portable. R. C. Laramy. 2,663,157, Dec. 22.
Ice-cream bar bagging machine. K. A. Bevington. 2,656,961, Oct. 27.
Ice-cream blocks, Production of. R. Turner. 2,643,526, June 30.
Ice-cream carton lifting, scraping, and cutting tool. S. Smith. 2,630,591, Mar. 10.
Ice cream containing modified gelose compound. V. C. E. Le Gloahec. 2,624,677, Jan. 6.
Ice cream filler, Automatic. P. Gilberty. 2,663,482, Dec. 22.
Ice-cream freezer and method of making ice cream, Continuous. W. L. Murphy. 2,651,186, Sept. 8.
Ice cube machine. M. J. Vlasic. 2,646,666, July 28.
Ice cube pitcher gate. H. C. Tyson. 2,649,967, Aug. 25.
Ice detecting system. R. L. Engelhardt. 2,632,308, Mar. 24.
Ice fishing device. A. Sokolowski. 2,627,689, Feb. 10.
Ice fishing jack. J. A. Monahan. 2,653,405, Sept. 29.
Ice fishing rig. L. R. Burg. 2,624,972, Jan. 13.
Ice guard. L. A. O'Brien. 2,655,106, Oct. 13.
Ice-machine, Tubular. G. Trépaud. 2,663,162, Dec. 22.
Ice maker. J. L. Fletcher and S. C. Osborne. 2,648,956, Aug. 18.
Ice maker. M. G. Leeson. 2,633,004, Mar. 31.
Ice-making. R. F. Lauer and C. V. Shurtleff. 2,633,005, Mar. 31.
Ice-making apparatus and method. M. G. Lessen. 2,645,910, July 21.
Icemaking apparatus, Continuous. A. G. Janos. 2,645,098, July 14.
Ice-making machine. J. R. Bayston. 2,656,686, Oct. 27.
Ice-making machine. J. D. Williams, Jr. 2,653,453, Sept. 29.
Icemaking machine, Automatic. C. E. Ploeger. 2,645,095, July 14.
Ice-making machine, Clear. T. Kattis. 2,650,479, Sept. 1.
Ice pick sheath. J. R. Rose. 2,626,092, Jan. 20.
Ice plant, Marine. J. A. Bonnington and H. O. Warlick, Jr. 2,630,091, Mar. 3.
Ice removal device. R. M. Stevens. 2,631,731, Mar. 17.
Ice rink resurfacing machine. F. J. Zamboni. 2,642,679, June 23.
Ice shaving machine. H. G. Beyer. 2,655,318, Oct. 13.
Ice shaving machine. B. F. Quintilian. 2,646,223, July 21.
Ice stacker. L. A. Tripp. 2,649,974, Aug. 25.
Ice sway control. A. Leslie. 2,648,402, Aug. 11.
Ice tray, Home refrigeration unit. M. H. Foster. 2,633,715, Apr. 7.
Icing condition indicating means. W. E. Howell. 2,641,928, June 16.
Icing machine. H. O. McLain. 2,643,522, June 30.
Icing machine, Master car. H. O. McLain. 2,628,477, Feb. 17.
Icing system, Car. C. K. Faye and I. C. Baldwin. 2,631,436, Mar. 17.
Identification clip. S. Zuckerman. 2,624,088, Jan. 6.
Identification code on sound records. L. L. Billar. 2,660,621, Nov. 24.
Identification device. P. P. Richmond. 2,641,074, June 9.
Identification holder. E. A. Lacoursiere. 2,640,287, June 2.
Identification tag. W. A. Sutherland. 2,653,401, Sept. 29.
Identification tag for cleansing or storage establishments. I. K. Sternberg. 2,645,867, July 21.
Identification tag, Tamperproof. W. A. Sutherland. 2,653,400, Sept. 29.
Idler arm. M. H. Alldredge. 2,660,907, Dec. 1.
Idler arm. O. S. French. 2,660,906, Dec. 1.
Idler arm. O. S. French and D. P. Marquis. 2,660,908, Dec. 1.
Idler arm. D. P. Marquis. 2,660,905, Dec. 1.
Idler bearing seal. W. F. Bankauf, W. E. Herrmann, and H. M. Ross. 2,641,515, June 9.
Idler for conveyers and the like, Self-aligning. S. J. Spurgeon. 2,655,252, Oct. 13.
Idler mechanism for conveyer belts. C. G. McLachlan. 2,647,618, Aug. 4.
Idler, Reversible training. W. F. Bankauf. 2,655,251, Oct. 13.
Idler roller assembly for belt conveyers. W. W. Sloane. 2,653,700, Sept. 29.
Idling control for two-cycle engines. W. C. Conover. 2,656,827, Oct. 27.
Igniter. J. P. Catlin. 2,627,810, Feb. 10.
Igniter and making same. C. C. Crockett. 2,650,488, Sept. 1.
Igniter, Automatic. S. V. E. Taylor. 2,632,322, Mar. 24.
Igniter for internal-combustion engines. E. J. Oakes and R. K. Rothrock. 2,635,423, Apr. 21.
Igniter for liquid fuel combustion chambers. S. Allen and M. A. Stokes. 2,625,011, Jan. 13.
Igniter, Gas fueled. R. H. Forney. 2,634,807, Apr. 14.
Igniter, Oil burner electric. A. L. Judson. 2,659,428, Nov. 17.
Igniting composition and preparing same. S. J. Magram and J. J. Blissel. 2,640,770, June 2.
Igniting device, Cigarette. M. V. V. Dussich. 2,653,613, Sept. 29.
Igniting device for oxygen cutting lances. J. Pennecot. 2,634,196, Apr. 7.
Ignition and control mechanism for gas burners, Automatic. C. M. Mayer and S. T. Craig. 2,649,152, Aug. 18.
Ignition and control mechanism for oven burners, Automatic. C. M. Mayer. 2,637,385, May 5.
Ignition and control mechanism for oven burners, Automatic. C. M. Mayer and J. M. Hoff. 2,637,387, May 5.
Ignition and control mechanism for oven burners, Automatic. R. L. Perl and J. M. Hoff. 2,637,386, May 5.
Ignition and control mechanism for oven burners, Automatic. R. L. Perl and J. M. Hoff. 2,637,390–1, May 5.
Ignition and starter system, Push button automobile engine. T. H. Heath. 2,650,989, Sept. 1.
Ignition apparatus. W. G. Roloson and W. J. Spengler. 2,648,791, Aug. 11.
Ignition apparatus. B. H. Short and A. G. Lautzenhiser. 2,650,581, Sept. 1.
Ignition apparatus and making same. H. A. Brinson and T. G. Brady. 2,651,298, Sept. 8.
Ignition apparatus for internal-combustion engines, Electric spark. J. A. Laird. 2,638,565, May 12.
Ignition apparatus for turbojet afterburners. R. A. Neal. 2,640,316, June 2.
Ignition breaker. H. L. Fuston. 2,629,788, Feb. 24.
Ignition control device, Semiautomatic. O. Gaglio. 2,644,438, July 7.
Ignition device, Automobile. H. O. Striker. 2,635,202, Apr. 14.
Ignition distributor and coil unit. M. G. Bales. 2,662,105, Dec. 8.

Ignition for rockets and the like. J. G. Tschinkel. 2,637,161, May 5.
Ignition means. J. V. McNulty. 2,632,133, Mar. 17.
Ignition means for gun type oil burners. H. F. Tapp and R. M. Cochrane. 2,631,657, Mar. 17.
Ignition strip for cigarettes. F. Witt. 2,644,461, July 7.
Ignition system. M. G. Bales. 2,658,155, Nov. 3.
Ignition system. J. F. Putnam. 2,643,284, June 23.
Ignition system. B. H. Short. 2,662,202, Dec. 8.
Ignition system and generator therefor. S. E. Miller. 2,643,274, June 23.
Ignition system and means for initiating combustion of fuel in a fuel burner. H. B., Sr. and H. B. Holthouse, Jr. 2,645,278, July 14.
Ignition system for internal-combustion engines, Electric. J. R. Harkness. 2,649,488, Aug. 18.
Ignition system, Main burner. P. I. Hollman. 2,649,904, Aug. 25.
Ignition tester. M. Schuch. 2,648,816, Aug. 11.
Ignition timing control means for internal-combustion engines. M. Mallory. 2,659,353, Nov. 17.
Ignitor for ignitrons, Grid-controlled. M. Middleton, Jr. 2,650,319, Aug. 25.
Ignitron. D. E. Marshall. 2,651,737, Sept. 8.
Ileostomy pouch holder and skin-protector. H. J. Shull. 2,663,299, Dec. 22.
Illuminated decoration with reflector. J. Burnbaum. 2,646,497, July 21.
Illuminated electric iron. J. Moyer. 2,624,832, Jan. 6.
Illuminated electric razor frame. H. D. Bowman. 2,635,179, Apr. 14.
Illuminated fender guide. J. H. Cone. 2,636,109, Apr. 21.
Illuminated house number. F. L. Simpson. 2,648,152, Aug. 11.
Illuminated illusion device. E. Cerracchio. 2,663,960, Dec. 29.
Illuminated indicating apparatus. R. B. Colt. 2,637,296, May 5.
Illuminated indicating control. T. C. Appleman. 2,648,305, Aug. 11.
Illuminated key case. P. T. Crane. 2,625,645, Jan. 13.
Illuminated level. A. H. Hall. 2,652,481, Sept. 15.
Illuminated message case. J. F. Holtje. 2,629,043, Feb. 17.
Illuminated selector mechanism. E. G. Henry. 2,627,685, Feb. 10.
Illuminated sign. W. J. Anderson. 2,637,926, May 12.
Illuminated sign. W. Sopocko. 2,631,394, Mar. 17.
Illuminated vanity case. H. C. Weiss, Jr. 2,625,942, Jan. 20.
Illuminating device for graphic layont tables. J. F. Knapp. 2,643,326, June 23.
Illuminating device for telephone dials. L. Mancini. 2,636,108, Apr. 21.
Illuminating device, Indicator. S. Levy. 2,640,144, May 26.
Illuminating means for car door locks. B. R. Boyd. 2,628,304, Feb. 10.
Illuminating means for musical score supporting devices. A. E. Murray. 2,662,164, Dec. 8.
Illuminating means for spinning and twining machines. C. O. Meiners. 2,625,785, Jan. 20.
Illuminating means for tank type suction cleaners. N. C. Cuddeback. 2,628,303, Feb. 10.
Illuminating means for tank type suction cleaners. N. C. Cuddeback. 2,632,912, Mar. 31.
Illumination and signaling system for drive-in theaters. J. F. Byrd and J. D. Phyfe. 2,629,780, Feb. 24.
Illumination apparatus for warning and signaling purposes. T. E. McDowell and A. C. Heehler. 2,645,761, July 14.
Illumination apparatus for warning and signaling purposes and having headlight and warning light units adjustable in unison. T. E. McDowell and A. C. Heehler. 2,642,522, June 16.
Illumination fixture and louvers therefor. D. J. Biller. 2,647,985, Aug. 4.
Illumination placement in photography, Means for. C. Mallow. 2,632,952, Mar. 31.
Illumination system, Automatic. E. H. Heyer. 2,659,038, Nov. 10.
Illuminator and reflector, Combined. P. C. Duval. 2,652,480, Sept. 15.
Image intensification apparatus. F. E. Williams. 2,645,721, July 14.
Image registration in color television systems or the like. C. G. Seright. 2,654,854, Oct. 6.
Image-reproducing device. J. F. De Ano. 2,658,161, Nov. 3.
Image-reproducing device. J. J. O'Callaghan. 2,627,043, Jan. 27.
Image-reproducing device. R. S. Peterman. 2,658,160, Nov. 3.
Image-reproducing plate and cylinder assembly. J. A. Boyajean. 2,641,183, June 9.
Imidazopyridines. J. R. Vaughan, Jr. 2,637,731, May 5.
Imides as stabilizers for polysulfone resins. J. F. Howe and J. E. Wicklatz. 2,643,237, June 23.
Immersion type thermocouple temperature measuring device. A. H. Lewis. 2,660,061, Nov. 24.
Impact crusher rotor with rigid hammers. J. Crystal. 2,646,224, July 21.
Impact drill. R. E. Snyder. 2,634,951, Apr. 14.
Impact drill. R. E. Snyder. 2,635,852, Apr. 21.
Impact forging. R. L. Alcorn, Jr. 2,636,350, Ap
Impact operated switch. M. Bradner. 2,632,069,
Impact type clutch. P. R. Van Sittert. 2,637,426
Impact wrench. E. R. Whitledge. 2,636,583, Apr
Imparting lateral movement to an automobile, Met device for. M. L. Dull. 2,639,777, May 26.
Impedance, for example adjustable resistors, Ad J. Erkelens. 2,662,955, Dec. 15.
Impedance matching generator. E. Mittelmann 2, Dec. 1.
Impedance matching network. W. H. E 2,657,362, Oct. 27.
Impedance measuring bridge. F. J. Gaffney an Finke. 2,650,347, Aug. 25.
Impeller. W. H. Welsh. 2,625,884, Jan. 20.
Impeller assembly for dishwashers. L. A. and D. A 2,657,095, Oct. 27.
Impeller for centrifugal pumps, Balanced. T. W. 2,641,190, June 9.
Impeller structure, Centrifugal. L. G. Srogi. 2, Aug. 4.
Impeller wheel. R. L. and H. E. Meltzer. 2 Sept. 15.
Impeller with center intake. L. R. Seinfeld. 2 Nov. 10.
Impellers and the like, Manufacture of. R. I bell. 2,654,943, Oct. 13.
Impervious sheet with inflatable sides. W. O 2,644,173, July 7.
Implement and trailer hitch. C. L. Blair and R 2,654,613, Oct. 6.
Implement attaching device for tractors. V. P. 2,651,248, Sept. 8.
Implement attachment for loader frames. C. B 2,660,322, Nov. 24.
Implement attachment for tractors, Power A. L. A. Morgen. 2,650,528, Sept. 1.
Implement carrier frame. R. C. Johnson, Jr. 2 Nov. 24.
Implement, Earth-working. A. G. Evans. 2,624, 13.
Implement for carrying out digging operations. 2,654,626, Oct. 6.
Implement for decorating walls and other surface Hesson. 2,637,272, May 5.
Implement for making hooked fabrics, Hand. E. 2,635,567, Apr. 21.
Implement for paring vegetables, Adjustable. Ferrin. 2,645,851, July 21.
Implement for tractors, Rear mounted. A. 2,625,869, Jan. 20.
Implement for turning litter in poultry houses Milliken. 2,663,555, Dec. 22.
Implement for use in chemical apparatus. C. H. Jr. 2,639,074, May 19.
Implement for use in laying square tile. W. J. 2,642,674, June 23.
Implement frame for four-wheeled tractors, Rig Williams. 2,626,548, Jan. 27.
Implement hitch. G. E. Wheeler. 2,640,405,
Implement hitch for tractors. R. C. Frevik. Sept. 29.
Implement hitch for tractors. R. W. Wilson. Sept. 29.
Implement holding device. B. F. Gochenour. Dec. 8.
Implement lift. J. E. Stratman. 2,637,564, Ma
Implement power lift and position control. J. H A. V. Raught. 2,629,307, Feb. 24.
Implement-seeder combination. W. T. Graham. Nov. 3.
Implement temperature control, Glass workin Southworth. 2,658,687, Nov. 10.
Implement to facilitate dressing of grinding w E. Grow. 2,655,910, Oct. 20.
Implement to facilitate manifolding. W. S. Sc B. D. Hendrickson. 2,629,613, Feb. 24.
Implement tool bar clamp. C. H. Brown. June 2.
Implement-tractor combination, Row crop. A and M. Ronning. 2,641,887, June 16.
Implement with plurality of plow elements. H. and N. A. Nelson. 2,662,460, Dec. 15.
Impregnated fibrous wallboard and method o W. P. Ericks. 2,629,648, Feb. 24.
Impregnated laminated tubes, Preparation of Stahl. 2,637,674, May 5.
Impregnated paper and making same. L. 2,637,665, May 5.
Impregnated type tungsten and molybdenum Preparation of. W. F. Engel and H. Hoog. Sept. 1.
Impregnating a synthetic rubber to form a spo and the article produced thereby. H. A. To and W. R. Stauffer. 2,659,703, Nov. 17.
Impregnating an oxide coating on aluminum ing article. R. B. Mason and W. C. Cochran. Dec. 8.
Impregnating and laminating fibrous materials W. G. Van Beckum and A. K. Esterer. 2,66 29.
Impregnating cellulose fibers and composition T. C. Whitner. 2,646,372, July 21.

Impregnating cloth for repairing metal surfaces. C. H. Allen. 2,626,873, Jan. 27.
Impregnating leather with rubber compositions. R. Oehler. 2,647,844, Aug. 4.
Impregnating wood. G. E. Gard. 2,631,109, Mar. 10.
Impregnation of leather. R. Oehler and J. R. Kanagy. 2,647,840, Aug. 4.
Impression material. E. H. Lochridge. 2,657,971, Nov. 3.
Impression material. B. E. Taylor. 2,660,570, Nov. 24.
Imprinter, Container. J. Stewart. 2,635,532–3, Apr. 21.
Improved earthworking wheel. C. B. Merry. 2,634,666, Apr. 14.
Improved shortening and cake composition. W. C. Griffin. 2,662,015, Dec. 8.
Improved siliceous insulating material. G. W. Andersen and J. M. Diehl. 2,664,405, Dec. 29.
Improvement in balanced phase splitting network. A. D. Arsem, J. R. Ford, and N. I. Korman. 2,630,558, Mar. 3.
Improvement in blowheads. E. L. Lowe. 2,627,702, Feb. 10.
Improvement in hollow cone spray nozzle. C. H. Carr. 2,650,860, Sept. 1.
Improvement in or relating to slide rules. N. E. Nicolet. 2,656,978, Oct. 27.
Improvement in packaging. C. L. Weckesser. 2,634,857, Apr. 14.
Improvement in railway tracks. W. Tryliński, Sr., W. Tryliński, Jr., and B. Trylińska. 2,658,688, Nov. 10.
Improvement in the construction of outlet guide devices for centrifugal pumps or blowers. A. Buchl. 2,634,685, Apr. 14.
Improvement in wall hydrant of the nonfreezing type. W. B. Noland. 2,652,224, Sept. 15.
Improvements in aircraft of high aspect ratio. M. L. Hurel. 2,643,076, June 23.
Improvements in initially divided insoles. A. Perugia. 2,632,259, Mar. 24.
Improvements in wire-stapling machine. W. J. Cuthbert. 2,648,064, Aug. 11.
Improving alcohol quality. S. W. Wilson. 2,663,745, Dec. 22.
Improving alcohol quality. S. W. Wilson and E. T. Delanne. 2,663,426, Dec. 22.
Improving fastness properties of direct dyestuffs. H. M. Hemmi and P. Trefzer. 2,640,354, Aug. 18.
Improving frequency response of sound systems, Means for. E. T. Flewelling. 2,627,931, Feb. 10.
Improving gas distribution in bubble-cap tower operating on fluidized solids, Method of and apparatus for. R. J. Fritz. 2,639,973, May 26.
Improving the adhesion of organopolysiloxanes to solid surfaces. R. Smith-Johannsen. 2,643,964, June 30.
Improving the bonding properties of polyethylene plastics. W. H. Kreidl. 2,632,921, Mar. 31.
Improving the brightness of textile materials and product. H. B. Appleton and P. F. Kiehl. 2,661,305, Dec. 1.
Improving the cold-water solubility of a fibrous cellulose ether. A. W. Anderson and B. V. Moeller. 2,647,064, July 28.
Improving the color of fermented malt beverages and products obtained thereby. J. S. Wallerstein, M. Hale, R. T. Alba, and H. B. Levy. 2,624,675, Jan. 6.
Improving the drying qualities of hydrocarbon co-polymer drying oils. A. E. Hoffman. 2,645,649, July 14.
Improving the flame resistance of metal and product. W. F. Locke. 2,656,295, Oct. 20.
Improving the flex resistance of butadiene-1,3 type polymers. R. L. Sibley. 2,647,879, Aug. 4.
Improving the octane number of light naphthas. E. S. Corner and F. B. Fischl. 2,651,597, Sept. 8.
Improving the performance of magnetic sound recording and reproducing heads, Means for. L. C. Holmes. 2,658,113, Nov. 3.
Improving the resistance of wool to felting and shrinking. A. Landolt. 2,632,717, Mar. 24.
Improving the resistance to shrinking and felting of fabrics. K. E. Folkers. 2,661,313, Dec. 1.
Improving the water-resistance of ammonium nitrate explosives. W. C. Lytle. 2,630,379, Mar. 3.
Improving the whiteness or color of materials and products resulting therefrom. J. D. Kendall and G. F. Duffin. 2,639,990, May 26.
Impulse circuit. R. Widerõe. 2,654,838, Oct. 6.
Impulse counting tube. J. T. Wallmark. 2,638,541, May 12.
Impulse generator. A. A. Varela. 2,627,030, Jan. 27.
Impulse liquid agitator. D. M. Paxton. 2,638,381, May 12.
Impulse-responsive stepping device actuated by magnetic torque. H. P. Roswau. 2,640,895, June 2.
In-line steam trap. J. W. Kaye. 2,638,913, May 19.
In-place expanded cellular resinous bodies and producing them from phenol-aldehyde resins with the aid of a peroxide. R. F. Sterling. 2,653,139, Sept. 22.
Inactivation of enzymes by barium peroxide. J. W. Pfannmuller and A. F. Noë. 2,647,854, Aug. 4.
Incandescent cathodes, Making. G. A. Espersen. 2,663,069, Dec. 22.
Incandescent filament support and method. L. W. Curtis. 2,632,126, Mar. 17.
Incandescent mantle mounting. C. Bramming. 2,653,464, Sept. 29.
Incineration system. S. Robinson. 2,648,348, Aug. 11.
Incinerator. C. C. Reynolds. 2,642,826, June 23.
Incinerator, Chimney wall mounted. G. H. Willett, Jr. and W. R. Vroman. 2,652,010, Sept. 15.
Incinerator, Electrically operated. W. F. Comstock. 2,653,213, Sept. 22.
Incinerator with raking arm. I. A. Lyons. 2,660,966, Dec. 1.
Incinerator with secondary combustion chamber for volatiles. J. G. Greemen. 2,646,738, July 28.
Inclinable press. A. W. Schultz. 2,629,318, Feb. 24.
Inclination indicator. A. R. MacLagan. 2,624,952, Jan. 13.
Inclined rotary vacuum filter. R. J. Johansen. 2,663,432, Dec. 22.
Inclinometer. T. L. Mahone. 2,645,030, July 14.
Inclinometer, Well-surveying. P. M. Green. 2,635,349, Apr. 21.
Incorporating polychloroprene in paper. R. H. Walsh and W. W. Pockman. 2,657,991, Nov. 3.
Increasing bending fatigue strength of rotary steel drill pipes, Method and means for. J. J. Dunn and W. O. Clinedinst. 2,641,488, June 9.
Increasing contrast of transparencies, Method and apparatus for. S. R. Carter. 2,641,963, June 16.
Increasing permeability of sands in oil, gas, and injection wells by forming solids in the strata. D. C. Bond. 2,661,066, Dec 1.
Increasing productivity of siliceous geological formations. D. C. Bond. 2,664,165, Dec. 29.
Increasing speed of well logging, Method and apparatus for. R. E. Fearon. 2,645,723, July 14.
Increasing stability of rubbery polymer reaction products and resulting compositions. J. M. Goppel, G. E. Rumscheidt, and J. T. Hackmann. 2,654,680, Oct. 6.
Increasing the brightness of a cathode tube display, Means for. R. N. Straehl. 2,646,555, July 21.
Increasing the solubility of riboflavin. L. A. Flexser and W. G. Farkas. 2,664,421, Dec. 29.
Increasing the telegraph signaling speed of submarine telegraph cables, Means for. H. F. Wilder. 2,637,784, May 5.
Increasing the thrust of jet engines by the use of rapidly decomposable nitrogen compounds. G. N. Cade. 2,636,342, Apr. 28.
Increasing vacuum tower production, Process and apparatus for. J. R. Guala. 2,658,863, Nov. 10.
Increasing viscosity of uncured alkyd copolymer resinous mixtures and product. C. F. Fisk. 2,628,209, Feb. 10.
Incremental sanding apparatus for trimming book blocks. P. de Florez and F. J. Cashin. 2,651,150, Sept. 8.
Incubator. G. S. Edwards. 2,654,345, Oct. 6.
Incubator equipment, Infant. S. Y. Gibbon. 2,648,327, Aug. 11.
Incubator, Fish bait. C. A. Brooks. 2,642,836, June 23.
Incubator, Infant. E. C. Dixon and W. E. Chilton. 2,624,333, Jan. 6.
Incubator, Infant. G. W. Higgs. 2,633,842, Apr. 7.
Incubator, Infant. R. Livsey. 2,638,087, May 12.
Incubator, Portable baby. G. Armstrong. 2,641,248, June 9.
Incubator, Small animal. F. Johnson. 2,627,841, Feb. 10.
Incubator with automatic temperature and humidity control. H. W. Dryden. 2,646,930, July 28.
Indentable jack-type connector. H. P. Dupre and I. F. Matthysse. 2,659,876, Nov. 17.
Indenting tool. W. O. Schultz and R. H. Amundson. 2,633,161, Mar. 31.
Independent release portion for air brake control valves. M. Pickert. 2,645,530, July 14.
Independent suspension. C. W. Jackman. 2,635,894, Apr. 21.
Independent suspension for motor vehicle road wheels. A. J. Hirst. 2,643,877, June 30.
Independent synchronization. H. R. Nilsson and S. I. Trulsson. 2,659,239, Nov. 17.
Index arm for measuring instruments, Adjustable. H. L. Bowditch. 2,658,469, Nov. 10.
Index card and removable index tab. F. L. Wassell. 2,652,059, Sept. 15.
Index clamp. C. O. Rothweiler. 2,659,149, Nov. 17.
Index device, Card. N. P. Mathiesen. 2,656,091, Oct. 20.
Index drive mechanism, Rotary card. H. C. Behrens. 2,648,586, Aug. 11.
Index file. H. E. Elsden. 2,641,260, June 9.
Index file, Visible card. J. F. Foley and F. C. Gleason. 2,644,457, July 7.
Index member and adjustable indicator tab therefor. G. B. Meltzer. 2,664,089, Dec. 29.
Index regulator set. H. Kocher. 2,637,970, May 12.
Index regulator set. H. Kocher. 2,663,990, Dec. 29.
Index tab device. P. Zalkind. 2,649,796, Aug. 25.
Index tab for guide cards. R. S. Daniel and M. S. Fulcher. 2,633,849, Apr. 7.
Index table. J. Verderber. 2,640,400, June 2.
Index unit, Visible. R. Janovsky and S. Hurtig. 2,638,903, May 19.
Indexed control. R. J. Aust and W. E. Peek. 2,632,830, Mar. 24.
Indexing chuck. F. Hunziker and L. B. Courtot. 2,643,132, June 23.
Indexing device. C. S. Lee. 2,631,481, Mar. 17.

Indexing device. H. N. Rocks. 2,651,895, Sept. 15.
Indexing device for adding machines, Multizero. W. A. Anderson. 2,647,690, Aug. 4.
Indexing device for bottle closing machines. L. T. Cookson. 2,660,354, Nov. 24.
Indexing device for machine tools. G. H. Benzon, Jr. 2,630,722, Mar. 10.
Indexing device, Tone arm. E. Schweitzer. 2,638,349, May 12.
Indexing laundry listing machine, Type wheel. W. J. Keuper. 2,648,279, Aug. 11.
Indexing machine. L. A. Hautau. 2,627,647, Feb. 10.
Indexing mechanism. D. E. Hooker. 2,627,945, Feb. 10.
Indexing mechanism. D. V. Waters. 2,660,895, Dec. 1.
Indexing mechanism for station type machines. J. H. Hoern. 2,633,777, Apr. 7.
Indexing mechanism for turrets of automatic machine tools. W. E. R. Pulman. 2,654,271, Oct. 6.
Indexing mechanism, Hydraulic. E. J. Hirvonen. 2,645,981, July 21.
Indexing work support. R. L. Hamill. 2,644,372, July 7.
Indicating and/or controlling the level of liquid within an opaque container, Method of and apparatus for. I. Harter, Jr. 2,641,034, June 9.
Indicating and recording device for yarn diameters. F. P. Strother. 2,641,960, June 16.
Indicating and recording equipment. L. W. Zabel, R. W. Schmidt, and R. H. Caston. 2,659,048, Nov. 10.
Indicating and recording systems. R. C. Raymond. 2,648,838, Aug. 11.
Indicating apparatus for cash registers or other business machines. K. Aurbach and H. Schaper. 2,658,668, Nov. 10.
Indicating check valve. R. F. Urso, A. W. Gardes, and E. L. Carleton. 2,638,582, May 12.
Indicating condition of memory element, Means for. J. A. Rajchman and E. Stemme. 2,645,724, July 14.
Indicating device. E. Bohnet. 2,659,979, Nov. 24.
Indicating device. H. Konet and P. E. Selfried. 2,664,558, Dec. 29.
Indicating device for machine tools. M. Pégard. 2,652,804, Sept. 22.
Indicating device for medicine bottles. E. M. Sturhahn. 2,625,131, Jan. 13.
Indicating device for photographic cameras. W. Noack and H. Naumann. 2,637,253, May 5.
Indicating device for seam welding apparatus. F. M. Darner and W. S. Schaefer. 2,656,447, Oct. 20.
Indicating device for typewriters and the like. P. M. Unterweiser. 2,633,969, Apr. 7.
Indicating device, Tangential and rotational motion. F. B. Wells. 2,640,278, June 2.
Indicating disk for golf club heads. E. F. Grossman. 2,660,436, Nov. 24.
Indicating maximum and minimum lighting conditions, Means for. R. E. Lovejoy, K. A. Smith, F. A. Harrington, and J. K. Harter. 2,638,580, May 12.
Indicating optical image projection apparatus for projectors. J. Y. Taylor. 2,663,220, Dec. 22.
Indicating plate and pull wire, Combined. J. R. English. 2,659,335, Nov. 17.
Indicating switch. M. R. Winkler. 2,662,942, Dec. 15.
Indicating temperatures, Means for. E. G. Boice, R. G. Peter, and E. J. Volmert. 2,633,025, Mar. 31.
Indicating the logarithmic value of a magnitude, Means for. P. B. Vanderlyn. 2,662,213, Dec. 8.
Indicating the movement of material, Method and apparatus for. W. S. Pajes. 2,640,936, June 2.

Indicator: *See*—
Alignment indicator.
Angle of attack indicator.
Antenna direction indicator.
Automobile truck direction indicator.
Axial indicator.
Battery indicator.
Battery liquid level indicator.
Bowling foul indicator.
Brake fluid indicator.
Brake fluid safety indicator.
Brake lever actuated oil level indicator.
Buoy indicator.
Carbide level indicator.
Catalyst level indicator.
Cell diaphragm position indicator.
Cigarette case timing indicator.
Cloud height indicator.
Coincidence indicator.
Combustion chamber pressure indicator.
Combustion severity indicator.
Current indicator.
Dial indicator.
Diaphragm type pressure indicator.
Directional indicator.
Directional turn indicator.
Dual function indicator.
Elapsed time indicator.
Electric outlet circuit indicator.
Electrical low pressure flat tire indicator.
Electrically operated visual indicator.
Electrolyte level indicator.
Electronic pressure indicator.
Elongation indicator.
Engine low oil indicator.
Engine oil level indicator.
Engine performance indicator.
Finger to piano key indicator.
Flight and bank level indicator.
Fluid flow indicator
Fluid leakage indicator.
Fluid level indicator.
Frozen food indicator.
Fuel mileage indicator.
Furnace atmosphere indicator.
Gas filter indicator.
Glass level indicator.
Gyrostabilized carrier aircraft approach light indicator.
Hardness testing indicator.
Humidity indicator.
Inclination indicator.
Level indicator.
Line identification trouble indicator.
Liquid flow indicator.
Liquid level indicator.
Low tire indicator.
Mailbox indicator.
Monogrammic indicator.
Motion-picture reel end indicator.
Motor vehicle oil level indicator.
Multirange recorder indicator.
Null balance indicator.
Ocular tension indicator.
Oil change indicator.
Open telegraph line indicator.
Order indicator.
Panoramic frequency indicator.
Peak clipper indicator.
Phase indicator.
Position indicator.
Power line failure indicator.
Pressure balance indicator.
Radiation - absorption type liquid level indicator.
Radiation indicator.
Rate of rise-dive indicator.
Recording plan position indicator.
Relative humidity indicator.
Seam depth indicator.
Selective plural digit indicator.

Indicator. R. L. Duncan. 2,639,686, May 26.
Indicator. L. O. Heck. 2,638,272, May 12.
Indicator and control device. R. C. Siebert. 2,653,312, Sept. 22.
Indicator and signal, Hot-box. T. Marks, Jr. 2,628,342, Apr. 7.
Indicator apparatus for radio object locating. L. J. Haworth. 2,653,312, Sept. 22.
Indicator device. L. R. Sayer. 2,659,066, Nov. 17.
Indicator for aircraft, Dive angle. J. H. Andrews. 2,635,467, Apr. 21.
Indicator for apparatus adapted to detect suspended matter in fluids. A. W. Uhl. 2,651,029, Sept. 1.
Indicator for automotive vehicles. Mileage. H. Boucher. 2,634,914, Apr. 14.
Indicator for boreholes, Oriented dip and strike. 2,640,275, June 2.
Indicator for cooking range ovens. C. M. Noble. 2,642,132, June 16.
Indicator for cranes, Load weight. C. L. Hall. 2,646,273, July 21.
Indicator for drive-in theaters, Vacancy. A. H. Nerad. 2,632,156, Mar. 17.
Indicator for electrical switches. E. T. Cranston. 2,625,631, Jan. 13.
Indicator for eutectic coolers. R. E. J. Shave. 2,642,746, June 16.
Indicator for fishing lines, Signal. G. F. Hall. 2,643,371, June 23.
Indicator for flatiron control means. P. J. Kelly. 2,642,027, June 16.
Indicator for fork-lift trucks, Load weight. C. L. Hall. 2,659,592, Nov. 17.
Indicator for frequency shift signals, Tuning. Likatos. 2,636,086, Apr. 21.
Indicator for liquid pumps, Feed. G. C. Fairbanks, H. M. Putnam, Jr. 2,629,089, Feb. 17.
Indicator for motion-picture cameras, Footage. J. Stone. 2,641,059, June 9.
Indicator for oil well derricks, Traveling block. C. Stone, F. J. Lopker, and B. S. Minor. 2,634,405, Apr. 7.
Indicator for plug-cock type of valves, Rotation. Stott. 2,639,118, May 19.
Indicator for pneumatic tires, Pressure. L. D. Hall. 2,655,571, Oct. 13.
Indicator for refrigerators, Frost. R. J. Wolfert. 2,644,422, July 7.
Indicator for television quiz shows, Automatic. Reynolds. 2,654,163, Oct. 6.
Indicator for use on fishlines, Nibble. L. A. Sanz, J. Cucuro. 2,634,538, Apr. 14.
Indicator for visually observing flow of a liquid in a pipe. K. M. Newcum. 2,660,144, Nov. 24.
Indicator for working position of agricultural tools. Sperling. 2,654,339, Oct. 6.
Indicator having reversible counting means, Shaft rotation. H. P. Stabler. 2,656,106, Oct. 20.
Indicator mounting. L. A. Paine and W. J. Paine. 2,628,114, Feb. 10.

Indicator of the clock type, Traffic control. S. Haskin. 2,658,187, Nov. 3.
Indicator of the ionization type, True air speed. A. A. Stuart. 2,632,326, Mar. 24.
Indicator of the wet and dry bulb thermometer type, Relative humidity. A. H. Lamb. 2,633,024, Mar. 31.
Indicator operated by air pressure, Level. J. T. Parisi. 2,640,977, June 2.
Indicator selecting and lock-in circuit. P. Mallery. 2,639,415, May 19.
Indicator system for gas heated appliances. V. J. Evans. 2,641,750, June 9.
Indicator with automatic cancellation, Turn. C. A. Best and L. E. Johnson. 2,651,688, Sept. 8.
Indirect instrument illumination. K. F. Pittman. 2,654,020, Sept. 29.
"Indirect" oxidation-splitting of acetylenic gamma glycols. A. Brotham. 2,663,715, Dec. 22.
Indium acetylacetonate, Preparation of. A. P. Kozacik and E. M. Nygaard. 2,654,769, Oct. 6.
Indium-bismuth-lead alloy. A. A. Smith, Jr. and J. L. Everhart. 2,649,369–70, Aug. 18.
Indium-bismuth-tin alloy. A. A. Smith, Jr. and J. L. Everhart. 2,649,368, Aug. 18.
Individual wheel spring suspension. G. Kallner. 2,657,070, Oct. 27.
Indoor marble playing ring. W. A. Kennon. 2,639,151, May 19.
Indophenazines as catalysts in dye bleach baths for color photography. J. S. Friedman. 2,627,461, Feb. 3.
Induced and scattered gamma ray borehole logging, Combination. G. Herzog. 2,648,780, Aug. 11.
Inductance and self-capacitance measuring device. E. M. Shiepe. 2,626,981, Jan. 27.
Inductance coil. R. C. Taylor. 2,628,342, Feb. 10.
Inductance coil of the sliding core type. H. M. Visch. 2,642,559, June 16.
Inductance tuning unit. F. O. Chesus and J. T. Koleda. 2,629,860, Feb. 24.
Inductance unit. A. S. Khouri. 2,654,861, Oct. 6.
Induction furnace. R. L. Lindner and T. K. Hayes. 2,648,716, Aug. 11.
Induction heating apparatus. R. P. G. Gardner. 2,655,590, Oct. 13.
Induction heating machine with controls. W. L. Corteggiano, M. P. Vore, and J. M. Edwards. 2,644,075, June 30.
Induction heating of recording styli. H. F. Schoemehl and H. D. Ward. 2,627,416, Feb. 3.
Induction heating of recording styli. L. R. Shardlow. 2,628,104, Feb. 10.
Induction heating work-holding means. E. M. Wharff, Jr. 2,632,841, Mar. 24.
Induction machine, Mechanically controllable. F. Bauer. 2,648,807, Aug. 11.
Induction motor of the capacitor type. A. J. Lewus. 2,646,538, July 21.
Induction motor with sealed rotor. J. C. Holst. 2,657,322, Oct. 27.
Induction of bud formation in plant tissues. F. Skoog. 2,653,087, Sept. 22.
Induction system for a two-cycle engine of three cylinders. E. C. Kiekhaefer. 2,630,791, Mar. 10.
Inductive-interference preventive-means. L. J. Hibbard. 2,636,995, Apr. 28.
Inductive prospecting. M. Puranen and A. A. Kahma. 2,642,477, June 16.
Inductor of dynamo machine. J. M. Pestarini. 2,637,012, Apr. 28.
Industrial models and fixtures, Making. S. P. Kish. 2,652,595, Sept. 22.
Industrial system of voltage rectification by means of rectifying tubes provided with a control grid. P. M. G. Toulon. 2,637,837, May 5.
Industrial truck. E. R. Backofen, E. J. Dunham, and S. R. Skellenger. 2,660,325, Nov. 24.
Inert-arc welding of stainless tubing. W. S. Schaefer. 2,654,014, Sept. 29.
Inert gas blanketed welding rod feed. H. T. Herbst. 2,644,070, June 30.
Inert monatomic-gas shielded refractory metal remelting surface-defect removal process. W. O. Binder. 2,640,792, June 2.
Inertia control and damping means for galvanometers. O. H. Schmitt. 2,638,492, May 12.
Inertia differentially modified governor. R. Lee. 2,656,175, Oct. 20.
Inertia overcoming device for flying shears. R. W. Dellinger. 2,630,177, Mar. 3.
Inertia switch. S. Bleier. 2,637,791, May 5.
Inertia switch. M. M. Collins. 2,656,139, Oct. 20.
Inertial air cleaner. A. S. Chipley. 2,648,398, Aug. 11.
Infant feeding bottle support. R. J. Drill. 2,647,714, Aug. 4.
Infant restraining device. L. and D. S. Moore. 2,650,590, Sept. 1.
Infinitely-variable change-speed gear. M. Neidhart and E. Koller. 2,660,897, Dec. 1.
Inflammable composition containing red phosphorus. M. S. Silverstein. 2,645,571, July 14.
Inflammable compositions including red phosphorus. M. S. Silverstein and J. J. Jakabcin. 2,635,953, Apr. 21.
Inflatable article having retaining collar. E. A. Robinson and A. F. Heck. 2,625,398, Jan. 13.
Inflatable pad. E. C. Champagne. 2,644,449, July 7.
Inflatable standby seal for stationary, revolving, sliding, and rocking tubes and the like and shafts and the like. W. J. Gilbert, Sr. 2,648,554, Aug. 11.
Inflating device, Automatic. G. H. Connors. 2,642,110, June 16.
Inflating means. W. J. Phane. 2,639,750, May 26.
Inflating mechanism adjustable for high or low pressure ranges. W. P. Dalrymple. 2,625,949, Jan. 20.
Inflator for pneumatic lifesaving devices. C. W. Musser and A. Benditt. 2,627,998, Feb. 10.
Information collecting system. H. R. Reiss. 2,643,172, June 23.
Information-storing device. C. S. Carney, E. H. Fritze, and L. C. Stanley. 2,662,944, Dec. 15.
Informational storage device. J. A. Buckbee. 2,661,442, Dec. 1.
Infrared analyzer. O. G. Koppius. 2,650,307, Aug. 25.
Infrared band pass filter. E. R. Blout, J. E. Campbell, R. S. Corley, and P. L. Snow. 2,624,239, Jan. 6.
Infrared band pass filter. E. R. Blout, R. S. Corley, and P. L. Snow. 2,624,240, Jan. 6.
Ingot mold. E. Marburg. 2,626,436, Jan. 27.
Ingot mold. E. Marburg. 2,641,807, June 16.
Ingot stripper. R. J. Leckrone. 2,641,806, June 16.
Inhalation apparatus. J. M. L. Jones. 2,655,918, Oct. 20.
Inhaler. F. E. Brown. 2,642,063, June 16.
Inhaler. R. S. Johnson and G. A. Palmquist. 2,651,303, Sept. 8.
Inhaler. L. L. Leonaitis. 2,641,255, June 9.
Inhaler and constructing it. J. W. Arpin. 2,630,802, Mar. 10.
Inhaler, Medicament. W. M. Grosvenor, Jr. 2,633,131, Mar. 31.
Inherently processable interpolymer of vinyl chloride, vinyl acetate, and 2-ethylhexyl acrylate. R. J. Wolf. 2,636,024, Apr. 21.
Inhibited polyoxyalkylene glycol fluids. T. W. Langer and B. F. Mago. 2,624,708, Jan. 6.
Inhibiting corrosion. G. H. Rohrback and D. M. McCloud. 2,635,698, Apr. 21.
Inhibiting corrosion in storage vessels. E. H. Clendenin and W. A. Wurth. 2,634,223, Apr. 7.
Inhibiting corrosion of metals. W. B. Hughes. 2,643,977–8, June 30.
Inhibiting corrosion of metals. W. B. Hughes. 2,646,399–400, July 21.
Inhibiting corrosion of metals. W. B. Hughes and B. Heinze. 2,643,227, June 23.
Inhibiting foam in steam generation. A. L. Jacoby. 2,626,243, Jan. 20.
Inhibiting foaming in water. L. O. Gunderson. 2,647,088, July 28.
Inhibiting precipitation of 2,4-D salts in hard water. H. L. Sanders and R. L. Mayhew. 2,628,162, Feb. 10.
Inhibiting roll pickup in continuous annealing of steel strip, Method and apparatus for. H. F. Shannon. 2,650,889, Sept. 1.
Inhibiting storage tank corrosion. A. C. Broyles. 2,639,971, May 26.
Inhibition of gelation in unsaturated polyesters with salts of amines. E. E Parker. 2,646,416, July 21.
Inhibition of gelation of polymerizable mixtures. E. E. Parker. 2,627,510, Feb. 3.
Inhibition of phosphoric acid corrosion. J. D. Kemp and H. P. Zeh. 2,653,177, Sept. 22.
Initial sealing of cyclone dip-legs. B. G. Jones. 2,634,191, Apr. 7.
Initiating composition containing lead azide, Producing. L. Rubenstein. 2,653,863, Sept. 29.
Initiation of propellant decomposition. H. Maisner. 2,648,190, Aug. 11.
Injectable solution of salt of para-amino-salicylic acid. R. Lardé and M. Pesez. 2,647,853, Aug. 4.
Injection apparatus. S. A. Deans. 2,653,607, Sept. 29.
Injection apparatus. G. N. Hein, Jr. 2,653,603, Sept. 29.
Injection apparatus. E. A. May. 2,642,062, June 16.
Injection apparatus, Hypodermic. G. N. Hein, Jr. 2,635,602, Apr. 21.
Injection device. G. N. Hein, Jr. 2,653,604, Sept. 29.
Injection device. E. R. Lawshe. 2,642,064, June 16.
Injection device. E. R. Lawshe and J. H. Smoot. 2,645,223, July 14.
Injection device. E. A. May. 2,635,601, Apr. 21.
Injection device. J. H. Smoot. 2,653,602, Sept. 29.
Injection device and ampoule. G. N. Hein, Jr. 2,653,605, Sept. 29.
Injection flask apparatus. A. J. Hennike, G. Morris, and E. E. Broady. 2,660,758, Dec. 1.
Injection means for prime movers, Liquid-fuel. T. A. Harris. 2,655,937, Oct. 20.
Injection molding. H. T. Walther. 2,637,073, May 5.
Injection molding apparatus. A. S. Watkins and G. L. Warsack. 2,656,568–9, Oct. 27.
Injection of additives into fluids being dispensed. N. D. Taylor. 2,638,247, May 12.
Injection syringe. P. Gallice and P. and L. Nogier. 2,629,376, Feb. 24.
Injection system for internal-combustion engines. H. N. Fiser. 2,624,326, Jan. 6.
Injector and blade disposal device for razors. J. C. Fennelly. 2,643,452, June 30.

Injector and stabilizer for gas turbine afterburners, Combination. F. D. M. Williams. 2,651,178, Sept. 8.
Injector device. S. H. Lamport. 2,662,666, Dec. 15.
Injector for hypodermic needles, Automatic. G. O. Transue. 2,664,086, Dec. 29.
Injector nozzle back pressure utilization means. J. L. Pauly and B. B. Holmes. 2,630,817, Mar. 10.
Ink carrier and making. E. D. Hill. 2,631,358, Mar. 17.
Ink containing a polymerized olefin, Printing. H. S. Bloch and A. E. Hoffman. 2,640,782, June 2.
Ink fountain for printing presses. B. B. Perry. 2,645,176, July 14.
Ink fountain, Rotary intaglio. C. A. Harless. 2,631,532, Mar. 17.
Ink drying equipment for web printing machines. W. C. Wieking. 2,642,000, June 16.
Ink having improved drying properties. A. C. Zettlemoyer and I. M. Bernstein. 2,640,783, June 2.
Ink, Nonsmudging duplicating. W. N. B. Armstrong and H. S. Kredentser. 2,647,060, July 28.
Ink, Printing. A. J. Schroeder. 2,644,759–60, July 7.
Ink pump. H. J. Mumma. 2,625,885, Jan. 20.
Ink-ribbon reversal mechanism for typewriters and printing business machines. I. Bovio. 2,654,461, Oct. 6.
Ink, Stabilized stencil. H. W. Hempel and F. P. Calabrese. 2,649,381, Aug. 18.
Ink supply means for felt nibbed pens. S. N. Rosenthal. 2,629,359, Feb. 24.
Ink transfer element. C. S. Francis, Jr. 2,567,157, Oct. 27.
Inker, Printing plate. C. G. Dudis and R. F. Du Bois. 2,654,340, Oct. 6.
Inking apparatus, Stamp. G. E. Ryckman. 2,633,078, Mar. 31.
Inking mechanism for printer slotter-multicolor rolls. G. N. Rullo. 2,664,045, Dec. 29.
Inking mechanism for printing machines. F. Spence. 2,625,879, Jan. 20.
Inking mechanism for printing presses. W. S. Jobb. 2,655,104, Oct. 13.
Inking mechanism for printing presses. L. A. Rosse. 2,650,537, Sept. 1.
Inking ribbon mechanism. R. E. Paris, J. H. Bakelaar, and E. F. Comstock. 2,634,063, Apr. 7.
Inking type of printing machines with quick-drying ink. C. R. Johnson. 2,653,540, Sept. 29.
Inks, Printing. D. H. Praeg. 2,645,622, July 14.
Inks, Printing. A. F. Schmutzler. 2,636,015, Apr. 21.
Inlaid articles, Making. J. J. Larmour. 2,635,328, Apr. 21.
Inlay extractor. J. Sarti. 2,640,266, June 2.
Inlay knobs and the like, Manufacturing. E. J. Hobson and C. J. Lind. 2,633,758, Apr. 7.
Inlet ram for power plants. N. C. Price. 2,632,295, Mar. 24.
Inner boxcar door. C. L. Brown. 2,624,921, Jan. 13.
Innersole construction, Composite. G. E. Musebeck. 2,641,069, June 9.
Inner sole, Water resistant. A. L. Dorgin. 2,635,363, Apr. 21.
Inner tube for pneumatic tires. J. W. Waber. 2,633,177, Mar. 31.
Inorganic fluorine-containing compounds of aluminum, Making. W. A. La Lande, Jr., and I. Mockrin. 2,659,657, Nov. 17.
Inorganic oxide gel, Preparing an. M. M. Marisic. 2,647,875, Aug. 4.
Insect catcher for automobiles. G. Cash. 2,655,404, Oct. 13.
Insect electrocuting appliance. E. Sokolik. 2,661,566, Dec. 8.
Insect killer with fire preventing means, Electrical. E. Kretschmar. 2,661,512, Dec. 8.
Insect repellent attachment for screen doors. E. J. Vaillancourt. 2,629,628, Feb. 24.
Insect repellents. P. D. Bartlett, H. J. Dauben, Jr., and A. Schneider. 2,627,490, Feb. 3.
Insect repellents. N. L. Drake and S. Melamed. 2,627,489, Feb. 3.
Insect repellents. N. L. Drake and S. Melamed. 2,653,895, Sept. 29.
Insect repellents. N. L. Drake, W. J. Shenk, and C. M. Baker. 2,627,487, Feb. 3.
Insect repellents. M. S. Newman and W. B. Wheatley. 2,653,894, Sept. 29.
Insect trap. W. A. Pohlman. 2,645,877, July 21.
Insecticidal aerosol compositions comprising a 1,1,1-trichloro-2,2-bis (ethoxy methyl phenyl) ethane in a chloro-fluoro methane. L. A. Mikeska. 2,637,676, May 5.
Insecticidal and acaricidal composition comprising propylene glycol and alkali ammonium sulfo sulfide. J. B. Moore. 2,641,563, June 9.
Insecticidal composition comprising a glycol and an insecticidal phosphate. J. B. Moore. 2,631,962, Mar. 17.
Insecticidal composition comprising a thermal decomposition product of pentachlorpentadienoic acid. H. M. Hill. 2,629,681, Feb. 24.
Insecticidal compositions. H. G. Smith, M. L. Hill, and T. L. Cantrell. 2,636,839, Apr. 28.
Insecticidal compositions comprising benzyl or tetrahydrofurfuryl ester of mucochloric acid. H. D. Brown. 2,636,840, Apr. 28.
Insecticidal compositions containing 1,2-dichloro-4(α,β-dichloroethyl)-cyclohexane and using the same. E. G. Marhofer. 2,658,017, Nov. 3.
Insecticidal compounds. E. B. Hodge. 2,653,896, Sept. 29.
Insecticide and fire-fighting bomb, Home rechargeable liquid wax. J. E. Shaffer. 2,630,942, Mar. 10.
Insecticide fogger. G. W. McIntire. 2,662,332, Dec. 15.
Insecticide package. J. A. Okie. 2,661,981, Dec. 8.
Insecticide spray. J. W. Birosh. 2,660,251, Nov. 24.
Insecticide spraying and dusting apparatus, Airplane. F. J. Wadman. 2,626,769, Jan. 27.
Insecticides. R. H. Wellman and R. W. McNamee. 2,639,259, May 19.
Insert assembly for leaf springs. C. G. Davis. 2,660,425, Nov. 24.
Insert board. B. Liebowitz. 2,630,948, Mar. 10.
Insert for bowling balls, Finger grip. S. J. Nagy and J. F. Klares. 2,646,985, July 28.
Insert for brief bags, Compartmented. S. B. Silverman. 2,657,726, Nov. 3.
Insert for cartons, Article holding. H. L. Metzger. 2,639,081, May 19.
Insert for drilling strings. J. F. Cochran, J. I. Middleton, and N. D. Jaques. 2,657,907, Nov. 3.
Insert gathering and envelope stuffing machine. Z. E. Colby. 2,657,043, Oct. 27.
Insert type thermostatic expansion valve. F. Y. Carter. 2,642,724, June 23.
Inserted tooth rock drill. O. A. Letts. 2,649,284, Aug. 18.
Inserting a cloth insert into a rayon cake before fluid treatment. R. V. De Vault and R. J. Echerd, Jr. 2,645,554, July 14.
Inserting and sealing machine. E. McVey. 2,629,214, Feb. 24.
Inserting single sheets into folded sheets and apparatus for performing the same. H. Dann. 2,644,686, July 7.
Inserting stoppers into bottles. T. A. Haynes. 2,656,086, Oct. 20.
Inside pipe cutter. C. R. Edwards. 2,640,537, June 2.
Inside pipe cutter. D. W. Osmun. 2,659,434, Nov. 17.
Insignia mount. G. F. Felton. 2,638,867, May 19.
Insignia placing device for combat jackets. M. F. Thacker. 2,637,909, May 12.
Insole, Adjustable orthopedic. D. J. Morton. 2,662,309, Dec. 15.
Insole assembling machine. G. F. C. Burke. 2,649,596, Aug. 25.
Insole for footwear, Molded and tapering latex. W. M. Scholl. 2,658,288, Nov. 10.
Insole for shoes, Cushioning. E. W. Town. 2,645,865, July 21.
Insole having cookie for shoes. P. G. Flint and J. J. Maguire. 2,625,751, Jan. 20.
Insole having separate attached sewing ribs. V. A. Sherbrook. 2,651,855, Sept. 15.
Insole, Reversible. C. J. Thompson. 2,641,068, June 9.
Insoles, Preparing Goodyear welt. A. A. Katz. 2,637,863, May 12.
Insolubilization of polycarbonamides containing tertiary nitrogen in the chains. P. W. Morgan. 2,631,993, Mar. 17.
Inspecting apparatus. W. J. Fedorchak. 2,649,500, Aug. 18.
Inspecting apparatus. G. W. Penney and H. A. Thomas. 2,647,214, July 28.
Inspecting cavities, Method and apparatus for. E. D. McArthur. 2,630,472, Mar. 3.
Inspection apparatus. H. R. Hughes. 2,635,747, Apr. 21.
Inspection gauge. M. Knobel. 2,624,122, Jan. 6.
Inspection gauge. A. E. Lyons. 2,657,468, Nov. 3.
Inspection system. A. N. Goldsmith. 2,648,723, Aug. 11.
Installation for dewatering slimes. E. Riedel. 2,663,427, Dec. 22.
Installation for reclaiming flue dust. G. E. Morton. 2,631,178, Mar. 10.
Installation for the collection, treatment, and distribution of water. R. Nebolsine. 2,653,129, Sept. 22.
Installation for the production of hot gases under pressure. P. E. J. M. Maldague. 2,655,364, Oct. 13.
Installation for use with scrap briquetting presses. W. Lindemann and F. van Endert. 2,643,558, June 30.
Installation of underground transmission pipe. L. E. Thomas. 2,663,323, Dec. 22.
Installing and removing flow valves, Means for. K. C. Howard, H. E. McGowen, Jr., and H. H. Moore, Jr. 2,664,162, Dec. 29.
Installing joint strips in highways. C. E. Ulrich. 2,625,086, Jan. 13.
Installing underground pipes or ducts. C. W. Riva. 2,656,683, Oct. 27.
Instantaneous automatic gain control circuit. P. R. Bell, Jr. 2,644,083, June 30.
Instantaneous automatic monitor. D. J. De Loi. 2,664,503, Dec. 29.
Instantaneous frequency monitor. W. R. Wilson and J. B. Reynolds. 2,640,106, May 26.
Instantaneous reversing motor. J. Rabinow. 2,632,141, Mar. 17.
Instantly reversible motor. L. D. Clark. 2,643,357, June 23.
Instantly reversible motor. D. C. Reek. 2,647,230, July 28.

Instantly reversible motor. W. W. Warner. 2,651,747, Sept. 8.
Instantly reversing motor. E. S. Tamm. 2,661,451, Dec. 1.
Instruction accessory for chess games. G. F. Wales. 2,647,749, Aug. 4.
Instruction apparatus for vehicle operation. V. A. Wilson. 2,627,674, Feb. 10.
Instrument actuating mechanism. F. C. Melchior. 2,636,394, Apr. 28.
Instrument, Aircraft. M. R. Ludwig. 2,637,911, May 12.
Instrument, Aircraft cabin rate of climb control. W. B. Klemperer. 2,632,374, Mar. 24.
Instrument, Airplane. L. M. Greene. 2,624,529, Jan. 6.
Instrument, Ballistics testing. R. L. Pigford. 2,640,355, June 2.
Instrument, Binocular vision diagnostic. H. Martin. 2,637,317, May 5.
Instrument, Calculating. G. Agins and C. D. Bock. 2,635,224, Apr. 14.
Instrument, Calculating. A. F. Winterfeldt. 2,637,499, May 5.
Instrument, Circumcision. H. Bronstein. 2,646,047, July 21.
Instrument, Combination recording and magnetically operated indicating. W. A. Ray. 2,637,618, May 5.
Instrument, Cross-country navigational. M. S. Worley. 2,641,844, June 16.
Instrument, Cutting. E. W. Gent. 2,645,849, July 21.
Instrument, Dental. J. Diener. 2,655,726, Oct. 20.
Instrument, Dental crown seating. J. C. Wilborn. 2,624,942, Jan. 13.
Instrument, Dental hand. J. K. and R. Maurer. 2,643,456, June 30.
Instrument, Dental matrix. L. H. Dvorak. 2,647,315, Aug. 4.
Instrument, Dental measuring. J. Gelfand. 2,635,347, Apr. 21.
Instrument, Dental paralleling. V. W. Mintz. 2,644,235, July 7.
Instrument, Directional horizon indicating. G. W. Hoover. 2,636,161, Apr. 21.
Instrument, Directional indicating. J. C. Hewitt, Jr. 2,656,505, Oct. 20.
Instrument, Drafting. L. A. Cangialosi. 2,627,116, Feb. 3.
Instrument, Drafting. H. S. Gilbertson. 2,637,110, May 5.
Instrument, Drawing. G. Lotter. 2,659,155, Nov. 17.
Instrument, Drawing. C. J. Worth. 2,638,674, May 19.
Instrument, Embalming. G. H. Wartman. 2,639,484, May 26.
Instrument, Extensometer calibrating. R. L. Templin. 2,627,661, Feb. 10.
Instrument, Fiber length distribution measuring. L. M. Puster. 2,648,251, Aug. 11.
Instrument, Finger tip massaging. E. F. Viniegra. 2,644,446, July 7.
Instrument for boring aligned holes. J. T. Castle. 2,644,348, July 7.
Instrument for closing the urethra. H. Salm. 2,649,854, Aug. 25.
Instrument for determining motor vehicle action. L. J. Fuller. 2,654,538, Oct. 6.
Instrument for determining ratio and polarity of transformers. J. E. Mulavey. 2,657,356, Oct. 27.
Instrument for drawing conic sections. M. Polakowski. 2,660,790, Dec. 1.
Instrument for drawing ellipses and related figures. J. W. Dibrell. 2,645,854, July 21.
Instrument for indicating permeability. C. A. Anderson. 2,659,857, Nov. 17.
Instrument for lifting hairpins, Magnetic. A. Zachary. 2,656,211, Oct. 20.
Instrument for measuring inside dimensions. H. Rudolph. 2,663,942, Dec. 29.
Instrument for measuring magnetic permeability. S. Tierney, Jr. 2,644,920, July 7.
Instrument for measuring speed of shafts, and the like. J. N. Corry. 2,649,010, Aug. 18.
Instrument for measuring the ratio of pulse width to pulse recurrence period of recurrent pulse signals. R. M. Page. 2,628,348, Feb. 10.
Instrument for producing a regulated force responsive to a condition. A. J. Rosenberger and A. Goldberg. 2,626,626, Jan. 27.
Instrument for producing colors by means of polarization. S. Rösch. 2,651,971, Sept. 15.
Instrument for relating casts to dental articulators. J. E. Brassie. 2,656,603, Oct. 27.
Instrument for removing saliva. J. E. Scott. 2,644,234, July 7.
Instrument for testing eyes. J. M. Richards. 2,635,502, Apr. 21.
Instrument for treating prostate glands. W. B. Keeling. 2,642,874, June 23.
Instrument, Fracture securing. A. T. Purificato. 2,631,584, Mar. 17.
Instrument, Gauging or trueing. T. J. Samborski. 2,635,345, Apr. 21.
Instrument, Geometrical. E. L. Callahan. 2,631,376, Mar. 17.
Instrument, Gyroscopic navigational. T. O. Summers, Jr. 2,635,469, Apr. 21.
Instrument, Gyroscopically operated measuring. T. W. Kenyon. 2,641,134, June 9.
Instrument, Impedance measuring. G. R. Gamertsfelder. 2,641,632, June 9.
Instrument, Indicating. R. T. Schumann. 2,626,385, Jan. 20.
Instrument, Indicating and recording navigational. J. I. Mitchell. 2,633,401, Mar. 31.
Instrument, Internal measuring. G. Bellstaedt. 2,644,239, July 7.
Instrument, Ionization responsive. R. Futterknecht. 2,646,516, July 21.
Instrument, Layout. J. A. Cameron. 2,653,387, Sept. 29.
Instrument, Layout. E. Thompson. 2,640,268, June 2.
Instrument, Lens testing. J. K. Davis. 2,624,237, Jan. 6.
Instrument, Liquid level indicating. A. A. Miller. 2,645,125, July 14.
Instrument, Magnetic induction well-logging. R. A. Broding. 2,625,583, Jan. 13.
Instrument, Marking. W. Kaufman. 2,645,853, July 21.
Instrument, Measuring. A. W. Magnuson. 2,624,119, Jan. 6.
Instrument, Measuring. D. McSkimmon. 2,638,679, May 19.
Instrument, Measuring. F. R. Porter, Jr. 2,641,842, June 16.
Instrument, Measuring. R. D. Richardson. 2,628,332, Feb. 10.
Instrument, Mechanically driven musical. E. Fraysur. 2,630,040, Mar. 3.
Instrument, Moving-coil electrical. D. A. Young. 2,637,761, May 5.
Instrument, Moving-coil electrical measuring. L. J. Lunas. 2,637,762, May 5.
Instrument, Multiple-point measuring. C. A. Blakeslee. 2,628,149, Feb. 10.
Instrument, Navigational. J. W. Barnes. 2,627,180, Feb. 3.
Instrument panel. E. A. Neugass. 2,660,824, Dec. 1.
Instrument pointer actuating mechanism and adjustment. H. Hermanny. 2,642,743, June 23.
Instrument, Power indicating. C. R. Gibson. 2,653,472, Sept. 29.
Instrument, Range shifting. A. Allen. 2,653,308, Sept. 22.
Instrument repair lighting table. F. B. Kauper. 2,629,924, Mar. 3.
Instrument, Rheological. J. E. Tyler. 2,630,707, Mar. 10.
Instrument, Ruling or lining. H. M. McClure. 2,634,707, Apr. 14.
Instrument, Scientific. V. I. Zelov. 2,630,476, Mar. 3.
Instrument, Sealed. F. X. Lamb. 2,654,070, Sept. 29.
Instrument, Self-contained drafting. R. E. Amundsen. 2,658,279, Nov. 10.
Instrument, Sheet metal layout. W. Altnether. 2,645,028, July 14.
Instrument, Surgical. J. A. Benoit. 2,644,455, July 7.
Instrument, Survey. R. H. Firminhac. 2,656,476, Oct. 20.
Instrument, Surveying. L. Suverkrop. 2,633,639, Apr. 7.
Instrument, Surveying. R. K. Vickery. 2,652,627, Sept. 22.
Instrument, Telephone. P. T. O'Neil. 2,640,109, May 26.
Instrument, Thermal tooth testing. R. A. Posch. 2,645,097, July 14.
Instrument, Trammel and beam. J. M. Hart. 2,645,022, July 14.
Instrument, Transmitter testing. H. R. Smith and J. Ruston. 2,635,183, Apr. 14.
Instrument useful in anesthetizing by intratracheal insufflation. N. Nordstrom, Jr. 2,657,691, Nov. 3.
Instrument, Variable precision measuring. P. Darabaris. 2,638,678, May 19.
Instrument, Vibration indicating. W. H. Harstick. 2,654,595, Oct. 6.
Instrument, Well surveying. G. J. Butterworth and E. T. Young. 2,653,389, Sept. 29.
Instrument, Well surveying. J. C. Hewitt, Jr. 2,644,242, July 7.
Instrument, Well surveying. G. A. Smith. 2,659,160, Nov. 17.
Instrument, Well surveying. E. T. Young. 2,633,645, Apr. 7.
Instrument, Wind. G. M. Strobino. 2,638,027, May 12.
Instrument with geared pointer and pointer stop therefor, Indicating. C. A. de Giers. 2,640,456, June 2.
Instrument, Writing. H. C. Frentzel. 2,627,843, Feb. 10.
Instrument, Writing. J. P. Gowland. 2,642,042, June 16.
Insufflator. S. Miller and A. C. Emelin. 2,653,608, Sept. 29.
Insulated condenser electrodes, Production of. J. Burnham. 2,647,079, July 28.
Insulated electrical conductor. J. F. S. Abbott and C. J. Tappero. 2,624,777, Jan. 6.
Insulated electric connector. R. C. Swengel. 2,654,873, Oct. 6.
Insulated electrical tool. W. S. Chadwick. 2,646,304, July 21.
Insulated flue pipe. R. F. Twickler. 2,634,759, Apr. 14.
Insulated heat conducting unit. W. W. Gotshall. 2,656,902, Oct. 27.

Insulated inductor block for descaling metals. C. O. Parish and H. F. Kincaid. 2,625,644, Jan. 13.
Insulated multiple connector. M. Lee. 2,632,034, Mar. 17.
Insulated rail joint. R. W. Payne. 2,628,784, Feb. 17.
Insulated shingle producing machine. R. Patterson. 2,625,978, Jan. 20.
Insulated slip-joint device. R. M. Shirk. 2,663,580, Dec. 22.
Insulating and medicinal pad for dental cavities. V. S. Roubinn. 2,644,232, July 7.
Insulating apparatus, Wire. C. J. Krogel. 2,663,229, Dec. 22.
Insulating device for pipes, faucets, and the like. S. F. Walker. 2,650,180, Aug. 25.
Insulating filler composition. L. Weber, Sr. 2,643,193, June 23.
Insulating flexible splicer core for plural cable joints. D. G. Kerwin. 2,639,312, May 19.
Insulating material. F. H. Hollenberg, Jr. 2,633,433, Mar. 31.
Insulating material and making the same, Thermal. T. D. Cole. 2,631,644, Mar. 17.
Insulating materials. H. Thurnauer and J. Deaderick. 2,626,220, Jan. 20.
Insulating panel, Vacuum thermal. J. F. P. Tate. 2,638,187, May 12.
Insulating panels, door panels, furniture board or the like, Production of. W. Prase. 2,649,135, Aug. 18.
Insulating sheath for terminal post. R. M. Fiske. 2,636,065, Apr. 21.
Insulating splice protector. J. J. Sigman. Re. 23,649, Apr. 21.
Insulating structure and assembling. W. G. Spiegelhalter. 2,663,448, Dec. 22.
Insulating structure, Anode. W. W. Watrous, Jr. 2,644,101, June 30.
Insulation cuffer. R. E. Erickson. 2,629,422, Feb. 24.
Insulation for thermocouple head and arm. F. H. Bell. 2,631,179, Mar. 10.
Insulation garment and fabric, Cold weather. W. L. Brown. 2,642,571, June 23.
Insulation stripping device. L. F. Bentley. 2,657,601, Nov. 3.
Insulator combined with live line links. H. E. Clements. 2,640,867, June 2.
Insulator, Electrical. G. H. Jonker and P. B. A. Schilperoord. 2,643,192, June 23.
Insulator, Electrical. H. Kreisler. 2,647,943, Aug. 4.
Insulator, Electrical. K. M. Van Gessel. 2,638,660, May 19.
Insulator, Molded. M. J. Gelpi. 2,661,390, Dec. 1.
Insulator mounting. C. J. Fot. 2,659,766, Nov. 17.
Insulator socket assembly for fluorescent tubes. J. A. Howenstine. 2,626,976, Jan. 27.
Insulator support. B. M. Smalley. 2,628,805, Feb. 17.
Insulator tie. E. C. Carlson. 2,643,283, June 23.
Intaglio engraving press. E. A. Gillis. 2,662,471, Dec. 15.
Intaglio printing press. A. P. Bamford. 2,637,270, May 5.
Intaglio printing press. F. A. Ross. 2,655,102, Oct. 13.
Intake manifold. J. C. Taylor. 2,636,486, Apr. 28.
Intake pipe. N. C. Swanson. 2,629,334, Feb. 24.
Integral bit, rope socket, and jar tool. F. J. Spang. 2,661,930, Dec. 8.
Integral color correction masks, Making. A. B. Jennings. 2,633,422, Mar. 31.
Integral electrode with lead wire anchor for piezoelectric crystal. M. C. Tournier. 2,648,785, Aug. 11.
Integral one-piece wheel. K. L. Ewart. 2,631,897, Mar. 17.
Integrally capacitively ballasted discharge lamp. M. G. Clarke and H. L. Privett. 2,654,042, Sept. 29.
Integrating apparatus. R. W. Gilbert. 2,662,689, Dec. 15.
Integrating circuit. J. W. Trischka and H. S. Sack. 2,638,493, May 12.
Integrator. A. F. Sperry. 2,637,496, May 5.
Integrator and indicator, Water speed. J. B. Peterson. 2,655,040, Oct. 13.
Integrator for line-sectionalizers. J. M. Wallace and A. W. Edwards. 2,656,491, Oct. 20.
Integrator mechanism for line sectionalizers. J. M. Wallace and A. W. Edwards. 2,653,201, Sept. 22.
Intelligence exchange system. E. M. S. McWhirter and F. G. Popp. 2,645,764, July 14.
Intensely working plastic materials, Method and apparatus for. E. G. Schairer. 2,625,709, Jan. 20.
Intensifier. B. H. Short and A. G. Lautzenhiser. 2,640,174, May 26.
Intensifying silver photographic images. J. Q. Umberger. 2,662,014, Dec. 8.
Intercarrier television receiver. W. J. Stroh and W. S. Druz. 2,629,769, Feb. 24.
Interchangeable dual trailer coupling pin. W. E. Martin. 2,656,195, Oct. 20.
Interchangeable letter sign. J. W. E. Simpson. 2,642,686, June 23.
Interchangeable purse insert. V. D. Hogan. 2,624,385, Jan. 6.
Interchangeable shoulder pad. R. E. Riley. 2,654,096, Oct. 6.
Intercommunicating apparatus. R. H. Campbell. 2,662,115, Dec. 8.
Intercommunication apparatus. A. Liberman. 2,658,947, Nov. 10.
Intercommunication apparatus, Carrier-current. J. R. Cooney. 2,632,812, Mar. 24.
Interconnecting fan guard frame sections, Means for. J. H. Viewegh. 2,624,504, Jan. 6.
Interconversion of heat and electricity, Method and apparatus for. F. R. Bichowsky. 2,635,431, Apr. 21.
Intercooperative system for airborne and surface carriers. O. Brown. 2,639,107, May 19.
Interference eliminating circuits. I. H. Page. 2,626,349, Jan. 20.
Interference-Schlieren apparatus. T. W. Zobel. 2,660,915, Dec. 1.
Interference Schlieren apparatus of unusually large dimensions, having means for improving the interference quality by selective one point deformation of the reflecting elements of the device. T. W. Zobel. 2,629,283, Feb. 24.
Interference—Schlieren apparatus with simplified compensation principle. E. R. G. Eckert and T. W. Zobel. 2,655,074, Oct. 13.
Interferometer and Schlieren apparatus with unusually large measuring field. T. W. Zobel. 2,636,415, Apr. 28.
Interferometer apparatus with measuring grid. T. W. Zobel. 2,648,250, Aug. 11.
Interferometer using liquid mirrors. T. W. Zobel and F. Mirus. 2,647,434, Aug. 4.
Interfitted and interengaged nesting table. J. Shenker. 2,626,843, Jan. 27.
Interfitting machined parts. M. S. Black and A. G. Satterla, Jr. 2,647,847, Aug. 4.
Interlining for the manufacture of chemically stiffened articles of wearing apparel. L. Bihaly. 2,652,349, Sept. 15.
Interlock for broaching machines, Electrically operated safety. C. F. Triteline and B. L. Wright. 2,626,542, Jan. 27.
Interlock for folding box panels, Glueless. R. B. Meller. 2,634,899, Apr. 14.
Interlock, Mechanical. M. H. Sheldon. 2,642,753, June 23.
Interlock system. B. Cooper. 2,641,919, June 16.
Interlock, Universal. R. L. Stratton. 2,646,474, July 21.
Interlocked control apparatus for combined dynamic, track, and shaft brake equipment. G. L. Cotter. 2,656,501, Oct. 20.
Interlocking block. W. O. Nelson. 2,633,662, Apr. 7.
Interlocking brick. C. J. Lacy. 2,641,921, June 16.
Interlocking electrical connector. F. E. Maxwell. 2,637,764, May 5.
Interlocking mechanism for calculating machines. C. F. Webb. 2,646,927, July 28.
Interlocking mechanism for elevator doors. B. W. Tucker, Jr. 2,663,383, Dec. 22.
Interlocking mechanism for typewriters or like machines, Operation control. J. F. Kloski and W. H. Kupper. 2,633,966, Apr. 7.
Interlocking shockproof electrical plug. B. F. Nauslar. 2,643,364, June 23.
Intermediate metallic oxide film in a multiple layer article, Producing an. A. R. Weinrich. 2,628,921, Feb. 17.
Intermeshing sectional matting. E. E. Smith. 2,652,753, Sept. 22.
Intermittent electric light. T. N. Fortney. 2,638,584, May 12.
Intermittent feed mechanism utilizing control markings on film. F. H. Whiteley. 2,653,508, Sept. 29.
Intermittent film moving mechanism. F. O. Calvin. 2,631,492, Mar. 17.
Intermittent fuel injection valve. M. G. Scherberg. 2,653,805, Sept. 29.
Intermittent impact water wheel. P. H. Thomas. 2,662,726, Dec. 15.
Intermittent mechanical motion. E. Wildhaber. 2,656,731, Oct. 27.
Intermittent mechanism for motion-picture projecting mechanisms. J. W. Lang, Jr. 2,633,056, Mar. 31.
Intermittently actuated portable signal. D. U. Johnson. 2,634,407, Apr. 7.
Intermittently operating direction responsive switch. H. B. Lewis and H. Field, Jr. 2,664,477, Dec. 29.
Internal air chamber air-heating furnace. W. E. and R. A. Longworth. 2,652,823, Sept. 22.
Internal-combustion engine. C. C. Chronic and C. A. Shaffer. 2,659,351, Nov. 17.
Internal-combustion engine. M. Cousin. 2,661,727, Dec. 8.
Internal-combustion engine. W. W. Cushman. 2,637,307, May 5.
Internal-combustion engine. S. B. Eckert. 2,648,228, Aug. 11.
Internal-combustion engine. L. E. Fowler. 2,636,487, Apr. 28.
Internal-combustion engine. E. G. Grinham and H. G. Webster. 2,624,328, Jan. 6.
Internal-combustion engine. H. J. Hickey. 2,647,498, Aug. 4.

Internal-combustion engine. J. L. Hittell. 2,644,021, June 30.
Internal-combustion engine. E. J. Houdry. 2,656,830, Oct. 27.
Internal-combustion engine. E. C. Kiekhaefer. 2,643,510, June 30.
Internal-combustion engine. C. W. Malstrom. 2,653,590, Sept. 29.
Internal-combustion engine. J. E. D. McCarty. 2,633,113, Mar. 31.
Internal-combustion engine. M. C. Metzger. 2,635,126, Apr. 14.
Internal-combustion engine. Z. G. Parsons. 2,633,110, Mar. 31.
Internal-combustion engine. R. I. Potter. 2,632,432, Mar. 24.
Internal-combustion engine. J. L. Putt. 2,658,489, Nov. 10.
Internal-combustion engine. A. Taub. 2,658,488, Nov. 10.
Internal-combustion engine. J. M. Ulrich. 2,628,603, Feb. 17.
Internal-combustion engine. C. H. Ward. 2,639,698, May 26.
Internal-combustion engine. J. E. Witzky. 2,654,357, Oct. 6.
Internal-combustion engine compression tester. P. F. Adair. 2,625,033, Jan. 13.
Internal-combustion engine with scavenging air blower. J. Kopf, A. Schnürle, and O. Elwert. 2,660,156, Nov. 24.
Internal-combustion pump. G. Di Lorenzo. 2,662,487, Dec. 15.
Internal gauge. E. W. Graham and W. O. Mintel. 2,642,671, June 23.
Internal gauge. R. J. Wynne. 2,631,378, Mar. 17.
Internal lathe burner. F. A. Fisher and W. H. Kohl. 2,648,166, Aug. 11.
Internal pipe wrench. E. C. Howell. 2,657,605, Nov. 3.
Internal reverse taper expanding bit reamer. G. L. White. 2,638,948, May 19.
Internal spreader for gusseting lay-flat tubing. C. G. Reber. 2,631,332, Mar. 17.
Internally cooling gas turbine blades with air, fuel, and water, Method and apparatus for. H. Triebnigg and O. David. 2,647,368, Aug. 4.
Internally fired gas burner. C. W. Morck, Jr., and T. Koch. 2,652,890, Sept. 22.
Internally ported vane type pump. E. J. Bodensieck. 2,653,548, Sept. 29.
Interpolating circuit. A. E. Frost. 2,652,452, Sept. 15.
Interpole shunting means for alternating current commutating motors. R. M. Smith and M. W. Bellis. 2,664,535, Dec. 29.
Interpolymer of vinylaromatic compound and conjugated oil fatty acid. E. W. Kanning and E. G. Hart. 2,655,488, Oct. 13.
Interpolymers of a difluorodichloroethylene, a 1,3-butadiene hydrocarbon and vinylidene chloride. V. L. Folt and E. J. Carlson. 2,657,199, Oct. 27.
Interpolymers of selected 2-alkenyl 2-alkenoates or like esters with selected 2-alkenyl or like chlorides, ethers or esters with or without a different copolymerizable monoolefinic compound. P. O. Tawney. 2,643,991, June 30.
Interpolymers of trihaloalkenes. P. O. Tawney. 2,626,252, Jan. 20.
Interpolymerization of polyolefinic esters of 2-alkenyl alcohols with certain monoolefinic hydrocarbons. F. J. Carlin. 2,626,945, Jan. 27.
Interrupted can end feed mechanism. R. E. Renard. 2,645,366, July 14.
Interrupter part of compressed-air breakers. B. P. Baker, E. Frisch, W. S. Aspey, and J. B. MacNeill. 2,627,005, Jan. 27.
Interval timer. J. J. Webber. 2,656,672, Oct. 27.
Intramolecular esters of hydroxy or amino phosphinic acids. C. W. Smith. 2,648,695, Aug. 11.
Intramuscularly-administrable prolonged-action penicillin products. W. E. Gaunt, E. Bartner, and H. A. Schaeffer. 2,637,679, May 5.
Intravenous attachment. E. Eisenstein. 2,656,835, Oct. 27.
Intravenous solution flask provided with a snap-up bail. C. B. Bishop. 2,652,054, Sept. 15.
Introduction of active materials into evacuated envelopes. W. E. Harbaugh and L. P. Garner. 2,640,945, June 2.
Invalid child's bathing and amusement chair. F. Szabo. 2,647,561, Aug. 4.
Invalid handling apparatus. H. A. Wickey. 2,629,108, Feb. 24.
Invalid lift and transfer device. B. R. Dahlberg. 2,663,030, Dec. 22.
Invalid lift, Motor vehicle. T. R. Hoyer and V. Hildemann. 2,650,725, Sept. 1.
Inventory by color and model board for automobiles. A. E. Markey. 2,627,682, Feb. 10.
Inverse rotor. R. A. Matheisel. 2,652,505, Sept. 15.
Inverter. E. Levy, Jr. 2,644,126, June 30.
Inverter control automatic changeover for single or three-phase application. L. R. E. Gottman. 2,631,248, Mar. 10.
Invertible and adjustable picture holder. D. M. Knox. 2,657,488, Nov. 3.
Invertoscope for photographic cameras. L. Meditz. 2,644,383, July 7.
Involute checking fixture and tailstock mounting therefor. J. L. Jessup and H. H. Gotberg. 2,652,665, Sept. 22.
Inward banking vehicle with combined banking arm and pendulum axle construction. J. Kolbe. 2,660,254, Nov. 24.
Iodinated mercapto-imidazoles. C. F. Huebner and C. R. Scholz. 2,654,761, Oct. 6.
Iodinated substituted mercapto-imidazoles. C. F. Huebner and C. R. Scholz. 2,654,762, Oct. 6.
Iodinating proteins and their derivatives. W. R. Graham, Jr., G. O. Kohler, and R. D. Hoover. 2,650,914, Sept. 1.
Iodoform as modifier in vinyl chloride polymerization. A. W. Barnes. 2,647,107, July 28.
Iodomethylate compounds of the dimethyl xanthine series. A. J. M. Moussalli, A. Soubiran, and P. Chabrier. 2,641,598, June 9.
Iron: *See*—
Electric steam iron. Steam iron.
Ion controller. W. W. Hicks. 2,639,972, May 26.
Ion controller. W. W. Hicks. 2,640,158, May 26.
Ion-exchange materials and making and using the same. W. Juda and W. A. McRae. 2,636,851, Apr. 28.
Ion exchange process with magnetic ion exchange resins. E. C. Herkenhoff. 2,642,514, June 16.
Ion-exchange purification of sugar. C. H. McBurney. 2,635,061, Apr. 14.
Ion-exchange resins. G. F. D'Alelio. 2,628,193, Feb. 10.
Ion-exchange resins. G. F. D'Alelio. 2,631,127, Mar. 10.
Ion exchange resins from a trifunctional phenol formaldehyde and a Mannich base made from a trifunctional phenol, formaldehyde and a dialkylamine morpholine or piperidine. G. B. Butler and B. M. Benjamin. 2,636,019, Apr. 21.
Ion-exchange resins from carboxyalkyl cellulose ethers. W. M. Hutchinson. 2,664,397, Dec. 29.
Ion exchange resins from formaldehyde and the reaction product of a chloromethylated polynuclear hydrocarbon and a basic tertiary amine. C. E. Johnson. 2,658,042, Nov. 3.
Ion exchange treatment of alcohol solutions. E. D. Unger, L. A. Smith, and H. F. Willkie. 2,641,543, June 9.
Ion exchange treatment of solutions containing cyanohydrins. F. R. Riley. 2,664,396, Dec. 29.
Ion gauge. F. C. Hurlbut. 2,636,146, Apr. 21.
Ion selector. A. O. C. Nier. 2,660,677, Nov. 24.
Ion source. R. W. Thompson. 2,624,845, Jan. 6.
Ion source unit. J. D. Gow and J. S. Foster. 2,636,990, Apr. 28.
Ion therapy device comprising a hand electrode. G. J. C. Andersen. 2,659,372, Nov. 17.
Ion trap. G. J. Mucher. 2,663,815, Dec. 22.
Ion trap. L. J. Patla. 2,642,546, June 16.
Ion-trap cathode-ray tube. K. A. Hoagland. 2,637,828, May 5.
Ion trap gun. D. D. Van Ormer. 2,661,436, Dec. 1.
Ionization chamber circuit. D. K. Froman, W. H. Hinch, and R. J. Watts. 2,651,726, Sept. 8.
Ionization gauge. K. M. Simpson. 2,643,342, June 23.
Ionizing radiation movable detecting device. R. Chaminade. 2,645,722, July 14.
Iron: *See*—
Abrasion and corrosion resistant white cast iron. Handy iron.
Cast iron. Illuminated electric iron.
Electric iron. Lithium treated cast iron.
Electric soldering iron. Steam iron.
Electric steaming and pressing iron. Waffle iron.
Iron. G. E. Kanta. 2,660,821, Dec. 1.
Iron and heating element therefor, Electric waffle. H. H. Miller. 2,635,169, Apr. 14.
Iron bending machine. W. H. Mann and E. V. Schmidt. 2,656,872, Oct. 27.
Iron catalyst for the hydrogenation of carbon monoxide. W. Rottig. 2,628,969, Feb. 17.
Iron cement in powder form, Producing. V. Trief. 2,632,711, Mar. 24.
Iron-containing base coated with nickel-phosphorus alloy. G. J. Horvitz. 2,633,631, Apr. 7.
Iron fluoride-manganese fluoride aromatizing catalyst. F. R. Hurley. 2,624,713, Jan. 6.
Iron-group impregnated adsorbent in adsorption process. C. H. O. Berg, H. C. Reed, and F. L. Hartley. 2,632,528, Mar. 24.
Iron oxide and titanium tetrachloride from titaniferous iron ores, Producing. L. W. Rowe and R. P. Smith. 2,657,976, Nov. 3.
Iron oxide from ferrous solutions, Production of. C. C. Clarke. 2,656,282, Oct. 20.
Iron oxide pigments, Making. G. E. Noponen. 2,634,193, Apr. 7.
Iron-phosphorus brazing compact. B. A. Daley. 2,661,282, Dec. 1.
Iron post base, Adjustable angle. T. Sato. 2,635,844, Apr. 21.
Iron nitride catalysts in carbon oxide hydrogenations. R. B. Anderson and J. F. Shultz. 2,629,728, Feb. 24.
Iron shear and separator. J. A. Ross. 2,638,985, May 19.
Iron sponge from iron ore, Production of. F. Totzek. 2,650,160, Aug. 25.
Iron supporting linkage. E. E. Foster. 2,644,255, July 7.

Ironwork structure, Ornamental. P. C. Lindman. 2,655,345, Oct. 13.
Ironer unit. W. F. Scott. 2,633,033, Mar. 31.
Ironer unit. T. R. Smith. 2,632,967, Mar. 31.
Ironing aid and textile refinishing composition. J. G. Wiegerink, Sr. 2,645,584, July 14.
Ironing board. J. C. Cave, Jr. 2,652,646, Sept. 22.
Ironing board and bench, Combination. J. F. Roberts. 2,649,137, Aug. 18.
Ironing board and iron support, Foldable. E. E. Foster. 2,661,553, Dec. 8.
Ironing board and support therefor. R. Poll. 2,629,950, Mar. 3.
Ironing board attachment. S. Millman. 2,636,295, Apr. 28.
Ironing board cover. G. M. and M. W. Emmett. 2,644,257, July 7.
Ironing board holder. W. G. Michel. 2,639,879, May 26.
Ironing board mounting structure. M. R. Hull. 2,658,294, Nov. 10.
Ironing device, Shoe bottom. F. N. Lee. 2,654,903, Oct. 13.
Ironing machine. B. L. G. Newnham. 2,643,473, June 30.
Ironing machine. H. A. Sperlich. 2,648,147, Aug. 11.
Ironing machine, Flatwork. E. J. Howlett. 2,652,644, Sept. 22.
Ironing machine, Hat flange. W. McGinnis. 2,630,946, Mar. 10.
Ironing machine, Laundry. H. C. A. Zwaard. 2,657,483, Nov. 3.
Ironing machine, Multiple. J. H. Leef. 2,632,965–6, Mar. 31.
Ironing machine, Multiple. J. H. Leef. 2,662,315, Dec. 15.
Ironing machine with reciprocating ironing shoe. H. H. Babcock. 2,624,135, Jan. 6.
Ironing press apparatus for clothes, textile fabrics, or the like. P. J. Drain. 2,656,626, Oct. 27.
Ironing stand. J. H. W. Lewis. 2,654,968, Oct. 13.
Ironing stand with iron support, Portable. J. H. W. Lewis. 2,645,045, July 14.
Ironing table. H. E. Hortman, Jr. 2,662,319, Dec. 15.
Ironing table. K. B. Olander. 2,663,101–2, Dec. 22.
Irradiating liquids, Method and apparatus for. J. F. Postell. 2,636,991, Apr. 28.
Irregularity detecting apparatus for web and strand material. V. T. Fahringer. 2,636,952, Apr. 28.
Irrigating device, Sprinkler type. H. E. Reinecke. 2,650,132, Aug. 25.
Irrigating system conduit joint. H. Warp. 2,631,869, Mar. 17.
Irrigation apparatus. E. H. Willetts. 2,652,282, Sept. 15.
Irrigation border dam forming machine. A. Nikkel. 2,625,092, Jan. 13.
Irrigation dam, Portable. W. D. Sell. 2,655,791, Oct. 20.
Irrigation dam stick. J. T. Kanemoto. 2,636,353, Apr. 28.
Irrigation ditch block. G. Reismann. 2,642,723, June 23.
Irrigation ditch demosser and cleaner. Z. W. Merkley and W. Nichols. 2,648,940, Aug. 18.
Irrigation flume outlet. R. L. Wold. 2,656,682, Oct. 27.
Irrigation machine. J. F. Maggart. 2,628,863, Feb. 17.
Irrigation valve. H. E. Bonander and P. A. Backman. 2,646,076, July 21.
Irrigator. H. L. Thomas. 2,644,719, July 7.
Isodurene manufacture. A. P. Lien and D. A. McCaulay. 2,659,762, Nov. 17.
Isocinchomeronic acid, Preparation of. H. H. Herring, Jr. 2,657,207, Oct. 27.
Isocyanate dimers as color forming intermediates. O. Stallmann and E. O. Langerak. 2,643,250, June 23.
Isocyanate modified polymers. N. V. Seeger. 2,625,531–2, Jan. 13.
Isocyanate, Preparing an. F. C. Schaefer and E. K. Drechsel. 2,640,068, May 26.
Isocyanates and products prepared therefrom and making the same. V. P. Wystrach. 2,647,884, Aug. 4.
Isolating caramel coloring compounds. J. E. Cleland and J. B. Longnecker. 2,637,655, May 5.
Isolating tube. R. E. Bletcher. 2,657,703, Nov. 3.
Isolation and purification of streptomycin phosphate. D. L. Johnson. 2,643,997, June 30.
Isolation of cholesterol from wool wax alcohols. C. L. Hewett. 2,650,929, Sept. 1.
Isolation of flavanone glucosides. E. M. Burdick and R. H. Maurer. 2,630,432, Mar. 3.
Isolation of 2,4-diaminopteridines. J. A. Schmitt. 2,647,898, Aug. 4.
Isomerization and separation of xylenes. G. Holzman and G. M. Good. 2,656,397, Oct. 20.
Isomerization of alkyl vinyl ethers. D. C. Hull and H. J. Hagemeyer, Jr. 2,642,460, June 16.
Isomerization of alkylene oxides. M. O. Robeson and R. A. Springer. 2,660,609, Nov. 24.
Isomerization of xylenes. D. A. McCaulay and A. P. Lien. 2,662,925, Dec. 15.
Isomerization process. H. J. Hepp. 2,661,384, Dec. 1.
Isomerizing paraffins with aluminum halides and cisdecalin, Method of. F. E. Condon. 2,629,754, Feb. 24.
Isooctanes from cyclopropane and isobutane, Production of. M. P. Matuszak. 2,632,031, Mar. 17.
Isoolefin polyolefin interpolymer derivatives and compositions comprising the same. R. A. Crawford and R. T. Morrissey. 2,631,984, Mar. 17.
Isophthalic acid, Production of. R. M. Cavanaugh, C. B. Flack, and R. H. Weir. 2,647,141, July 28.
Isopropenyl esters, Preparing. J. B. Dickey and T. E. Stanin. 2,646,437, July 21.
Isopropenylbiphenyl. R. R. Seymour and D. T. Mowry. 2,634,302, Apr. 7.
Isopropyl alcohol process. A. P. Giraitis and M. C. Fuqua. 2,657,243, Oct. 27.
Isopropylbenzene treatment. G. G. Joris. 2,629,744, Feb. 24.
Isoquinolyl heterocyclic ethers. J. W. Wilson, III, and G. E. Ullyot. 2,640,829, June 2.
Isothiuronium salt of penicillin. R. Hiltmann and K. Bauer. 2,661,359, Dec. 1.
Isotope separating apparatus. W. E. Parkins. 2,647,213, July 28.
Itaconic acid, Production of. V. F. Pfeifer, G. E. N. Nelson, C. Vojnovich, and L. B. Lockwood. 2,657,173, Oct. 27.
Item retaining mechanism for accounting machines. W. A. Anderson. 2,655,312, Oct. 13.
Item, total, and repeated registration control mechanism. R. Gourdon. 2,651,462, Sept. 8.
Jack: *See*—
Automobile bumper guard jack. Press safety jack.
Automobile jack. Pressure responsive automobile jack.
Automobile transmission handling jack. Railroad car moving jack.
Building jack. Scaffold erecting ladder jack.
Hydraulic jack. Telescoping piston type lifting jack.
Ice fishing jack. Trailer attached jack.
Lifting jack. Transmission jack.
Permanently mounted motor vehicle jack. Walking jack.
Jack. P. E. Lichty and C. B. Houseworth. 2,625,369, Jan. 13.
Jack. C. W. Lincoln, G. G. Kearful, and D. A. Galonska. 2,663,542, Dec. 22.
Jack. H. B. Neis and R. W. Wood. 2,657,009, Oct. 27.
Jack bracket. De M. B. Perkins. 2,650,055, Aug. 25.
Jack for oil wells, Auxiliary. I. C. Nourse. 2,645,454, July 14.
Jack shaft assembly with dado adapter for portable electric saws, Two-way. T. W. Kluck. 2,646,090, July 21.
Jack spring having spaced loops of different diameters. A. Mouw. 2,633,902, Apr. 7.
Jack storage structure. N. T. Kelley. 2,631,766, Mar. 17.
Jack tripod base. R. E. Sykes and J. A. Neuwirth. 2,625,352, Jan. 13.
Jack unit for electric circuits, Portable. J. L. Michaelis. 2,649,510, Aug. 18.
Jacking system, Hydraulic. R. Verch, Sr. 2,630,787, Mar. 10.
Jacket for jet injection ampoules. R. P. Scherer. 2,645,338, July 14.
Jacket for phonograph records. R. A. Froehlig. 2,628,619, Feb. 17.
Jacket for toilet flush tanks, Insulating. C. A. Madson. 2,651,052, Sept. 8.
Jacket for water-cooled tubes. W. C. Schmitt. 2,657,019, Oct. 27.
Jacket, Golf. J. F. Revolta. 2,659,890, Nov. 24.
Jacket, Life. L. P. Frieder, T. H. Garber, and E. G. Baker. 2,629,116, Feb. 24.
Jacket, Life, having eccentrically positioned flotation material. L. P. Frieder and T. H. Garber. 2,629,117, Feb. 24.
Jacket, Orthopedic. R. D. Kennedy. 2,632,178, Mar. 24.
Jacketed valve. E. W. Kaiser. 2,649,769, Aug. 25.
Jacquard. J. Ashworth and A. Firth. 2,660,202, Nov. 24.
Jacquard mechanism and process. J. H. Harding. 2,649,862, Aug. 25.
Jalousie assembly for building construction. W. M. and C. E. Jordan. 2,640,569, June 2.
Jalousie operator. D. H. McGogy. 2,662,623, Dec. 15.
Jar and container with follower resting on a vertical column, Cold cream and chemical cream dispensing. T. J. Newlyn. 2,628,743, Feb. 17.
Jar and equalizer, Combination. D. M. Linney. 2,659,576, Nov. 17.
Jar and the like holder, Fruit. M. C. Land and M. Kimbell. 2,655,824, Oct. 20.
Jar capping apparatus. J. Bowen. 2,638,258, May 12.
Jar clip. I. A. Burger. 2,633,323, Mar. 31.
Jar cover wrench. J. J. Panik. 2,630,031, Mar. 3.
Jar-handling equipment for capping machines. A. H. Filander. 2,656,084, Oct. 20.
Jar, Hydraulic. W. N. Sutliff. 2,645,459, July 14.
Jar, Rotary. G. P. Ellis. 2,636,718, Apr. 28.
Jar sealing. A. Heitmann. 2,657,847, Nov. 3.
Jar top remover with resilient cap engaging member, V. H. Goldsmith. 2,645,957, July 21.
Jar unscrambler and inverter. C. E. Dascomb. 2,663,401, Dec. 22.

Jaw arm for winding machines. W. E. Aulen. 2,646,230, July 21.
Jaw construction for bench vise. G. C. Strange. 2,633,767, Apr. 7.
Jaw control for chuck devices. M. H. Emrick. 2,662,774, Dec. 15.
Jaw crusher. H. L. Barber and G. L. Sellars. 2,626,759, Jan. 27.
Jaw crusher with opposed jaws driven by unbalanced weights. G. Linke. 2,652,985, Sept. 22.
Jaw crushing apparatus. N. H. Bogie. 2,631,785, Mar. 17.
Jaw for clamping fixtures on workbenches, Adjustable. H. E. Clauss. 2,652,080, Sept. 15.
Jaw for wrenches, Replaceable. A. J. Matter. 2,645,146, July 14.
Jaw keying means for chuck devices. L. Irrgang. 2,656,193, Oct. 20.
Jaw trap latch dog bracket pan assembly and delayed-action guard. W. J. Bruske. 2,645,876, July 21.
Jet action carburetor. R. F. Morgan. 2,625,469, Jan. 13.
Jet combustion device embodying pretreatment of fuel before combustion. D. P. Heath. 2,628,475, Feb. 17.
Jet combustion fuel. J. M. Godsey. 2,645,569, July 14.
Jet combustion fuel. J. M. Godsey. 2,647,046, July 28.
Jet deflector to compensate for destabilizing moment in a jet aircraft, Movable. J. Jonas. 2,654,552, Oct. 6.
Jet exhaust augmenter, Variable capacity. J. G. Lee. 2,648,192, Aug. 11.
Jet fuel, containing t-butyl thiophene. J. M. Godsey. 2,645,568, July 14.
Jet, Multiple tail pipe. W. L. Tenney and C. B. Marks. 2,633,703, Apr. 7.
Jet propeller for aircraft propulsion, Explosion-cycle. J. D. Stanitz. 2,651,376, Sept. 8.
Jet propulsion and boundary layer control means. A. Douglas. 2,657,881, Nov. 3.
Jet-propulsion mechanism. H. S. G. Svenson. 2,633,922, Apr. 7.
Jet propulsion parts, Manufacturing. K. M. Bartlett. 2,633,628, Apr. 7.
Jet pump. B. C. Boeckeler. 2,632,597, Mar. 24.
Jet spoiling means for aircraft gas turbines. A. R. D. Robson and A. P. Johnstone. 2,637,164, May 5.
Jet turbine engine fuel, including methanol and isopropanol. B. B. Russell, 3rd and N. H. Rickles. 2,662,817, Dec. 15.
Jet type perforating unit. W. G. Sweetman. 2,629,325, Feb. 24.
Jet vane, Laminated. M. C. Sanz and J. Castelfranco. 2,644,296, July 7.
Jewel bearing and making same. A. Bulova. 2,645,078, July 14.
Jewel setting device, Electric. W. H. Delbrook. 2,636,971, Apr. 28.
Jewel setting machine. T. H. Hardy and A. F. Richards. 2,631,281, Mar. 17.
Jewelry box. S. Tylon. 2,635,743, Apr. 21.
Jewelry cleaner. C. E. Eggleton. 2,627,276, Feb. 3.
Jig. N. E. Cook. 2,655,821, Oct. 20.
Jig. E. Janowski. 2,642,918, June 23.
Jig. W. C. Steinmetz. 2,653,715, Sept. 29.
Jig boring fixture, Portable. J. B. Davis. 2,636,404, Apr. 28.
Jig for drilling and the like, Universal. W. H. Johnson. 2,634,632, Apr. 14.
Jig for drilling key lewis slots. F. E. Aspelin. 2,661,929, Dec. 8.
Jig for mortising doors and jambs. C. C. Jarrett and M. N. Griswold. 2,659,159, Nov. 17.
Jig saw. D. D. Beebe. 2,660,206, Nov. 24.
Jigsaw blade, Saber type. A. Norquist. 2,635,652, Apr. 21.
Jigsaw hold-down foot and blade guide. B. W. Hulfish. 2,654,405, Oct. 6.
Jigsaw with drive of Scotch yoke type. B. W. Hulfish. 2,635,651, Apr. 21.
Jigging apparatus. E. Harvengt. 2,638,214, May 12.
Jog feeder for books. W. B. Hildmann. 2,645,327, July 14.
Jogger. R. C. Line, Jr. 2,629,592, Feb. 24.
Jogging device for piled sheets. N. Gjostein. 2,626,147, Jan. 20.
Joining copper members. L. Pessel. 2,657,458, Nov. 3.
Joining plastic elements. W. K. Smith. 2,647,072, July 28.
Joining press. W. E. Jones and G. A. Nielsen. 2,648,361, Aug. 11.
Joining sections of strip for a uniform-speed continuous-feed strip-treating line. J. I. Greenberger. 2,662,271, Dec. 15.
Joining sheet metal or the like. J. Pfistershammer. 2,663,072, Dec. 22.
Joining thin metallic sheets. H. S. Orr and A. Teplitz. 2,641,674, June 9.
Joining together glass pipe sections. A. S. Berg and A. N. Goreglad. 2,632,942, Mar. 31.
Joining together the ends of thin-walled aluminum heat exchange tubes. W. H. Geddes, G. G. Karlson, and M. Werensky. 2,646,620, July 28.
Joint: *See*—
Ball and socket joint.
Ball joint.
Blind riveted joint.
Building wall corner joint.
Combination jar and safety joint.
Combination knee and ankle joint.
Connecting rod joint.
Doll or manikin joint.
Dual hydraulic swivel joint.
Expansion joint.
Exposed seat universal joint.
Flange pipe joint.
Flanged rubber joint.
Fluid-tight joint.
Folding rule joint.
Friction joint.
High-temperature expansion joint.
Hinge joint.
Insulated rail joint.
Irrigating system conduit joint.
Knuckle joint.
Link rod joint.
Microwave rotatable joint.
Nested ball seat universal joint.
Oblique rail joint.
Pipe joint.
Pressure-tight tube joint.
Rail joint.
Railroad joint.
Rope and cable joint.
Rotary joint.
Rotary lock joint.
Sealed telescopic pipe joint.
Sealed universal ball bearing joint.
Self-draining pipe joint.
Structural joint.
Structural rod joint.
Swivel joint.
Timber truss joint.
Tool joint.
Universal joint.
Wave guide elbow joint.
Wave guide joint.
Wear resistant tool joint.
Joint. R. V. Moran. 2,663,584, Dec. 22.
Joint and assembling the same. S. Fox. 2,664,320, Dec. 29.
Joint and forming same, Eyelet. S. L. Gookin. 2,630,935, Mar. 10.
Joint and lock, Leg brace. J. M. Hauser and B. M. Snow. 2,632,440, Mar. 24.
Joint assembly. J. H. Booth. 2,645,510, July 14.
Joint assembly, Angular tubular. R. S. Colley. 2,647,000, July 28.
Joint bar device. A. L. Guille. 2,651,243, Sept. 8.
Joint between channel members. R. Henderson. 2,661,083, Dec. 1.
Joint between metal members. E. Clerk. 2,632,535, Mar. 24.
Joint connection. M. Levine. 2,657,439, Nov. 3.
Joint construction for angular members. F. M. Crook. 2,635,308, Apr. 21.
Joint construction for paving slabs. W. E. White. 2,627,793, Feb. 10.
Joint construction in a segmented inflatable fabric member. R. L. Miller. 2,663,659, Dec. 22.
Joint construction, Sash corner. C. A. Pressnall. 2,640,567, June 2.
Joint construction, Universal. C. L. Garrison. 2,641,115, June 9.
Joint core, Square corner. G. G. Somerville. 2,632,798, Mar. 24.
Joint enclosure, Expansion. E. W. Kaiser. 2,650,111, Aug. 25.
Joint for a spreader for an extension stepladder. D. O. Foshee. 2,633,376, Mar. 31.
Joint for chromium alloy gas turbine structures, Soldered. E. C. Rhodes and D. W. Rhys. 2,654,946, Oct. 13.
Joint for coaxial electrical cables. R. C. Mildner and C. E. C. Lovelace. 2,657,252, Oct. 27.
Joint for coaxial lines, Expansion. E. J. Bernet. 2,644,028, June 30.
Joint for demountable furniture. G. W. Anderson. 2,636,229, Apr. 28.
Joint for filter unit for suction cleaners. J. E. Vance. 2,641,486, June 9.
Joint for folding rules. N. H. Proctor. 2,655,730, Oct. 20.
Joint for leg braces, Self-locking and unlocking pivot. E. and V. A. Swiech. 2,646,793, July 28.
Joint for oil-filled cables, Stop. E. Sesini and M. Pierazzuoli. 2,650,260, Aug. 25.
Joint for pavements and the like, Expansion. H. K. Martin. 2,632,367, Mar. 24.
Joint for roofing or like sheets. P. E. McCullough. 2,654,328, Oct. 6.
Joint for smooth-surfaced pipes. A. E. Osborn. 2,635,901, Apr. 21.
Joint for steering parts on automobiles having independent front wheel suspension. H. T. Cottrell. 2,658,772, Nov. 10.
Joint for steering parts on vehicles having independent front wheel suspension, Pivotal. H. T. Cottrell. 2,628,109, Feb. 10.
Joint for surgical instruments. C. Cristofv. 2,632,661, Mar. 24.
Joint for tire inflation, Lubricated rotary. G. Gozzoli. 2,657,731, Nov. 3.
Joint for transmission shafts of motor vehicles, Resilient. A. Mosso and V. Montanari. 2,659,219, Nov. 17.
Joint for use in drop hammers. R. E. Cernea. 2,634,142, Apr. 7.
Joint, Making. J. M. Baggott. 2,662,045, Dec. 8.
Joint of dissimilar metals, Welded. P. M. Brister and L. F. Kooistra. 2,639,363, May 19.
Joint or coupling between tank ball and lift rod. P. Hertzberg. 2,639,438, May 26.
Joint structure, Adjustable. N. Swerdlow and H. L. Chamberlain. 2,656,201, Oct. 20.

Joint structure, Extensible. P. Rosenberg. 2,639,789, May 26.
Joint structure for metal tubing. E. C. Booth. 2,645,276, July 14.
Jointed handle. J. A. Bitzer and E. N. Wolstmann. 2,653,840, Sept. 29.
Jointer attachment for portable eelctric drills. J. J. Konopa. 2,649,874, Aug. 25.
Jointer bed structure. W. B. Boice. 2,635,654, Apr. 21.
Jointer for circular saws. O. C. Styles. 2,642,758, June 23.
Jointer knife setting gauge. H. R. McCormick. 2,641,847, June 16.
Joints between lead and brass pipes, Making. V. Collins. 2,632,943, Mar. 31.
Joints, Making expansion. J. P. Zallea. 2,631,640, Mar. 17.
Joints, Making fused. A. L. Stone. 2,662,277, Dec. 15.
Joints, Making universal. F. W. Sampson. 2,628,416, Feb. 17.
Joist, Adjustable. A. S. T. Lagaard. 2,626,688, Jan. 27.
Joists, Manufacture of fabricated. R. C. Macomber. 2,662,272, Dec. 15.
Jolly balance. E. F. Linhorst. 2,650,494, Sept. 1.
Jolt and draw foundry machine. L. C. Young. 2,652,607, Sept. 22.
Journal assembly. J. W. Wakley. 2,650,142, Aug. 25.
Journal bearing. R. N. Sabee. 2,652,292, Sept. 15.
Journal bearing. S. W. Wright and P. P. Love. 2,661,254, Dec. 1.
Journal bearing lubricator. F. P. Tagliaferri and F. T. Gier. 2,657,958, Nov. 3.
Journal box. H. R. Reynolds. 2,631,902, Mar. 17.
Journal box. E. F. Wideman. 2,646,319, July 21.
Journal box impact head and dust guard structure. T. W. Potter. 2,637,604, May 5.
Journal box lid. E. H. Blattner. 2,624,642, Jan. 6.
Journal box lid. D. D. Bryant. 2,642,320, June 16.
Journal box lid. A. O. Buckius. 2,626,191, Jan. 20.
Journal box lid. A. O. Buckius. 2,642,319, June 16.
Journal box lubricator. W. J. Sockell. 2,657,959, Nov. 3.
Journal lubricator. R. J. Harkenrider. 2,640,740–1, June 2.
Jug, Picnic. J. D. Brown. 2,655,255, Oct. 13.
Juice extracting device, Fruit. R. W. Walker. 2,664,042, Dec. 29.
Juice extracting method and apparatus, Citrus fruit. R. Polk, Sr., and R. Polk, Jr. 2,649,731, Aug. 25.
Juice separator. C. Harden. 2,644,393, July 7.
Juicer, Drum type orange. K. K. Hudson. 2,659,298, Nov. 17.
Juicer, Fruit. A. W. Johnson. 2,624,271, Jan. 6.
Jump bite trap. D. Cuvillier. 2,632,974, Mar. 31.
Jumper, Baby. W. W. and L. W. Call. 2,645,271, July 14.
Justifying apparatus for use in typographical photocomposing machines. H. R. Freund. 2,645,168, July 14.
Justifying compositor. H. B. Ackerman. 2,632,548, Mar. 24.
Keeper mechanism. W. A. Endter. 2,642,301, June 16.
Kelly drive bushing stabber. R. R. Crookston. 2,634,100, Apr. 7.
Kerf-boring machine for mining coal and like minerals. J. Yarmak. 2,637,542, May 5.
Kerf cutterhead mechanism for mining machines. A. L. Lee. 2,645,470, July 14.
Kerf cutting mining machine, including mechanism for removing kerf cuttings therefrom. S. C. Moon. 2,653,807, Sept. 29.
Kerosene finishing process. L. J. Blatz. 2,651,594, Sept. 8.
Keto acetal compounds and their preparation. D. I. Weisblat and B. J. Magerlein. 2,631,164, Mar. 10.
Keto aldehydes, Preparation of. W. S. Emerson and R. I. Longley, Jr. 2,624,764, Jan. 6.
Ketosilanes. L. H. Sommer. 2,635,108, Apr. 14.
Ketosiloxanes. L. H. Sommer. 2,662,910, Dec. 15.
Ketone-aldehyde-phenol-aldehyde potentially reactive resinous composition. G. K. Vogelsang. 2,634,249, Apr. 7
Ketone condensation products of bisphenyl type compounds. D. W. Young, D. L. Cottle, and W. F. Fischer. 2,625,568, Jan. 13.
Ketone-diarylamine condensates, Preparation of. I. Mankowich. 2,650,252, Aug. 25.
Ketone-diarylamine condensates, Preparation of. I. Mankowich. 2,657,236, Oct. 27.
Ketone-diarylamine condensates, Preparation of. I. Mankowich. 2,663,734, Dec. 22.
Ketones, Production of. L. Schmerling. 2,658,919, Nov. 10.
Kettle for cheese curd, Mixing. K. Zeller and K. Lenz. 2,650,079, Aug. 25.
Key, Adjustable. C. J. Borda. 2,655,029, Oct. 13.
Key and emergency brake reminder mechanism, Combined ignition. J. F. Feyes. 2,642,145, June 16.
Key blank, Bimetallic. H. Abrams. 2,653,492, Sept. 29.
Keyboard. H. P. Luhn. 2,642,226, June 16.
Keyboard, Calculating machine. L. B. Taylor. 2,628,030, Feb. 10.
Keyboard clearing mechanism. H. Gang. 2,636,679, Apr. 28.
Keyboard, Composite. R. B. Johnson. 2,641,320, June 9.
Keyboard construction for check writers, etc. J. Whitaker. 2,639,663, May 26.
Keyboard controller, Alphabetic. J. M. Cunningham and A. F. Smith. 2,654,812, Oct. 6.
Keyboard instrument control. A. E. Murray. 2,636,413, Apr. 28.
Keyboard interlock. H. T. Avery. 2,650,027, Aug. 25.
Keyboard mechanism for teletypewriters. D. E. Branson. 2,644,038, June 30.
Keyboard mechanism of the power-operated type. R. H. Turner. 2,651,406, Sept. 8.
Keyboard, Pedal. M. H. French. 2,625,070, Jan. 13.
Keyboard, Photoelectric. W. S. Oliwa. 2,641,753, June 9.
Keyboard steadying device for accordions and similar instruments. A. Montenare. 2,663,210, Dec. 22.
Keyboard, Touch-responsive. E. J. Quinby and W. S. Oliwa. 2,659,533, Nov. 17.
Key case. C. E. Anderson. 2,656,871, Oct. 27.
Key case. E. N. Genovese. 2,633,734, Apr. 7.
Key case. J. H. Hoag. 2,652,712, Sept. 22.
Key case. J. J. Majeski. 2,640,347, June 2.
Key case. C. A. Ribbing. 2,627,743, Feb. 10.
Key check and matchbook holder. D. O. Ford. 2,628,712, Feb. 17.
Key, Container. J. Breeze. 2,656,065, Oct. 20.
Key container. D. Hill. 2,657,569, Nov. 3.
Key container. J. S. Nicholson. 2,634,509, Apr. 14.
Key container holder plate and retaining loop. G. Boden and M. V. Duell. 2,633,733, Apr. 7.
Key cutting machine. H. Abrams. 2,626,663, Jan. 27.
Key duplicating machine. L. Sejarto and S. J. Stoll. 2,645,978, July 21.
Key ejecting device. C. Glubiak. 2,659,231, Nov. 17.
Key ejector, Automatic. G. E. St. John. 2,655,569, Oct. 13.
Key for dispensing tubes, Winding. R. L. Young. 2,633,270, Mar. 31.
Key hanger support for key cases. C. E. Morrell. 2,657,568, Nov. 3.
Keyhole cover for lock caps. A. M. Malouf. 2,660,877, Dec. 1.
Keyhole finder, Novelty. H. W. Sellwood. 2,632,266, Mar. 24.
Keyhole illuminator. C. I. Blackburn and K. H. Percy. 2,661,417, Dec. 1.
Key holder. G. R. Ashley. 2,635,665, Apr. 21.
Key holder. E. G. Dimond. 2,625,190, Jan. 13.
Key holder. A. N. Hanna. 2,648,215, Aug. 11.
Key holder. J. R. Harrison, Jr. and W. Dian. 2,637,994, May 12.
Key, Implement handle securing. J. E. Girard. 2,661,252, Dec. 1.
Key-in-knob lock. H. Quigley. 2,642,735, June 23.
Key insignia printer. R. E. Skow. 2,625,102, Jan. 13.
Key lever and type bar mounting for typewriting machines. W. M. Patton. 2,661,087, Dec. 1.
Key locked slidable bolt fastening for attaché and suitcases and the like. C. W. Cheney. 2,641,123, June 9.
Key locked slidable bolt fastening for attaché and suitcases and the like. C. W. Cheney. 2,642,734, June 23.
Key mechanism for alto and bass clarinets. L. Leblanc. Re. 23,725, Oct. 20.
Key mechanism for alto and bass clarinets. L. Leblanc. 2,627,776, Feb. 10.
Key mechanism for typewriters, Silent. A. C. Zeamer. 2,633,223, Mar. 31.
Key member to prevent accidental release of a fluorescent tube from its socket. L. J. Sklenar. 2,661,462, Dec. 1.
Key operated switch. C. G. Cerna and J. A. Arevalo. 2,662,131, Dec. 8.
Key-operated type positioning device. W. F. Koch. 2,656,787, Oct. 27.
Key operating means for computing machines. H. C. Fox. 2,656,980, Oct. 27.
Key plug for spectator announcement systems for public events. E. R. and R. E. Mellinger and D. B. Howard. 2,663,850, Dec. 22.
Key readily removable from and replaceable onto a key ring. T. H. Johnstone. 2,633,012, Mar. 31.
Key receiver and time checking apparatus. E. F. Kopecky. 2,647,031, July 28.
Key retainer. O. S. Elliff. 2,624,192, Jan. 6.
Key retainer. A. Schwalberg. 2,629,251, Feb. 24.
Key retainer. K. F. Sonntag. 2,628,492, Feb. 17.
Key retainer, Draft. F. H. Pletzsch. 2,653,505, Sept. 29.
Key ring hanger. J. L. De Grafft, Jr. 2,634,470, Apr. 14.
Key ring holder. A. N. Hanna. 2,648,216, Aug. 11.
Key selector and container. O. Seely. 2,634,000, Apr. 14.
Key selector mechanism in printing machines. A. J. Johnston. 2,651,253, Sept. 8.
Key-set-key-responsive calculating machine. G. W. Hopkins and D. L. Rolph. 2,660,374, Nov. 24.
Key slot plug. D. N. Michnoff and C. M. Palmer. 2,662,390, Dec. 15.
Key support. R. C. Legat and E. Baretta. Re. 23,666, June 9.
Key touch regulating mechanism for typewriting machines. A. C. Zeamer. 2,624,439, Jan. 6.
Keyed automatic frequency control system for television receivers. N. W. Parker. 2,632,050, Mar. 17.
Keyed automatic gain control. K. K. Wendt. 2,637,772, May 5.
Keyed automatic gain control. F. A. Wissel and N. W. Parker. 2,636,939, Apr. 28.

Keyed automatic gain control and synchronizing signal separator. B. S. Vilkomerson and C. W. Hoyt. 2,632,802, Mar. 24.
Keyed automatic gain control with keying pulse limiter. K. R. Wendt. 2,654,799, Oct. 6.
Keyed noise-clipping circuit. J. Avins. 2,637,774, May 5.
Keying apparatus, Settable. J. R. MacKay. 2,627,590, Feb. 3.
Keying device. F. T. Blackman. 2,657,082, Oct. 27.
Keying device. W. F. Jones. 2,628,113, Feb. 10.
Keying mechanism for clarinets. L. F. Sutter. 2,633,048, Mar. 31.
Keying system. T. H. Chambers. 2,655,595, Oct. 13.
Keyless tumbler lock. W. W. Hurtel. 2,637,195, May 5.
Kicking tee. Extra point and field goal. N. E. McGowen. 2,659,604, Nov. 17.
Kickout device. S. Findlater. 2,650,694, Sept. 1.
Killing plants. P. W. Zimmerman and A. E. Hitchcock. 2,626,862, Jan. 27.
Killing weeds. F. L. Stark, Jr. 2,629,655, Feb. 24.
Kiln. V. J. Azbe. 2,653,809, Sept. 29.
Kiln. P. Howden. 2,650,814, Sept. 1.
Kiln. H. Struckmann. 2,657,033, Oct. 27.
Kiln lining. C. C. Brumbaugh. 2,635,865, Apr. 21.
Kiln, Portable. F. W. Fuger. 2,662,263, Dec. 15.
Kiln, Rotary internally-fired. A. W. Hayman. 2,633,347, Mar. 31.
Kinescope, Color. L. W. Parker. 2,643,352, June 23.
Kinescope, Masked target. H. B. Law. 2,663,821, Dec. 22.
Kinescope residual beam extinction circuit. R. J. Schipper and R. A. Stacy. 2,638,562, May 12.
Kit insert for automobile seats, Emergency. C. W. Geldbaugh. 2,633,905, Apr. 7.
Kitchen appliance, scraper-collector. A. M. Hess. 2,649,604, Aug. 25.
Kitchen machine. E. O. H. Hansson. 2,634,993, Apr. 14.
Kite. F. P. Bell. 2,648,508, Aug. 11.
Kite. J. A. Guercio. 2,631,798, Mar. 17.
Kite float for the head ropes of fishing nets. J. W. Phillips. 2,638,695, May 19.
Kite, Flying saucer. W. G. Bodell. 2,632,614, Mar. 24.
Klystron, Self-tuning. M. Garbuny. 2,650,324, Aug. 25.
Knee action dope hopper finger. E. R. Merritt. 2,659,103, Nov. 17.
Knee brace or stabilizer. A. L. Schultz. 2,641,761, June 16.
Knee crutch pad. J. H. Lampe and R. G. Watel. 2,625,453, Jan. 13.
Knee for rigid frames. C. H. Woodworth. 2,653,360, Sept. 29.
Knee guard or brace. R. O. S. Shook. 2,637,575, May 5.
Kneepad for wear. K. B. W. MacLellan. 2,652,565, Sept. 22.
Knife. P. Falcone. 2,632,949, Mar. 31.
Knife. H. Vossler. 2,637,102, May 5.
Knife-adjusting means for rotary shears. J. R. Lane. 2,660,242, Nov. 24.
Knife assembly. S. J. Folland. 2,651,839, Sept. 15.
Knife assembly for fruit slicers. V. Marusco. 2,645,262, July 14.
Knife blade assembly, Pivoted. F. E. Gruber. 2,625,738, Jan. 20.
Knife blade cutting edge. C. D. Whitcomb. 2,636,267, Apr. 28.
Knife, Cheese and butter. P. T. Champlin. 2,641,832, June 16.
Knife, Combination. D. T. Twiss. 2,653,382, Sept. 29.
Knife construction having a sliding blade. P. H. Unsinger. 2,662,284, Dec. 15.
Knife control for paper-cutting machines. W. C. Rupp. 2,654,429, Oct. 6.
Knife cradle. H. G. Mullins. 2,651,927, Sept. 15.
Knife, Cutter. W. C. Schmidt. 2,635,663, Apr. 21.
Knife, Expansible pipe-cleaning. R. F. Therrien. 2,628,380, Feb. 17.
Knife, Fisherman's. W. M. Cadwallader. 2,630,314, Mar. 3.
Knife, Folding pocket. T. Tveit. 2,624,939, Jan. 13.
Knife for carving leather and the like. R. E. Reynolds. 2,639,505, May 26.
Knife for food choppers, Cutting. F. S. Chopieska. 2,649,882, Aug. 25.
Knife, Grapefruit. D. S. Conklin. 2,637,899, May 12.
Knife having a removable guard, Butcher. J. J. Kalmon. 2,650,424, Sept. 1.
Knife having a replaceable blade. H. A. Springer. 2,637,904, May 12.
Knife having a reversible and retractable blade, Roofing. J. F. Soltow and A. W. Kozie. 2,650,422, Sept. 1.
Knife having thin removable cutting edge, Rotary. W. F. Koehler. 2,636,562, Apr. 28.
Knife having water discharging means, Paring. F. R. Barbee. 2,656,600, Oct. 27.
Knife, Metal cutting. F. Fournier. 2,631,372, Mar. 17.
Knife, Microtome. G. W. Jacoby, Jr. 2,643,579, June 30.
Knife, Microtome. G. W. Jacoby, Jr. 2,662,445, Dec. 15.
Knife, Multipoint removable blade. A. C. Ferguson. 2,662,287, Dec. 15.
Knife, Multisection veneer. C. Goodman and C. T. Miller. 2,652,869, Sept. 22.
Knife, Notched linoleum cutting. L. Mercy. 2,635,327, Apr. 21.
Knife, Razor blade pocket. R. H. Stead and W. E. Burns. 2,631,371, Mar. 17.
Knife, Reed. J. V. Isley. 2,624,098, Jan. 6.
Knife, Retractable pocket. C. E. Taylor and S. J. Gwoosh. 2,640,260, June 2.
Knife sharpener. W. P. Arnold. 2,647,351, Aug. 4.
Knife sharpening and grinding attachment. A. R. Johnson. 2,640,303, June 2.
Knife sharpening mechanism for rotary slicing machine knives. C. Klingens. 2,633,683, Apr. 7.
Knife, Stencil cutting. H. L. Baker. 2,650,143, Nov. 17.
Knife wiper and range cleaner, Combination. J. C. Paull. 2,648,858, Aug. 18.
Knitted article of hosiery. P. L. Thurston. 2,642,732, June 23.
Knitted articles, Producing full-fashioned. J. G. Sandri. 2,643,532, June 30.
Knitted ware and producing same. H. H. Holmes. 2,648,963, Aug. 18.
Knitting. I. H. C. Green. 2,626,516, Jan. 27.
Knitting. E. St. Pierre. 2,625,807, Jan. 20.
Knitting. E. St. Pierre. 2,635,441, Apr. 21.
Knitting. P. L. St. Pierre. 2,651,929, Sept. 15.
Knitting and other textile machines. J. E. Lynam. 2,655,801, Oct. 20.
Knitting device. M. Buxbaum and M. Lebensfeld. 2,656,690, Oct. 27.
Knitting device, Tubular. G. A. Carlson. 2,658,364, Nov. 10.
Knitting machine. P. W. Bristow. 2,627,740, Feb. 10.
Knitting machine. R. H. Lawson. 2,627,736, Feb. 10.
Knitting machine. R. H. Roughsedge and H. G. Lustig. 2,652,704, Sept. 22.
Knitting machine. S. R. Shelmire. 2,658,366, Nov. 10.
Knitting machine. A. Shortland. 2,650,487, Sept. 1.
Knitting machine. A. Shortland. 2,656,691, Oct. 27.
Knitting machine. M. B. Striar. 2,637,988, May 12.
Knitting machine. E. M. Zesch. 2,625,024, Jan. 13.
Knitting machine. M. Zimic and A. Miskovsky. 2,644,323, July 7.
Knitting machine. M. Zimic and A. Miskovsky. 2,653,460, Sept. 29.
Knitting machine and method. V. Lombardi. 2,626,513, Jan. 27.
Knitting machine and operating same, Circular multifeed hosiery. R. H. Lawson. 2,658,365, Nov. 10.
Knitting machine, Circular. J. G. Hanes, Jr., G. S. and G. E. Campbell. 2,644,325, July 7.
Knitting machine, Circular. E. F. Lund. 2,664,006, Dec. 29.
Knitting machine, Circular. E. F. Reichert. 2,627,172, Feb. 3.
Knitting machine, Hand. M. and I. Negri. 2,661,611, Dec. 8.
Knitting machine having a latch lifter and operating same, Circular. G. C. Parham. 2,639,596, May 26.
Knitting machine provided with a noiseless coupling, Double cylinder circular. B. Charvát. 2,640,338, June 2.
Knitting machine, Rectilinear warp. M. Vitek. 2,636,365, Apr. 28.
Knitting machine sinker controlling means. K. Howie. 2,647,382, Aug. 4.
Knitting machine, Straight bar. F. Lambach. 2,629,993, Mar. 3.
Knitting machine, Straight bar. A. P. Saunders. 2,629,994, Mar. 3.
Knitting machine, Straight bar. K. W. Wickardt. 2,649,703, Aug. 25.
Knitting machine, Straight bar. K. W. Wickardt. 2,655,800, Oct. 20.
Knitting machine tensioning device, Warp. C. J. Brown and T. F. Schwanda. 2,651,930, Sept. 15.
Knitting machine, Warp. H. Hartung, Sr. 2,650,486, Sept. 1.
Knitting machine, Warp. F. Lambach. 2,635,443, Apr. 21.
Knitting machine, Warp. F. Lambach. 2,645,106, July 14.
Knitting mechanism. V. Lombardi. 2,627,739, Feb. 10.
Knitting mechanism and method. V. Lombardi. 2,662,383, Dec. 15.
Knitting method and apparatus. W. A. Dostmann. 2,635,442, Apr. 21.
Knitting ribbon supporting device. J. L. Riess. 2,631,793, Mar. 17.
Knob. J. J. Bauman. 2,625,054, Jan. 13.
Knob and shaft connection. E. Nathan. 2,643,903, June 30.
Knob device, Differential. V. J. Coates. 2,658,395, Nov. 10.
Knob retaining device. T. F. Nelson. 2,634,992, Apr. 14.
Knockdown cabinet. S. T. Armour. 2,642,330, June 16.
Knockdown cabinet-type display table. J. B. Kelly, Jr. 2,651,557, Sept. 8.
Knockdown carrier. W. A. Ringler. 2,634,895, Apr. 14.
Knockdown chair. P. C. Curtis. 2,632,498, Mar. 24.
Knockdown chair. O. A. Reinhold. 2,660,228, Nov. 24.
Knockdown fuel tank. W. S. Fletcher. 2,661,115, Dec. 1.
Knockdown reversible hollow metal doorframe. K. B. Miller. 2,652,907, Sept. 22.
Knockdown shelving. P. C. Curtis. 2,656,045, Oct. 20.
Knockdown shipping container. W. T. Geyer, R. H. Learn, and L. W. Sult. 2,650,737, Sept. 1.

Knockdown streamlined container. G. A. Dean. 2,648,454, Aug. 11.
Knockdown table. E. J. Sauder. 2,650,147, Aug. 25.
Knockdown table. M. T. Ulrich. 2,638,394, May 12.
Knockoff and letback means for looms. W. J. Budzyna and W. H. Banks. 2,663,328, Dec. 22.
Knot and ¾. R. Sonnberger. 2,641,951, June 16.
Knot form. L. R. Thorpe. 2,663,023, Dec. 22.
Knot retainer. E. Torelli. 2,650,399, Sept. 1.
Knot tying. J. C. Leary. 2,646,298, July 21.
Knot tying mechanism. E. E. West. 2,661,230, Dec. 1.
Knuckle joint. E. L. McBride. 2,643,900, June 30.
Knurling and burnishing tool holder. M. J. Schlitters. 2,645,953, July 21.
Knurling device. C. F. Jones. 2,634,634, Apr. 14.
Knurling device. C. F. Jones. 2,654,273–6, Oct. 6.
Knurling machine. R. R. Teetor. 2,657,598, Nov. 3.
Knurling machine, Piston. H. P. Phillips. 2,651,953, Sept. 15.
Label affixing machine. J. J. Gregory. 2,643,498, June 30.
Label and washable container labeled therewith, Disintegrable. L. R. Nestor. 2,654,170–1, Oct. 6.
Label-applying device. D. D. Green. 2,635,235, Apr. 21.
Label applying machine. N. A. Zander. 2,641,377, June 9.
Label applying mechanism. G. W. von Hofe. Re. 23,668, June 16.
Label applying mechanism. G. W. von Hofe. 2,651,429, Sept. 8.
Label having pressure sensitive adhesive thereon, Price marking. F. K. Johnson. 2,636,297, Apr. 28.
Label machine. C. Ouelette. 2,646,184, July 21.
Label, Making a. C. M. Andrew. 2,662,033, Dec. 8.
Label, Medicine bottle. J. S. Cook and D. V. Whitney, Jr. 2,659,614, Nov. 17.
Label or hanging loop for garments, and forming and attaching the same. W. W. Cantrell. 2,634,422, Apr. 14.
Label package and dispenser. W. F. Spurr. 2,638,211, May 12.
Label pickup and printing machine. F. C. Worth. 2,627,809, Feb. 10.
Label stock, Heat-sealable. H. J. Kenneway, Jr. 2,633,432, Mar. 31.
Label structure. E. B. Brewster. 2,648,924, Aug. 18.
Labeling apparatus. R. S. Kafka. 2,656,063, Oct. 20.
Labeling machine. M. and D. H. Fairest. 2,635,765, Apr. 21.
Labeling machine. R. J. Newman and D. S. Friend. 2,639,831, May 26.
Labeling machine. E. Schirmer. 2,631,748, Mar. 17.
Labeling machine, Bottle. A. C. Everett. 2,657,816, Nov. 3.
Labeling polysaccharides with C^{14} and products resulting therefrom. H. S. Isbell. 2,653,931, Sept. 29.
Laboratory apparatus for demonstrating and interpreting gauge tests of wheels. G. H. Taber. 2,641,851, June 16.
Laboratory flash still for heavy oils. J. J. Piros. 2,642,386, June 16.
Lacquer composition containing a hydrocarbon derived resin. H. S. Bloch. 2,648,640, Aug. 11.
Lactone derivatives and making. W. J. McGraw. 2,624,723, Jan. 6.
Lactones, Preparation of. L. L. Crabalona. 2,652,406, Sept. 15.
Ladder. R. O. Balogh. 2,650,749, Sept. 1.
Ladder. H. M. Eisman. 2,632,592, Mar. 24.
Ladder. H. James. 2,641,401, June 9.
Ladder. P. A. Napiecinski. 2,647,676, Aug. 4.
Ladder and hinge members therefor, Foldable. B. E. Stapleton. 2,662,681, Dec. 15.
Ladder bracket. W. L. and H. R. Brensike. 2,637,517, May 5.
Ladder bracket. W. MacPherson. 2,663,484, Dec. 22.
Ladder construction. W. Sharrock. 2,656,087, Oct. 20.
Ladder construction. G. W. Tupper and O. N. Mertz. 2,620,532, Feb. 24.
Ladder, Extension. R. R. Salisbury. 2,636,659, Apr. 28.
Ladder, Flexible roof. F. P. Buechler. 2,628,011, Feb. 10.
Ladder, Flexible ship. T. Skolmen, G. G. Roberts, and J. G. Euson. 2,638,260, May 12.
Ladder for floating roof tanks. F. D. Moyer. 2,625,314, Jan. 13.
Ladder, Fruit gathering. E. J. Sattler. 2,658,601, Nov. 10.
Ladder, Hospital bed. A. N. Fitzgerald and B. C. Garrabrant. 2,659,902, Nov. 24.
Ladder operating mechanism. E. G. Humpal and R. O. Balogh. 2,654,524, Oct. 6.
Ladder, Railway car. K. F. Nystrom. 2,630,261, Mar. 3.
Ladder structure. R. E. Pierce. 2,639,853, May 26.
Ladder, Swingable vehicle attached. F. M. Davidson. 2,657,940, Nov. 3.
Ladder work platform. M. B. McClure. 2,641,511, June 9.
Lading tie anchoring means for application. M. S. Johnson. 2,660,130, Nov. 24.
Ladle construction. M. A. Milligan. 2,634,153, Apr. 7.
Ladle tipping mechanism. E. F. Schulze. 2,637,883, May 12.
Lady's cap. L. H. Stonestreet. 2,627,073, Feb. 3.
Lady's shoulder protector. K. L. Hookstratten. 2,654,887, Oct. 13.
Lag fuse. G. F. Laing. 2,657,294, Oct. 27.
Laminated bodies of cellulosic materials and product, Preparing. W. M. Bain. 2,637,675, May 5.
Laminated bowling pin. J. L. Stearns and C. H. Hoffman. 2,654,606, Oct. 6.
Laminated case construction, Making. F. S. Schade. 2,647,071, July 28.
Laminated coating. A. H. Du Rose and J. D. Little. 2,658,266, Nov. 10.
Laminated glass structure. G. B. Watkins. 2,659,686, Nov. 17.
Laminated metal circular and band saws. G. von der Werth. 2,624,381, Jan. 6.
Laminated-ring and multiple internal-roll mill. M. Frisch and G. C. Whitney, Jr. 2,644,643, July 7.
Laminated ring lead-in for electron discharge devices. E. J. Walsh. 2,656,404, Oct. 20.
Laminated sheet and making same. W. M. Scholl. 2,626,886, Jan. 27.
Laminated sheets of glass, Producing. F. W. A. Kurz. 2,652,660, Sept. 22.
Laminated structures, Manufacture of. E. G. Mitchell and D. B. Timberman. 2,662,270, Dec. 15.
Laminates, Manufacture of. J. C. Perry. 2,658,840, Nov. 10.
Laminating lenses. A. and M. Marks. 2,632,725, Mar. 24.
Laminating material and resulting product. G. B. Parsons and D. Depew. 2,642,370, June 16.
Lamp: *See*—

Adjustable bed lamp.
Arc lamp.
Blown arc lamp.
Concentrated arc lamp.
Electric battery lamp.
Electric discharge lamp.
Electric incandescent lamp.
Electrical discharge lamp.
Electroluminescent lamp.
Enclosed arc lamp.
Enclosed swinging concealed head lamp.
Flashlight lamp.
Gaseous discharge lamp.
High-pressure discharge lamp.
High-pressure metal vapor electric discharge lamp.
Integrally capacitively ballasted discharge lamp.
Magnetic trouble lamp.
Nursery lamp.
Ornamental fluorescent stand lamp.
Photoflash lamp.
Portable fluorescent sun lamp.
Self-ballasting gaseous discharge lamp.
Tipless quartz lamp.
Ultraviolet lamp.
Wall lamp.

Lamp and article support, Combination reading. W. R. Mason, Jr. 2,634,073, Apr. 7.
Lamp and gas stove, Combination mantle. N. Guedon. 2,638,085, May 12.
Lamp and lamp socket assembly, Electric portable. G. B. Benander. 2,652,485, Sept. 15.
Lamp and socket, Arcuate discharge. A. H. Laidig and G. S. Evans. 2,652,483, Sept. 15.
Lamp assembly, Fluorescent. O. A. Bartholomew. 2,654,021, Sept. 29.
Lamp attachment, Creeper. L. E. Stanton. 2,636,705, Apr. 28.
Lamp base end contact. R. A. Kuebler. 2,664,551, Dec. 29.
Lamp base feeding mechanism, Nonintermittent. J. Bain, Jr. 2,664,186, Dec. 29.
Lamp box cover having means to prevent light emission at its edges, Hinged flush. C. B. MacDougall. 2,630,522, Mar. 3.
Lamp brooder, Infrared. J. L. Hollinger. 2,627,016, Jan. 27.
Lamp cathode testing, Thermal inertia. R. N. Thayer. 2,664,543, Dec. 29.
Lamp clip for dry cells. M. O. Fredrickson. 2,655,593, Oct. 13.
Lamp cooling device in suction cleaners. J. E. Vance. 2,649,607, Aug. 25.
Lamp construction, Fluorescent hand. J. G. Pessina. 2,641,685, June 9.
Lamp detecting and ejecting mechanism, Defective. J. Flaws, Jr. and C. R. Meckstroth. 2,653,711, Sept. 29.
Lamp disposal plant, Deactivating. J. B. Hall. 2,628,036, Feb. 10.
Lamp, filament therefor and method. N. J. Rainone. 2,633,552, Mar. 31.
Lamp fixture, Multiple socket flexible. W. E. Montague. 2,632,843, Mar. 24.
Lamp fixture, Rainproof fluorescent. A. W. Hanger. 2,625,647, Jan. 13.
Lamp for vehicles, Clearance. C. C. Talley. 2,640,910, June 2.
Lamp for vehicles, Portable. J. A. Padjen. 2,653,001, Sept. 22.
Lamp for vehicles, Repair and warning. A. R. Sparaco. 2,654,877, Oct. 6.
Lamp harp. K. Berger. 2,650,294, Aug. 25.
Lamp harp extension. P. Chilo. 2,650,981, Sept. 1.
Lamp having a reflector, two lenses, and means to vary the distance between them. H. H. Strong. 2,650,292, Aug. 25.
Lamp having a slidable screen to expose one or the other of two different light sources. T. Phils. 2,656,452, Oct. 20.
Lamp having an illuminated base, stand. J. G. Zobian. 2,638,533, May 12.

Lamp having anchoring means to position the lamp and hold the switch closed, Battery operated. H. G. Clark. 2,651,710, Sept. 8.
Lampholder for tubular lamps, Lamp locking. J. M. Pistey. 2,663,851, Dec. 22.
Lamp holder mounted on continuous conductor. J. F. O'Brien, J. B. Cataldo, and K. E. Vroom. 2,638,576, May 12.
Lamp housing with grommeted lead-in holding means. I. Flori. 2,662,110, Dec. 8.
Lamp mount and manufacture thereof, Incandescent. M. L. Stone. 2,644,102, June 30.
Lamp, operating, and making, Discharge. G. A. Freeman and C. G. Anderson, Jr. 2,654,043, Sept. 29.
Lamp receptacle with outlet box attached, Enclosed. I. M. Kirlin. 2,630,521, Mar. 3.
Lamp reflector. P. A. Gadomski. 2,631,225, Mar. 10.
Lamp shade, Collapsible and invertible. F. S. Zenda. 2,625,648, Jan. 13.
Lamp shade construction. W. A. Jacobs. 2,637,805, May 5.
Lamp shade, Electric. E. P. Mella. 2,659,809, Nov. 17.
Lamp shade holder. W. J. Dulle. 2,634,864, Apr. 14.
Lamp shade seam sealing machine. J. J. Cahill. 2,652,095, Sept. 15.
Lamp shade structure with angularly adjustable panels, Fluorescently illuminated. D. Charleston. 2,627,131, Feb. 3.
Lamp socket for snap fastener engagement with an apertured support. W. H. Churchill. 2,664,549, Dec. 29.
Lamp socket having a resiliently mounted contact. C. L. Hall. 2,664,548, Dec. 29.
Lamp socket provided with means to secure it to an apertured panel. F. Howard. 2,664,550, Dec. 29.
Lamp standard, Telescopically adjustable. F. Dvorsky. 2,636,112, Apr. 21.
Lamp starter. F. H. Rixton. 2,625,622, Jan. 13.
Lamp stem fabricating apparatus, Automatic. R. M. Gardner, S. J. Gartner, and E. W. Barrett. 2,637,144, May 5.
Lamp supported reflector unit. M. Liberman. 2,629,046, Feb. 17.
Lamp to illuminate the keyboard and music rack of organs. W. L. Caldwell and S. G. Bowman. 2,626,345, Jan. 20.
Lamp transfer apparatus. J. H. Brooks. 2,649,975, Aug. 25.
Lamp unit and support structure therefor. E. B. Noel. 2,650,321, Aug. 25.
Lamp unit for automobiles, Signal. W. H. Dupree, Jr. 2,651,028, Sept. 1.
Lamp unit, Jacketed and double ended. E. C. Martt. 2,640,145, May 26.
Lamp with adjustable shutter, Portable bed. T. C. Matson, R. N. Riewerts, and D. E. Mortensen. Re. 23,754, Dec. 15.
Lamp with bi-metallic filament support, Flashing incandescent. S. G. Öhlund. 2,627,590, Feb. 3.
Lamp with lens and reflector means, Vehicle. J. R. Hollins. 2,637,804, May 5.
Lamp with removable reflector unit. A. F. Vandenberg. 2,654,828, Oct. 6.
Lance type pump mounting. A. P. Fox and V. G. Klein. 2,631,756, Mar. 17.
Land conditioning machine. C. P. Palmer. 2,630,051, Mar. 3.
Land leveler. J. H. Smeed. 2,624,133, Jan. 6.
Land leveler, Hydraulically operated. S., F., E. J., and A. R. Piel. 2,635,367, Apr. 21.
Land leveling machine. L. E. Shumaker. 2,650,441, Sept. 1.
Land mine. A. F. M. Diels. 2,661,690, Dec. 8.
Land roller. L. J. Ritzert. 2,626,496, Jan. 27.
Landside end connection for bulldozer blades. G. W. Mork. 2,651,860, Sept. 15.
Landing gear for model planes, Retractable. E. S. Cook. 2,645,882, July 21.
Landing system for air-borne craft, Automatic instrument. B. Carpenter. 2,632,135, Mar. 17.
Landing unit for aircraft. W. B. Fehring. 2,650,782, Sept. 1.
Lantern and reflector holder having pivotally adjustable supporting arm. W. Yacyshyn. 2,656,454, Oct. 20.
Lantern bracket. G. J. Diesfeld. 2,655,337, Oct. 13.
Lap handling apparatus. C. R. McGhee. 2,633,256, Mar. 31.
Lap table. G. B. Bodenhoff. 2,640,747, June 2.
Lap tray with leg engaging means. I. Newman. 2,663,603, Dec. 22.
Lapper for carbide tipped tools. K. L. Lindmark. 2,663,978, Dec. 29.
Lapping machine. H. S. Indge. 2,640,302, June 2.
Lapping machine. T. G. Lewis. 2,655,769, Oct. 20.
Lapping machine. R. G. Roshong. 2,627,144, Feb. 3.
Lapping machine construction. R. G. Roshong and V. L. Peickii. 2,653,422, Sept. 29.
Lapping method and tool. T. G. Lewis. 2,655,775, Oct. 20.
Lapping tool. A. Simons. 2,658,314, Nov. 10.
Lapidary drill. E. L. Cox and N. H. Nye. 2,627,261, Feb. 3.
Lard crystal modification. W. E. Dominick, D. Nelson, and K. F. Mattil. 2,625,484, Jan. 13.
Lard crystal modification process. W. E. Dominick and D. Nelson. 2,625,485, Jan. 13.
Large-aperture optical system comprising two reflecting and refracting spherical surfaces in axial alignment. B. S. Blaisse. 2,656,761, Oct. 27.
Large diameter coupling. F. T. Newell. 2,650,839, Sept. 1.
Large diameter coupling. R. E. Risley. 2,650,840, Sept. 1.
Laryngoscope. J. B. Hart. 2,630,114, Mar. 3.
Laryngoscope. E. T. Mörch. 2,648,329, Aug. 11.
Laryngoscope and angularly adjustable and detachable joint therefor, Folding. W. N. Allyn, C. S. Cook, H. A. Browne F. M. Scott, and J. M. Carroll. 2,649,087, Aug. 18.
Laryngoscope, Foldable and separable. W. G. Allyn and C. S. Cook. 2,646,036, July 21.
Last. W. P. Field. 2,642,597, June 23.
Last, Collapsible. A. W. McNeill. 2,635,265, Apr. 21.
Last, Collapsible. G. F. Ryan. 2,641,782, June 16.
Last slip for removing shoes from lasts. J. C. Eldridge and F. A. Flaherty. 2,658,004, Nov. 3.
Lasting machine. P. E. Burby. 2,638,610, May 19.
Lasting machine. E. L. Butler and O. M. Holmes. 2,656,552, Oct. 27.
Lasting machine. F. C. Choice. 2,633,585, Apr. 7.
Lasting machine. T. P. Courchene. 2,655,672, Oct. 20.
Lasting machine. J. Fossa. 2,655,671, Oct. 20.
Lasting machine. R. L. Hill and R. W. Ireland. 2,651,063, Sept. 8.
Lasting machine. B. Jorgensen. 2,650,379, Sept. 1.
Lasting machine. B. Jorgensen. 2,663,036–7, Dec. 22.
Lasting machine. J. T. Lancaster. 2,631,309, Mar. 17.
Lasting machine. L. G. Miller. 2,663,035, Dec. 22.
Lasting machine. C. A. Robinson. 2,660,740, Dec. 1.
Lasting machine. H. Schwabe. 2,663,034, Dec. 22.
Lasting machine. W. A. Shafer, Jr. 2,655,673, Oct. 20.
Lasting machine, Stitchdown. F. Ashworth. 2,633,584, Apr. 7.
Lasting machine, Stitchdown. A. Spatola. 2,654,902. Oct. 13.
Lasting open-toe shoes, Method and apparatus for. P. Pepe. 2,658,215, Nov. 10.
Lasting shoes. E. I. La Chapelle. 2,632,189, Mar. 24.
Latch: *See*—
Automobile door latch.
Baggage latch.
Combination controlled night latch.
Dead bolt latch.
Deck latch.
Door latch.
Flue damper latch.
Flush cylinder tubular night latch.
Flush latch.
Friction latch.
Gate latch.
Glove compartment door latch.
Hasp type case latch.
Hood latch.
Hopper car door latch.
Locking latch.
Magnetic latch.
Push-button latch.
Reversible dead latch.
Safety door latch.
Safety latch.
Screen door safety latch.
Stake rack latch.
Storm window latch.
Vehicle door latch.
Window screen latch.
Latch. B. J. Craig. 2,647,781, Aug. 4.
Latch. F. J. McConnell. 2,644,706, July 7.
Latch and interlock. R. W. Wolf. 2,659,782, Nov. 17.
Latch and lock, Combined. G. L. Boden and G. D. Wiepert. 2,624,191, Jan. 6.
Latch and lock, Combined closure. J. F. Price. 2,638,370, May 12.
Latch attachment for valve-operated spray nozzles. M. Ganz. 2,657,007, Oct. 27.
Latch bolt keeper. J. H. Roethel. 2,629,620–2, Feb. 24.
Latch bolt stop, Night. A. Erkkila. 2,657,946, Nov. 3.
Latch casing. F. J. Russell, R. W. Dietrich, and G. B. Solovieff. 2,634,151, Apr. 7.
Latch casing, Tubular. A. Erkkila. 2,653,046, Sept. 22.
Latch construction for folding ironing boards. R. McKinnie. 2,653,399, Sept. 29.
Latch for casement windows. R. A. Olson. 2,650,847, Sept. 1.
Latch for concealed wall safes. J. P. Stein. 2,633,010, Mar. 31.
Latch for counterbalanced elevator doors. P. R. Doeg and A. W. Croker. 2,659,457, Nov. 17.
Latch for extension tables, Friction. Z. W. McConnell. 2,635,934, Apr. 21.
Latch for floor racks. R. F. Nelson and H. D. Doerman. 2,632,409, Mar. 24.
Latch for grass shears. O. G. Steede. 2,638,669, May 19.
Latch for holding doors open. R. J. Olander. 2,635,909, Apr. 21.
Latch for lighting fixtures, Supporting. R. G. Marchisio. 2,646,498, July 21.
Latch for sliding car doors, Stop and automatic. C. Lute. 2,632,665, Mar. 24.
Latch for the slidable members of jaw wrenches. B. M. Bockelman, 2,637,234, May 5.
Latch for two relatively movable members, Automatic. R. K. Nottingham. 2,637,576, May 5.
Latch for wrenches, Sliding jaw. R. T. Jones. 2,659,259, Nov. 17.
Latch means for telescopic gun sights. F. A. Pachmayr. 2,639,507, May 26.
Latch mechanism. L. L. Anderson. 2,652,277, Sept. 15.
Latch mechanism. E. D. Dall. 2,658,779, Nov. 10.

Latch mechanism. R. C. Hopgood. 2,650,123, Aug. 25.
Latch mechanism. E. B. Jacobson. 2,639,182, May 19.
Latch mechanism. E. B. Jacobson. 2,659,621, Nov. 17.
Latch mechanism. H. G. Knuth. 2,647,780, Aug. 4.
Latch mechanism. A. F. Lickteig, Jr. 2,631,051, Mar. 10.
Latch mechanism. R. Marple. 2,655,025, Oct. 13.
Latch mechanism. N. A. Welch. 2,650,122, Aug. 25.
Latch mechanism, Circuit breaker. D. M. Umphrey. 2,631,190, Mar. 10.
Latch mechanism, Door. G. Hagstrom. 2,644,704, July 7.
Latch mechanism for adjusting drag scraper operation. J. Bernard. 2,627,127, Feb. 3.
Latch mechanism for disappearing wardrobe doors. J. F. Schaefer. 2,654,241, Oct. 6.
Latch mechanism for scoops. V. H. Borgelt. 2,640,614, June 2.
Latch mechanism, Parachute pack. G. L. Fogal and A. M. Mitnick. 2,659,557, Nov. 17.
Latch mechanism, Spring. W. R. Gallowitz. 2,634,997, Apr. 14.
Latch operating mechanism. D. M. Robinson. 2,628,117, Feb. 10.
Latch released positive clutch. O. E. Szekely. 2,642,970, June 23.
Latch releasing door handle. G. V. Jakeway. 2,647,783, Aug. 4.
Latch retractor and housing. R. C. Cerf, Jr. 2,664,306, Dec. 29.
Latch structure, Door. G. Janonis. 2,656,208, Oct. 20.
Latch structure for vehicle bodies. T. Vigmostad. 2,631,880, Mar. 17.
Latch spindle lock. N. A. Welch. 2,651,193, Sept. 8.
Latch tripping device. H. W. Sanford. 2,634,007, Apr. 7.
Latch tripping device. H. W. Sanford, Jr. 2,646,179, July 21.
Latch tripping mechanism. H. W. Sanford. 2,640,608, June 2.
Latch with dead locking mechanism. F. J. Russell, R. W. Dietrich, and G. B. Solovieff. 2,656,207, Oct. 20.
Latching and closing means for railway car hopper doors. G. B. Dorey. 2,651,266, Sept. 8.
Latching and operating mechanism, Door. G. W. Way. 2,643,906, June 30.
Latching and operating mechanism, Door. G. W. Way. 2,647,003, July 28.
Latching and releasing means. N. R. Sklar. 2,637,931, May 12.
Latching and releasing mechanism for refrigerator doors. J. V. Jamison, Jr. 2,631,052, Mar. 10.
Latching assembly for windows and the like. W. J. Woodhams. 2,663,587, Dec. 22.
Latching device for hopper cars. A. E. Zimmer. 2,638,062, May 12.
Latching device for storm windows. M. J. Nardulli. 2,629,466, Feb. 24.
Latching means for gondola car drop ends. J. S. Swann. 2,631,548, Mar. 17.
Latching means for hopper car doors. G. B. Dorey, 2,651,267, Sept. 8.
Latching means for window meeting rails. H. A. Kaufmann. 2,656,574, Oct. 27.
Latching mechanism. A. Reymann. 2,661,971, Dec. 8.
Latching mechanism, Dead. G. Hagstrom. 2,644,705, July 7.
Latching mechanism, Door. F. M. Hogg. 2,662,790, Dec. 15.
Latching mechanism, Flush door. G. Mack. 2,649,322, Aug. 18.
Latching mechanism for doors for hopper type railway cars. A. E. Zimmer and G. B. Dorey. 2,641,198, June 9.
Latching mechanism for hopper doors. A. E. Zimmer. 2,630,770, Mar. 10.
Latching mechanism for switch and lock movements. W. R. Gracey, Jr. 2,634,365, Apr. 7.
Latching mechanism, Hopper car door. G. B. Dorey. 2,630,771, Mar. 10.
Latching mechanism, Point detector. H. L. Bone. 2,656,457, Oct. 20.
Latching mechanism, Seat slide. A. Johnson. 2,636,545. Apr. 28.
Latching solenoid. O. A. Wright, E. H. Goddard, and O. L. Wilkinson. 2,632,821, Mar. 24.
Lateral stretching of thermoelastic films. M. Lammertse. 2,626,422, Jan. 27.
Lateral timer switch. G. O. Puerner, R. J. Aust, and L. Tulauskas. 2,641,661, June 9.
Lateral web control. A. Kuzinski. 2,635,826, Apr. 21.
Laterally movable door. G. Madland. 2,628,389, Feb. 17.
Laterally collapsible pessary. T. Young. 2,625,154, Jan. 13.
Laterally movable car door. G. Madland. 2,629,901, Mar. 3.
Laterally movable door. W. A. Beauchamp. 2,658,243, Nov. 10.
Laterally movable door. G. Madland. 2,658,244, Nov. 10.
Laterally traversing vertical blind. C. E. Peck. 2,625,219, Jan. 13.
Latex coagulation process. J. F. Griffith, R. W. Lange, and T. W. Fisher, Jr. 2,647,103, July 28.
Latex compositions, Stabilized toughened. A. M. Hall and R. Woolman. 2,651,618, Sept. 8.
Latex foam, Making. B. Bennett and G. H. McFadden. 2,643,233, June 23.
Latex foam sponge, Manufacture of. R. O 2,640,087, May 26.
Latex sponge, Frothed. T. H. Rodgers, Jr., a Heineman. 2,635,971, Apr. 21.
Latex sponge rubber, Making. P. D. Brass and J. 2,640,036, May 26.
Latex stabilizer dispersions, Preparation of. crease and M. C. Fuqua. 2,662,061, Dec. 8.
Lathe. R. G. Le Tourneau. 2,627,197, Feb. 3.
Lathe attachment. J. Mazar. 2,643,717, June 3
Lathe attachment. T. O. Strauss. 2,660,799,
Lathe attachment for progressively cutting a th M. Escure. 2,660,737, Dec. 1.
Lathe control mechanism. R. H. Shadrick. June 23.
Lathe embodying improved pressure bar actuat anism, Veneer. J. T. Latimer. 2,650,629, Se
Lathe for machining crankshafts, Orbital. J. and A. Grupp. 2,662,438, Dec. 15.
Lathe, Multiple station center drive cranksha Siekmann and W. R. Meyer. 2,643,570, June 3
Lathe, Pattern. M. E. Allen, Sr. 2,664,122, D
Lathe quick-change boring bar holder. H. 2,630,327, Mar. 3.
Lathe tool. E. J. Malco. 2,627,107, Feb. 3.
Lather mixing machine. R. C. Mulfinger. Jan. 6.
Lather producing composition. J. G. Spitzer, and N. Fine. 2,655,480, Oct. 13.
Launching airplanes and other flying bodies, B. N. Wallis. 2,659,553, Nov. 17.
Launching system and apparatus for target Rotary. B. Bayuk. 2,649,263, Aug. 18.
Laundry apparatus. F. W. Grantham. 2,643 30.
Laundry apparatus. C. C. Scheele. 2,647,632,
Laundry apparatus having heater, hollow agi squeezer extractor. I. D. Richardson. 2,65 20.
Laundry appliance control panel constructio Rogers. 2,660,273, Nov. 24.
Laundry frame. A. A. Reifschneider. 2,637,1
Laundry handling receptacle. W. A. Pellerin. Nov. 10.
Laundry hanger. E. K. Ralston. 2,659,493, No
Laundry ironer rack. R. J. Herrcke. 2,645,36
Laundry machine. P. W. Douglas. 2,637,186
Laundry machine. P. W. Douglas. 2,637,189
Laundry machine, Wobble plate. G. C. Fields. July 14.
Laundry press. R. P. Gudgeon. 2,636,293,
Laundry shake-out device. F. A. Mann, Jr., Halladay. 2,635,370, Apr. 21.
Lauryl pyridinium salts of chlorophenoxy-ac L. A. Brooks. 2,656,359, Oct. 20.
Lavatory attachment. H. G. Paulus. 2,659,90
Lavatory seat. R. Blackburn. 2,645,784, Jul
Lawn edge trimmer. P. D. Jory. 2,630,052,
Lawn edge trimmer and cultivator. W. 2,625,871, Jan. 20.
Lawn edge trimmer and weed puller. E. 2,651,905, Sept. 15.
Lawn edge-trimmer machine. S. A. Mintz. Mar. 10.
Lawn edger. C. T. Asbury. 2,663,137, Dec. 22.
Lawn edger. E. A. Hurd. 2,630,669, Mar. 10.
Lawn edger. C. V. Redfield. 2,654,180, Oct.
Lawn edger. J. S. Wick. 2,626,499, Jan. 27.
Lawn edger. G. W. Woolwine. 2,634,667. A
Lawn edger and trimmer. W. W. Stricklen Holston. 2,632,990, Mar. 31.
Lawn edger with motor case as the wheel. 2,630,665, Mar. 10.
Lawn mower and actuating means therefor. and M. D. Burrows. 2,642,709, June 23.
Lawn mower attachment. J. H. Ross. 2,632,9
Lawn mower construction. R. D. Clemson. Jan. 6.
Lawn mower construction. G. W. Dunham. July 28.
Lawn mower, Disk type. M. Gelinas. 2,658,3
Lawn mower drive. J. J. Watts and M. A. 2,645,300, July 14.
Lawn mower handle and manufacturing s piece tubular. H. C. Knarzer. 2,646,591, J
Lawn mower handle bracket construction, W. E. Sullivan. 2,658,322, Nov. 10.
Lawn mower of the rotating cutting disk type H. Flanigan. 2,643,502, June 30.
Lawn mower, Reciprocating blade. J. F. M W. Logan. 2,641,894, June 16.
Lawn mower roller support. C. K. Cole. 2,6 28.
Lawn mower, Rotary cutting disk type. J. Sr. 2,651,159, Sept. 8.
Lawn mower, Rotary cutting disk type. J. 2,641,100, June 9.
Lawn mower, Sickle bar type. T. T. Bathurst Oct. 6.
Lawn mower with auxiliary cutter-feeder. H mott. 2,630,668, Mar. 10.
Lawn sprinkler, Controlled contour. A. 2,654,635, Oct. 6.

Lawn sprinkler, Projectable nozzle. H. J. M. Burdick. Re. 23,646, Apr. 21.
Lawn trimmer. E. L. Chadwick. 2,660,854, Dec. 1.
Lawn trimmer and edger. A. E. Miller. 2,654,985, Oct. 13.
Lay motion for looms. W. C. Birtwell. 2,630,839, Mar. 10.
Lay motion for looms. W. J. Budzyna and M. R. Flamand. 2,624,372, Jan. 6.
Layout and construction jig for awning ends and the like, Adjustable. W. L. Catching, Jr. 2,655,188, Oct. 13.
Layout device for machine tools. K. L. Bice. 2,649,000, Aug. 18.
Lay-out jig. H. V. May. 2,633,644, Apr. 7.
Layout measuring tool. A. G. Pujda. 2,624,944, Jan. 13.
Lay-up table for assembling laminae. G. A. Seidel. 2,624,442, Jan. 6.
Laying nest. H. H. Hobbs. 2,658,475, Nov. 10.
Laying sheet metallic flooring. W. G. Koch. 2,655,715, Oct. 20.
Leaching apparatus, Continuous. H. E. Lewis. 2,630,377, Mar. 3.
Leaching manganese ore. B. R. Babbitt and C. B. Kunz. 2,663,618, Dec. 22.
Lead activated calcium zinc silicate phosphor and making same. R. Nagy. 2,628,944, Feb. 17.
Lead-antimony alloy electroplating bath. A. L. Hitchens and R. G. Owens. 2,634,235, Apr. 7.
Lead carbonate impression materials. S. E. Noyes and E. H. Lochridge. 2,631,081, Mar. 10.
Lead casting machine. E. S. Morgan. 2,635,310, Apr. 21.
Lead coating a ferrous article. R. A. Neish. 2,643,975, June 30.
Leadin bushing. L. A. Borden and J. C. Powelson. 2,647,942, Aug. 4.
Lead-in wire orienting apparatus. C. A. Young and H. E. Baker. 2,650,634, Sept. 1.
Lead laying mechanism. W. H. Wilcox. 2,632,554, Mar. 24.
Lead seal casting machine, Automatic. W. R. Scott. 2,629,150, Feb. 24.
Lead screw support for straight line computers. B. S. Maximoff. 2,659,634, Nov. 17.
Lead sulfate impression materials. S. E. Noyes and E. H. Lochridge. 2,631,082, Mar. 10.
Lead wire feed mechanism for lamp stem fabricating apparatus. S. J. Gartner, S. E. Swasey, and D. J. Dwinell. 2,655,954, Oct. 20.
Lead wire for initiating devices. G. B. Feild. 2,649,735, Aug. 25.
Leader and fishhook, Unitary sinker. A. A. Kruze. 2,651,136, Sept. 8.
Leader drain trap. L. F. Ambrosi. 2,644,585, July 7.
Leads to laminated electric circuit components. H. E. Lockery and B. L. Weller. 2,636,920, Apr. 28.
Leaf gathering, comminuting, and redistributing machine, Mobile. J. A. Ronning. 2,631,418, Mar. 17.
Leaf gathering, comminuting, and redistributing machine, Mobile. J. A. Ronning. 2,661,584, Dec. 8.
Leaf spring end spacer and cushioning device. J. W. Watson. 2,663,563, Dec. 22.
Leaf spring spacing structure and anchorage therefor. J. W. and R. A. Watson. 2,626,798, Jan. 27.
Leaf type micro switch. H. Hubbell. 2,657,288, Oct. 27.
Leak detector for cans and the like. G. H. Bendix and C. R. Breden. 2,645,117, July 14.
Leakproof irrigation valve. R. Fuller. 2,628,056, Feb. 10.
Leakproof valve. H. W. Borer. 2,634,751, Apr. 14.
Leak valve. C. S. Sagady. 2,658,519, Nov. 10.
Leakage control tube mounting for double tube plate heat exchangers. N. Weber. 2,660,411, Nov. 24.
Leakage testing method. J. P. Howe, A. B. Greninger, and R. F. Plott. 2,633,740, Apr. 7.
Leash, Animal releasing. H. G. Foster. 2,652,809, Sept. 22.
Leather and producing same, Water-resistant. N. D. Cheronis and E. W. Newbury. 2,635,060, Apr. 14.
Leather jacket sleeve. S. Slater. 2,659,894, Nov. 24.
Leather, Manufacture of. T. White and J. R. Barnes. 2,649,355, Aug. 18.
Leather, Resin-impregnated water-resistant. N. D. Cheronis. 2,635,059, Apr. 14.
Leather stretching apparatus. J. W. Durkee. 2,653,410, Sept. 29.
Leather substitutes and making, Permeable. A. R. Olson and E. B. McMillan. 2,632,210, Mar. 24.
Lecithin compositions. A. Scharf. 2,632,705, Mar. 24.
Ledger tray. N. S. Welk. 2,624,343, Jan. 6.
Ledger tray cabinet. N. S. Welk. 2,627,446, Feb. 3.
Leg and caster mount. H. N. Simpson. 2,659,927, Nov. 24.
Leg assembly for wheeled trucks. J. R. Ristow. 2,662,778, Dec. 15.
Leg construction, Laterally moving detachable. J. L. Jacobson. 2,639,956, May 26.
Leg for beds and the like, Adjustable. H. R. Evans. 2,638,607, May 19.
Leg rest for vehicle seats. I. W. Twiford. 2,650,654, Sept. 1.
Leg straightener appliance. W. Leathers. 2,630,116, Mar. 3.
Leg structure for tables, Folding. H. W. Hinsken and H. H. Giesler. 2,642,325, June 16.
Leg support. C. E. Poyer. 2,636,550, Apr. 28.
Leg support for invalids' folding chairs. H. M. Thompson. 2,633,896, Apr. 7.
Leg structure, Folding. M. Fox. 2,657,963, Nov. 3.
Legging with a metal frame. G. E. Murphy. 2,640,281, June 2.
Length adjusting and attaching bracket. M. L. Samuels. 2,642,249, June 16.
Length-assorting and conveying apparatus for lumber after deknotting operations. H. H. Dedo. 2,662,640, Dec. 15.
Length control for slide fastener machines. O. G. Scheuermann. 2,661,044, Dec. 1.
Leno-weave loom. J. Bamert. 2,639,733, May 26.
Leno weaving. E. C. Nichols. 2,647,541, Aug. 4.
Lens adjusting tool. J. J. Greco. 2,644,355, July 7.
Lens and shutter combination mounting. L. Goldhamer. 2,649,024, Aug. 18.
Lens assembly, Wide-angle photographic objective. P. Angénieux. 2,649,022, Aug. 18.
Lens attachment, Motion-picture camera. L. J. Mellert. 2,641,952, June 16.
Lens blocking device. D. P. Bernheim and C. G. Silverberg. 2,660,011, Nov. 24.
Lens, Contact. S. W. Silverstein. 2,641,161, June 9.
Lens finishing machine. K. C. Burroughs. 2,643,490, June 30.
Lens, Corneal contact. N. O. Stimson. 2,653,515, Sept. 29.
Lens cover device for telescopic sights. C. A. Blais, Sr. 2,632,252, Mar. 24.
Lens device in welder's hood, Ophthalmic. E. L. Rabben. 2,628,530, Feb. 17.
Lens for aerial photography, Five component objective. J. G. Baker. 2,628,532, Feb. 17.
Lens for cathode-ray tubes, Electrostatic. A. D. Giacchetti. 2,638,559, May 12.
Lens grinding and polishing machine. A. I. Diller. 2,632,288, Mar. 24.
Lens grinding machine. A. Seidner. 2,634,557, Apr. 14.
Lens panel, Vehicle light controlling. A. L. Arenberg. 2,663,794, Dec. 22.
Lens, Headlight. F. Dove. 2,632,095, Mar. 17.
Lens, Light-beam-rectifying. G. A. Johnson. 2,653,516, Sept. 29.
Lens mounting and film support for microfilm apparatus. V. E. Pratt and G. F. Gray. 2,638,812, May 19.
Lens system, Balanced focus. S. E. Garutso. 2,651,237, Sept. 8.
Lens system for projectors, Condenser. H. Osterberg, R. M. Muller, and R. K. Luneburg. 2,637,242, May 5.
Lens system, High aperture wide angle six element Gauss type objective. H. Ito. 2,645,974, July 21.
Lens system, Reflecting type image forming. A. J. Kavanagh. 2,664,026, Dec. 29.
Lens system, Unitary catadioptric objective. D. R. and W. M. Buchele. 2,638,033, May 12.
Lens, Variable power bifocal. P. A. K. Boeder. 2,642,776, June 23.
Lens ventilation in goggles structure. W. R. Christensen and C. E. Cross. 2,654,090, Oct. 6.
Lens with reduced spherical aberration and chromatic difference of spherical aberration, Three-element objective. S. Rosin and A. M. Bottalico. 2,663,222, Dec. 22.
Lenses from transparent plastics, Production of. J. Johnson. 2,640,227, June 2.
Let back means for looms, Fabric. H. B. Gosnell. 2,664,115, Dec. 29.
Letdown cabinet. L. A. Stebbins and S. P. Khatunzeff. 2,635,030, Apr. 14.
Letoff device for knitting machines. H. C. Noe. 2,624,184, Jan. 6.
Letoff drive rod arm. S. O. Dodge. 2,664,113, Dec. 29.
Letoff mechanism for looms. O. V. Payne. 2,635,646, Apr. 21.
Letoff mechanism for looms, Auxiliary beam. J. A. Bradshaw. 2,664,114, Dec. 29.
Letter feed and separator device. W. T. La Bore. 2,635,874, Apr. 21.
Letter-feed mechanism for typewriters and like machines. W. F. Helmond. 2,626,694, Jan. 27.
Letter pad. M. Gaber. 2,661,224, Dec. 1.
Lettering film. D. J. Douglas, P. V. Palmquist, and J. D. Grove. 2,647,848–9, Aug. 4.
Lettuce pack. F. H. McCann and W. J. Schwertfeger. 2,652,696, Sept. 22.
Leuco ester printing compositions and solubilizers therefor. D. I. Randall and N. W. Solonen. 2,628,882, Feb. 17.
Leuco-indanthrone sulfuric esters, Preparation of. W. B. Hardy and R. B. Fortenbaugh. 2,659,727, Nov. 17.
Levee building machine. C. H. Brown. 2,644,252, July 7.
Level. L. H. Pippin. 2,627,115, Feb. 3.
Level. J. Rothstein. 2,660,805, Dec. 1.
Level. J. W. Sims. 2,651,848, Sept. 15.
Level and square, Combined. J. G. Jensen and E. Johansen. 2,652,628, Sept. 22.
Level control. E. J. Scray, Sr. 2,640,361, June 2.
Level controller. E. C. Amidon. 2,650,606, Sept. 1.
Level holder. R. Sandmoen. 2,647,712, Aug. 4.
Level-hunting selector. F. Kessler. 2,660,619, Nov. 24.
Level indicating device for house trailers. M. L. Mundy. 2,660,804, Dec. 1.

Level indicator. W. F. Archibald. 2,647,251, July 28.
Level, Mason's. J. W. Waddell. 2,645,018, July 14.
Level skimmer, Variable. E. M. Kelly and S. I. Bousman. 2,633,989, Apr. 7.
Level winding device. J. H. Wilson. 2,600,382, Nov. 24.
Level winding mechanism. W. F. Lootens. 2,625,346, Jan. 13.
Leveler attachment for dump trucks, Dirt. L. M., M. V., and M. L. Mowe. 2,662,313, Dec. 15.
Leveler for ground pulverizers, Spring mounted. Y. Thomas. 2,660,817, Dec. 1.
Leveler, Land. J. G. Lindeman and C. V. Edwards. 2,662,314, Dec. 15.
Leveling and plumbing device and elementos thereof. L. C. Bettega. 2,635,350, Apr. 21.
Leveling device for tin plate feeder platforms. D. V. Strock. 2,639,784, May 26.
Leveling gauge. J. J. Strnad. 2,627,665, Feb. 10.
Leveling machine, Land. H. W. Klages. 2,663,099, Dec. 22.
Leveling machine, Land. B. M. Mathias. 2,659,166, Nov. 17.
Leveling means for vehicles. G. L. Runkle and D. H. Cox. 2,654,633, Oct. 6.
Leveling mechanism for hoisting trucks, Automatic. A. S. Hamilton, Jr. 2,653,679, Sept. 29.
Lever actuated slidable jaw wrench. B. E. Arnold. 2,638,808, May 19.
Lever actuated tire bead loosening tool. D. D. Patterson. 2,647,565, Aug. 4.
Lever and linkage assembly for clutches. J. S. Voigt. 2,635,728, Apr. 21.
Lever assembly, Hand. R. D. Page. 2,631,473, Mar. 17.
Lever, Brake. G. R. Roesch. 2,644,342, July 7.
Lever, Brake. E. G. Sprung. 2,638,017, May 12.
Lever, Circuit breaking operating. W. A. De Smidt and L. H. Matthias. 2,645,688, July 14.
Lever construction, Pallet. J. Fink. 2,663,139, Dec. 22.
Lever hose sand valve. J. F. Comer. 2,627,282, Feb. 3.
Lever means for breech closing mechanisms, Operating. A. A. Dicke. 2,648,153, Aug. 11.
Lever mechanism, Brake. G. R. Roesch. 2,644,343, July 7.
Lever mechanism for ball cocks. H. F. Smith. 2,649,772, Aug. 25.
Lever system for steam traps. J. W. Kaye. 2,649,815, Aug. 25.
Lever tumbler cylinder lock. R. C. Spain. 2,648,973, Aug. 18.
Lever type vacuum cap lifter. J. Belpedio. 2,646,705, July 28.
License holder. G. W. Hughes. 2,629,193, Feb. 24.
License plate holder. E. C. Leighton. 2,641,815, June 16.
License tag fastener. H. A. McClellan. 2,637,240, May 5.
License tag holder. M. Sullivan. 2,648,150, Aug. 11.
Lid construction for material spreaders. R. E. Seltzer. 2,664,221, Dec. 29.
Lid for cooking utensils. L. Gosnell. 2,629,511, Feb. 24.
Lid for nests, Nonroosting. L. W. Dadlow. 2,640,461, June 2.
Lid lifter with receptacle engaging means, Receptacle. G. R. Payne. 2,636,407, Apr. 28.
Lid, Paint can. L. M. Best. 2,646,193, July 21.
Lid rack. J. C. Brown. 2,633,994, Apr. 7.
Lidder for boxes varying in length, Automatic. G. E. Stilwell. 2,651,036, Sept. 8.
Lidding machine. A. F. Litchfield and W. B. Welsh. 2,658,655, Nov. 10.
Lifeboat, Manual power screw propelled. A. P. Horn. 2,661,712, Dec. 8.
Life line for boats. I. A. Newland. 2,651,789, Sept. 15.
Life preserver and illuminating means therefor. C. R. Craver. 2,642,591, June 23.
Lift and carrier with stretcher clamp, Invalid. M. I. Bickford. 2,634,431, Apr. 14.
Lift attachment for farm tractors. W. R. Emery and E. Courtwright. 2,628,069, Feb. 10.
Lift device, Plunger. D. G. Knox and J. W. Lawrence, Jr. 2,642,002, June 16.
Lift for ceiling boards. J. Jones. 2,655,412, Oct. 13.
Lift for deep well hydraulic pumps. E. M. Knudson. 2,626,569, Jan. 27.
Lift for tractors, Power. E. V. Bunting. 2,632,628, Mar. 24.
Lift mechanism. F. C. Haumerson. 2,624,546, Jan. 6.
Lift mechanism for tractors, Power. E. C. McRae. 2,631,515, Mar. 17.
Lift mechanism, Hydraulic fluid motor. A. S. Murray. 2,636,348, Apr. 28.
Lift plug valve. F. Hinrichs. 2,628,059, Feb. 10.
Lifter: *See*—
- Automatic toilet seat lifter.
- Bed lifter.
- Container lid lifter.
- Dual lever pry type lid lifter.
- Egg lifter.
- Foot operated toilet seat lifter.
- Hydraulic valve lifter.
- Lever type vacuum cap lifter.
- Linoleum lifter.
- Pan and pot lifter.
- Pipe lifter.
- Portable load lifter.
- Pot lifter.
- Railway tie plate lifter.
- Root crop lifter.
- Sash lifter.
- Valve spring lifter.
- Wheel lifter.

Lifter and carrier, Patient. I. K. Lockey. 2,636,188, Apr. 28.
Lifter and loader, Tractor mounted. G. Gera
J. M. Markel. 2,632,575, Mar. 24.
Lifter and setter, Pastry. T. M. and W. L. 2,641,496, June 9.
Lifter attachment for tractors, Load. N. 2,658,635, Nov. 10.
Lifter for beet harvesters. T. W. Bohmker. Jan. 27.
Lifter for cooking utensils. V. M. Watts. May 19.
Lifter for utensils and the like. J. L. Thomas. June 9.
Lifting and lowering apparatus, Mobile. R. 2,651,427, Sept. 8.
Lifting and rotating machine, Pneumatic. H. H. V. Dressler. 2,639,822, May 26.
Lifting apparatus. B. Johnston and J. 2,663,285, Dec. 22.
Lifting apparatus, Tractor. L. H. Steer. 2,65 17.
Lifting appliance for vehicles. J. Villars. June 2.
Lifting boom for ladle cranes. R. L. W 2,643,004, June 23.
Lifting device. H. K. Hecker. 2,641,514, June
Lifting device. H. K. Hecker. 2,649,933, Aug.
Lifting device. H. K. Hecker. 2,658,586, Nov
Lifting device. A. E. Jackson. 2,624,543, Jan.
Lifting device for dump trailers. E. A. 2,637,593, May 5.
Lifting device for substructure covers. G. W. J 2,655,399, Oct. 13.
Lifting device for the tool-carrier of agricu clines. H. Kamplade. 2,644,339, July 7.
Lifting device for trucks and vehicles. N. A. D. L. Creager. 2,627,389, Feb. 3.
Lifting device for vehicles. J. Villars. 2,655,2
Lifting dolly. V. R. Schmidt. 2,624,476, Jan.
Lifting hook. H. J. Crimmel. 2,634,156, Apr.
Lifting hook. F. H. H. Foss. 2,646,306, Ju
Lifting jack. A. W. Hunz. 2,630,297, Mar. 3.
Lifting jack. M. B. Lucker. 2,637,523, Ma
Lifting magnet. H. E. Hodgson. 2,626,310. J
Lifting mechanism. R. Hastings, Jr. 2,627,9
Lifting mechanism for dump trucks, Mechan Best. 2,638,380, May 12.
Lifting mechanism, Window. J. M. Launder. Aug. 18.
Ligature for musical instruments. W. 2,648,246, Aug. 11.
Light: *See*—
- Accelerator controlled vehicle warning light.
- Airport runway marker light.
- Cigar lighter knob light.
- Detachable light.
- Extension light.
- Fishing line signal light.
- Glove compartment light.
- Hand signal l
- Intermittent el
- Oiltight switch light.
- Parking brak light.
- Traffic light.
- Trouble light.
- Vehicle auxilia

Light absorbent coating and coated article. E. 2,643,982, June 30.
Light and switch combination. V. R. 2,646,477, July 21.
Light beam stabilizing system. W. S. Elliott. Nov. 17.
Light-colored rubber hydrochlorides, Preparin ner and M. Rieber. 2,654,793, Oct. 6.
Light control and ventilated awning. A. 2,650,394, Sept. 1.
Light distillate compositions. D. A. Wagner July 21.
Light fixture, Composite molded ornamental. nolds. 2,664,497, Dec. 29.
Light fixture having heat insulated corner f Recessed. I. M. Kirlin. 2,648,764, Aug. 1
Light flasher for bicycles, Alternating. R 2,661,406, Dec. 1.
Light for trains, Rotatable electrical marker. ruthers. 2,641,686, June 9.
Light for vehicles, Retractable fog-beam. 2,662,605, Dec. 15.
Light guard, Trouble. F. G. Graves. 2,652,4
Light having a replaceable lamp, Ignition Reifenberg. 2,637,803, May 5.
Light meter for microphotography. C. 2,659,268, Nov. 17.
Light projecting attachment for firearms. L 2,657,303, Oct. 27.
Light projector for airport lighting. P. 2,655,591, Oct. 13.
Lightproof seam and making the same. H. 2,651,049, Sept. 8.
Light reflector. H. E. Smith. 2,647,203. Ju
Light reflector which transmits infrared Turner. 2,660,925, Dec. 1.
Light repeater for pulse communication sys Schimpf. 2,634,366, Apr. 7.
Light-responsive fluorescent media. J. L. Switzer, and R. A. Ward. 2,653,109, Sept
Light securing means, Street barricade. J. 2,648,761, Aug. 11.
Light-sensitive baryta-coated photographic Clark and L. F. Miller. 2,642,362, June

Light sensitive control for setting-up machines. C. L. Claff and C. A. Moeller. 2,624,247, Jan. 6.
Light sensitive diazotype materials containing tetrazo diphenyl compounds. S. C. Slifkin. 2,632,703, Mar. 24.
Light sensitive gaseous electron discharge device and circuit therefor. G. G. Carne. 2,646,533, July 21.
Light-sensitive photographic element. J. Léauté and P. L. Vandamme. 2,653,873, Sept. 29.
Light slit, Producing a. G. L. Dimmick and M. E. Widdop. 2,633,427, Mar. 31.
Light socket, Fluorescent. N. C. Russell. 2,659,058, Nov. 10.
Light source shielding means for fluorescent luminaire. N. R. Aabberly. 2,650,293, Aug. 25.
Light stable polymers stabilized with amine oxides. G. C. Claver, Jr. 2,628,951, Feb. 17.
Light system, Votive. L. A. Matson. 2,658,168, Nov. 3.
Light transmission and protective materials, Selected. E. G. B. Riley. 2,631,499, Mar. 17.
Light transmissive electrically conducting article. W. H. Colbert, A. R. Weinrich, and W. L. Morgan. 2,628,927, Feb. 17.
Light valve. C. A. Hisserich, M. C. Henderson, and K. K. Wyckoff. 2,641,640, June 9.
Lightweight aggregate from molten slag, Production of. L. A. Edwards. 2,643,485, June 30.
Lightweight aggregates, Producing. J. B. Dube. 2,639,269, May 19.
Lightweight coated aggregate granules, Making. C. F. Schaaf. 2,650,171, Aug. 25.
Lightweight structure for aircraft sustaining rotor blades. P. H. Stanley. 2,637,405, May 5.
Lighted cigarette holder. W. S. Glance. 2,626,613, Jan. 27.
Lighted cooling basin for air conditioning units. M. M. Cunningham. 2,664,311, Dec. 29.
Lighter. L. Bolle. 2,641,915, June 16.
Lighter. E. G. Gessmann. 2,664,008, Dec. 29.
Lighter. R. E. Peterson. 2,664,007, Dec. 29.
Lighter. W. F. Wagner. 2,639,597, May 26.
Lighter. W. F. Wagner. 2,660,042, Nov. 24.
Lighter and case, Cigarette. A. C. Campbell. 2,638,209, May 12.
Lighter, Automatic. H. Faulkner. 2,656,492, Oct. 20.
Lighter, Cigar. A. A. Johnson. 2,652,477, Sept. 15.
Lighter, Cigarette. T. H. Batt. 2,640,340, June 2.
Lighter, Cigarette. E. P. Gallmard, Sr. and E. P. Gallmard, Jr. 2,651,931, Sept. 15.
Lighter, Cigarette. A. McNeill. 2,624,188, Jan. 6.
Lighter, Cigarette. S. Meyer. 2,631,446, Mar. 17.
Lighter, Cigarette. W. S. Nissly. 2,643,930, June 30.
Lighter, Cigarette. M. B. Siegel. 2,658,368, Nov. 10.
Lighter, Cigarette. W. P. Strumbos. 2,643,535, June 30.
Lighter, Cigarette. H. G. Treiss, Jr. 2,661,617, Dec. 8.
Lighter, Cigarette. L. T. Ward. 2,626,517, Jan. 27.
Lighter, cigarette holder, and ash tray, Combination. A. Stevenson. 2,649,095, Aug. 18.
Lighter construction. L. Edelson. 2,641,118, June 9.
Lighter, Electrical cigarette. B. T. Jones. 2,635,171, Apr. 14.
Lighter, Flare stack. L. W. Schrader. 2,648,376, Aug. 11.
Lighter for automobiles, Magazine cigarette. C. B. Cronan. 2,663,606, Dec. 22.
Lighter for handicapped persons, Pyrophoric. I. Florman. 2,647,383, Aug. 4.
Lighter for use in automotive vehicles, Cigar. E. S. Hiscar. 2,630,517, Mar. 3.
Lighter, Friction type. W. d'Alton. 2,638,763, May 19.
Lighter, Friction wheel. M. Kohn. 2,658,369, Nov. 10.
Lighter fuel feeding structure. W. I. Nissen. 2,626,518, Jan. 27.
Lighter, Gas fueled cigar. A. H. Aronson. 2,637,990, May 12.
Lighter, Gas pilot. W. T. Lynch. 2,642,084, June 16.
Lighter, Mechanical. S. Bachrach. 2,657,562, Nov. 3.
Lighter, Oven. R. A. Biggs. 2,637,989, May 12.
Lighter, Plug type. J. E. Wood. 2,637,799, May 5.
Lighter, Pocket. J. E. Peterson. 2,633,723, Apr. 7.
Lighter, Pyrophoric. L. Bolle. 2,629,998, Mar. 3.
Lighter, Pyrophoric. A. Racek and J. Raganitsch. 2,633,725, Apr. 7.
Lighter, Pyrophoric. H. C. H. Smyth. 2,652,706, Sept. 22.
Lighter, Table. F. N. Mariani. 2,624,187, Jan. 6.
Lighter with auxiliary divided chamber, Pyrophoric. S. G. Lipic. 2,629,955, Mar. 3.
Lighter with luminous indicator, Cigar. A. J. Kroll and A. W. Schnick. 2,648,758, Aug. 11.
Lighting attachment for electric alarm clocks, Automatic. G. Stein. 2,636,336, Apr. 28.
Lighting control apparatus. R. G. Williams. 2,642,553, June 16.
Lighting control system. R. G. Williams. 2,651,743, Sept. 8.
Lighting control system. R. G. Williams. 2,657,338, Oct. 27.
Lighting control unit, Street. E. H. Yonkers, Jr. 2,659,840, Nov. 17.
Lighting device and making same, Highway. H. C. Pfaff, Jr. 2,653,782, Sept. 29.
Lighting device for jack-o'-lanterns and other Halloween toys. H. S. Root. 2,631,224, Mar. 10.
Lighting fixture. A. L. Judson. 2,642,561, June 16.
Lighting fixture and curtain holder, Combination. W. J. Mellner. 2,662,163, Dec. 8.
Lighting fixture, Fluorescent tube. R. M. Garth. 2,631,226, Mar. 10.
Lighting fixture for elongated tubular fluorescent lamps. C. D. McCann. 2,640,911, June 2.
Lighting fixture for elongated tubular lamps. G. Smith. 2,640,146, May 26.
Lighting fixture having a retractable lamp and reflector adjustable about horizontal and vertical axes, Recessed. N. R. Schwartz. 2,636,979, Apr. 28.
Lighting fixture having air-cooled lamp and ballast chamber, Fluorescent. W. S. Akely. 2,641,687, June 9.
Lighting fixture having angularly upwardly directed spot lamps. D. Solomon. 2,658,137, Nov. 3.
Lighting fixture hinge construction. G. W. Ledbetter. 2,644,556, July 7.
Lighting fixture which may be used individually or attached to similar fixture. H. L. Goebel. 2,625,646, Jan. 13.
Lighting fixture with adjustable spotlight, Recessed. A. H. Feder. 2,649,535, Aug. 18.
Lighting fixture with drop hinged cover, Recessed. R. Pryne. 2,639,368, May 19.
Lighting outfit subassembly machine. J. Sakirsky. 2,624,101, Jan. 6.
Lighting structure for elongated tubular lamps, Collapsible. E. P. Kochale, Jr., and W. A. Weibel. 2,632,096, Mar. 17.
Lighting system and apparatus. F. H. Skrotzki. 2,637,833, May 5.
Lighting system and luminaires for use therein, Yard and street. K. Franck. 2,662,165, Dec. 8.
Lighting system, Artificial fireplace. F. F. Constantine. 2,631,040, Mar. 10.
Lighting system for aircraft, Landing approach. G. H. Stocker. 2,634,399, Apr. 7.
Lighting system for lubrication cabinets or the like. C. W. Ginter. 2,627,837, Feb. 10.
Lighting system, Gaseous discharge tube. M. Nathanson. 2,629,072, Feb. 17.
Lighting unit and manufacture, Sealed. R. K. Braunsdorff. 2,644,100, June 30.
Lighting unit, Vented explosion-proof. C. H. Bissell. 2,652,482, Sept. 15.
Lightning arrester. E. J. De Val and O. Ackermann. 2,663,817, Dec. 22.
Lightning arrester. E. J. Ehrbar. 2,650,325, Aug. 25.
Lightning arrester. C. W. Petersen. 2,628,323, Feb. 10.
Lightning arrester. H. O. Stoelting. 2,650,330, Aug. 25.
Lightning arrester. H. O. Stoelting. 2,661,439, Dec. 1.
Lightning arrester. S. Teszner. 2,659,842, Nov. 17.
Lightning arrester. E. H. Yonkers, Jr. 2,628,322, Feb. 10.
Lightning arrester and parts therefor. J. W. Kalb. 2,640,096, May 26.
Lightning arrester, Expulsion type. T. I. Eldridge, Jr., W. H. Young, and F. G. MacRae. 2,664,518, Dec. 29.
Lignin fertilizer base, Making a. A. M. Thomsen. 2,663,628, Dec. 22.
Lignocellulose pressure molded article, Making. R. V. Williamson. 2,645,587, July 14.
Limb for manikins, Articulated. C. Barrango. 2,632,586, Mar. 24.
Limb protector or guard. J. M. Woodward. 2,640,989, June 9.
Lime burning apparatus and method. T. C. Tayler. 2,624,562, Jan. 6.
Limit control system for reversible motors. A. H. Myles. 2,636,156, Apr. 21.
Limit stop mechanism. R. H. Anderson. 2,631,709, Mar. 17.
Limiting stresses in elongated elastic structures. J. F. Kendrick. 2,631,011, Mar. 10.
Limiting the supply of fuel to continuous combustion turbine engines during accelerations of the latter, Means for. F. H. Carey. 2,638,742, May 19.
Limousine partition. K. T. Keller. 2,632,668, Mar. 24.
Line and valve system for fluidized particle handling. P. W. Cornell. 2,664,338, Dec. 29.
Line-attaching device. G. R. Powell. 2,626,438, Jan. 27.
Line blind. L. S. Hamer. 2,635,643, Apr. 21.
Line boring machine, Manually centered. E. A. Foster. 2,651,221, Sept. 8.
Line circuit without relays. R. B. Buchner. 2,657,270, Oct. 27.
Line clamp and mounting tool therefor. S. P. Becker, R. B. Schoonmaker, and H. R. Wengen. 2,633,043, Mar. 31.
Line-contact transistor. J. I. Pantchechnikoff. 2,641,638, June 9.
Line controlling device for use with fishing reels. P. Mauborgne. 2,648,505, Aug. 11.
Line feeder for high-pressure oil wells. K. A. Summers. 2,630,180, Mar. 3.
Line finder dual-allotter system. F. Kessler. 2,656,416, Oct. 20.
Line-finder stopping circuit. R. B. Buchner. 2,662,119, Dec. 8.
Line finder with differential test relay. W. T. Powell. 2,661,396, Dec. 1.
Line-gripping device for props. W. G. Hume. 2,640,236, June 2.
Line holder. H. R. Rogant. 2,644,993, July 14.
Line holder for winches. G. R. Hunt. 2,625,373, Jan. 13.

Line identification trouble indicator. I. H. Henry. 2,657,271, Oct. 27.
Line locking and margin releasing mechanism for typewriting machines. L. B. Hill and C. Walker. 2,644,566, July 7.
Line making attachment for typewriters. E. G. Mosher. 2,642,977, June 23.
Line number and page end margin indicator for typewriters. P. S. Wamsley. 2,626,697, Jan. 27.
Line-sectionalizer integrator. A. W. Edwards and J. M. Wallace. 2,644,114, June 30.
Line shaft guide bearing. T. R. Mackay and P. L. Angel. 2,663,599, Dec. 22.
Line spooling device for fishing reels. L. D. Graham. 2,639,870, May 26.
Line stopper shell cutter. F. H. Mueller. 2,662,428, Dec. 15.
Line transposition bracket with reinforcing gussets. R. Case. 2,655,553, Oct. 13.
Line wire transposition bracket. F. G. Ridgers. 2,634,313, Apr. 7.
Linear motion device. E. Abrahamson. 2,650,312, Aug. 25.
Linear motion magnetic motor. R. Scheib, Jr. 2,655,132, Oct. 13.
Linear polyamide from disubstituted malonic acid and process. S. B. Speck. 2,631,992, Mar. 17.
Linear polyamides, Preparing. E. E. Magat. 2,659,713, Nov. 17.
Linear polyester composition. J. C. Shivers, Jr. 2,647,104, July 28.
Linear polyester plasticizers. W. M. Smith, Jr., and R. J. Reid. 2,647,098, July 28.
Linear polyester resins. P. Kass. 2,634,251, Apr. 7.
Linear polyester resins. P. Kass. 2,662,069, Dec. 8.
Linear polyesters from stilbene dicarboxylic acids. J. C. Butler and D. C. McGowan. 2,657,194, Oct. 27.
Linear polymers from stilbene dicarboxylic acid. W. G. Toland, Jr. 2,657,195, Oct. 27.
Linear rectifier. C. A. Lovell. 2,641,695, June 9.
Linear sawtooth generator. T. E. Woodruff. 2,661,420, Dec. 1
Lined reactor. H. J. Nebeck. 2,634,194, Apr. 7.
Lined tubing, Method and apparatus for making. L. J. Fitz Harris. 2,632,205, Mar. 24.
Liner for autoclaves, Protective. J. H. Bolvinet. 2,633,414, Mar. 31.
Liner for garbage cans, Disposable. W. H. Gravatt. 2,634,880, Apr. 14.
Liner for rubber sheeting. E. Gurin and K. Fox. 2,639,249, May 19.
Liner for steel barrels. E. R. Koppel. 2,625,297, Jan. 13.
Liner for the jaw faces of pipe wrenches. E., S. E., and M. H. Vergnani. 2,637,236, May 5.
Liner for vessels, Continuous helical. W. H. Probst. 2,631,015, Mar. 10.
Liner support and closure for acid resistant drums. C. Negola. 2,652,172, Sept. 15.
Lines for racquets, Manufacture of. J. T. Crandall. 2,649,833, Aug. 25.
Lining and edge finishing machine, Combination. L. Triolo. 2,644,375, July 7.
Lining bearings with molded bushings. L. C. Miller. 2,644,199, July 7.
Lining for centrifugal iron casting molds. J. Burchartz. 2,645,558, July 14.
Lining for earth constructions. E. Stengel and G. Klotz. 2,659,210, Nov. 17.
Lining machine, Cesspool. O. C. Stine. 2,650,477, Sept. 1.
Lining machine, Dishware. H. V. Schweitzer. 2,645,200, July 14.
Lining rigid pipe with elastic thermoplastics. J. H. Reilly. 2,664,373, Dec. 29.
Lining with cement mortar underground conduits having branch lines. J. P. Cummins. 2,624,095, Jan. 6.
Lingerie accessory. D. B. Jackson. 2,657,392, Nov. 3.
Link, Adjustable. F. D. Sawyer. 2,648,997, Aug. 18.
Link drive for isolating torsional vibration, Flexible. R. W. Guernsey and R. C. Uirey. 2,653,457, Sept. 29.
Link for pipecutting tools, Detachable. J. B. Gill. 2,641,103, June 9.
Link for potato chains, Master. D. S. Potts. 2,633,228, Mar. 31.
Link-plate seal for catapult slotted cylinders. W. S. Baer, Sr. 2,648,310, Aug. 11.
Link post construction for binders. P. O. Derringer and R. W. Davis. 2,629,224, Feb. 24.
Link rod joint. J. H. Booth and B. E. Ricks. 2,650,119, Aug. 25.
Linkage for lift trucks. C. S. Schroeder. 2,643,894, June 30.
Linkage manually operable to shift the set point of one or two control instruments. L. Gess. 2,625,167, Jan. 13.
Linking machine, Sausage. E. W. Anderson. 2,641,798, June 16.
Linoleum binder containing esters formed by reacting unsaturated drying oil fatty acids and hydroxyalkyl ethers of polyhydric alcohols. C. T. Fiscella. 2,629,668, Feb. 24.
Linoleum cutter. S. F. and S. L. Bobrowski. 2,641,834, June 16.
Linoleum lifter. R. Goedken. 2,652,207, Sept. 15.
Linoleum paste and making same. L. L. Keene. Dec. 8.
Linoleum remover. J. Lovin. 2,655,976, Oct.
Linoleum scratch compositions. F. J. Hahn. Jan. 27.
Lint remover. M. T. Green. 2,658,217, Nov.
Lipbrush and housing therefor. H. Becker. Nov. 3.
Lip imprinting device. B. N. Greene and S. S. 2,646,054, July 21.
Lipstick assembly. J. De Mario. 2,628,624, Fe
Lipstick case. D. M. See. 2,629,488, Feb. 24.
Lipstick container. L. E. Isele. 2,630,216, M
Lipstick container. A. P. Lynn. 2,630,215, M
Lipstick holder. S. Frydlender. 2,663,414,
Lipstick sample holder. J. Macias-Sarria. Mar. 3.
Lipstick shaper. D. A. Prey. 2,625,943, Jan
Liquefied petroleum gas fuel system. M. 2,645,906, July 21.
Liquid actuated figure. P. L. Gertz. 2,634,54
Liquid addition product of an acetal and di of an alpha-beta unsaturated aliphatic d acid as an antifoaming agent for hydroc J. E. Fields. 2,652,369, Sept. 15.
Liquid and gas contacting apparatus. R. 2,631,828, Mar. 17.
Liquid applicator. P. S. Eagle. 2,647,273, A
Liquid applicator for animals. F. O. Worden. Sept. 29.
Liquid applicator for yarn. H. J. McDermott. June 16.
Liquid applicator of the roller type. G. 2,627,620, Feb. 10.
Liquid applicator, Revolvable ball type. L. 2,654,108, Oct. 6.
Liquid applying device for cables, wires, and C. J. Reigh. 2,651,288, Sept. 8
Liquid applying device, Gravity controlled Jockers. 2,630,593, Mar. 10.
Liquid applying means, Retractable. M. T. N 2,629,123, Feb. 24.
Liquid applying windshield cleaner. R. Deibel. Mar. 31.
Liquid clarification processes and systems. C. Ilster. 2,633,453, Mar. 31.
Liquid composition comprising a lower alkoxy G. Emblem, C. Shaw, and W. E. Lang 2,660,538, Nov. 24.
Liquid contact apparatus for cleaning ga McIlvaine. 2,662,756, Dec. 15.
Liquid control mechanism. T. B. Chace. 2,63 21.
Liquid control valve. H. H. Hobbs. 2,634,75
Liquid controlled device with self-cleaning Collins. 2,628,630, Feb. 17.
Liquid-controlling system. C. H. Odell. 2,65 20.
Liquid cooling and dispensing device. D. F 2,653,014, Sept. 22.
Liquid dielectric compositions. S. D. Ross, M. and M. Nazzewski. 2,653,912, Sept. 29.
Liquid discharge device for washing machin Briggs. 2,657,830, Nov. 3.
Liquid dispenser. D. Hester. 2,645,388, Jul
Liquid dispenser. R. R. Hull. 2,657,554, Nov.
Liquid dispenser. R. B. Misclone. 2,643,033
Liquid dispenser. W. P. C. Smith. 2,659,516,
Liquid dispensing solenoid valve. L. S. 2,634,757, Apr. 14.
Liquid dispersion separating device. C. 2,649,964, Aug. 25.
Liquid distributing tray. H. Tramm and 2,639,947, May 26.
Liquid distributor for cooling apparatus. L. 2,626,129, Jan. 20.
Liquid diverting apparatus. W. E. Parks West. 2,651,051, Sept. 8.
Liquid extraction with vacuum and heat. H 2,656,697–8, Oct. 27.
Liquid feeding apparatus. D. B. Bell. 2,642,88
Liquid feeding apparatus. D. B. Bell. 2,643,10
Liquid feeding system for internal-combustio W. C. Pierce. 2,643,648, June 30.
Liquid filled expansible chamber. T. 2,651,327, Sept. 8.
Liquid filling valve. L. McGihon. 2,652,965
Liquid flow indicator. A. Wittlin. 2,624,308.
Liquid flow system and apparatus. A. 2,643,670, June 30.
Liquid fuel burner. E. H. Haugen. 2,641,189
Liquid fuel combustion chamber. A. Huyton. June 16.
Liquid fuel composition and making same. R. F. M. Miller, and R. H. Stephens. 2,628,189,
Liquid fuel injection means for prime move Ifield. 2,659,382, Nov. 17.
Liquid fuel pump. F. M. Evans. 2,657,631,
Liquid fuel supply system for internal-comb lines with afterburners. F. H. Carey. Nov. 10.
Liquid fuel-supply system for prime movers o J. J. Righton. 2,658,565, Nov. 10.

Liquid-gas contact apparatus. W. H. Reeder. 2,628,159, Feb. 10.
Liquid-gas separator. J. H. Anderson. 2,626,006, Jan. 20.
Liquid graduate. E. L. Erickson. 2,625,823, Jan. 20.
Liquid hydrocarbon fuel from coal, Preparing. W. I. Gilbert and C. W. Montgomery. 2,654,695, Oct. 6.
Liquid indicator device. C. V. Gary and R. S. Dickert. 2,635,124, Oct. 13.
Liquid indophenol sulfurized-vat dyestuffs and making them. E. D. Robinson and D. F. Mason. 2,627,450, Feb. 3.
Liquid intake, Floating. W. E. Haselwood. 2,663,425, Dec. 22.
Liquid knockout apparatus. A. S. Parks. 2,638,223, May 12.
Liquid level actuated switch. E. H. Hurley. 2,658,970, Nov. 10.
Liquid level control. A. F. Hanney. 2,660,193, Nov. 24.
Liquid level control. R. W. Hippen and C. L. Murphy, Sr. 2,653,623, Sept. 29.
Liquid level control. E. M. Kelly. 2,633,863, Apr. 7.
Liquid level control. H. J. Rand. 2,645,915, July 21.
Liquid level control apparatus. B. L. Covert and H. E. Dahlquist. 2,657,341, Oct. 27.
Liquid level control apparatus. A. S. Parks. 2,649,771, Aug. 25.
Liquid level control means. W. S. Landon. 2,664,099, Dec. 29.
Liquid level control mechanism for washing machines. T. R. Smith. 2,635,445, Apr. 21.
Liquid level gauge. A. S. Griffith, Jr. 2,649,714, Aug. 25.
Liquid level gauge. L. I. Hall and R. A. Tollefsen. 2,630,715, Mar. 10.
Liquid level gauge. E. E. Hoskins. 2,653,477, Sept. 29.
Liquid level gauge. P. A. O'Neill. 2,656,611, Oct. 27.
Liquid level gauge. A. P. Sorber. 2,634,608, Apr. 14.
Liquid level gauge. I. Sørensen. 2,647,406, Aug. 4.
Liquid level gauge. R. C. Whitehead, Jr. and C. E. West. 2,625,820, Jan. 20.
Liquid level gauge. H. D. Yoder. 2,653,479, Sept. 29.
Liquid level indicating apparatus. R. J. Condon. 2,648,982, Aug. 18.
Liquid level indicating device. H. B. Breedlove. 2,648,058, Aug. 4.
Liquid level indicating device. F. R. Milson. 2,657,579, Nov. 3.
Liquid level indicator. K. B. Bredtschneider and H. Schappert. 2,633,021, Mar. 31.
Liquid level indicator. H. A. Quist. 2,634,612, Apr. 14.
Liquid level indicator. C. L. Seefluth. 2,640,269, June 2.
Liquid level indicator. J. B. Vogt. 2,660,058, Nov. 24.
Liquid level measuring apparatus. M. R. Dean and D. R. de Boisblanc. 2,660,059, Nov. 24.
Liquid level rate of change indicating device. J. T. Hayward and P. A. Wolff. 2,627,178, Feb. 3.
Liquid level regulating apparatus. S. G. Glick. 2,627,366, Feb. 3.
Liquid level regulator. H. Hillier. 2,638,078, May 12.
Liquid level responsive mechanism. B. L. Binford. 2,625,042, Jan. 13.
Liquid-liquid contacting apparatus. W. A. Williams. 2,652,316, Sept. 15.
Liquid-liquid contacting, Method of and apparatus for. S. C. Carney. 2,626,889, Jan. 27.
Liquid-liquid extraction process. H. A. Goldsmith. 2,651,646, Sept. 8.
Liquid-liquid fractionation of glyceride oils. S. W. Gloyer. 2,646,439, July 21.
Liquid metal ammino sulfa compounds. S. Rosenzweig and W. M. Fuchs. 2,629,682, Feb. 24.
Liquid meter. R. Duus. 2,644,333, July 7.
Liquid meter. F. D. Miles. 2,630,010, Mar. 3.
Liquid metering dispenser. R. E. Bruce and R. S. Goebel. 2,631,437, Mar. 17.
Liquid metering dispenser. A. M. Stevenson. 2,651,439, Sept. 8.
Liquid oxygen converter apparatus. W. A. Wildhack. 2,657,542, Nov. 3.
Liquid pepper composition and producing the same. C. Johnstone and F. R. Schumm. 2,626,218, Jan. 20.
Liquid pistol and spotlight, Combination. L. E. Badham. 2,629,516, Feb. 24.
Liquid polybutadiene, Production of. W. W. Crouch. 2,631,175, Mar. 10.
Liquid pressure transmission system. H. Terhune. 2,655,002, Oct. 13.
Liquid proportioner. J. J. Duggan. 2,629,448, Feb. 24.
Liquid pump. R. E. Gordinier. 2,635,553, Apr. 21.
Liquid pump. R. E. Gordinier. 2,639,670, May 26.
Liquid pump. E. A. Simonis and F. R. Heath. 2,651,553, Sept. 8.
Liquid pumping, Volatile. A. E. Steele. 2,632,302, Mar. 24.
Liquid sampler, Automatic. R. A. Werts. 2,641,934, June 16.
Liquid sampling device. E. H. Paulsen. 2,632,457, Mar. 24.
Liquid sampling device. A. L. Segelhorst and M. F. Spurlock. 2,663,192, Dec. 22.
Liquid seal drum. G. S. Houghland. 2,636,507, Apr. 28.
Liquid seal trap. K. M. Adair. 2,651,434, Sept. 8.
Liquid-separating device. E. F. Freese. 2,624,463, Jan. 6.
Liquid separator. E. L. Krieble. 2,626,709, Jan. 27.
Liquid settling of fluorescent screens. P. W. Krause. 2,662,829, Dec. 15.
Liquid soap dispenser. D. T. Mowbray. 2,628,744, Feb. 17.
Liquid soap dispenser. D. T. Mowbray. 2,652,952, Sept. 22.
Liquid spurt producing apparatus. C. R. Sacchini. 2,634,166, Apr. 7.
Liquid suction device. W. Gerstmann. 2,639,005, May 19.
Liquid treating apparatus, Variable detention. W. J. Hughes. 2,648,632, Aug. 11.
Liquid treating yarn traveling in a helical path, Method and apparatus for. G. M. Allen and J. W. Pedlow. 2,655,429, Oct. 13.
Liquid treatment device. E. Pick. 2,643,771, June 30.
Liquid-vapor phase differential fire and overheat detector and control and system. E. J. Poitras. 2,658,190, Nov. 3.
Lister. L. Wenger. 2,629,351, Feb. 24.
Lister or bedder, Tractor mounted. W. H. Silver and W. V. Lohrman. 2,631,513, Mar. 17.
Lithium-calcium lubricating grease composition. R. O'Halloran. 2,641,577, June 9.
Lithium chloride from spodumene, Preparation of. G. L. Cunningham. 2,627,452, Feb. 3.
Lithium hydroxy stearate grease compositions. J. B. Matthews, D. Evans, J. F. Hutton, and J. O. Cliffe. 2,631,616, Sept. 8.
Lithium hypochlorite-sodium sulfate composition, Intercrystallized. H. L. Robson. 2,640,028, May 26.
Lithium lubricating greases, Manufacture of. J. B. Matthews, D. Evans, W. D. Carswell, and J. F. Hutton. 2,629,695, Feb. 24.
Lithium modified magnesium treatment of cast iron. O. Smalley. 2,625,473, Jan. 13.
Lithium treated cast iron. O. Smalley. 2,661,283, Dec. 1.
Lithograph-plate preparation. W. H. Wood. 2,645,578, July 14.
Lithographic printing plates, Producing. W. J. Hausman. 2,637,929, May 12.
Litter carrier. M. D. Tate. 2,630,077, Mar. 3.
Litter hoisting sling. M. M. Fitzgerald. 2,635,913, Apr. 21.
Litter, Treated clay animal. S. E. Gibbs. 2,649,759, Aug. 25.
Live bait carrier and preserver, Portable. F. J. Demmer, Sr. 2,636,308, Apr. 28.
Live bait container. E. L. Johnson and E. J. Scofield. 2,656,640, Oct. 27.
Live bait container. J. E. Ormesher. 2,644,269, July 7.
Live bait holder. V. Hartman and O. B. Gladwell. 2,639,536, May 26.
Live bait saving bobber. S. L. Johnston. 2,629,198, Feb. 24.
Live line stick with said shield. P. J. Bott. 2,643,281, June 23.
Livestock feeder. E. E. Fields. 2,642,838, June 23.
Load application unit. J. W. Gaines. 2,647,400, Aug. 4.
Load bearing pivoted member for furniture mechanism. M. Fox. 2,660,462, Nov. 24.
Load bracing bar. D. W. Jordan. 2,631,009, Mar. 10.
Load bracing means. I. Johnsen, Jr. 2,640,442, June 2.
Load compensated transfer valve. C. Beck. 2,654,348, Oct. 6.
Load compensating network. R. B. Dome and R. F. Foster. 2,629,819, Feb. 24.
Load control apparatus. D. R. Hyer and E. E. Lynch. 2,641,716, June 9.
Load discharging car. G. B. Dorey. 2,630,768, Mar. 10.
Load equalizing device. M. S. De Lay. Re. 23,704, Sept. 1.
Load equalizing device for thrust bearings. A. W. Burks. 2,626,842, Jan. 27.
Load equalizing device for thrust bearings. A. W. Burks. 2,630,354, Mar. 3.
Load limiter. A. Van Ryan and W. R. Harry. 2,645,726, July 14.
Load moving attachment for tractors. W. H. Silver and W. V. Lohrman. 2,630,232, Mar. 3.
Load raising device. E. L. Baugh and D. D. Wallace. 2,635,427, Apr. 21.
Load release for parachutes and the like, Mechanical. L. P. Frieder and W. S. Finken. 2,634,155, Apr. 7.
Load retaining strip. H. C. Lau. 2,659,432, Nov. 17.
Load supporting and clamping arms for hand trucks with tiltable carrier frames. R. Jackson. 2,643,013, June 23.
Load suspending device. R. C. Davis. 2,631,031, Mar. 10.
Load suspension link. F. W. Jessop. 2,626,175, Jan. 20.
Load weighing system for lift trucks and the like. W. M. Wise. 2,643,781, June 30.
Loader and elevator attachment for vehicles. H. L. Purdy. 2,661,105, Dec. 1.
Loader, Bale. C. Hansen. 2,643,604, June 30.
Loader for supporting and elevating tables. W. H. Smith. 2,631,850, Mar. 17.
Loader for tractors. R. M. Ulrich. 2,630,930, Mar. 10.
Loader for tractors, Rear-end. C. B. Richey. 2,624,481, Jan. 6.

Loader, Power actuated conveyer type. R. D. MacDonald. 2,639,022, May 19.
Loading and cocking mechanism for target traps. J. K. Lyon. 2,626,596, Jan. 27.
Loading and unloading apparatus. J. V. Davis. 2,645,186, July 14.
Loading and unloading apparatus. T. J. Maas. 2,646,182, July 21.
Loading apparatus. E. F. Meltz. 2,629,506, Feb. 24.
Loading apparatus. E. J. Mertes. 2,649,217, Aug. 18.
Loading apparatus. S. M. Nampa. 2,638,318, May 12.
Loading apparatus, Car. R. A. Cline and A. Docl. 2,634,871, Apr. 14.
Loading apparatus for ring clinching devices. A. C. Lind and B. M. Zuhn. 2,624,880, Jan. 13.
Loading apparatus, Hydraulically operated. D. S. Hoover. 2,648,449, Aug. 11.
Loading apparatus, Material. C. N. Bebinger. 2,650,692, Sept. 1.
Loading apparatus, Material. C. N. Bebinger. 2,655,246, Oct. 13.
Loading attachment for tractors. C. F. and M. E. Speicher. 2,628,730, Feb. 17.
Loading base. R. E. Spring. 2,643,081, June 23.
Loading device. H. G. Cantrell. 2,653,721, Sept. 29.
Loading device, Boat. J. N. McMillan. 2,663,473, Dec. 22.
Loading device, Carton. J. F. Currivan. 2,644,625, July 7.
Loading device for bottles and the like containers, Automatic. R. Détrez. 2,648,419, Aug. 11.
Loading device for dump trucks and the like. R. L. Pherson. 2,641,370, June 9.
Loading device, Shell. R. C. Rollings. 2,640,386, June 2.
Loading device, Truck. G. W. Owen. 2,648,451, Aug. 11.
Loading dump truck body. J. E. Dalton. 2,624,484, Jan. 6.
Loading machine. R. S. Bigelow. 2,630,902, Mar. 10.
Loading machine. R. H. Goodrich. 2,639,023, May 19.
Loading machine. S. C. Moon. 2,653,696, Sept. 29.
Loading machine. J. D. Russell. 2,638,200, May 12.
Loading machine, Automatic crate. E. H. Britt. 2,644,626, July 7.
Loading machine, Automatic part. C. S. Kasper. 2,661,881, Dec. 8.
Loading machine, Blasting initiator. C. R. Johnson and E. H. Schmidt. 2,660,914, Dec. 1.
Loading machine, Carton. C. R. Swafford. 2,662,356, Dec. 15.
Loading machine, Coal. C. R. Fry. 2,650,691, Sept. 1.
Loading machine for partially filled bags. E. G. Brunsvold. 2,646,162, July 21.
Loading machine for shells, including automatic inspection means. W. S. Reynolds, J. R. Turner, and L. C. Frandsen. 2,663,421, Dec. 22.
Loading machine, Underground. S. C. Moon. 2,633,973, Apr. 7.
Loading mechanism, Dispensing machine. E. L. Hadden. 2,659,644, Nov. 17.
Loading mechanism for guns. H. W. Aldrin and S. G. Gerdin. 2,655,079, Oct. 13.
Loading mechanism for mortars. M. F. Healy. 2,643,582, June 30.
Loading mechanism for offset tractors. S. S. Pokorny. 2,638,235, May 12.
Loading mechanism for tractors. J. Chaves. 2,627,989, Feb. 10.
Loading motor transports. P. J. Huebshman. 2,647,010, July 28.
Loading station, Automatic car. T. F. McCarthy. 2,659,498, Nov. 17.
Loading system. M. J. Stieve. 2,630,076, Mar. 3.
Lobster and crab catcher. J. H. Richa. 2,656,642, Oct. 27.
Lobster plug. T. M. Prudden. 2,635,283, Apr. 21.
Local transmitter frequency control circuit. E. Labin, S. Frankel, and M. Silver. 2,641,693, June 9.
Localization system. E. L. G. Torcheux and E. A. H. Honoré. 2,651,032, Sept. 1.
Localizer and swamping antenna, Combination. J. P. Shanklin. 2,637,815, May 5.
Locating fish for beheading. N. L. Oates. 2,625,708, Jan. 20.
Locating means for calculating machines, Full cycle. G. C. Chase. 2,633,220, Mar. 31.
Locator for airplanes, Straight course. O. S. Field. 2,638,590, May 12.
Locator for fish. N. L. Oates. 2,625,706, Jan. 20.

Lock: *See*—
Aircraft door lock.
Antiflapping lock.
Antipick cylinder type lock.
Auto door lock.
Automatic differential lock.
Automatic lock.
Automobile door safety lock.
Automobile safety ignition lock.
Automobile seat lock.
Automobile trunk lock.
Axle and differential lock.
Band clamp lock.
Bedrail and slat lock.
Bicycle lock.
Burglar alarm safety lock.
Car door lock.
Caster wheel lock.
Closure lock.
Combination door lock.
Combination lock.
Control lock.
Cylinder lock.
Dead latching door lock.
Door lock.
Doorknob actuated lock.
Double element setback lock.
Electric door lock.
Electrically controlled lock.
Folding table leg lock.
Flush type door lock.
Freight car door lock.
Garbage can cover lock.
Garbage can safety lock.
Gas jet safety lock.
Gas tank lock.
Gate valve pressure lock.
Hook lock.
Hotel lock.
Key-in-knob lock.
Keyless tumbler lock.
Latch spindle lock.
Lever tumbler cylinder lock.
Motorcycle lock.
Oar lock.
Off-center lock.
Outboard motor lock.
Panic lock.
Pendulum lock.
Piston lock.
Pitch lock.
Plunger type lock.
Push-button combination lock.
Push key operated lock.
Rear compartment lock.
Reel arbor lock.
Rotary and slide lock.
Rotary cylinder lock.
Rotary type motor door lock.
Safety lock.
Safety shower stall lock.
Sash lock.
Self-relocking combination lock.
Side bar cylinder lock.
Spring lock.
Telephone lock.
Tie rod lock.
Toilet seat cover lock.
Vehicle door lock.
Vehicle train lock.
Window lock.

Lock. F. McConnell. 2,636,376, Apr. 28.
Lock. A. Schoepe and J. W. Sinclair. 2,648,559, Dec. 8.
Lock. N. A. Welch and W. J. Zeigenhein.
Lock and bolt operating mechanism for p screens. C. W. Kelly. 2,645,924, July 21.
Lock and key, Permutation. P. D. P. Villalba. Nov. 24.
Lock and light control switch arrangement, Doo Kelley and G. Adamec. 2,637,801, May 5.
Lock and seal device, Combined. I. J. 2,655,805, Oct. 20.
Lock attachment, Luminous. B. Heinz. 2,658,15
Lock body with name plate, Laminated. S. V. 2,662,385, Dec. 15.
Lock bolt retainer. C. Raivetz. 2,630,005, Ma
Lock collar for trailer kingpins. G. L. Lucas, V wards, and R. S. Chaffin. 2,656,706, Oct. 2
Lock control, Self-releasing. M. Sultan. 2,653, 22.
Lock for adjustable chair backs, Hydraulic. J. N 2,630,887, Mar. 10.
Lock for automobile doors, Safety. F. Ziomek. Dec. 1.
Lock for automobiles, Outside auxiliary door Diesel. 2,644,709, July 7.
Lock for band saw tensioning mechanism, Safet Crane. 2,644,492, July 7.
Lock for clotheslines. P. Tapernoux. 2,646,604
Lock for containers. A. Kraus. 2,645,112, July
Lock for corrugated fiberboard boxes, Corner. guson. 2,660,364, Nov. 24.
Lock for doors. R. Robertson. 2,634,147, Apr.
Lock for engines, Ignition. G. W. Baumann. Aug. 4.
Lock for fifth wheel king pins. S. D. Gallagh Lamversie. 2,641,124, June 9.
Lock for firearms, Safety. R. L. Magaro. Jan. 20.
Lock for firearms, Safety. R. L. Magaro. Dec. 8.
Lock for freight trailers, King pin. S. W. 2,630,699, Mar. 10.
Lock for lighter lids, Safety. R. Wiessner. May 5.
Lock for looms, Shuttle. J. Chapman, Sr. and J nolds, Sr. 2,661,775, Dec. 8.
Lock for outboard motors, Resilient tilting. Kircher, R. C. Heidner, and W. B. Burkett. July 21.
Lock for pressing machines, Lever. J. M. Berr C. E. Robertson, Jr. 2,657,840, Nov. 3.
Lock for pressure cookers, Safety. E. H. W 2,627,997, Feb. 10.
Lock for pumps, Pull rod. E. T. Ingram. Sept. 8.
Lock for refrigerator doors or other closures Groeger. 2,655,395, Oct. 13.
Lock for sectional, folding table tops. R. L. 2,647,811, Aug. 4.
Lock for storm sash. I. H. Schwartz. 2,651, 15.
Lock for switches, Safety. E. R. McKitrick. Dec. 15.
Lock for thermostats. T. Stiler. 2,655,806, Oc
Lock for tire chains, Cross link controlled Herbrick. 2,636,534, Apr. 28.
Lock for typewriter desks. C. W. Koch. 2,656 20.
Lock for ventilator dampers. A. L. Erickson. Mar. 31.
Lock guard. F. A. Trachsler. 2,631,881, Mar. 1
Lock hasp. W. E. Atkinson. 2,637,584, May 5
Lock housing. A. R. Adams, E. D. Grizzard, Cady. 2,653,843, Sept. 29.

Lock joint cradle invert underdrain pipe. D. B. Dimick. 2,648,200, Aug. 11.
Lock lid, Garbage or ash can. O. J. Huggins. 2,654,623, Oct. 6.
Lock means for door control mechanism. E. L. Allen, A. R. de Vito, and H. B. Muster. 2,658,375, Nov. 10.
Lock means for door control mechanism. E. L. Allen. 2,658,782, Nov. 10.
Lock means for postage metering devices, Operational. E. Persson. 2,655,315, Oct. 13.
Lock mechanism. E. N. Jacobi. 2,650,492, Sept. 1.
Lock mechanism. F. J. McConnell and I. J. Fletcher. 2,645,927, July 21.
Lock mechanism. F. Nilsson. 2,656,707, Oct. 27.
Lock mechanism, Coin control. W. W. Dennin. 2,641,347, June 9.
Lock mechanism, Coin-controlled. W. Stackhouse. 2,649,949, Aug. 25.
Lock mechanism for extension slide tables. B. A. Woina and A. W. Richards. 2,661,257, Dec. 1.
Lock mechanism for retractable landing gear for aircraft, Up and down. J. H. Allen. 2,661,171, Dec. 1.
Lock mechanism, Pitch. J. E. Anderson. 2,635,702, Apr. 21.
Lock mechanism, Reversible tubular. F. K. Heyer. 2,649,325, Aug. 18.
Lock mechanism, Weather sealed. E. N. Jacobi. 2,655,031, Oct. 13.
Lock nut. R. E. Curran. 2,648,367, Aug. 11.
Lock nut. J. H. Le Boeuf. 2,627,293, Feb. 3.
Lock nut assembly. E. W. Pummill. 2,646,098, July 21.
Lock nut, High-powered. E. V. Morley. 2,641,293, June 9.
Lock-nut structure. H. E. Smith, Jr. Re. 23,640, Mar. 31.
Lock nut with contractable core, Domed. O. R. Misch. 2,643,696, June 30.
Lock nuts, making. O. R. Misch. 2,651,060, Sept. 8.
Lock-off device for electric switches. R. P. Ballou. 2,625,617, Jan. 13.
Lock out and recycling device for an apparatus for determining the listening habits of wave signal receiver users. S. A. Scherbatskoy and R. L. Freeman. 2,660,511, Nov. 24.
Lock release operated switch. M. J. Noregaard. 2,648,729, Aug. 11.
Lock retainer. O. J. Poupitch. 2,633,011, Mar. 31.
Lock seam for pipe sections. W. J. Gray. 2,634,761, Apr. 14.
Lockseamer for corrugated radiator core blanks. A. G. Vogt. 2,638,861, May 19.
Lock slider, Automatic. O. Firing. 2,634,485, Apr. 14.
Lock slider, Automatic. O. Firing. 2,635,314, Apr. 21.
Lock slider for separable fastener stringers, Spring pin. L. H. Morin. 2,634,486, Apr. 14.
Lock slider for slide fasteners, Automatic. F. Ulrich and C. Disinger. 2,629,912, Mar. 3.
Lock slider, Safety automatic. L. H. Morin. 2,646,605, July 28.
Lock stitch machine, Rotary take-up. C. F. Rubel. 2,628,583, Feb. 17.
Lock stitch sewing machine under bed mechanism. R. K. Hohmann and J. T. Dravinski. 2,651,274, Sept. 8.
Lock structure, Electric. W. Raphael. 2,629,029, Feb. 17.
Lock system for automobiles. F. H. Seaver and R. J. Britt. 2,637,196, May 5.
Lockup device, Printer's. H. J. Hilland. 2,663,258, Dec. 22.
Lock washers, Means for and method of producing sheet metal. C. A. Rees. 2,636,253, Apr. 28.
Lock with alarm, Till. M. Rotman. 2,649,070, Aug. 18.
Lock with freely rotating key plug, Tumbler. R. H. Diesel. 2,648,972, Aug. 18.
Lock with key ejector. W. H. Gill and T. E. Darrah. 2,641,920, June 16.
Lock with key-way obstructing means, Cylinder. J. V. Oroquieta. 2,641,125, June 9.
Lock with roller bearing support of bolt. E. R. Freeberg. 2,656,708, Oct. 27.
Locked paper box. R. McReary. 2,654,526, Oct. 6.
Locker, Clothes. E. C. Sterba. 2,643,171, June 23.
Locker construction. J. B. O'Connor. 2,651,559, Sept. 8.
Locking and release mechanism for multiposition units. H. S. Gleason. 2,630,364, Mar. 3.
Locking and resetting means for gyroscopes. S. P. Clurman. 2,651,205, Sept. 8.
Locking arrangement for blading of axial-flow turbines and compressors. L. Haworth and J. A. Petrie. 2,660,413, Nov. 24.
Locking-bolt operating structure. H. J. Troche and J. H. Holan. 2,637,585, May 5.
Locking collar. S. M. Cooper. 2,650,141, Aug. 25.
Locking construction for paperboard containers, Corner. R. E. Acker. 2,652,185, Sept. 15.
Locking controls, Filing cabinet. R. E. McClellan. 2,653,070, Sept. 22.
Locking coupler. J. J. Funk. 2,657,073, Oct. 27.
Locking device. N. O. Holmsten. 2,648,968, Aug. 18.
Locking device. P. Hopp. 2,634,938, Apr. 14.
Locking device. M. Jones. 2,648,971, Aug. 18.
Locking device. G. Rauglas. 2,658,777, Nov. 10.
Locking device. L. Skeel. 2,632,536, Mar. 24.
Locking device, Coaxial dial. R. M. Sigmon, Jr. 2,643,632, June 30.
Locking device, Draft key retainer. M. S. Johnson. 2,627,198, Feb. 3.
Locking device for caps of up-twister machines. W. V. Henry. 2,649,683, Aug. 25.
Locking device for cold storage vault doors. C. M. Welshons. 2,630,004, Mar. 3.
Locking device for container inserts, Flap. C. F. Gibbons. 2,646,202, July 21.
Locking device for containers, Corner. C. F. Gibbons. 2,663,488, Dec. 22.
Locking device for electric plugs. R. Katz. 2,654,073, Sept. 29.
Locking device for indicating and control apparatus. T. M. Mathison. 2,647,484, Aug. 4.
Locking device for manually operated circuit breakers, Safety. C. P. Sorensen. 2,663,768, Dec. 22.
Locking device for nuts, Safety. E. C. Geistert. 2,642,108, June 16.
Locking device for registering apparatus of weighing scales, Fluid pressure operated. A. van Duyn. 2,639,136, May 19.
Locking device for retractable tub washers. F. Breckenridge. 2,628,148, Feb. 10.
Locking device for split-compressor type turbopower plants. W. H. Sens. 2,645,412, July 14.
Locking device for telescopic structures. Å T. Bergqvist. 2,643,143, June 23.
Locking device for toolholder carriage operating in both directions. C. W. Berthiez. 2,624,099, Jan. 6.
Locking device for toolholding or like set-screws. S. E. Proctor. 2,654,410, Oct. 6.
Locking device for track switches or the like. H. R. Smith. 2,649,537, Aug. 18.
Locking device for window latches. N. O. Holmsten. 2,648,967, Aug. 18.
Locking device, Valve stem. C. W. Bryant. 2,635,905, Apr. 21.
Locking latch. H. Quigley and H. Young. 2,648,560, Aug. 11.
Locking lift plug. L. W. Storm. 2,624,609, Jan. 6.
Locking lug for the center tube of a spool reel or warp beam, Torque resisting. R. V. Olson. 2,650,778, Sept. 1.
Locking means, Cord. I. Lundstrom. 2,645,284, July 14.
Locking means for doors, in particular for automotive vehicles. I. Stern. 2,661,621, Dec. 8.
Locking means for folding laryngoscopes. C. S. Cook and H. L. Becker. 2,646,037, July 21.
Locking means for lines, Pivoted. V. Martin. 2,661,514, Dec. 8.
Locking means for pivotal joints. S. W. Alderson. 2,661,479, Dec. 8.
Locking means for snap gauge measuring pins. E. H. Aldeborgh. 2,640,270, June 2.
Locking means, Resilient. T. R. Smith. 2,651,531, Sept. 8.
Locking means, Vehicle door. C. A. Chayne. 2,647,789, Aug. 4.
Locking mechanism. F. M. Jones. 2,647,287, Aug. 4.
Locking mechanism. L. D. Singleton. 2,634,965, Apr. 14.
Locking Mechanism, Door. J. Miller and A. Deutscher. 2,648,969, Aug. 18.
Locking mechanism for accounting machines. W. P. Loudon. 2,628,777, Feb. 17.
Locking mechanism for detention screens, Emergency releasable. L. E. Willett and F. R. E. Smith. 2,633,192, Mar. 31.
Locking mechanism for digging teeth, Removable point. E. L. Launder and C. C. Hosmer. 2,657,482, Nov. 3.
Locking mechanism for door latches. F. Kaiser. 2,634,598, Apr. 14.
Locking mechanism for hopper car doors, Door. G. B Dorey. 2,641,199, June 9.
Locking mechanism for restraining movement of an operating member from a preestablished position. M. Moore. 2,664,015, Dec. 29.
Locking mechanism, Hook. R. K. Hertel and G. F. Nicolson. 2,664,175, Dec. 29.
Locking mechanism, Hydraulic. R. E. Crandall, P. S. Kleven, and L. E. Baldwin. 2,664,255, Dec. 29.
Locking mechanism, Numeral wheel. C. F. Webb. 2,662,690, Dec. 15.
Locking mechanism, Quick release. F. R. Gardner. 2,628,854, Feb. 17.
Locking reels on arbors, Means for. C. E. Orr. 2,647,775, Aug. 4.
Locking stem adjustment valve. N. M. Huff. 2,652,226, Sept. 15.
Locking stem adjustment valve. V. C. Peterson and H. H. Nadasdy. 2,652,225, Sept. 15.
Locking structure, Folding box. S. Platt. 2,642,218, June 16.
Locking stud type molding fastener. W. A. Bedford, Jr. 2,644,213, July 7.
Locking system, Coincidental door. B. J. Craig. 2,659,230, Nov. 17.
Locking type clutch. Y. A. Bouget and C. E. Magnuson. 2,626,821, Jan. 27.
Locomotive, Compound steam. G. Baillot. 2,652,034, Sept. 15.

Locomotive, Electric. L. Heidmann. 2,638,056, May 12.
Locomotive, Gas turbine. H. A. Altorfer. 2,637,277, May 5.
Locomotive rail vehicle. G. H. Roesch. 2,638,057, May 12.
Locomotive, Railroad. F. B. Yingling. 2,638,798, May 19.
Locomotive regeneration control. C. E. Baston. 2,626,374, Jan. 20.
Locomotive wheel and axle drive assembly. W. Dalton. 2,625,116, Jan. 13.
Log bunk, High stake. F. W. Chriswell. 2,635,556, Apr. 21.
Log classifying machine. K. L. B. Johansson. 2,657,785, Nov. 3.
Log debarker for sawmills, Portable. J. R. Boswell. 2,652,867, Sept. 22.
Log debarker, Hydraulic. A. G. Rockwood. 2,643,691, June 30.
Log debarking machine having whirling and rotating bark-removing tools. O. R. Kolpe, K. and O. B. Andersson. 2,646,092, July 21.
Log-dogging and taper-setting apparatus, Combination. W. G. Saunders. 2,661,779, Dec. 8.
Log handling boom. C. H. Sparks and F. C. Turner. 2,626,715, Jan. 27.
Log sawmill for small dimension timber. I. Stagg. 2,651,335, Sept. 8.
Log shaping machine. E. Wilson. 2,645,253, July 14.
Log turner, Power operated push bar. J. Daubel. 2,639,738, May 26.
Log turner, Single cylinder fluid-actuated. D. C. Richardson. 2,655,185, Oct. 13.
Log turner with fulcrum stop, Power-operated. D. C. Richardson. 2,655,186, Oct. 13.
Logarithmic exposure meter. A. G. Stimson, K. Brynes, F. B. Jennings, and C. F. Taylor. 2,648,254, Aug. 11.
Logotype structure for calculating machines, Removable. E. M. Lippert. 2,662,473, Dec. 15.
Long-acting morphine injection. O. G. Salb. 2,625,501, Jan. 13.
Long scale electrical instrument. F. G. Kelly. 2,660,707, Nov. 14.
Longitudinal delivered rotary impact tool. J. C. Sharman. 2,638,807, May 19.
Longitudinally seamed pipe. A. B. Williams. 2,634,760, Apr. 14.
Loom: *See*—

All hand weaving adjustable loom.	Leno-weave loom.
Convertible loom.	Narrow ware loom.
Copless shuttle loom.	Needle loom.
Hand loom.	Pile fabric loom.
Hand weaving loom.	Ribbon loom.
	Weft replenishing loom.

Loom. A. Barzaghi. 2,652,860, Sept. 22.
Loom and actuation means for loom shuttles. A. Longoria. 2,652,073, Sept. 15.
Loom attachment for production of fringe. S. P. Parker. 2,620,404, Feb. 24.
Loom beam, Adjustable. J. K. Cochran. 2,641,421, June 9.
Loom for circular weaving. J. Dunod. 2,624,367, Jan. 6.
Loom for weaving. T. Hindle. 2,638,941, May 19.
Loom for weaving tufted pile fabrics. I. B. Bassindale. 2,647,543–4, Aug. 4.
Loom harness. J. J. Kaufmann. 2,625,958, Jan. 20.
Loom harness. J. J. Kaufmann. 2,635,645, Apr. 21.
Loom harness connector. F. H. Kaufmann. 2,659,394, Nov. 17.
Loom harness, Jacquard. T. J. Seel. 2,624,369, Jan. 6.
Loom knockoff means. F. F. Donoghue and H. N. Thibault. 2,658,534, Nov. 10.
Loom lug and check strap. H. Büchi. 2,629,405, Feb. 24.
Loom picker head. A. E. Chouinard. 2,625,181, Jan. 13.
Loom picking mechanism. W. A. Blanchard. 2,624,371, Jan. 6.
Loom picking motion. B. Heath. 2,649,118, Aug. 18.
Loom shuttle, Automatically threading. W. L. McIlargue. 2,659,395, Nov. 17.
Loom shuttle box with electric switch loom control. A. J. Dufourd and F. A. Lovshin. 2,625,183, Jan. 13.
Loom temple. T. Hindle. 2,638,938, May 19.
Loom weighting for weaving. H. Richmond. 2,655,948, Oct. 20.
Loom which pneumatically projects weft thread, Shuttleless. G. W. Dunham. 2,637,349, May 5.
Loom with continuous weft supply, Shuttleless. C. Villa and A. Moriani. 2,652,072, Sept. 15.
Loom with stationary weft supply, Weaving. G. Hazelton. 2,654,398, Oct. 6.
Loop control for toroidal coil winding. H. E. Cradduck. 2,643,067, June 23.
Loop drier girt. A. O. Hurxthal. 2,637,093, May 5.
Loop-forming attachment for tufting machines. W. V. Williams. 2,625,125, Jan. 13.
Loop forming tool for helical springs. J. L. Smith. 2,624,376, Jan. 6.
Loop pile fabric. E. F. Clark. 2,655,951, Oct. 20.
Loop-taker for sewing machines. R. E. Johnson. 2,657,658, Nov. 3.
Loop-taker mounting means for sewing machines. E. M. Hanf. 2,646,760, July 28.
Loop warp tension-variable beat-up apparatus for terry looms. T. C. Sippel. 2,625,956, Jan. 20.
Looper operating mechanism for sewing mach... Quist. 2,636,463, Apr. 28.
Looper throwout mechanism. E. Muecke. Mar. 3.
Loose-leaf binder. G. H. Ehlke. 2,661,004, Dec...
Loose-leaf binder. C. H. Lockwood. 2,637,32...
Loose-leaf binder. A. O. Marsh. 2,644,456, Ju...
Loose-leaf binder. W. McKowen. Re. 23,708, ...
Loose-leaf binder. J. B. Uthurriague. 2,641,2...
Loose-leaf binder. P. Witz. 2,637,326, May 5
Loose-leaf binding device. R. M. Lançols. 2,653... 29.
Loose-leaf book construction. G. T. Fielding. Dec. 22.
Loose-leaf calendar hanger. O. P. Winford. Jan. 27.
Loose-leaf post binder. W. E. Schroer. 2,659... 17.
Loose-leaf sheet calendar hanger. O. P. ... 2,626,817, Jan. 27.
Loose-leaf sheet dispenser. H. W. Marano. Mar. 31.
Loosening apparatus for wall coverings. A. ... pher. 2,628,610, Feb. 17.
Loosening rayon yarn packages by simultaneo... and deformation. C. D. Vandenburgh. 2,646... 21.
Lost motion measuring tool. C. G. Sibble. Oct. 20.
Lost motion or backlash compensation. W. K... 2,626,587, Jan. 27.
Loud-speaker. P. Varnet. 2,657,758, Nov. 3.
Loud-speaker baffle with elongated aperture for... of sound. R. Chapman and R. H. Trier. July 28.
Loud-speaker cabinet. J. Forrester. 2,646,85...
Loud-speaker diaphragm with transversely ar... ener means. S. E. Levy and A. B. Cohen. June 9.
Loud-speaker, Duplex. J. Braml. 2,638,510, ...
Loud-speaker, Electrostatic. A. A. Janszen. Mar. 10.
Loudspeaker, Immersible electrodynamic. J. ... Re. 23,724, Oct. 13.
Loud speaker system. J. E. Parker. 2,632,05...
Lounge chair. J. D. Bell. 2,633,181, Mar. 31.
Lounge chair. F. J. Luketa. 2,629,428, Feb. 2...
Lounge chair. F. J. Luketa. 2,655,199, Oct. 13...
Lounge, Convertible bed. T. S. Ziegenfuss. Mar. 10.
Louver. S. M. Ferman. 2,647,453, Aug. 4.
Louver actuating and fan motor control mechan... Mader. 2,632,377, Mar. 24.
Louver and screen structure, Combination. ... Jr. 2,636,558, Apr. 28.
Louver construction. J. H. Baxter and R. ... 2,649,629, Aug. 25.
Louver device for air conditioners, Adjustable... W. S. Stair. 2,632,375, Mar. 24.
Louver window and operating mechanism. E... tenberg. 2,637,547, May 5.
Low-frequency restoration circuit. J. W. Rieke... Mar. 3.
Low frequency simplified loran system. ... 2,628,351, Feb. 10.
Low-friction variable pulley disk mounting. J... 2,640,365, June 2.
Low height shortwall mining machine. ... 2,660,418, Nov. 24.
Low inertia type drag cup motor. N. H. Sailer. Sept. 22.
Low melting point plastic waxes, Manufactu... Tiedje and J. B. McGrath. 2,658,852, Nov...
Low oil control. J. B. Harrison and G. ... 2,637,302, May 5.
Low permeability separable fastener. L. ... 2,638,651, May 19.
Low-pressure alarm signal. E. G. Ellis. 2,63... 31.
Low reactance shunt. G. H. Fett and R. J. ... 2,640,092, May 26.
Low rate oil flow valve. M. A. Powers. 2,644,...
Low side drier. E. F. Hubacker. 2,645,912,...
Low-temperature absorption refrigeration. F... 2,650,480, Sept. 1.
Low-temperature carbonization of carbonaceo... M. Steinschlaeger. 2,642,387, June 16.
Low-temperature distillation of coal. J. ... 2,654,698, Oct. 6.
Low-temperature emulsion polymerization of ... organic compounds. E. J. Vandenberg. ... Aug. 11.
Low temperature food storage box structure ... for cooling machinery compartment. H. ... 2,645,100, July 14.
Low-temperature meterological balloons, Mak... Neison. 2,646,370, July 21.
Low tire indicator. A. C. Cope. 2,639,342,...
Low tire indicator switch. S. K. Moot. 2,647...
Low voltage electrochemical condenser of ... gravity. H. André. 2,660,695, Nov. 24.
Low voltage switch. F. L. Zellner. 2,632,072...

Low-water-loss cement slurry. P. J. Lea. 2,646,360, July 21.
Lower alkanoic acid esters of hyaluronic acid and the production thereof. Z. Hadidian and N. W. Pirie. 2,662,077, Dec. 8.
Lower alkyl-, carboxymethyl-, diethers of polyoxyalkylene glycols, Producing. A. B. Ash and D. R. Jackson. 2,653,972, Sept. 29.
Lower alkyl 4-substituted-2-(tertiary-aminoalkoxy) benzoates and their preparation. R. O. Clinton and S. C. Laskowski. 2,642,432, June 16.
Lubricant and hydraulic fluid compositions. F. J. Watson. 2,636,862, Apr. 28.
Lubricant and making same. J. D. Bartleson. 2,664,202, Dec. 29.
Lubricant and making same. D. Frazier. 2,637,722, May 5.
Lubricant compositions, Demulsifiable. H. S. Beretvas. 2,640,811, June 2.
Lubricant compositions, Demulsifiable. A. W. Lindert. 2,643,979, June 30.
Lubricant conditioning apparatus. E. M. May. 2,660,309, Nov. 24.
Lubricant distributor. C. F. Erikson. 2,626,015, Jan. 20.
Lubricant distributor and economizer. C. K. Sharp. 2,657,764, Nov. 3.
Lubricant, Emulsifiable metal-working. T. J. Nunn, J. W. Leach, and A. G. Rogers. 2,632,734, Mar. 24.
Lubricant, Extreme pressure. D. E. Adelson, G. L. Perry, and G. G. Pritzker. 2,628,941, Feb. 17.
Lubricant, Extreme pressure. E. B. Cyphers. Re. 23,671, June 23.
Lubricant, Extreme pressure. E. B. Cyphers and W. E. Waddey. 2,628,940, Feb. 17.
Lubricant feeder valve for centralized lubricating systems. J. T. Leonard. 2,627,939, Feb. 10.
Lubricant for metal rolling mills. L. W. Sproule and L. F. King. 2,632,347, Mar. 24.
Lubricant for pneumatic tools and the like. J. I. Wasson. 2,638,446, May 12.
Lubricant, Gear. F. P. Otto, L. W. Manley, and R. V. White. 2,638,447, May 12.
Lubricant injector. A. P. Fox and C. H. Mueller. 2,637,413, May 5.
Lubricant, Metal-working. W. C. Holmes. 2,645,614, July 14.
Lubricant pump. E. W. Davis. 2,627,814, Feb. 10.
Lubricant pump. F. C. Woelfer. 2,636,441, Apr. 28.
Lubricant seal. H. W. Alden. 2,631,071, Mar. 10.
Lubricant solution, Metalworking. F. C. Bersworth. 2,631,978, Mar. 17.
Lubricant, Yarn. J. L. Baggett and M. W. Duke. 2,637,693, May 5.
Lubricants. W. N. Axe and W. B. Whitney. 2,660,562, Nov. 24.
Lubricants, Thickened. E. C. Hughes and E. C. Milberger. 2,655,476, Oct. 13.
Lubricated gas meter. R. Newton. 2,654,248, Oct. 6.
Lubricated wing nut. N. D. Davidson and E. J. Henderson. 2,663,213, Dec. 22.
Lubricating and guarding means for sewing machines. H. Ritter. 2,627,830, Feb. 10.
Lubricating apparatus. W. G. Hoelscher. 2,637,412, May 5.
Lubricating apparatus. V. G. Klein. 2,650,677, Sept. 1.
Lubricating apparatus. V. G. Klein and P. Walls. 2,658,585, Nov. 10.
Lubricating apparatus. J. M. North. 2,634,885, Apr. 14.
Lubricating apparatus operating through shaking of the lubricant for settling same. H. A. Chinchole. 2,656,952, Oct. 27.
Lubricating apparatus, Spring. E. F. Mitan. 2,628,518, Feb. 17.
Lubricating bearings, Means for. D. G. Roos. 2,645,305, July 14.
Lubricating chains, Means for. K. B. Warwick. 2,655,222, Oct. 13.
Lubricating composition. D. E. Adelson. 2,652,367, Sept. 15.
Lubricating composition. D. E. Adelson and R. E. Thorpe. 2,645,613, July 14.
Lubricating composition. R. C. Barton, R. F. Bergstrom, and J. M. Plantfeber. 2,629,693, Feb. 24.
Lubricating composition. J. M. Butler. 2,661,335, Dec. 1.
Lubricating composition. G. G. Pritzker and D. E. Adelson. 2,624,707, Jan. 6.
Lubricating composition. P. V. Smith, Jr., and J. B. McPherson, Jr. 2,658,871, Nov. 10.
Lubricating compositions. J. B. Matthews and T. B. Grimshaw. 2,647,873, Aug. 4.
Lubricating compositions. P. R. McCarthy. 2,662,056–7, Dec. 8.
Lubricating compositions. P. R. McCarthy. 2,662,059, Dec. 8.
Lubricating device. R. Annen. 2,655,416, Oct. 13.
Lubricating device. M. C. Moore. 2,624,423, Jan. 6.
Lubricating device for sewing machines. A. N. Hale. 2,657,659, Nov. 3.
Lubricating device for the loopers of sewing machines. A. Mousset. 2,659,331, Nov. 17.
Lubricating device. Upper engine. L. M. Herzfeld. 2,658,494, Nov. 10.
Lubricating exhaust-valve shanks in combustion engines, Method of and means for. G. Pielstick. 2,633,111, Mar. 31.
Lubricating fittings, Making. A. L. Staley. 2,646,614, July 28.
Lubricating grease composition. R. J. Moore. 2,625,510, Jan. 13.
Lubricating grease compositions. A. J. Morway, D. W. Young, and D. L. Cottle. 2,642,397, June 16.
Lubricating grease compositions, Preparing. R. C. Jones and R. J. Wall. 2,652,366, Sept. 15.
Lubricating grease compositions, Preparing. R. J. Moore. 2,648,634, Aug. 11.
Lubricating oil, Compounded. M. W. Hill and R. H. Jones. 2,640,053, May 26.
Lubricating oil, Compounded. C. A. Weisel. 2,641,578, June 9.
Lubricating grease comprising a complex ester base and sodium myristate. J. P. Dilworth and C. H. Culnane. 2,639,266, May 19.
Lubricating grease, Fibrous. R. O'Halloran. 2,646,401, July 21.
Lubricating greases. J. Faust. 2,659,695, Nov. 17.
Lubricating greases, Manufacture of. E. Orno-Ornfeldt. 2,658,037, Nov. 3.
Lubricating greases thickened with calcium silicate. G. W. Eckert. 2,656,315, Oct. 20.
Lubricating means. D. M. Wood. 2,649,929, Aug. 25.
Lubricating means for tube mills. J. E. Kennedy. 2,661,813, Dec. 8.
Lubricating means, Presser-foot. E. E. Champlin. 2,630,089, Mar. 3.
Lubricating means for pneumatic door checks, closers, and the like. B. A. Quinn. 2,646,589, July 28.
Lubrication means for transmissions. P. Orr and K. M. Armantrout. 2,654,441, Oct. 6.
Lubricating mechanism, W. M. Alford. 2,664,323, Dec. 29.
Lubricating mechanism, Neck pin. G. E. Rowe. 2,638,718, May 19.
Lubricating oil additive. J. P. McDermott. 2,631,132, Mar. 10.
Lubricating oil additives, Preparation of. L. M. Welch and G. E. Serniuk. 2,655,549, Oct. 13.
Lubricating oil composition. D. S. Melstrom and F. J. Watson. 2,652,368, Sept. 15.
Lubricating oil composition of high viscosity and preparing same. R. L. Heinrich. 2,664,436, Dec. 29.
Lubricating oil compositions containing alkyl diphenylalkane monosulfonates. S. B. Lippincott, F. N. Baumgartner, and H. L. Yowell. 2,659,694, Nov. 17.
Lubricating oil, Compounded. M. W. Hill. 2,644,792, July 7.
Lubricating oil containing a metal salt of a condensation product of an alkyl substituted phenol and an olefin oxide. L. L. Neff. 2,659,696, Nov. 17.
Lubricating oil containing a monoester of a thiodiacetic acid. F. P. Richter and E. W. Fuller. 2,649,416, Aug. 18.
Lubricating oil, Preparation of. G. E. Reese and J. L. Larkin. 2,650,188, Aug. 25.
Lubricating oils containing an acyloxyacetic acid as a rust inhibitor. S. J. Wayo. 2,659,697, Nov. 17.
Lubricating oils containing metal derivatives of cyclic imides. J. R. Morris and J. R. Roach. 2,628,942, Feb. 17.
Lubricating oils containing metal salts of a condensation product of a substituted phenol and an allyl compound. L. L. Neff. 2,656,317, Oct. 20.
Lubricating oils containing metal salts of a condensation product of a substituted phenol and a vinyl compound. L. L. Neff. 2,656,316, Oct. 20.
Lubricating process with fibrous material in the hot extrusion of metals. J. Sejournet. 2,630,220, Mar. 3.
Lubricating system. K. E. A. Gothberg and S. Sandahl. 2,642,156, June 16.
Lubricating system. L. C. Rotter. 2,627,320, Feb. 3.
Lubricating system for internal-combustion engines and filter structure for use therein. C. P. Molyneux. 2,624,422, Jan. 6.
Lubricating system for the periphery of tires on landing gears for airplanes. J. H. Winterringer. 2,664,256, Dec. 29.
Lubricating system, Internal-combustion engine. J. C. Slonneger. 2,648,400, Aug. 11.
Lubricating system, Pressure. P. Skillman. 2,649,318, Aug. 18.
Lubrication and cooling of surfaces, Method of and apparatus for. H. E. Karig. 2,664,173, Dec. 29.
Lubrication apparatus. W. F. Wilhelm, Jr., and E. Gilbert. 2,642,155, June 16.
Lubrication of steam cylinders. S. C. Vaughn. 2,642,722, June 23.
Lubrication of track-borne mechanism. A. A. Saul. 2,631,068, Mar. 10.
Lubrication of wobble plate internal-combustion engines. G. C. F. J. G. Jamotte. 2,650,676, Sept. 1.
Lubrication system for reciprocatory plunger pump. W. E. W. Nicolls. 2,658,458, Nov. 10.
Lubrication system for vertically mounted bearings, Permanent. J. H. Powers. 2,637,605, May 5.
Lubrication warning signal switch. A. Kellenbenz. 2,653,205, Sept. 22.

Lubricator: *See*—
Air line lubricator.
Car wheel flange lubricator.
Car wheel lubricator.
Journal bearing lubricator.
Journal box lubricator.
Journal lubricator.
Pneumatic tool lubricator.
Pressure lubricator.
Railway axle box lubricator.
Railway axle journal lubricator.
Railway journal lubricator.
Tool joint lubricator.
Traction motor lubricator.
Tube sizing lubricator.
Lubricator applicator for car wheels. D. A. Kelly. 2,648,399, Aug. 11.
Lubricator for car wheel flanges. A. L. Harbison. 2,637,411, May 5.
Lubricator for handsaws, Saw blade. M. Moskoff. 2,625,188, Jan. 13.
Lubricator for internal-combustion engines, Upper-cylinder. D. M. C. Best and R. C. Clerk. 2,630,793, Mar. 10.
Lubricator for pneumatic tools. N. P. Boretti. 2,638,182, May 12.
Lubricator for wheel flanges. W. E. Burrell. 2,626,680, Jan. 27.
Lubricator pump. L. C. Rotter and V. G. Klein. 2,657,763, Nov. 3.
Lubricator structure, Railway journal box. J. J. Hennessy. 2,656,226, Oct. 20.
Lug strap. E. A. Mastriani and K. Kulczycki. 2,633,156, Mar. 31.
Lug wrench support. R. H. Kaster. 2,632,350, Mar. 24.
Luggage carrier. G. A. Sweetman. 2,659,464, Nov. 17.
Luggage carrier for automobiles, Collapsible. L. A. Edwards. 2,654,516, Oct. 6.
Luggage carrier for motor vehicles. R. M. Burmeister. 2,639,848, May 26.
Luggage carrier for vehicles. B. A. Parr. 2,641,396, June 9.
Luggage compartment and spare wheel carrier, Automotive vehicle. B. Walker. 2,647,012, July 28.
Luggage compartment cover. J. Donald, M. W. Stimson, and R. Birza. 2,649,940, Aug. 25.
Luggage compartment liner. J. Donald, M. W. Stimson, and R. Birza. 2,649,939, Aug. 25.
Luggage construction. M. Kushner. 2,628,694, Feb. 17.
Luggage construction, Reinforced. O. J. Ohanian. 2,644,558, July 7.
Luggage, Extensible. M. Suben. 2,635,721, Apr. 21.
Luggage handle. A. Caro. 2,624,431, Jan. 6.
Luggage handle. A. Knell. 2,652,909, Sept. 22.
Lumber shake. R. A. Wilde. 2,645,825, July 21.
Lumber sorter. H. E. Bovay, Jr., C. A. Lawler, and L. H. Wheeler. 2,636,601, Apr. 28.
Lumber receiving table for double-ended tenoner. H. H. Dedo. 2,638,135, May 12.
Luminaire for elongated tubular lamps. G. P. Wakefield. 2,659,811, Nov. 17.
Luminaire for street lighting. W. B. Elmer. 2,647,202, July 28.
Luminaire of the wall mounted type. V. S. Wince. 2,642,523, June 16.
Luminescent materials and preparation thereof. J. S. Prener. 2,636,010, Apr. 21.
Luminescent resins from aryl-substituted alkyl halides and alkenyl ethers of a polyhydroxy organic compound. E. M. Geiser. 2,654,732, Oct. 6.
Luminescent screen composition. C. W. Thierfelder. 2,654,675, Oct. 6.
Luminescent screens, Preparation of. M. L. Perl and J. R. Elliott. 2,647,841, Aug. 4.
Luminescent signaling device. K. L. Frost. 2,656,763, Oct. 27.
Luminescent tube support for sign structures and the like. R. Brown. 2,629,814, Feb. 24.
Luminiferous cane. W. Caustin and C. J. Gustafson. 2,642,519, June 16.
Luminous attachment for locks. B. Heinz. 2,629,057, Feb. 17.
Luminous body. W. V. Etzkorn. 2,644,113, June 30.
Luminous indicia dial for telephones. H. Ravin. 2,656,628, Oct. 27.
Luminous sign. P. A. Gadomski. 2,637,927, May 12.
Luminous sign. G. R. Harrison. 2,654,971, Oct. 13.
Luminous sign. D. H. Young and G. A. Houseman. 2,658,295, Nov. 10.
Lump breaker construction. P. A. Fasoli. 2,643,587, June 30.
Lundel rotor construction. J. H. Stark. 2,651,733, Sept. 8.
Lure, Variable multipurpose. W. D. Carpenter. 2,659,175, Nov. 17.
Lure with improved weed guard. H. S. Moore. 2,641,081, June 9.
Lyophilization container. A. D. Holmes. 2,647,513, Aug. 4.
m-Dinitrobenzene, Preparation of. G. E. Taylor and L. P. Russe. 2,643,271, June 23.
m-Nitro and m-amino-benzyl derivatives of α-mono- and α,α'-diketo-pyrrolidines and -piperidines and tetrahydrophthalimides, Preparing. S. R. Buc. 2,652,403, Sept. 15.
Machine and method for forming collapsible tubing. C. E. Rutherford. 2,636,541, Apr. 28.
Machine and method for producing continuous l structures. J. D. Lincoln. 2,649,131, Aug. 18
Machine and method for producing corner bea in dry-built construction. A. H. Dunlap and W. C. Boldrin. 2,649,890, Aug. 25.
Machine and method for purifying the inert ga Savage. 2,624,421, Jan. 6.
Machine and process for making platform soles A. R. Ridderstrom. 2,654,103, Oct. 6.
Machine and process for producing latex foa ously. J. Marco. 2,650,804, Sept. 1.
Machine control. C. F. Frye. 2,652,732, Sept
Machine control means. R. W. Dean. 2,639,79
Machine controls, Folding. B. S. Kagan. Sept. 15.
Machine drive. F. W. Schnell. 2,641,141, Ju
Machine element, Splineless coupling. W. J 2,634,991, Apr. 14.
Machine for and method of forming hollow plast J. R. Haines. 2,632,202, Mar. 24.
Machine for affixing tabs to articles. H. Meyer Shepherd. 2,654,496, Oct. 6.
Machine for applying a treating liquid to yar Egee and J. W. Bennett. 2,649,756, Aug. 25
Machine for applying adhesives in the botto grooves of flooring strips. A. Klammt Kretzschmar. 2,652,806, Sept. 22.
Machine for applying and sealing closures to S. Bozek and H. E. Weidanz. 2,645,399, Ju
Machine for applying binding tape to books. L 2,634,438, Apr. 14.
Machine for applying coatings. K. E. James. Sept. 8.
Machine for applying decal films to base she Klopfenstein. 2,643,475, June 30.
Machine for applying end stops to slide faster Soave. 2,663,018, Dec. 22.
Machine for applying glue to sheet material. 2,661,716, Dec. 8.
Machine for applying labels to the sides of arti are moved on their ends through the mach Cook and A. J. Hollingsworth. 2,635,776, A
Machine for applying material to walls. S. A. 2,639,942, May 26.
Machine for applying precious metal decorati glass tumblers. G. E. Ryckman. 2,647,489.
Machine for applying pressure to shoe bo Eppler, Jr. 2,650,380, Sept. 1.
Machine for applying protective spots to the ps caps. C. E. Magnus. 2,664,137, Dec. 29.
Machine for applying sealing bands to bott Pomeroy and W. B. Eddison. 2,630,956, M
Machine for applying seeds to dough forms. ger. 2,642,833, June 23.
Machine for applying screw caps to containe and R. A. Pim. 2,655,302, Oct. 13.
Machine for assembling a workpiece on ar R. W. Bailey and J. T. Faull. 2,628,520,
Machine for assembling insoles and prefit E. Quinn and I. I. Hersey. 2,629,119, Feb
Machine for assembling ladders. H. B. Rich. Oct. 6.
Machine for assembling paperboard partitio meyer and W. D. Sherman. 2,643,590, Ju
Machine for assembling rollers. O. P. Haegele Oct. 20.
Machine for attaching and wiping labels on other cylindrical articles. J. Welmont. May 26.
Machine for attaching artificial stems to blos Andersen. 2,658,296, Nov. 10.
Machine for attaching index tab covers. R. 2,630,046, Mar. 3.
Machine for attaching metallic terminals to n R. Martines. 2,631,213, Mar. 10.
Machine for attaching pouring spouts to M. H. Klausmann and H. J. Brucker. 2,65
Machine for automatically carding curlers. 2,629,296, Feb. 24.
Machine for boring articles. E. A. Arp. 2, 20.
Machine for boring bearings. E. A. Arp Mar. 24.
Machine for bending and forming metal art Redman and A. F. Frost. 2,636,537, Apr. 2
Machine for binding books. M. H. Novembe Aug. 18.
Machine for binding books. S. M. Penner May 19.
Machine for blending wool. J. D. Townsend July 28.
Machine for bonding and debonding brake J. B. Williams. 2,662,960, Dec. 15.
Machine for boring bearing shells. E. A. Arp Apr. 21.
Machine for centrifugal casting. J. M. Fow Muchmore. 2,637,078, May 5.
Machine for cleaning and polishing space b like. G. P. Hartzell. 2,652,579, Sept. 22.
Machine for cleaning and scraping pallets of L. D. Moore. 2,637,057, May 5.
Machine for cleaning eggs. H. A. Hutchinso Apr. 21.

Machine for cleaning oil cooler radiators, etc. J. R. Okon. 2,624,354, Jan. 6.
Machine for cleaning paintbrushes, including liquid tanks and brush holders thereabove. C. E. Boland. 2,640,489, June 2.
Machine for cleaning the exterior surfaces of pipes. J. E. Hauser. 2,631,315, Mar. 17.
Machine for cleaning the water spaces of radiators and engine blocks of motor vehicle power plants. O. G. Tilton. 2,626,623, Jan. 27.
Machine for clearing undergrowth from land. F. A. Lower. 2,648,358, Aug. 11.
Machine for closing cartons. J. Boyce and D. W. Hayes. 2,660,012, Nov. 24.
Machine for closing cartons while the cartons are being translated. W. A. Wood. 2,625,778, Jan. 20.
Machine for closing containers. G. Hammond. 2,664,060, Dec. 29.
Machine for coating back seams of shoe uppers. H. Phillips. 2,632,021, Sept. 15.
Machine for coating confections. E. J. Otken. 2,638,071, May 12.
Machine for coating frankfurters. G. J. and R. J. Wright. 2,663,281, Dec. 22.
Machine for coating raw oysters. G. T. Harrison. 2,659,338, Nov. 17.
Machine for coating rulers. B. S. Dombrowski. 2,625,904, Jan. 20.
Machine for coating with thermoplastic materials. E. J. Justus. 2,651,077, Sept. 8.
Machine for code marking labels, wrappers, cartons, or the like. M. O. Sauven. 2,643,718, June 30.
Machine for compacting granular mass material. C. Jackson. 2,643,595, June 30.
Machine for compacting materials. E. E. Wells and E. R. West. 2,651,980, Sept. 15.
Machine for compressing and assembling tampons. M. A. Winter and S. S. Snyder. 2,624,078, Jan. 6.
Machine for compression of fluids. A. C. Layton. 2,646,207, July 21.
Machine for compression of gases, vapors, and liquids. A. C. Layton. 2,646,208, July 21.
Machine for continuous high-production manufacture of candy suckers. C. J. Covert and W. H. Genich. 2,660,963, Dec. 1.
Machine for convergent irradiation. J. Gerneth. 2,640,159, May 26.
Machine for conveying and closing cartons. R. C. Stenger. 2,654,981, Oct. 13.
Machine for cooking foodstuffs. E. Allan. 2,633,073, Mar. 31.
Machine for creasing and pressing books. C. Schramm. 2,635,262, Apr. 21.
Machine for creasing box blanks. L. Triolo. 2,627,629, Feb. 10.
Machine for crimping the bottom coils of coil springs. C. C. Smith. 2,646,086, July 21.
Machine for cutting and finishing gears, etc., by form cutters. E. W. Miller. 2,643,583, June 30.
Machine for cutting and loading corn and like crops. D. A. and A. G. Grant. 2,648,942, Aug. 18.
Machine for cutting, cleaning, grooving, and treating surfaces. A. Luksch and L. Hale. 2,664,281, Dec. 29.
Machine for cutting contoured shapes. J. R. Gumineter. 2,633,194, Mar. 31.
Machine for cutting defective sections from lumber. P. de Anguera. 2,652,864, Sept. 22.
Machine for cutting files. E. Fouquet. 2,633,674, Apr. 7.
Machine for cutting match splints. F. Schafer. 2,639,740, May 26.
Machine for cutting or finishing gear teeth and analogous formations. E. W. Miller. 2,659,277, Nov. 17.
Machine for cutting slant sided arcuate groove elements. H. H. Manning. 2,640,398, June 2.
Machine for cutting strips of textile fabrics. L. Pasold. 2,641,317, June 9.
Machine for cutting tissue. O. E. Teall. 2,627,922, Feb. 10.
Machine for cutting tobacco and the like. P. Q. R. Schreiber. 2,646,095, July 21.
Machine for dating and applying closures to bottles. W. E. Zimmermann. 2,639,850, May 26.
Machine for decorating articles such as cups, pitchers, bowls, and the like. J. K. O'Hare. 2,654,313, Oct. 6.
Machine for decorating sheet edges. W. L. Bostwick. 2,645,871, July 21.
Machine for determining pipe contours in pipe joints. A. Jesonis. 2,625,741, Jan. 20.
Machine for delinking and segregating cartridges. H. Boehmer. 2,638,029, May 12.
Machine for designing intersections. C. Beck-Meyer. 2,645,040, July 14.
Machine for detecting and ejecting improperly labeled cans. M. L. Box and R. W. Cason. 2,660,304, Nov. 24.
Machine for deveining shrimps. E. F. Greiner. 2,663,898, Dec. 29.
Machine for drilling, tapping, and inserting stops in a pipe. N. E. Dickason. 2,647,419, Aug. 4.
Machine for extruding one or more materials. J. Flockhart. 2,634,691, Apr. 14.
Machine for fabricating capsules from elastic films. A. M. Donofrio. 2,663,129, Dec. 22.
Machine for fabricating laminated signatures provided with sheet metal inserts. D. B. Loeser. 2,629,423, Feb. 24.
Machine for fashioning end portions of prismatic bodies. D. L. Leslie and R. H. Mustonen. 2,641,090, June 9.
Machine for feeding and positioning containers in a desired pattern arrangement. J. E. Socke. 2,636,592, Apr. 28.
Machine for feeding fittings. A. W. Payne. 2,649,178, Aug. 18.
Machine for filling containers. P. R. Fechheimer. 2,658,657, Nov. 10.
Machine for filling cartons. M. Fox. 2,652,180, Sept. 15.
Machine for finishing pistons. C. G. Menard and J. J. McCabe. 2,651,832, Sept. 15.
Machine for forming and threading bolts, screws, and the like. A. H. Billow. 2,643,402, June 30.
Machine for forming annular sheet metal workpieces. J. G. Kay. 2,659,407, Nov. 17.
Machine for forming arcuate contours. R. E. Wasley. 2,637,145, May 5.
Machine for forming bundles of signatures. L. I. Kramer. 2,659,907, Nov. 24.
Machine for forming continuous wire coils. D. E. Crooker. 2,643,698, June 30.
Machine for forming glass articles. L. C. Kahle. 2,649,659, Aug. 25.
Machine for forming predetermined irregular surfaces. C. B., H. R., and C. R. De Vileg. 2,660,930, Dec. 1.
Machine for forming rolls from web stock. W. S. Cook and J. S. Robinson. 2,635,401, Apr. 21.
Machine for forming wire garment hangers. O. R. Brekle. 2,646,085, July 21.
Machine for freezing packaged products. I. H. Polk. 2,631,440, Mar. 17.
Machine for gluing and sealing carton flaps. F. C. Genco, E. R. Edmunds, and N. Panzarella. 2,640,305, June 2.
Machine for grinding files. T. W. Beyer. 2,627,143, Feb. 3.
Machine for grinding internal surfaces concentric with external surfaces. M. H. Arms and P. A. Grobey. 2,635,395, Apr. 21.
Machine for handling greeting cards or other sheetlike articles. N. H. Morrison. 2,643,119, June 23.
Machine for heat-sealing thermoplastic materials. E. J. Andina. 2,638,964, May 19.
Machine for heat-treating tires. G. F. Wikle and C. E. Todd. 2,641,021, June 9.
Machine for holding and sealing coaxially supported parts. S. J. Gartner. 2,661,576, Dec. 8.
Machine for injecting bacon slabs or the like. S. T. Moreland. 2,645,171, July 14.
Machine for inking the edges of shoe soles and heels. G. S. Shaak. 2,643,635, June 30.
Machine for inking the edges of soles and heels of shoes. G. S. Shaak. 2,638,869, May 19.
Machine for insetting cards or the like under envelope flaps. N. H. Morrison. 2,625,392, Jan. 13.
Machine for imprinting and heat sealing labels. R. W. Swett. 2,656,944, Oct. 27.
Machine for irradiating liquids. V. C. Hall. 2,651,724, Sept. 8.
Machine for knitting shaggy fabrics. H. E. Crawford. 2,661,612, Dec. 8.
Machine for knurling pistons. H. P. Phillips. 2,653,495, Sept. 29.
Machine for loading baking pans. W. Baechle. 2,640,637, June 2.
Machine for loading bundles of tobacco leaves onto sticks. K. R. Funnell. 2,652,932, Sept. 22.
Machine for making an imprint on cylindrical articles. C. F. Robbins and B. G. Harvey. 2,625,098, Jan. 13.
Machine for making and forming turbine blades. O. Hedlund. 2,654,277, Oct. 6.
Machine for making bed springs. C. H. Gail. 2,663,038, Dec. 22.
Machine for making coaxial cable. P. C. Emard. 2,638,859, May 19.
Machine for making corrugated paper. C. D. Nitchie. 2,638,962, May 19.
Machine for making electrical coils. J. S. Burge, H. J. McKee, and R. M. Goodwin. 2,624,374, Jan. 6.
Machine for making fibrous boxes. C. B. Harker. 2,635,512, Apr. 21.
Machine for making filter and like tips for cigarettes. H. Gamble. 2,628,541, Feb. 17.
Machine for making food products. J. E. Birdsall. 2,642,819, June 23.
Machine for making foundry molds. C. E. Bergami. 2,640,234, June 2.
Machine for making frames. B. E. Rockhoff and J. Mayer. 2,663,204, Dec. 22.
Machine for making friction grip nuts. J. MacBlane and R. N. Paterson. 2,643,403, June 30.
Machine for making Hamburg steak patties. F. S. Elsaesser. 2,657,423, Nov. 3.
Machine for making hammer handles. P. L. Goins. 2,661,038, Dec. 1.
Machine for making hassocks. O. R. Haas. 2,646,013, July 21.
Machine for making paper boxes. C. Straw. 2,641,973, June 16.

Machine for making paper containers. B. A. Wittkuhns, H. G. D. Nutting, and G. F. Hill. 2,642,784–5, June 23.
Machine for making partitions. D. F. Cunningham. 2,636,423, Apr. 28.
Machine for making pats or chips from plastic bulk material. M. J. Weinberg. 2,624,941, Jan. 13.
Machine for making pleated metal foil capsules. D. E. Railton and F. White. 2,661,670, Dec. 8.
Machine for making prefabricated steel structural members. O. H. Lucy. 2,660,203, Nov. 24.
Machine for making printed, corrugated box blanks. M. H. Sidebotham. 2,662,452, Dec. 15.
Machine for making refrigerator liners. L. U. Larkin. 2,631,557, Mar. 17.
Machine for making tubular containers. C. E. Slaughter. 2,661,790, Dec. 8.
Machine for making wire fabric. A. L. Stoeckel. 2,642,098, June 16.
Machine for making yarn packages. R. J. Bartholomew and W. W. Egee. 2,653,774, Sept. 29.
Machine for manufacturing battery plates. A. R. Willard. 2,652,617, Sept. 22.
Machine for manufacturing container elements and the like. W. T. Burbank and C. T. Colgren. 2,654,343, Oct. 6.
Machine for manufacturing mass articles of bent wire. G. Hammerschlag. 2,636,523, Apr. 28.
Machine for manufacturing switches. W. B. Ellwood. 2,648,167, Aug. 11.
Machine for marking a pattern on cloth. C. Mishkin. 2,628,555, Feb. 17.
Machine for marking and affixing tabs to articles. H. Meyer. 2,654,495, Oct. 6.
Machine for marking statistical records by conductive marks. C. E. Connolly. 2,654,459, Oct. 6.
Machine for marking tags of different styles. A. K. Marsh and J. Welmont. 2,638,038, May 12.
Machine for mechanically electrically measuring and dispensing gummed tape. H. W. Hempel. 2,655,372, Oct. 13.
Machine for metalworking. E. I. Ghormley. 2,624,303, Jan. 6.
Machine for milling impeller wheels. P. T. Angell and C. D. Vaughn. 2,662,450, Dec. 15.
Machine for milling plastics. A. W. Hanson and W. E. Donaldson. 2,629,129, Feb. 24.
Machine for molding concrete. M. E. Leeuwrik. 2,632,224, Mar. 24.
Machine for molding hollow concrete blocks. E. I. Lindman. 2,636,242, Apr. 28.
Machine for mounting partially completed shoes of the platform type upon lasts. C. H. Freer. 2,633,587, Apr. 7.
Machine for operating a piercer-carrying plunger both to pierce and advance the work being operated on. D. D. Duncan. 2,627,923, Feb. 10.
Machine for operating intermittently upon and in synchronism with a continuously flowing stream of material. E. Skillman. 2,632,509, Mar. 24.
Machine for operating on metal stock by rollers. E. L. Tinley and H. A. Hallett. 2,660,214, Nov. 24.
Machine for operating on briquettes. B. A. Brown and L. A. Erickson. 2,664,018, Dec. 29.
Machine for operating on shoes. B. Jorgensen. 2,646,582, July 28.
Machine for operating on shoes. H. A. Imhof. 2,639,446, May 26.
Machine for operating on shoes. E. S. Kant. 2,642,596, June 23.
Machine for operating upon insoles. A. S. Clark. 2,635,263, Apr. 21.
Machine for orienting and driving longitudinally asymmetrical headless fasteners. L. E. Austin. 2,638,945, May 19.
Machine for packaging odd-shaped products. L. L. Salfisberg and E. J. David. 2,653,434, Sept. 29.
Machine for packaging stacked hollow ware such as nested paper cups or the like. W. T. Burbank. 2,641,095, June 9.
Machine for packing tablets and similar articles. C. Nicolle. 2,645,070, July 14.
Machine for perforating pipe. W. B. Pridy. 2,629,920, Mar. 3.
Machine for placing dishes in cartons or containers. R. C. Stenger. 2,653,743, Sept. 29.
Machine for planting grass and clover seed. J. L. Presler. 2,652,261, Sept. 15.
Machine for polishing and buffing articles with abrasive carrying fluids. H. J. Vander Wal. 2,624,982, Jan. 13.
Machine for preparing test samples of rubber and the like material. C. K. Chatten. 2,644,277, July 7.
Machine for pressing pulp articles. M. P. Chaplin. 2,627,211, Feb. 3.
Machine for preparing fuses. F. R. Clark and C. J. West, Jr. 2,660,845, Dec. 1.
Machine for printing and powdering sheets. A. C. Sias. 2,640,458, June 2.
Machine for printing cylindrical articles. B. G. Harvey. 2,624,274, Jan. 6.
Machine for printing erected cartons. W. A. Wood. 2,631,528, Mar. 17.
Machine for printing price tickets and other
D. D. Sloan. 2,633,798, Apr. 7.
Machine for printing tickets, tags, cards, and
A. R. Bone. 2,627,804, Feb. 10.
Machine for processing thermoplastic hosiery
Drum and W. C. Dodson. 2,651,932, Sept. 15.
Machine for producing articles from blank s
Chiaberta. 2,652,577, Sept. 22.
Machine for producing covers and opener lever as
J. P. Whelan. 2,627,104, Feb. 3.
Machine for producing extruded units. I.
2,660,131, Nov. 24.
Machine for producing ice-cubes and crushed ic
Heuser and W. H. Fitzner. 2,648,203, Aug. 1
Machine for producing transposition charts. R.
and M. B. Wiley. 2,631,711, Mar. 17.
Machine for producing type faced impressions
printing. H. G. Croucher. 2,639,017, May
Machine for producing Venetian blind slats. G.
ming. 2,650,640, Sept. 1.
Machine for progressively bonding sheet materi
Welch, Jr. 2,640,908, June 2.
Machine for punching records. C. E. Connolly.
Aug. 4.
Machine for pulping paper stock. E. Cowles.
Nov. 10.
Machine for racking channellike devices. L.
2,649,200, Aug. 18.
Machine for recording time on and storing coin
C. A. Frick. 2,649,352, Aug. 18.
Machine for removing debris from solutions. R.
ing. 2,650,710, Sept. 1.
Machine for removing green corn from the co
Urschel. 2,642,068, June 16.
Machine for reproducing patterns or images
Scruggs. 2,656,604, Oct. 27.
Machine for rolling tapered disks. H. J. Horn.
Aug. 4.
Machine for sawing stones and the like. F. Pe
G. Lemoine. 2,656,832, Oct. 27.
Machine for sealing the ends of wrapped art
Bergstein. 2,634,564, Apr. 14.
Machine for securing end closures to containe
I. L. Wilcox and N. S. Cole. 2,651,977, Sept.
Machine for separating and delivering metal sh
a stack. R. Van Schie. 2,652,934, Sept. 22.
Machine for scrubbing inner side wall and b
cylindrical containers. A. F. Darrah. 2,628,
17.
Machine for shaping stitchdown uppers over las
Butler and O. M. Holmes. 2,646,583, July 28
Machine for shaping the heel ends of shoes. W
dict, H. D. Goodnow, and F. Pulsifer. 2,644,
14.
Machine for shaving electrotypes, stereotypes,
like. D. E. Sutton. 2,651,240, Sept. 8.
Machine for shrinking hat bats. H. A. and W. I
2,632,937, Mar. 31.
Machine for simultaneously conditioning the
surface and trimming the edge of unattached s
J. H. Kelly. 2,656,555, Oct. 27.
Machine for skinning hogsides. D. L. Runnells
P. F. Burch. 2,649,881, Aug. 25.
Machine for skinning vegetables and the like
Edmonds. 2,642,107, June 16.
Machine for sorting, according to color, different
bottles and similar objects. K. H. R. Ekström
Lundin. 2,627,975, Feb. 10.
Machine for sorting and selecting sheets o
forms. J. Zalkind. 2,640,485, June 2.
Machine for splicing rubber articles. A. B. Cl
T. O. Hale. 2,660,216, Nov. 24.
Machine for splitting concrete blocks, building st
the like. C. Gatzke. 2,657,681, Nov. 3.
Machine for splitting hogs, beef, and the like
Moyer and W. H. Mitchell. 2,634,457, Apr.
Machine for straightening and polishing me
section bars or tubes. R. Hampton. 2,650,63
Machine for straightening automobile frames,
teker and W. R. Hoegner. 2,634,788, Apr. 1
Machine for straightening metal drums. E. A.
2,649,129, Aug. 18.
Machine for stretching distensible sleeves. J.
2,632,239, Mar. 24.
Machine for stuffing newspapers or similar sheet
assemblages. P. Schweizer. 2,634,971, Apr
Machine for stuffing olives. G. W. Ashlock, Jr.
June 30.
Machine for successively performing operations
or other articles. R. Detrez. 2,656,964, Oct.
Machine for tapering sheet metal blanks. H.
2,647,422, Aug. 4.
Machine for testing characteristics of gear cutte
and the like. N. L. Cobb. 2,659,158, Nov. 17.
Machine for testing the component parts of the
systems of compression-ignition engines. L. I
2,629,255, Feb. 24.
Machine for the continuous application of fo
cushioning to a carpet. J. Marco. 2,641,29
Machine for the continuous casting of metal
Properzi. 2,659,948–9, Nov. 24.
Machine for the continuous manufacture of
material. C. B. Pukacz. 2,662,576, Dec. 15.

Machine for the manufacture of buffs and similar articles. L. W. MacFarland. 2,650,861, Sept. 1.
Machine for the manufacture of crumpets and the like. R. J. Hastings. 2,660,109, Nov. 24.
Machine for the recovery of used foundry sand. J. W. Thomley, Jr. 2,649,630, Aug. 25.
Machine for the shaping of metal pieces, more particularly of saw teeth. G. Sinal. 2,662,424, Dec. 15.
Machine for treating box toe blanks and counter stiffeners with a conditioning liquid. C. M. Stauffer and G. E. Ehle. 2,631,564, Mar. 17.
Machine for trimming lasted shoes. B. Jorgensen. 2,644,967, July 14.
Machine for turning fluorescent lamps and other elongated devices end for end. D. Mullan and H. Bauer. 2,661,101, Dec. 1.
Machine for turning wood heel blanks. W. J. Grenier. 2,652,865, Sept. 22.
Machine for uncasing bottles and jars. H. T. Griswold. 2,628,732, Feb. 17.
Machine for unloading continuous baking ovens. A. A. Holbeck. 2,648,298, Aug. 11.
Machine for unwinding remnants of yarn from bobbins. H. Balken. 2,659,126, Nov. 17.
Machine for use in manufacture of shoes. H. A. Imhof. 2,660,739, Dec. 1.
Machine for verifying and checking perforated records. D. R. Piatt, F. B. Porterfield, and C. D. Hicks. 2,645,122, July 14.
Machine for vulcanizing rubber soles on boots and shoes, Automatic. G. Mediano Capdevila. 2,647,281, Aug. 4.
Machine for washing dishes and the like. J. M. Drees. 2,654,379, Oct. 6.
Machine for washing mica pieces and the like. M. D. Heyman. 2,628,461, Feb. 17.
Machine for washing or rinsing glass containers. G. E. Rowe. 2,634,737, Apr. 14.
Machine for washing watch parts. F. C. Fisher. 2,645,236, July 14.
Machine for weighing and packaging potato chips or the like. F. S. Avil. 2,644,661, July 7.
Machine for winding a web of material. D. N. Judelson. 2,650,037, Aug. 25.
Machine for wiping in hardened inserts for rock drill bits. F. Fort and E. C. Krug. 2,662,500, Dec. 15.
Machine for wire binding boxes or the like. T. R. Sykes. 2,624,270, Jan. 6.
Machine for wrapping garment hangers. H. M. and R. M. Simmons. 2,661,583, Dec. 8.
Machine for wrapping rodlike articles in tubular wrappers. H. Gamble. 2,624,165, Jan. 6.
Machine for wrapping rolls of paper and the like. S. Irvine. 2,644,282, July 7.
Machine for wrapping tire beads. G. A. Kaebnick, R. D. Parr, and J. L. Otstot. 2,662,467, Dec. 15.
Machine gun mount and shock absorber. A. A. Danielsen and A. P. Schleret. 2,644,366, July 7.
Machine having rotary brush for washing and cleaning glasses and cups. J. M. Stanton and F. Bertolero. 2,636,199, Apr. 28.
Machine of the household type for cutting, mashing, and whipping fruits, vegetables, and the like. N. W. Berglind. 2,660,210, Nov. 24.
Machine spindle device. C. L. Theining. 2,625,845, Jan. 20.
Machine tool. J. J. Barry and W. B. Retz. 2,639,492, May 26.
Machine tool. W. Belshaw. 2,639,494, May 26.
Machine tool. W. L. Benninghoff and A. F. Robertson. Re. 23,684, July 14.
Machine tool. T. F. Eserkaln. 2,629,293, Feb. 24.
Machine tool. R. H. Clark. 2,642,650, June 23.
Machine tool. M. S. Curtis and H. Schoepe. 2,644,222, July 7.
Machine tool. H. Dales. 2,633,709, Apr. 7.
Machine tool. J. Daugherty. 2,635,930, Apr. 21.
Machine tool. K. F. Gallimore. 2,643,441, June 30.
Machine tool. H. Goldberg. 2,646,700, July 28.
Machine tool. D. H. Montgomery. 2,650,416, Sept. 1.
Machine tool. D. H. Montgomery. 2,656,587, Oct. 27.
Machine tool. O. E. Staples. 2,629,291, Feb. 24.
Machine tool. W. B. Wigton and J. Daugherty. 2,631,500, Mar. 17.
Machine tool. J. C. Wilson. 2,636,321, Apr. 28.
Machine tool and operating. H. F. Smith. 2,633,678, Apr. 7.
Machine tool carrier. L. Salves. 2,630,724, Mar. 10.
Machine-tool table work clamp. B. R. Zitner. 2,627,787, Feb. 10.
Machine tool centering device. E. P. Bullard, III. 2,643,571, June 30.
Machine tool control. C. Johnson. 2,634,644, Apr. 14.
Machine tool control mechanism. E. G. Roehm. 2,641,969, June 16.
Machine tool drive, Hydraulic. A. A. Ericson. 2,647,371, Aug. 4.
Machine tool spindle. O. R. Briney, Jr. 2,655,414, Oct. 13.
Machine tool spindle construction. E. J. Hirvonen. 2,647,407, Aug. 4.
Machine tool transmission and control mechanism. J. B. Armitage and T. F. Eserkaln. 2,653,519, Sept. 29.
Machine tool transmission and control mechanism. J. B. Armitage and J. N. Flannery. 2,657,616, Nov. 3.
Machine-tool unit. D. S. McCullough. 2,629,292, Feb. 24.
Machineable molybdenum, Manufacture of. J. H. Ramage and R. D. Malin. 2,628,926, Feb. 17.
Machines for marking the locations of traffic stripes on highways. C. H. Dudley and E. R. McGrath. 2,633,382, Mar. 31.
Machining of turbine or axial compressor blades. G. C. J. Legg and C. M. Mitchell. 2,629,208, Feb. 24.
Machining porous metals. H. L. Wheeler, Jr. 2,663,928, Dec. 29.
Magazine and delivery mechanism for bar feed machines. B. C. Harney. 2,640,511, June 2.
Magazine and feed means for stapling machines. L. H. Semler. 2,643,376, June 30.
Magazine arrangement for record-receiving material in strip or wire form. J. E. Godeck. 2,652,988, Sept. 22.
Magazine-conversion unit for firearms. M. M. Johnson, Jr. 2,642,688, June 23.
Magazine floor plate release mechanism. L. F. Robertson, Jr. 2,657,489, Nov. 3.
Magazine for binder and/or wrapper leaves. M. Verbakel. 2,630,125, Mar. 3.
Magazine for cameras, Strip film. I. W. Doyle. 2,651,964, Sept. 15.
Magazine for dispensing machines. E. H. Thompson. 2,660,340, Nov. 24.
Magazine for firearms, Box. C. E. Brush. 2,655,754, Oct. 20.
Magazine for translucent strip records. A. W. Kingston. 2,624,231, Jan. 6.
Magazine multiple tool handle. J. E. Egan. 2,635,661, Apr. 21.
Magazine plug for firearms. G. E. Pinckney and P. R. Haskell. 2,635,378, Apr. 21.
Magazine receptacle. H. J. Kelly. 2,636,531, Apr. 28.
Magazine release and extractor. L. F. Mulno. 2,636,302, Apr. 28.
Magazine stock reel. A. H. Jobert. 2,646,087, July 21.
Magazine unloading device for bolt action firearms. J. F. Salas. 2,655,733, Oct. 20.
Magnesia and calcium carbonate, Manufacture of. M. Hicguet. 2,637,545, May 5.
Magnesia, Preparing. R. A. Schoenlaub. 2,636,809, Apr. 28.
Magnesia, Producing. V. V. Hughey. 2,640,759, June 2.
Magnesia, Production of. L. W. Austin. 2,641,529–30, June 9.
Magnesium-alloy-block edge-active driving belt. P. B. Reeves. 2,647,410, Aug. 4.
Magnesium alloys and making the same. H. E. Dunn and J. Strauss. 2,656,269, Oct. 20.
Magnesium-cuprous chloride reserve battery. G. B. Ellis. 2,655,551, Oct. 13.
Magnesium hydroxide, Production of. H. K. Keitel. 2,659,661, Nov. 17.
Magnesium oxide or hydroxide, Making relatively pure. G. G. Megrail. 2,643,181, June 23.
Magnesium oxide, Preparation of. J. C. Hicks. 2,641,532, June 9.
Magnesium oxychloride cement manufacture. L. K. Herndon. 2,627,476, Feb. 3.
Magnesium products, Manufacture of. W. W. Mower. 2,630,371, Mar. 3.
Magnet assembly, Permanent. N. S. Moreton. 2,645,745, July 14.
Magnet control. W. J. Hudson. 2,648,033, Aug. 4.
Magnet-controlled sit-up pup. J. F. Cavanaugh. 2,659,998, Nov. 24.
Magnet, Lifting. B. Stahmer. 2,651,538, Sept. 8.
Magnetic abrasion tool. H. Bergman and O. Behnke. 2,662,353, Dec. 15.
Magnetic amplifier circuit. M. Ker. 2,650,342, Aug. 25.
Magnetic amplifier circuits for applying reversible direct-current voltage to inductive loads. W. F. Eames and W. H. Esselman. 2,629,847, Feb. 24.
Magnetic attaching means for ornamental objects. R. F. Brennan. 2,659,169, Nov. 17.
Magnetic axis and polarity testing device. H. Duke, W. B. Greenwood, and J. Thomas. 2,644,919, July 7.
Magnetic bearing suspension for electric measuring instruments. F. A. Sharp. 2,651,550, Sept. 8.
Magnetic blowout construction and shield. P. V. Yingst. 2,629,035, Feb. 17.
Magnetic can body supporting structure. C. S. Woolford and J. E. Soeke. 2,660,969, Dec. 1.
Magnetic check valve. W. Wagner. 2,646,071, July 21.
Magnetic closure, Flexible. R. Ellis. 2,627,097, Feb. 3.
Magnetic clutch. M. C. Turkish. 2,654,454, Oct. 6.
Magnetic control system for railway traffic. L. J. A. Le Goff. 2,628,572, Feb. 17.
Magnetic core. J. L. Snoek, J. J. Went, and P. W. Haayman. 2,636,860, Apr. 28.
Magnetic core. G. G. Somerville. 2,628,273, Feb. 10.
Magnetic core and manufacturing same. G. Berge. 2,659,698, Nov. 17.
Magnetic core composition and producing the same. G. Berge. 2,656,319, Oct. 20.
Magnetic core for fluorescent ballast systems, Laminated. C. A. Howlett. 2,630,478, Mar. 3.
Magnetic coupling. A. L. Johnson. 2,645,878, July 21.

Magnetic decontamination of cracking catalyst. H. J. Ogorzaly. 2,631,124, Mar. 10.
Magnetic driving implement. F. G. Clark. 2,624,223, Jan. 6.
Magnetic electron lens. R. S. Page. 2,637,000, Apr. 28.
Magnetic fastener-holding device. R. M. Brown. 2,630,036, Mar. 3.
Magnetic fishing tool. H. W. and J. R. Ballew. 2,657,752, Nov. 3.
Magnetic fluid clutch. J. F. English, Jr., and A. J. Hornfeck. 2,650,684, Sept. 1.
Magnetic flux direction determining apparatus. D. C. Sewell. 2,644,922, July 7.
Magnetic game board. W. T. Mathis. 2,663,967, Dec. 29.
Magnetic hairpin holder. H. A. Kiler. 2,632,790, Mar. 24.
Magnetic head. J. R. Anderson. 2,662,120, Dec. 8.
Magnetic head construction. M. Rettinger. 2,628,286, Feb. 10.
Magnetic holding device. J. C. McPherson. 2,642,999, June 23.
Magnetic holding fixture for soldering terminals. E. E. Mellstrup. 2,641,212, June 9.
Magnetic induction accelerator. W. F. Westendorp. 2,660,673, Nov. 24.
Magnetic investigation. O. H. Schmitt. 2,626,308, Jan. 20.
Magnetic latch. J. B. Horvay. 2,662,787, Dec. 15.
Magnetic lid holder. A. E. Nelson. 2,648,127, Aug. 11.
Magnetic lot selecting device. P. Selig. 2,657,059, Oct. 27.
Magnetic materials, Producing soft. O. L. Boothby and D. H. Wenny, Jr. 2,631,118, Mar. 10.
Magnetic measuring gauge. G. N. Krouse. 2,625,585, Jan. 13.
Magnetic memory storage circuits and apparatus. F. A. Browne, Jr. 2,654,080, Sept. 29.
Magnetic mixer. J. H. Hammond, Jr. 2,649,288, Aug. 18.
Magnetic motor. A. G. Thomas. 2,631,264, Mar. 10.
Magnetic nail holder. R. P. Ingraham. 2,648,066, Aug. 11.
Magnetic orientation. N. E. Klein. 2,628,502, Feb. 17.
Magnetic pickup. E. J. Martin. 2,662,996, Dec. 15.
Magnetic pickup unit and making same. K. W. Miller. 2,637,205, May 5.
Magnetic pilot valve. R. A. Wittmann. 2,649,114, Aug. 18.
Magnetic plate. D. E. Stem. 2,635,754, Apr. 21.
Magnetic plate structure. D. E. Stem. 2,657,342, Oct. 27.
Magnetic pot holder. H. A. Kiler. 2,645,776, July 21.
Magnetic power transmission. D. R. Rankin. 2,638,558, May 12.
Magnetic railway brake. C. E. Tack. 2,649,935, Aug. 25.
Magnetic recording. G. E. Berens and C. Colbert. 2,661,397, Dec. 1.
Magnetic recording and reproducing. S. J. Begun. 2,658,956, Nov. 10.
Magnetic recording and reproducing. T. E. Lynch. 2,645,682, July 14.
Magnetic recording and reproducing apparatus combined with disk reproducers. B. Roberts. 2,625,611, Jan. 13.
Magnetic recording and reproducing sound, Method and means of. L. H. Connell. 2,637,561, May 5.
Magnetic recording art. F. L. Putzrath. 2,658,953, Nov. 10.
Magnetic recording tape and making same. O. J. De Sylva. 2,633,431, Mar. 31.
Magnetic relay with variable air gap, Dual action. T. G. A. Sillers. 2,636,934, Apr. 28.
Magnetic reproducing service for automobiles. L. H. Connell. 2,655,563, Oct. 13.
Magnetic saturation device. B. D. Bedford. 2,636,158, Apr. 21.
Magnetic separator. F. G. Fisher. 2,660,308, Nov. 24.
Magnetic separator. B. E. Prevost. 2,636,608, Apr. 28.
Magnetic separator. R. H. Stearns. 2,634,861, Apr. 14.
Magnetic separator. R. H. Stearns and H. W. Buus. 2,627,976, Feb. 10.
Magnetic separator with stationary magnet. D. W. Molins, F. F. Ruau, V. P. Harvey, and S. A. Nichols. 2,646,883, July 28.
Magnetic sheet material provided with a separator coating and making same. J. C. Robinson. 2,641,556, June 9.
Magnetic sound apparatus. M. Camras. 2,654,809, Oct. 6.
Magnetic sound record editing machine. C. E. Rivas. 2,647,168, July 28.
Magnetic sound system. A. C. Albee and F. C. Ward. 2,658,951, Nov. 10.
Magnetic sound tape, Production of. W. C. Speed and J. J. Dwyer. 2,664,139, Dec. 29.
Magnetic storage system for electronic binary digital computers. F. C. Williams and J. C. West. 2,652,554, Sept. 15.
Magnetic switch. H. E. Cobb and W. C. Furnas. 2,649,521, Aug. 18.
Magnetic tape error control. W. H. Burkhart. 2,628,346, Feb. 10.
Magnetic telegraphophone transducer. W. J. Field and R. L. Perkins. 2,660,622, Nov. 24.
Magnetic testing apparatus. G. G. Lavery. 2,626,983, Jan. 27.
Magnetic testing apparatus. W. J. Lewkowski, Jr. 2,644,921, July 7.
Magnetic testing apparatus. D. Lloyd. 2,650,344, Aug. 25.
Magnetic testing, Method and apparatus for. R. D. Kodis. 2,648,435, Aug. 11.
Magnetic toy vehicle. J. E. Small. 2,630,765, Mar. 10.
Magnetic transducer head. C. C. Davis. 2,640,886, June 2.
Magnetic transducing apparatus. A. L. W. Williams. 2,643,071, June 23.
Magnetic treatment device for liquids. T. I. S. Vermeiren. 2,652,925, Sept. 22.
Magnetic trouble lamp. K. Adamy and W. Bätz. 2,654,022, Sept. 29.
Magnetically biased fluid pressure responsive valve. G. R. King. 2,644,477, July 7.
Magnetically controlled packless valve. W. G. Miller. 2,629,401, Feb. 24.
Magnetically recording and mechanism therefor. H. A. Howell. 2,647,954, Aug. 4.
Magneto having short circuiting means, Flywheel. R. E. Phelon. 2,627,041, Jan. 27.
Magnetometer. E. P. Felch, Jr., and F. G. Merrill. 2,649,568, Aug. 18.
Magnetometer. F. Haalck. 2,629,003, Feb. 17.
Magnetometer. T. Koulomzine. 2,627,542, Feb. 3.
Magnetometer, Piezoelectric. R. A. Wallauschek. 2,648,046, Aug. 4.
Magnetometer system. M. S. Richardson. 2,682,883, Mar. 24.
Magnetostriction apparatus. E. J. Cronin. 2,638,567, May 12.
Magnetron. L. Greenwald. 2,651,003, Sept. 1.
Magnetron. J. F. Hull. 2,632,868, Mar. 24.
Magnetron. S. Millman. 2,635,210, Apr. 14.
Magnetron. J. T. Randall and H. A. Boot. 2,648,028, Aug. 4.
Magnetron. B. V. Rollin. 2,655,616, Oct. 13.
Magnetron. J. Verweel. 2,659,030, Nov. 10.
Magnetron and circuit therefor. C. W. Hansell. 2,661,426, Dec. 1.
Magnetron anode structure. E. Everhart. 2,653,275, Sept. 22.
Magnetron circuit. E. Everhart, M. A. Herlin, and A. G. and W. V. Smith. 2,639,404, May 19.
Magnetron device, Tunable. W. M. Gottschalk and R. E. Chaffee. 2,629,068, Feb. 17.
Magnetron, Double parallel plane. P. I. Corbell. 2,648,800, Aug. 11.
Magnetron frequency stabilization apparatus. M. A. Herlin. 2,630,533, Mar. 3.
Magnetron of the cavity resonator type. K. H. J. Bokhove. 2,659,031, Nov. 10.
Magnetron, Simplitron. C. V. Litton. 2,652,516, Sept. 15.
Magnetron, Strapped. A. M. Clogston. 2,635,209, Apr. 14.
Magnetron strapping arrangement. C. V. Litton. 2,649,556, Aug. 18.
Magnetron, Tunable. F. H. Crawford. 2,659,032, Nov. 10.
Magnetron, Tunable. F. H. Crawford and C. G. Hok. 2,635,211–12, Apr. 14.
Magnetron, Tunable. J. S. Donal, Jr., L. P. Smith, and B. B. Brown. 2,638,563, May 12.
Magnetron, Tunable. A. D. La Rue. 2,632,131, Mar. 17.
Magnetron, Tunable squirrel cage. M. D. Hare and V. Leonard. 2,659,033, Nov. 10.
Magnifying attachment for lamp shades. J. M. Valenza. 2,641,965, June 16.
Magnifying instrument for precision measuring devices. S. S. Barrows. 2,651,235, Sept. 8.
Mailbag catcher. C. H. Nelson. 2,643,101, June 23.
Mailbox apparatus, Sliding. A. H. Kaschak. 2,656,138, Oct. 20.
Mailbox including spring urged door. F. M. Cuplin. 2,646,214, July 21.
Mailbox indicator. J. A. Van Meter. 2,654,534, Oct. 6.
Mailbox letter holding assembly. O. H. Hibbeler. 2,634,050, Apr. 7.
Mailbox signal and nameplate attachment, Rural. D. P. Mossman, Sr. 2,636,669, Apr. 28.
Mail marking machine for sheets or tapes. H. L. Lambert. 2,639,665, May 26.
Mailing sheet. H. B. Comin. 2,631,773, Mar. 17.
Maintaining activity of cuprous oxide catalyst in oxidation of olefins. K. D. Detling and T. Skei. 2,659,758, Nov. 17.
Maintaining unrestricted flow of refrigerating air through ducts or the like, Means for. P. C. Scofield and F. H. Green. 2,628,481, Feb. 17.
Maintaining temperature and humidity constant, Method and apparatus for. T. Eichmann. 2,657,543, Nov. 3.
Maintenance of conductivity in electrical systems. R. Sherman. 2,636,131, Apr. 21.
Make-ready preparing press. G. W. Bungay. 2,624,389, Jan. 6.
Make-up applicator. C. A. Mureau. 2,631,321, Mar. 17.
Make-up holder and applicator. C. A. Mureau. 2,653,339, Sept. 29.
Making a mechanical joint between electrical conductors. M. A. Miller. 2,632,237, Mar. 24.
Making a unitary thermionic filament structure. R. B. Nelson. 2,652,621, Sept. 22.
Making a variegated frozen confection, Method and apparatus for. F. L. Hackmann. 2,646,757, July 28.

Making adhesive from lignocellulose. W. Schoen. 2,643,953, June 30.
Making an element having a fin. S. M. Schweller. 2,627,652, Feb. 10.
Making and bonding brake friction material to a brake shoe. S. G. Tilden, Jr. 2,646,377, July 21.
Making and staying electrical transformer windings. S. Horelick. 2,654,142, Oct. 6.
Making articles from biaxially oriented thermoplastic sheet material, Method and apparatus for. J. Q. Burgess. 2,659,934, Nov. 24.
Making available the bitter substances from hops. T. R. Nilsson and K. E. Sandegren. 2,652,333, Sept. 15.
Making bags. J. F. Doyle. 2,660,100, Nov. 24.
Making cake center frozen confections in twin molds. C. O. Lund. 2,642,820, June 23.
Making cartons for packaging of liquids, Method and apparatus for. P. E. Fischer. 2,664,034, Dec. 29.
Making clothing from component parts of sheet material. G. Nahman. 2,657,159, Oct. 27.
Making dipped latex garment. S. E. Rosenberg. 2,660,762, Dec. 1.
Making ethylene by catalytic pyrolysis. L. K. Frevel and J. W. Hedelund. 2,629,753, Feb. 24.
Making fiberboard from groundwood. W. L. Scott. 2,642,359, June 16.
Making finned tubes, Method and apparatus for. R. C. Edwards. 2,661,525, Dec. 8.
Making glaced or candied fruit. E. R. Mako. 2,624,676, Jan. 6.
Making glass, Process and apparatus for. P. Arbeit, R. Dubois, and R. E. Lambert. 2,658,095, Nov. 3.
Making ice cream, Means for. M. A. Orfitelli. 2,642,009, June 16.
Making joints in wound cores. C. W. Moody. 2,657,456, Nov. 3.
Making metal strip, Means and method of. L. Iversen. 2,663,784, Dec. 22.
Making pastry. M. P. Semple. 2,625,893, Jan. 20.
Making pile fabrics, Method and apparatus for. F. P. Groat. 2,624,390, Jan. 6.
Making plywood from wood waste and product resulting therefrom. C. U. Gramelspacher. 2,663,661, Dec. 22.
Making ready cylindrical plates. F. E. Reilly. 2,656,790, Oct. 27.
Making relief pictures from plane pictures. O. M. Varner. 2,656,634, Oct. 27.
Making sponge rubber with the aid of amines. J. H. Kelly, Jr. 2,643,981, June 30.
Making tobacco sheet material. M. H. Gurley, Jr. 2,656,841, Oct. 27.
Making trimming. R. A. Gordon. 2,662,577, Dec. 15.
Making white soap. F. L. Jackson and J. C. Bayer. 2,646,435, July 21.
Maleic acid manufacture. J. E. Nachod, Jr. 2,638,481, May 12.
Maleic acid, Manufacture of. D. I. H. Jacobs, D. J. Hadley, and R. Heap. 2,649,477, Aug. 18.
Maleic anhydride, Manufacture of. J. R. Darby. 2,625,554, Jan. 13.
Maleic anhydride, Production of. J. R. Darby. 2,624,744, Jan. 6.
Maleic polyester compositions. J. W. Kneisley. 2,646,410, July 21.
Malleablized white cast iron, Manufacture of. R. W. Heine. 2,651,570, Sept. 8.
Malting apparatus. E. E. Frauenheim, Jr. 2,654,691, Oct. 6.
Mandrel. I. A. Rimmel. 2,638,722, May 19.
Mandrel, Collapsible. R. G. Brown. 2,633,978, Apr. 7.
Mandrel, Expansible. G. Cozzo. 2,645,531, July 14.
Mandrel, Expansible. J. C. Weidel. 2,654,413, Oct. 6.
Manganese activated cadmium lithium silicate phosphor. A. H. McKeag. 2,660,565, Nov. 24.
Manganese alloy coating on ferrous base and preparation. J. S. Nachtman. 2,637,896, May 12.
Manganese carbonate, Producing. A. L. Fox. 2,625,462, Jan. 13.
Manganese dioxide for primary cells. W. W. Gullett. 2,655,456, Oct. 13.
Manganese, Manufacture of. P. F. Fabaron. 2,664,351, Dec. 29.
Manganous ferrous phosphate composition. W. H. Woodstock. 2,657,992, Nov. 3.
Manhole cover and internal support therefor, Pressure drum. F. H. Skinner. 2,657,823, Nov. 3.
Manifold. F. H. Reindl. 2,660,988, Dec. 1.
Manifold, Automobile V engine symmetrical. J. Haltenberger. 2,640,471, June 2.
Manifold, Combustion engine inlet. J. Haltenberger. 2,640,470, June 2.
Manifold for internal-combustion engines, Admission. R. H. Tissier. 2,647,503, Aug. 4.
Manifold high-pressure pump. P. H. Lindberg. 2,640,421, June 2.
Manifold mounting. C. B. Leach. 2,635,418, Apr. 21.
Manifold sheet and making same. J. G. Zimmerman. 2,663,653, Dec. 22.
Manifold sheet having a crush-resistant transfer film. R. W. Sandberg. 2,655,453, Oct. 13.
Manifold with manually actuated valves for controlling fluid flow. W. F. Berck. 2,647,659, Aug. 4.
Manifolding. D. A. Newman. 2,653,830, Sept. 29.
Manifolding transfer and making. J. G. Zimmerman. 2,653,110, Sept. 22.
Manifolding transfer and making. J. G. Zimmerman. 2,663,579, Dec. 22.
Manifolds for gas stoves, Method and apparatus for making apertured. S. J. Hamilton. 2,632,511, Mar. 24.
Manipulating apparatus, Portable adjustable. N. W. Bensfield. 2,631,582, Mar. 17.
Manipulating fishlines, Method of and apparatus for. K. B. Donnell. 2,647,339, Aug. 4.
Manipulating on mill tables. E. C. Peterson. 2,649,003, Aug. 18.
Manipulation of nitrogen-contaminated natural gases. L. S. Twomey. 2,663,169, Dec. 22.
Manipulative mixer. J. Lum. 2,652,236, Sept. 15.
Manipulator for metal coils. S. S. Douglas. 2,630,931, Mar. 10.
Manipulator, Remote-control. R. C. Goertz. 2,632,574, Mar. 24.
Mannikin's head hair structure. L. Napolitan. 2,645,057, July 14.
Manometer. J. G. Dwyer. 2,662,409, Dec. 15.
Manometer, Mercury. J. V. Hart and E. E. Lakjer. 2,655,045, Oct. 13.
Manual and automatic valve. R. N. Winfree. 2,658,716, Nov. 10.
Manual and hydraulic power actuated steering gear. C. F. Hammond. 2,650,669, Sept. 1.
Manual control device for combine table elevators. A. P. Dobrowski. 2,654,206, Oct. 6.
Manual control device with power booster. R. H. Zellman. 2,635,582, Apr. 21.
Manual control means for thermostatically controlled float valves. D. H. McCorkle, Jr. 2,634,059, Apr. 7.
Manual for tuning apparatus, Operating. D. H. Mitchell. 2,634,528, Apr. 14.
Manual multiway valve. D. H. Bierman. 2,633,324, Mar. 31.
Manual operator for power-operated valves. M. J. D'Amore. 2,658,524, Nov. 10.
Manually actuated device for projecting successively spaced film frames. J. Frey. 2,651,968, Sept. 15.
Manually and fluid-pressure operated valve. P. P. Demay. 2,647,538, Aug. 4.
Manually and fluid pressure operated valve. A. F. Schwendner. 2,644,485, July 7.
Manually operated outboard motor. C. L. Rayfield. 2,633,096, Mar. 31.
Manually operated pinch valve. V. W. Farris. 2,640,675, June 2.
Manually operated wire stitching machine. W. Kirby. 2,659,885, Nov. 24.
Manually settable temperature-sensitive bridge circuit. R. E. Hadady. 2,635,225, Apr. 14.
Manufacture and attachment of turbine and like blading. D. N. Walker. 2,658,718, Nov. 10.
Manufacture and use of alumina-platinum catalysts. V. Haensel and L. Schmerling. 2,658,028, Nov. 3.
Manufacture of alumina, Method and apparatus for the. A. Sablé. 2,659,660, Nov. 17.
Manufacture of candy, Method and apparatus for the. W. S. Cloud. 2,648,297, Aug. 11.
Manufacture of collapsible tubes, Method of and apparatus for the. J. Smith. 2,636,215, Apr. 28.
Manufacture of dialkyl sulfides. W. A. Schulze and W. W. Crouch. 2,656,392, Oct. 20.
Manufacture of lap-resistant synthetic rubber. J. E. Charles. 2,629,707, Feb. 24.
Manufacture of permanent magnets. C. Marquaire. 2,660,522, Nov. 24.
Manufacture of plastic edge type filters, Method and apparatus for. R. R. Layte. 2,654,124, Oct. 6.
Manufacture of pottery, Method and apparatus for. R. E. Gould. 2,647,295, Aug. 4.
Manufacture of sterling silver handles with gold design headings. M. H. Storch. 2,646,698, July 28.
Manufacturing a magnetic material. J. Boeke. 2,646,608, July 28.
Manufacturing a reflective fluorescent screen. M. Sadowsky. 2,625,493, Jan. 13.
Manufacturing articles from strip stock, Process and apparatus for. S. Atchason. 2,658,695, Nov. 10.
Manufacturing articles from vinyl resins. R. P. Molitor. 2,629,134, Feb. 24.
Manufacturing basic steel. K. Heimberg. 2,646,351, July 21.
Manufacturing bread sticks. L. M. Bertrand. 2,660,134, Nov. 24.
Manufacturing composite plates, Method and apparatus for. O. E. Andrus. 2,657,298, Oct. 27.
Manufacturing condensers. R. A. Harris. 2,627,645, Feb. 10.
Manufacturing cylindrical bodies, Method and apparatus for. G. G. Havens. 2,643,700, June 30.
Manufacturing electrical terminal connectors. I. F. Matthysse and C. V. Pellier. 2,643,446, June 30.
Manufacturing laminated cores for electromagnets. I. Epelboin. 2,658,264, Nov. 10.
Manufacturing leather substitute. L. Valentini. 2,637,752, May 5.
Manufacturing phthalocyanines. M. Dudnikov. 2,657,213, Oct. 27.
Manufacturing plural hose. W. J. Pugh. 2,624,073, Jan. 6.

Manufacturing polymerized fatty acids. C. G. Goebel. 2,664,429, Dec. 29.
Manufacturing process of cadmium sulfide, selenide, telluride photoconducting cells. F. F. Gans. 2,651,700, Sept. 8.
Manufacturing shaped articles of rubber hydrochloride. G. Schuur. 2,650,389, Sept. 1.
Manufacturing snap disk springs. J. B. Cataldo and E. D. Tidd. 2,656,592, Oct. 27.
Manufacturing tubular insulation. H. J. Shive. 2,647,296, Aug. 4.
Manufacturing wet strength paper containing cationic urea-formaldehyde resin. J. H. Daniel, C. G. Landes, and T. J. Suen. 2,657,132, Oct. 27.
Manure spreader. C. J. Scranton. 2,660,439, Nov. 24.
Manure spreader drive mechanism. L. B. Neighbour. 2,657,583, Nov. 3.
Manure spreader feeding device. R. C. Fergason. 2,626,809, Jan. 27.
Map holder. W. L. Weeks. 2,637,128, May 5.
Map viewer, Route. A. Sprung. 2,657,487, Nov. 3.
Mapping system, Automatic. D. H. Clewell. 2,649,781, Aug. 25.
Marble carrier. W. V. Sines. 2,627,973, Feb. 10.
Margarin, Antispattering. M. Mattikow. 2,640,780, June 2.
Margarine color injector. B. T. Hensgen and J. A. Brendle. 2,646,190, July 21.
Margarine package. B. T. Hensgen and D. E. Rueckert. 2,652,336, Sept. 15.
Margin control for typewriters, Bottom. Q. H. Hu and C. Y. Lee. 2,654,460, Oct. 6.
Margin stop adjustment, Keyboard controlled. W. T. Sagner. 2,633,964, Apr. 7.
Margin stop assembly. J. Reyklin. 2,639,797, May 26.
Marginal stop for typewriters or the like and mechanism for setting the same. S. Khalil. 2,633,963, Apr. 7.
Marine anchor. J. E. Jones. 2,629,357, Feb. 24.
Marine current meter. J. Kahl. 2,630,711, Mar. 10.
Marine drilling. J. R. Evans, L. E. Elkins, and L. H. Klinzing. 2,637,978, May 12.
Marine harvester with conveyer. J. P. Smith. 2,629,218, Feb. 24.
Marine oil storage tank. F. R. Harris. 2,631,558, Mar. 17.
Marine seismic surveying. W. W. Doolittle. 2,638,176, May 12.
Marine seismic surveying. D. Silverman, J. D. Eisler, and C. C. Lash. 2,632,150, Mar. 17.
Marine seismometer spread. C. C. Lash. 2,652,550, Sept. 15.
Marine wave meter. A. A. Klebba. 2,637,999, May 12.
Marionette. J. S. Barkey. 2,652,658, Sept. 22.
Marionette construction. H. H. Rollins. 2,657,499, Nov. 3.
Marker. A. J. Irving. 2,639,524, May 26.
Marker control arrangement for selectors. R. B. Buchner. 2,640,883, June 2.
Marker for allotting a link and a sender. J. O'D. Shepherd. 2,654,807, Oct. 6.
Marker for blackboards. P. E. Whittington. 2,636,275, Apr. 28.
Marker, Grading. W. D. Hargus. 2,660,822, Dec. 1.
Marking. H. G. Greig. 2,653,126, Sept. 26.
Marking apparatus. J. K. Jackson. 2,641,999, June 16.
Marking device. I. S. Gottscho. 2,662,469, Dec. 15.
Marking device for strand material. E. K. Bauer. 2,644,423, July 7.
Marking gauge. C. R. Keys. 2,660,802, Dec. 1.
Marking hypodermic syringes. S. N. Blackman. 2,658,837, Nov. 10.
Marking machine. J. L. Lutyens. 2,660,116, Nov. 24.
Marking machine. D. F. Putnam, C. F. Robbins, and O. B. Meyers. 2,624,279, Jan. 6.
Marking machine. C. F. Robbins. 2,624,278, Jan. 6.
Marking machine, Can. J. K. Bruce and W. E. Long. 2,635,531, Apr. 21.
Marking machine die holder. B. D. Atwood. 2,635,540, Apr. 21.
Marking textile articles. H. Meyer. 2,639,256, May 19.
Marking textile articles, Means and method of. H. Meyer. 2,639,255, May 19.
Marketing goods, Means for. K. C. Purdy. 2,649,930, Aug. 25.
Mask, Baseball. H. Goldsmith. 2,627,602, Feb. 10.
Mask, Disposable breathing. H. L. Burns. 2,634,724, Apr. 14.
Mask, Face. R. H. Bower. 2,637,038, May 5.
Mask, Stretchable face. C. C. Lo Presti. 2,634,725, Apr. 14.
Mask, Telephone instrument. A. M. Jouban. 2,644,861, July 7.
Mask, Welding. C. L. Olson. 2,638,592, May 19.
Masking device for automobile tires. L. G. Morrison. 2,634,704, Apr. 14.
Masking device for crystals. A. W. Warner, Jr. 2,639,392, May 19.
Masonry block handling device. R. Pries. 2,636,625, Apr. 28.
Masonry drills. H. D. G. Scheffer. 2,635,856, Apr. 21.
Masonry pointing tool. G. R. Ruedi. 2,626,521, Jan. 27.
Masonry pointing tool. L. S. Spallone. 2,625,816, Jan. 20.
Masonry wall, Precast reinforced. M. Boss, Jr. Boss. 2,639,606, May 26.
Mason's trig line holder. L. N. Zinken. 2,629,24.
Mass polymerization with mixture of 4,4-dihyd zoyl peroxide and adipoyl peroxide. H. 2,658,057, Nov. 3.
Mass spectrometer. C. F. Robinson. 2,632,110
Mass spectrometer. C. F. Robinson. 2,650,306
Mass spectrometer. A. C. Schroeder. 2,642,535
Mass spectrometer beam regulator. W. 2,651,723, Sept. 8.
Mass spectrometer control. S. B. Spracklen. June 2.
Mass spectrometer ion source. W. T. Leland. June 23.
Mass spectrometry. C. E. Berry. 2,632,113, Ma
Mass spectrometry. C. E. Berry. 2,662,184, D
Mass spectrometry. C. F. Robinson. 2,629,055
Mass spectrometry. L. P. Robinson, H. W. Wash W. J. Hirschberg. 2,662,185, Dec. 8.
Mass spectrometry. H. W. Washburn. 2,632,111
Mass spectrometry. H. W. Washburn and C. 2,627,034, Jan. 27.
Mass spectrometry. H. W. Washburn and C. 2,632,112, Mar. 17.
Massage and heat applicator. C. C. Curtis. May 12.
Massage apparatus, Vibratory. A. J. Force, Jr. Oct. 13.
Massage appliance with heating device. W. 2,650,587, Sept. 1.
Massage device. D. Agosti. 2,646,039, July 21.
Massage device. V. Herndon. 2,633,844, Apr.
Massage vibrator. D. B. Brown. 2,639,707, M
Massager, Foot. W. M. Elliott. 2,663,293, I
Massager, Mechanical body. L. E. Holland. Nov. 3.
Massager, Youth-chin. G. L. Hanrahan. 2,649 25.
Massaging attachment for toothbrushes. A. J 2,642,604, June 23.
Massaging device. J. Acerbi. 2,629,374, Feb. 2
Massaging device. J. D. Bell. 2,633,123, Mar.
Massaging device. J. F. Nantz. 2,638,090, Ma
Massaging device. F. W. Schmidt. 2,641,256,
Massaging device. F. F. Wagner. 2,628,611,
Massaging device, Mechanical. F. A. 2,652,826, Sept. 22.
Massaging device, Prostate gland. C. F. 2,657,687, Nov. 3.
Massaging exhilarating and dandruff removin Scalp. W. C. Rohrer. 2,655,147, Oct. 13.
Massaging roller. A. A. Studler. 2,647,509, Au
Mast assembly, Lifting. H. E. Milz. 2,642,157
Mast, Telescopic. L. C. Rose. 2,662,712, De
Master alloy comprising zirconium and magn use in making magnesium-base alloys conta conium. W. P. Saunders and F. P. Strieter. Dec. 29.
Master controller. C. E. Baston and H. 2,626,326, Jan. 20.
Master or central station controller. E. 2,660,628, Nov. 24.
Master shipping container. C. D. Fallert a George. 2,656,089, Oct. 20.
Mastic joint installing machine. J. W. Heltzel. June 9.
Mat. C. J. Wood. 2,635,307, Apr. 21.
Mat, Excess weight reducing. J. W. Zeigler. Sept. 15.
Mat finish enamels for aluminum. W. R. B O. A. Short. 2,642,364, June 16.
Mat for automotive vehicles, Floor. T. 2,650,855, Sept. 1.
Mat for tents. E. D. Barker. 2,627,864, Feb. 1
Mat, Landing. J. S. McGuire. 2,653,525, Sept
Matting agents. H. S. Lilley and J. K. Lovell. Apr. 28.
Match book holder. A. D. Hall. 2,653,705, Se
Matchbox, ejector, and ignitor, Combination. H kowitz. 2,630,913, Mar. 10.
Match package. H. G. Watson, Sr. 2,626,703
Matches with ejection-type ignition means there M. H. Olsen. 2,638,208, May 12.
Material collecting vehicle. C. R. Golinick. Aug. 18.
Material discharging means. J. C. Petrea. June 9.
Material disintegrating and distributing machi Moss. 2,645,500, July 14.
Material feed device for gyratory crushers. A. 2,656,120, Oct. 20.
Material feeder for dehydrators. E. C. Small. Jan. 6.
Material for constructing concrete walls. 2,657,448, Nov. 3.
Material for shoe stiffeners. E. H. G. Gauthier. Aug. 11.
Material handling apparatus. H. A. Bottenhorn. Dec. 29.

Material handling apparatus. J. C. Broersma. 2,645,372, July 14.
Material handling apparatus. A. Neuhart. 2,636,735, Apr. 28.
Material-handling apparatus. C. W. Ruth. 2,662,792, Dec. 15.
Material handling apparatus. A. A. Saul. 2,657,048, Oct. 27.
Material handling device. J. B. Ezell and J. G. Tucker, Jr. 2,626,070, Jan. 20.
Material handling device. H. O. Phalin. 2,646,307, July 21.
Material handling device for industrial trucks. L. G. Ehmann. Re. 23,694, Aug. 4.
Material handling device for punch presses. B. E. Lawson and W. E. Bullock. 2,644,521, July 7.
Material handling equipment. J. W. Berg. 2,630,350, Mar. 3.
Material handling machine. F. O. Paulson. 2,652,693, Sept. 22.
Material-handling machine. R. U. Zollars, J. D. Lawson, and J. H. Berry. 2,639,949, May 26.
Material handling mechanism. E. C. Seward. 2,627,959, Feb. 10.
Material handling pallet. W. F. Weitzel. 2,634,931, Apr. 14.
Material haulage vehicle. C. F. Osgood. 2,634,008, Apr. 7.
Material holder for drilling. F. C. Foss. 2,629,271, Feb. 24.
Material level control means for feed hoppers. E. E. Fields, F. A. Jova, and F. P. Librizzi. 2,633,509, Mar. 31.
Material lifting and transferring apparatus. H. E. Miller. 2,644,593, July 7.
Material loading device. T. J. Skeuse, A. C. Jennings, and W. E. Haught. 2,660,394, Nov. 24.
Material receiving, storing, and discharging apparatus. A. L. Barrett. 2,637,457, May 5.
Material receiving, storing, and dispensing apparatus. W. J. Gibbs and C. H. Larsen. 2,626,727, Jan. 27.
Material retaining end plate for roller mills. C. P. Brasington. 2,656,986, Oct. 27.
Material separating apparatus. E. V. Gordon, R. D. Simpson, and F. Cardoza. 2,638,219, May 12.
Material separator. R. R. Reed. 2,657,802, Nov. 3.
Material shedder for drawbench tongs. R. R. Turner. 2,630,910, Mar. 10.
Material spreading apparatus. E. A. Juzwiak and F. S. Ajero. 2,645,384, July 14.
Material spreading box. S. J. Davis and W. W. Thomason. 2,641,477, June 9.
Material transfer mechanism. W. E. Saxe. 2,630,202, Mar. 3.
Material treating apparatus. R. M. Reichl. 2,635,733, Apr. 21.
Materials handling apparatus. J. F. Joy. 2,662,635, Dec. 15.
Materials handling apparatus. J. F. Joy. 2,663,143, Dec. 22.
Mating and framing member, Metallic. E. Gray. 2,632,534, Mar. 24.
Matrices for molding rubber printing blocks, Making. R. C. Perkins. 2,638,845, May 19.
Matrix. A. E. Nelson and H. G. Stadtler. 2,653,394, Sept. 29.
Matrix assembly stick. A. N. Lewandoski. 2,652,145, Sept. 15.
Matrix, Metal-foil. F. J. Russell, Jr. 2,644,778, July 7.
Matrix storage system. J. T. Potter. 2,624,786, Jan. 6.
Matrix trimmer. C. C. Baker. 2,631,669, Mar. 17.
Mattress. A. S. Anderson. 2,634,426, Apr. 14.
Mattress. D. F. Forwood. 2,651,788, Sept. 15.
Mattress. J. F. Hentzell. 2,631,306, Mar. 17.
Mattress, Adjustable bed. M. M. Lewin. 2,649,595, Aug. 25.
Mattress and spring, Combination. T. W. Marsico. 2,646,580, July 28.
Mattress, Combined innerspring and rubber. A. Wesley. 2,626,408, Jan. 27.
Mattress construction. R. F. Korney. 2,629,111, Feb. 24.
Mattress construction. J. F. McCarthy. 2,624,894, Jan. 13.
Mattress construction, Hospital. A. Yaczola. 2,654,899, Oct. 13.
Mattress construction, Spring. N. C. Goldberg. 2,637,858, May 12.
Mattress construction, Spring. E. J. Hood. 2,644,174, July 7.
Mattress cover. E. S. de Monsabert. 2,639,444, May 26.
Mattress elevator, Baby crib. J. J. Robbins. 2,658,207, Nov. 10.
Mattress filling machine. M. Goldberg. 2,639,073, May 19.
Mattress with reinforced opening. D. E. Eckart and J. R. Rosenleaf. 2,654,898, Oct. 13.
Mattress with toilet attachment. J. W. Osbon, Jr. 2,656,549, Oct. 27.
Maturing of crops. R. N. Raynor and D. Stewart. 2,649,364–5, Aug. 18.
Maximum pressure control valve. E. A. Rockwell. 2,636,511, Apr. 28.
Means and method for the addition of insoluble comminuted solids to liquids flowing in pipes. J. A. Pickard. 2,660,560, Nov. 24.
Means and method of feeding to impact crushers. H. J. Woock. 2,657,864, Nov. 3.
Means for adjustment of balancing machines. I. A. Weaver and C. H. Phelps. 2,656,710, Oct. 27.
Means for applying platforms and turning the toe ends of platform covers. P. W. Senfleben. 2,659,908, Nov. 24.
Means for circulating mud in rotary well drilling rigs. O. Colquitt. 2,657,015, Oct. 27.
Means for controlling hoists and winches. J. C. Sionneger. 2,657,011, Oct. 27.
Means for conveying and arranging cans in rows. E. C. Kraus and M. V. Douthitt. 2,656,910, Oct. 27.
Means for engaging and disengaging rotary cutters. H. H. Eager. 2,629,441, Feb. 24.
Means for holding receptacles. H. J. Klante. 2,654,628, Oct. 6.
Means for more easy starting of inverters at light loads. E. Levy, Jr. 2,626,378, Jan. 20.
Means for reducing torsional strain on vehicle axles. A. S. Page. 2,660,451, Nov. 24.
Means for supporting metal clips. J. M. Donalson. 2,650,978, Sept. 1.
Means for use in stenciling and the like. W. J. Kerr. 2,651,989, Sept. 15.
Means including a winding shaft and a roller for mounting and collapsing tubular containers. A. S. Durham. 2,639,059, May 19.
Means removing cards from address plates. W. T. Gollwitzer. 2,648,276, Aug. 11.
Means to close filling opening in prepared poultry. R. B. Holt. 2,649,614, Aug. 25.
Means to deposit water-borne sand. J. R. Daley. 2,655,790, Oct. 20.
Means to eject dust bag from vacuum cleaner casing. G. H. Cranmer. 2,649,926, Aug. 25.
Means to facilitate the laying of masonry units. P. H. Sommers. 2,648,974, Aug. 18.
Means to facilitate the laying of masonry units. P. H. Sommers. 2,652,714, Sept. 22.
Means to facilitate the laying of masonry units. P. H. Sommers. 2,663,182, Dec. 22.
Means to indicate temperature and electric failure. J. N. MacInnes and P. H. Gerard. 2,663,858, Dec. 22.
Means to prevent the accumulation of waste in drafting systems. S. P. Spencer. 2,624,919, Jan. 13.
Measured charge supply control flow mechanism for automatic packaging machine operations. H. O. Irmscher. 2,654,195, Oct. 6.
Measurement of distance or time interval by the use of compressional waves in the so-called supersonic range, Method of and apparatus for the. R. W. Goble. 2,631,270, Mar. 10.
Measurement of electrical winding temperatures. G. M. Stein. 2,625,821, Jan. 20.
Measurement of films and deposits. H. W. Sigworth and B. A. Fries. 2,660,678, Nov. 24.
Measurement of injection profiles. M. G. Arthur. 2,648,014, Aug. 4.
Measurement of levels of materials in tanks. A. H. McKinney. 2,629,261, Feb. 24.
Measurement of water vapor in gases. M. B. Fallgatter and K. E. Hallikainen. 2,654,242, Oct. 6.
Measuring and control apparatus, Pulsing electronic. G. A. F. Machlet. 2,642,228, June 16.
Measuring and controlling hydrate forming conditions, Means and method for. E. J. McCreary. 2,643,541, June 30.
Measuring and cutoff machine. A. H. Long. 2,642,663, June 23.
Measuring and dispensing device with container cutting and attaching means, Volumetric. I. S. Boydstun. 2,650,739, Sept. 1.
Measuring and filling device. R. MacDonald. 2,653,746, Sept. 29.
Measuring and indicating the tension in strip passing between the stands of a rolling mill, Means for. W. J. Norton. 2,650,495, Sept. 1.
Measuring and packaging machine. J. C. Roundtree. 2,655,291, Oct. 13.
Measuring apparatus. T. R. Harrison. 2,648,037, Aug. 4.
Measuring apparatus. E. F. Moser. 2,654,955, Oct. 13.
Measuring apparatus. J. C. Monzon. 2,659,848, Nov. 17.
Measuring apparatus. C. A. Vossberg, Jr. 2,632,117, Mar. 17.
Measuring apparatus, Air flow. R. E. Cutler. 2,628,086, Feb. 10.
Measuring apparatus and method, Antomatic. M. Goland and P. D. Wickersham. 2,650,057, Aug. 25.
Measuring apparatus, Automatic freezing point. E. C. Staehling. 2,635,455, Apr. 21.
Measuring apparatus, Borehole hydraulic. B. F. Wiley. 2,660,800, Dec. 1.
Measuring apparatus, Contour. A. I. Bean. 2,640,272, June 2.
Measuring apparatus, Electrical. A. C. Grez. 2,637,316, May 5.
Measuring apparatus, Electrical. E. W. Whittier. 2,630,559, Mar. 3.
Measuring apparatus, Flow. E. R. Fenske. 2,647,403, Aug. 4.

Measuring apparatus, Liquid level. A. J. Rosenberger and G. E. Lindemann. 2,633,022, Mar. 31.
Measuring apparatus, Relative humidity. E. S. Rittner and S. Fine. 2,638,783, May 19.
Measuring apparatus, Temperature. T. R. Harrison. 2,659,234, Nov. 17.
Measuring apparatus, Temperature. A. J. Hornfeck. 2,645,126, July 14.
Measuring apparatus, Temperature. R. F. Wild. 2,641,931, June 16.
Measuring apparatus, Transmission line. O. M. Woodward, Jr. 2,630,473, Mar. 3.
Measuring areas, especially irregular areas. R. O. Ragan and W. T. Ritter. 2,631,491, Mar. 17.
Measuring block device for tool lathes. N. Ciccone. 2,658,283, Nov. 10.
Measuring circuit. J. H. Bollman. 2,656,506, Oct. 20.
Measuring conductivity of liquids, Method of and apparatus for. C. E. Bragg. 2,637,768, May 5.
Measuring device. E. W. Graham. 2,627,062, Jan. 27.
Measuring device. H. M. Jones. 2,655,914, Oct. 20.
Measuring device. L. E. Mills. 2,624,120, Jan. 6.
Measuring device. L. O. Mitchell. 2,626,337–8, Jan. 20.
Measuring device. R. A. Unger. 2,636,281, Apr. 28.
Measuring device, Adjustable. G. W. Chester. 2,630,014, Mar. 3.
Measuring device, Automatic electrical. T. M. Berry. 2,629,843, Feb. 24.
Measuring device, Cocktail ingredient. J. T. Jones. 2,627,184, Feb. 3.
Measuring device, Dew-point. E. W. Donath and B. A. Ritzenthaler. 2,649,707, Aug. 25.
Measuring device, Disk. A. C. Lies. 2,660,796, Dec. 1.
Measuring device, Distance and angle. J. B. Eliason. 2,647,322, Aug. 4.
Measuring device, Dressmaker's. M. C. Nicholson. 2,648,907, Aug. 18.
Measuring device, Electrical. A. J. Petzinger. 2,656,510, Oct. 20.
Measuring device, Electromagnetic. P. F. Elarde. 2,656,504, Oct. 20.
Measuring device, Electrostatic induction voltage. T. A. Rich and W. J. Morlock. 2,659,864, Nov. 17.
Measuring device, Fluid flow. E. D. Smyser. 2,636,478, Apr. 28.
Measuring device for lenses, Segment. A. B. Belgard. 2,632,257, Mar. 24.
Measuring device for pistons in depth engines. B. E. Beers and S. G. Snortland. 2,643,459, June 30.
Measuring device for spray applicators in prevention of offset and the like. A. J. Jenner. 2,645,529, July 14.
Measuring device for tires, Adjustable. P. E. Hawkinson. 2,636,277, Apr. 28.
Measuring device for tooth paste tubes. J. V. Kierulff. 2,628,742, Feb. 17.
Measuring device, High voltage. E. W. Herold. 2,640,093, May 26.
Measuring device, Liquid. A. L. Coderre. 2,663,084, Dec. 22.
Measuring device, Liquid depth. P. N. Smith. 2,627,660, Feb. 10.
Measuring device, Liquid depth and tank diameter. B. J. Kosmoski and G. A. Meyer. 2,648,133, Aug. 11.
Measuring device, Mass flow. C. B. Smith. 2,632,327, Mar. 24.
Measuring device, Pipe. W. W. Scott. 2,629,934, Mar. 3.
Measuring device, Potential. A. N. Stanton. 2,659,863, Nov. 17.
Measuring device, Powder. G. B. Crandall. 2,633,771, Apr. 7.
Measuring device, Power. T. R. Specht. 2,656,511, Oct. 20.
Measuring device, Rebound hardness. M. D. Braid. 2,654,244, Oct. 6.
Measuring device suitable for diagnostic purposes. N. H. Polsky. 2,661,733, Dec. 8.
Measuring device, Thermo-responsive. C. Hogenbirk. 2,647,235, July 28.
Measuring device, Torque. H. M. Stephenson and K. M. Feiertag. 2,642,740, June 23.
Measuring device, Transient force. F. G. du Pont. 2,642,741, June 23.
Measuring device, Underwater. H. M. Zenor. 2,638,001, May 12.
Measuring device, Viscosity. J. D. Fann. 2,657,572, Nov. 2.
Measuring device, Viscosity. G. Herzog. 2,643,543, June 30.
Measuring equipment, Liquid density. J. C. Boonshaft. 2,664,011, Dec. 29.
Measuring impedance at radio frequencies, Means for. O. M. Woodward, Jr. 2,630,475, Mar. 3.
Measuring instrument. A. F. Francis. 2,654,956, Oct. 13.
Measuring instrument, Clamp on type electrical. S. J. Koch. 2,663,845, Dec. 22.
Measuring instrument, Direction and velocity. R. L. Hundstad. 2,645,123, July 14.
Measuring instrument, Electrical. E. M. Eadie, Jr. 2,658,179, Nov. 3.
Measuring instrument, Electrokinetic. E. V. Hardway, Jr. 2,661,430, Dec. 1.
Measuring instrument for cylindrical articles, Circumference. H. K. MacKenzie. 2,648,913, Aug. 18.
Measuring instrument for determining the humidity of gaseous mixtures. G. de Mestral. 2,651,201, Sept. 8.
Measuring instrument, Force. L. Gess. 2,655,037, Oct. 13.
Measuring instrument with electrostatic return torque. C. Bosch. 2,661,456, Dec. 1.
Measuring instrument with range and multiplying factor indicator, Electrical. R. L. Triplett. 2,651,755, Sept. 8.
Measuring leg with an adjustable measuring surface for gauges. C. Herzstark. 2,628,429, Feb. 17.
Measuring liquid by weight, Means for. C. A. Langstaff. 2,633,750, Apr. 7.
Measuring machine. G. N. Levesque. 2,633,642, Apr. 7.
Measuring machine, Dough. W. de Ridder. 2,638,066, May 12.
Measuring-marking space gauge. G. Haister. 2,662,290, Dec. 15.
Measuring mechanism, Film. C. B. Estes. 2,632,369, Mar. 24.
Measuring moisture content, Method and apparatus for. W. M. Breazeale. 2,659,860, Nov. 17.
Measuring molecular impurities in rare gases. C. Kenty. 2,654,051, Sept. 29.
Measuring radiation. J. O. Aicher. 2,636,992, Apr. 28.
Measuring system. D. F. Bowman. 2,624,781, Jan. 6.
Measuring system. J. F. Byrne. 2,624,780, Jan. 6.
Measuring system. A. J. Hornfeck. 2,636,151, Apr. 21.
Measuring system. G. Smith. 2,631,272, Mar. 10.
Measuring system. C. A. Vossberg, Jr. 2,659,823, Nov. 17.
Measuring system and apparatus, Potentiometric. A. Hansen, Jr. 2,645,748, July 14.
Measuring system, Calibrating. G. E. Beggs, Jr., and A. W. Kozak. 2,663,853, Dec. 22.
Measuring system, Flux. A. J. Tickner. 2,661,455, Dec. 1.
Measuring system, Transmission line. G. H. Brown. 2,630,474, Mar. 3.
Measuring tape fastener. E. H. Holtz and C. R. Sellen. 2,648,114, Aug. 11.
Measuring tape with handle with anchor hook, Steel. J. G. Roe. 2,629,935, Mar. 3.
Measuring tension in bolts, Means for. W. E. and J. T. Wilson. 2,648,833, Aug. 11.
Measuring the average temperature of liquid in storage tanks. H. F. Tapp and G. D. Robinson. 2,625,043, Jan. 13.
Measuring the cross sectional area of boreholes. E. R. Atkins, Jr. 2,649,163, Aug. 18.
Measuring the magnitude of torque strain setup in a mass of material, Means of. J. E. White. 2,635,465, Apr. 21.
Measuring the polarity of seismometers, Method of and apparatus for. E. L. De Shazo, Jr. 2,653,305, Sept. 22.
Measuring unit for work in lathes and screw machines, Length. C. M. Zajdel. 2,648,909, Aug. 18.
Measuring unit, Slime. C. W. Dean. 2,660,884, Dec. 1.
Measuring valve for centralized lubricating systems. W. Schmid. 2,626,014, Jan. 20.
Measuring vessel, Adjustable. F. R. Chester. 2,626,526, Jan. 27.
Measuring visibility. S. Q. Duntley. 2,661,650, Dec. 8.
Meat chopping method and apparatus utilizing a centrifugally positioned knife within a rotating and foraminous basket. W. H. Taylor. 2,637,359, May 5.
Meat curing device. A. C. Gannon, C. E. Kilby, and V. R. Rupp. 2,656,785, Oct. 27.
Meat holding device. A. G. Partin. 2,655,191, Oct. 13.
Meat knife holder. N. A. Merritt. 2,639,038, May 19.
Meat patty forming and sealing machine. F. F. Starzyk. 2,641,094, June 9.
Meat product. E. F. Glabe. 2,635,963, Apr. 21.
Meat products, Production of. S. L. Komarik. 2,634,211, Apr. 7.
Meat-shaping apparatus. C. A. Hammerberg. 2,625,876, Jan. 20.
Meat-skinning machine. W. Stettler. 2,645,263, July 14.
Mechanical apparatus to inject fluids into wells in batches. J. A. Clay, Jr. 2,637,469, May 5.
Mechanical bindings, Manufacture of. C. D. Trussell. 2,645,816, July 21.
Mechanical bi-stable device. E. A. Brown. 2,658,972, Nov. 10.
Mechanical cement trowel or floater. S. W. Marsh. 2,630,048, Mar. 3.
Mechanical collator. W. E. Thomas. 2,646,279, July 21.
Mechanical device for operating boat davits. A. J. Harris. 2,640,206, June 2.
Mechanical differential. G. R. Stibitz. 2,660,064, Nov. 24.
Mechanical fiddler. K. K. and A. R. McEntyre. 2,641,867, June 16.
Mechanical figure, Movable. G. P. Churus. 2,633,669, Apr. 7.
Mechanical figure simulating pouring and drinking liquid. M. Adler. 2,639,547, May 26.
Mechanical flexion and extension wrist. G. B. Robinson. 2,656,546, Oct. 27.
Mechanical gauge. A. Brandt. 2,662,294, Dec. 15.
Mechanical golf practice apparatus. F. W. Sonnett. 2,656,720, Oct. 27.
Mechanical hand. T. C. Harry. 2,639,437, May 26.
Mechanical hand. G. B. Robinson. 2,641,769, June 16.
Mechanical impact tool. A. F. Myers. 2,630,852, Mar. 10.

Mechanical log barker. H. J. Eklund and C. W. Miller. 2,625,968, Jan. 20.
Mechanical modulator. R. A. Hampshire, F. W. Iden, and P. L. Hancock. 2,660,709, Nov. 24.
Mechanical movement. O. Babst. 2,624,204, Jan. 6.
Mechanical movement. A. B. Hulse. 2,648,903, Aug. 18.
Mechanical movement. A. L. Vissat. 2,625,048, Jan. 13.
Mechanical movement for screening machines. W. R. Caler. 2,659,487, Nov. 17.
Mechanical movement in hydraulic motors. L. P. Widmer. 2,642,748, June 23.
Mechanical pronating and supinating wrist. G. B. Robinson. 2,654,891, Oct. 13.
Mechanical reel. E. L. Huff. 2,628,486, Feb. 17.
Mechanical scanning device. D. A. Bell. 2,661,393, Dec. 1.
Mechanical seal, Rotary. F. E. Payne. 2,645,508, July 14.
Mechanical shrink strut for aircraft landing gears. I. Watman. 2,643,834, June 30.
Mechanical spring. O. W. Marlow. 2,650,819, Sept. 1.
Mechanical turn lift. W. N. Weast. 2,651,983, Sept. 15.
Mechanical vibrating device. J. J. Murray, Jr. 2,628,343, Feb. 10.
Mechanically assembling nomographic charts, Means and method for. A. S. Lerner. 2,635,806, Apr. 21.
Mechanically driven selector switch. J. M. Unk, N. Scheffer, and B. M. Pennekamp. 2,662,936, Dec. 15.
Mechanically operated check valve. A. Bertea. 2,634,752, Apr. 14.
Mechanism and method for forming sleeved valve bags. E. E. Burroughs. 2,643,588, June 30.
Mechanism control. D. R. Feemster and R. S. Hinsey. 2,664,014, Dec. 29.
Mechanism control. R. S. Hinsey. 2,637,218, May 5.
Mechanism for adjustably correlating tool feed with rate of cutting of machine tools. R. W. Brown. 2,659,020, Nov. 10.
Mechanism for automatic annual date indicator. C. A. Balzeau. 2,647,359, Aug. 4.
Mechanism for automatically feeding box ends in nailing machines. G. C. Paxton. 2,649,582, Aug. 25.
Mechanism for bodily rotating sliver cans in fixed orientation. J. S. Dudley and C. D. Brandt. 2,657,435, Nov. 3.
Mechanism for changing rotary motion to oscillating motion. E. C. Williams. 2,660,065, Nov. 24.
Mechanism for clamping tarpaulins and the like. J. N. Matthews. 2,636,766, Apr. 28.
Mechanism for controlling blade movements of aircraft sustaining rotors. H. S. Campbell. 2,640,554, June 2.
Mechanism for controlling emission of gas from lighters. A. F. Reilly, Jr., and A. M. Larsen, Jr. 2,652,707, Sept. 22.
Mechanism for controlling the stability of material-handling machines. W. M. Shaffer. 2,659,505, Nov. 17.
Mechanism for converting a uniform motion into a variable motion. M. F. Armelin. 2,655,817, Oct. 20.
Mechanism for converting reciprocating motion into rotary motion. G. E. Manley. 2,640,363, June 2.
Mechanism for corrugating strips of material. J. E. Fay. 2,649,888, Aug. 25.
Mechanism for creasing box blank material. G. S. Sillars and W. B. Hall. 2,629,298, Feb. 24.
Mechanism for design stitching. A. Gellman and S. Diesenhaus. 2,635,568, Apr. 21.
Mechanism for disconnecting and reinserting the lifting movement of the cloth feed claw in sewing machines. G. Amman. 2,652,797, Sept. 22.
Mechanism for dispensing liquid from a plurality of supply containers. L. M. Harvey. 2,647,661, Aug. 4.
Mechanism for distributing slim articles. H. Total. 2,661,830, Dec. 8.
Mechanism for drafting rayon tow. V. A. Burnham. 2,640,228, June 2.
Mechanism for facilitating the removal of a lamp from its socket. G. F. Krtous. 2,657,366, Oct. 27.
Mechanism for feeding cylindrical articles into a centerless grinder. H. C. Edwards. 2,638,723, May 19.
Mechanism for feeding sheets to rotary drum machines. H. T. Backhouse. 2,642,282, June 16.
Mechanism for filling dispensing guns. H. C. Paulsen. 2,646,199, July 21.
Mechanism for folding documents over the edge of cards. G. V. A. Maimros and E. A. Barber, Jr. 2,628,092, Feb. 10.
Mechanism for forming a loop in the web of a film of a motion-picture machine. E. W. D'Arcy. 2,633,356, Mar. 31.
Mechanism for forming strip stock from polyamides. E. B. Montross and P. L. Shurr. 2,624,913, Jan. 13.
Mechanism for freeing flaps and cutouts in carton blanks. R. W. Anness. 2,655,841, Oct. 20.
Mechanism for handling and elevating discrete material. W. H. Bullwinkle. 2,657,813, Nov. 3.
Mechanism for handling boards. R. C. Blair. 2,645,329, July 14.
Mechanism for interlocking pile tubes to submerged structures from above the surface. J. P. Emshwiller. 2,658,550, Nov. 10.
Mechanism for loading sheet material into magazines. C. G. Preis and R. E. J. Nordquist. 2,629,502, Feb. 24.
Mechanism for maintaining alignment of an apron in a textile machine. T. A. Dourdeville. 2,662,767, Dec. 15.
Mechanism for making and depositing balls of ice cream or the like. R. G. Tarr. 2,638,065, May 12.
Mechanism for making wire reinforced fabric spring liners or the like. N. E. Shockey and H. W. Wilkins. 2,648,842, Aug. 18.
Mechanism for marking and cutting trousers. G. R. McAllaster. 2,658,276, Nov. 10.
Mechanism for numerically grouping booklets and the like. C. J. Sadler. 2,660,101, Nov. 24.
Mechanism for operating counters for draw benches. J. B. Higgs. 2,651,465, Sept. 8.
Mechanism for peeling the stem indents of fruit. R. L. Ewald and H. A. Skog. 2,649,879, Aug. 25.
Mechanism for power transmissions. M. Taylor. 2,639,631, May 26.
Mechanism for processing fruit. R. L. Ewald and H. A. Skog. 2,649,880, Aug. 25.
Mechanism for producing gyratory motion. W. C. Conkling. 2,657,582, Nov. 3.
Mechanism for producing hard vibrations for compaction and conveying of materials. J. C. O'Connor. 2,636,719, Apr. 28.
Mechanism for producing simultaneous oscillating and rotary motion. W. Messinger. 2,628,503, Feb. 17.
Mechanism for producing speed indicating markings on the edges of rapidly moving film. C. M. Tuttle and E. O'Neil. 2,663,611, Dec. 22.
Mechanism for raising and lowering kitchen cabinets. J. R. Davis. 2,634,188, Apr. 7.
Mechanism for sensing statistical record cards. C. T. A. Jones. 2,638,270, May 12.
Mechanism for separating air-borne materials. E. V. Gordon. 2,638,181, May 12.
Mechanism for the opening and closing of windows, louvers, or the like. J. S. Bentley. 2,652,245, Sept. 15.
Mechanism for threading beads. V. E. Litterio and M. T. Blease. 2,640,631, June 2.
Mechanism for transforming one form of movement into another, more particularly for use in stencil printing machines. J. E. Freeborn. 2,640,415, June 2.
Mechanism for turning the pages of a book. M. Romaniuk. 2,656,629, Oct. 27.
Mechanism for use in stock feeding devices. R. H. Lowe. 2,625,832, Jan. 20.
Mechanism to control the printing and paper handling equipment of accounting machines. M. A. Goodbar and R. G. Pratt. 2,636,435, Apr. 28.
Mechanism to transfer automobiles. J. N. Murphy. 2,652,938, Sept. 22.
Mechanized feeding mechanism for animals. W. R. Peterson and A. C. Radtke. 2,654,344, Oct. 6.
Medical apparatus. Q. H. Hu. 2,646,042, July 21.
Medical diagnostic instrument. E. M. Rhuh and C. W. Bergerson. 2,652,825, Sept. 22.
Medical dusting powder. C. G. Caldwell, T. A. White, W. L. George, and J. J. Eberl. 2,626,257, Jan. 20.
Medicament applicator. J. R. Johnson. 2,647,512, Aug. 4.
Medicaments, Narcotic. N. J. Lewenstein. 2,630,400, Mar. 3.
Medicinal grade sulfamethazine, Preparation of. G. A. Ingham. 2,631,147, Mar. 10.
Medicinal mineral oil vehicle thickened with polyethylene. S. H. Frohmader and M. J. Shoemaker. 2,628,187, Feb. 10.
Medicinal slipper. H. R. Lewis. 2,664,087, Dec. 29.
Medium oil alkyd resin surface coating materials and preparing the same. F. R. Spencer. 2,648,642, Aug. 11.
Melamine and/or guanidine, Preparation of. J. S. Mackay. 2,658,891, Nov. 10.
Melamine condensation products and preparing the same. F. Kness, E. Doehlemann, and E. Vogel. 2,662,873, Dec. 15.
Melamine-formaldehyde reaction products, Preparation of. W. M. Bruner and H. M. Kvalnes. 2,640,041, May 26.
Melamine-formaldehyde resinous composition with filler. A. A. Varela. 2,639,277, May 19.
Melamine from biuret, Preparation of. J. H. Paden and J. S. Mackay. 2,658,892, Nov. 10.
Melamine, Producing. R. A. Vingee. 2,649,446, Aug. 18.
Melamine resin and diguanidine carbonate, Flowable. J. F. Blais. 2,633,459, Mar. 31.
Melamine transfer. T. S. Reese. 2,639,253, May 19.
Melody combs, Making. T. R. Duncan. 2,649,652, Aug. 25.
Melting and dispensing apparatus. A. W. Wickesberg. 2,646,189, July 21.
Melting apparatus, High-temperature. I. Harter and C. L. Norton, Jr. 2,636,723, Apr. 28.
Melting furnace. S. Spell and E. R. Powell. 2,658,743, Nov. 10.
Melting furnace with thermocouple reception means. C. M. Zvanut. 2,655,550, Oct. 13.
Melting glass and the like. G. Henry and E. Brichard. 2,634,555, Apr. 14.
Melting point apparatus. J. Vanderkamp. 2,658,382, Nov. 10.
Memorandum attachment for telephones. G. D. Mohundro. 2,661,961, Dec. 8.
Memory system. J. P. Eckert, Jr., and J. W. Mauchly. 2,629,827, Feb. 24.
Menu, Electrically operated. M. K. Jones. 2,634,406, Apr. 7.

Mercapto aryl thiazoles, Manufacture of. P. T. Paul and G. A. Anderson. 2,631,153, Mar. 10.
Mercapto azine derivatives. P. M. Downey. 2,651,630, Sept. 8.
Mercerization. W. F. Luther. 2,647,037, July 28.
Merchandise display. R. K. Barton. 2,635,744, Apr. 21.
Merchandise display cabinet. G. C. Kennedy. 2,625,806, Jan. 20.
Merchandise package. G. L. Evans. 2,624,502, Jan. 6.
Merchandise supporting means for store-employed display, Tiltable. M. K. Teach. 2,648,583, Aug. 11.
Merchandise unloading toy car. F. Pettit. 2,658,307, Nov. 10.
Merchandising and directly dispensing liquid infant food, Methods and devices for. J. J. Horan. 2,628,911, Feb. 17.
Merchandising and dispensing liquid infant food, Methods and devices for. J. J. Horan. 2,628,910, Feb. 17.
Merchandising display for luminous coated flashlights and the like. J. C. Calhoun, W. L. Davidson, and K. J. Hansen. 2,629,830, Feb. 24.
Merchandising machine, Candy. C. Gabrielsen. 2,652,304, Sept. 15.
Merchandising package, Lamp-bulb. R. T. White. 2,654,472, Oct. 6.
Mercurated allylurea derivatives and diuretics containing the same. R. L. Rowland. 2,635,982, Apr. 21.
Mercuric acetate, Making. F. P. Greenspan. 2,661,360, Dec. 1.
Mercury cathode electrolysis apparatus. A. Basilewsky. 2,648,630, Aug. 11.
Mercury cathode electrolytic cell. R. A. Horst. 2,631,126, Mar. 10.
Mercury column thermostats, Making. W. M. Smith, B. F. Freeberg, and A. W. Tharp. 2,660,005, Nov. 24.
Mercury diaryls. K. A. Kobe and R. T. McCutchan. 2,628,241, Feb. 10.
Mercury dispenser. H. E. Baker. 2,662,678, Dec. 15.
Mercury dispenser. J. T. L. Brown. 2,634,028, Apr. 7.
Mercury interrupter. W. W. Cushman. 2,637,792, May 5.
Mercury or liquid contact switch. I. Shamah. 2,642,512, June 16.
Mercury relay. G. L. Weimer. 2,658,124, Nov. 3.
Mercury rectifier tube. R. S. Tice. 2,641,724, June 9.
Mercury sealed valve. R. D. Harrison and H. G. Hall. 2,642,891, June 23.
Mercury switch. H. N. Burroughs. 2,655,579, Oct. 13.
Mercury switch. G. J. Denning. 2,626,333, Jan. 20.
Mercury switch. J. C. Hardy. 2,629,797, Feb. 24.
Mercury switch mounting. L. H. McCammant. 2,650,274, Aug. 25.
Mercury vapor rectifier tube employing magnetic field. J. H. Coleman. 2,660,687, Nov. 24.
Merry-go-round, Undulatory. C. E. Hurst. 2,646,281, July 21.
Meso-halogeno-aza-acridines, Manufacture of. A. A. Goldberg and D. M. Besly. 2,650,225, Aug. 25.
Mess kit. A. H. Quigley. 2,657,820, Nov. 3.
Messenger wire clamp. H. R. Wengen, A. C. Miller, and R. B. Schoonmaker. 2,631,346, Mar. 17.
Metabolism testing apparatus. C. J. Glasser. 2,633,843, Apr. 7.
Metal alloy. S. Low. 2,636,818, Apr. 28.
Metal and producing same, Impregnated. A. P. Ostl and M. Balicki. 2,661,238, Dec. 1.
Metal-aureomycin complexes. J. F. Weidenheimer, C. C. Reed, and S. D. Upham. 2,640,842, June 2.
Metal-backed wood floor. E. Hirsch. 2,651,820, Sept. 15.
Metal belt for conveying and guiding strip traveling at high speed, Transversely slotted. E. T. Lorig. 2,646,161, July 21.
Metal, Cast iron filler. R. D. Wasserman. 2,630,382, Mar. 3.
Metal chair. R. S. Sanford. 2,649,147, Aug. 18.
Metal cleaning method. J. A. Faler. 2,635,064, Apr. 14.
Metal clip-on safety toe. L. S. Null and M. T. Sharatz. 2,625,753, Jan. 20.
Metal coating composition. H. G. Smith, T. L. Cantrell, and E. E. Fisher. 2,641,551, June 9.
Metal connection for building frames. V. R. P. Saxe. 2,624,429, Jan. 6.
Metal cross bar joints, Making. S. M. S. Adams. 2,641,825, June 16.
Metal cutting tool. E. J. Kaiser. 2,649,818, Aug. 25.
Metal doors. E. S. Persson. 2,649,171, Aug. 18.
Metal drawing apparatus. W. P. Avey, H. H. Herrington, L. W. Meyer, and J. E. McLaughlin. 2,635,738, Apr. 21.
Metal extension slide structure. F. B. Walter. 2,626,195, Jan. 20.
Metal facing on hardenable material, Producing a. J. E. Gordon and C. G. Evans. 2,638,428, May 12.
Metal finishing method. M. B. Vordahl, R. H. Grace, and P. H. Eccleston. 2,639,244, May 19.
Metal fluorides, Producing. W. A. La Lande, Jr. and I. Mockrin. 2,659,658, Nov. 17.
Metal forming. G. Cozzo. 2,655,823, Oct. 20.
Metal forming and welding machine. W. E. Price. 2,647,483, Aug. 4.
Metal forming press. C. J. Bath and R. J. Ebert. 2,642,114, June 16.
Metal frame construction, Flush corner. H. J. Bianco. 2,636,580, Apr. 28.
Metal frame for upholstered furniture. G. Ingram, Jr. and H. Howe. 2,641,311, June 9.
Metal having precious metal surface and beryllium-copper base, Composite. E. H. Davignon. 2,646,616, July 28.
Metal ion chelating compounds consisting of mono phenyl poly alkylene polyamino polycarboxylic acids and salts. F. C. Bersworth. 2,624,756, Jan. 6.
Metal manufacturing apparatus. C. W. Hazelett. 2,640,235, June 2.
Metal molding bag. T. P. Pajak. 2,636,539, Apr. 28.
Metal molybdite catalyzed decarbonylation of furfural to furan. J. E. Carnahan. 2,634,276, Apr. 7.
Metal molybdite catalyzed polymerization. J. E. Carnahan. 2,634,260, Apr. 7.
Metal oxalates, Production of. S. E. Mayer. 2,636,892, Apr. 28.
Metal oxide gel catalysts, Preparation of. E. A. Hunter and C. N. Kimberlin, Jr. 2,627,506, Feb. 3.
Metal oxide impregnated with silver permanganate as oxidation agent. M. Katz. 2,657,182, Oct. 27.
Metal oxide production. F. W. Lane. 2,653,078, Sept. 22.
Metal phthalocyanines, Preparing. R. E. Brouillard. 2,647,128, July 28.
Metal plated smoking pipe. E. R. Rinehart. 2,662,531, Dec. 15.
Metal powder, Method and apparatus for the production of. H. A. Golwynne. 2,638,627, May 19.
Metal powder, Production of. H. A. Golwynne. 2,638,630, May 19.
Metal powders, Production of. L. Schlecht and E. Oestreicher. 2,663,630, Dec. 22.
Metal production and continuous gas plating, Continuous. H. A. Toulmin, Jr. 2,657,457, Nov. 3.
Metal sash surround. L. B. Kolkey and M. Appleman. 2,635,720, Apr. 21.
Metal shaping machine. J. R. Turner. 2,628,584, Feb. 17.
Metal sheet lapping apparatus and method. D. Buccicone. 2,655,248, Oct. 13.
Metal shelter, Collapsible. H. B. Tobias. 2,642,162, June 16.
Metal spinning apparatus, Automatic. J. R. Tinsman, R. J. Novy, and J. E. Thurlow. 2,653,562, Sept. 29.
Metal strap tire chain. C. B. Woodworth. 2,637,364, May 5.
Metal structural member, Nailable. J. M. Gwynne, 2,664,179, Dec. 29.
Metal structure, Monolithic. A. B. Bagsar. 2,634,699–700, Apr. 14.
Metal surface treatment. R. Pottberg. 2,650,888, Sept. 1.
Metal tank. J. Sacco. 2,632,577, Mar. 24.
Metal-to-ceramic seal. K. H. McPhee and H. W. Soderstrom. 2,650,683, Sept. 1.
Metal-to-ceramic seals, Making. C. V. Litton. 2,647,070, July 28.
Metal to plastic bonding. L. C. Rubin. 2,638,523, May 12.
Metal tungstite catalyzed hydrogenation process. H. R. Arnold and J. E. Carnahan. 2,642,463, June 16.
Metal vaporizer and vapor coating. W. J. Karash and A. G. Foote. 2,660,540, Nov. 24.
Metal window screen frame. S. L. and F. L. Mason. 2,624,428, Jan. 6.
Metalworking. R. M. Schumacher. 2,635,493, Apr. 21.
Metal-working apparatus. S. W. Hayes. 2,660,128, Nov. 24.
Metalworking fixture, Centerless. J. W. Lewin. 2,630,728, Mar. 10.
Metalworking lubricant. R. B. Killingsworth. 2,628,197, Feb. 10.
Metal-working machine. G. E. Hieber. 2,660,738, Dec. 1.
Metalworking machine. E. Stiefelmayer. 2,653,561, Sept. 29.
Metalworking machine, Automatic. I. J. Fink and W. V. McNeely. 2,640,253, June 2.
Metallic and clay articles, Making. W. S. Ramsay. 2,637,890, May 12.
Metallic bellows. D. P. Schwester and J. J. Phillips. 2,657,074–5, Oct. 27.
Metallic oxides useful as pigments, Process and apparatus for the production of finely divided. R. Weber and W. Frey. 2,635,946, Apr. 21.
Metallic rectifier construction. H. B. Conant. 2,656,493, Oct. 20.
Metallic resilient wheel. G. A. Schehr. 2,639,752, May 26.
Metallic soaps of fatty acids, Preparing. L. M. Kebrich and A. R. Pitrot. 2,650,932, Sept. 1.
Metalliferous monoazo dyestuffs. C. Zickendraht and R. Wittwer. 2,653,926, Sept. 29.
Metallization of nonmetallic surfaces. C. F. Drake. 2,639,997, May 26.
Metallized ortho-hydroxy, ortho-amino monoazo dyestuffs and their use in dyeing nylon. H. H. Bestehorn and J. F. Morgan. 2,624,653, Jan. 6.
Metallized paper capacitor. R. A. Grouse. 2,637,766, May 5.
Metallized plastic foil. J. P. McGirr. 2,644,761, July 7.
Metallized spirit-soluble azo dyestuffs. H. B. Freyermuth. 2,628,960, Feb. 17.
Metalizing apparatus. J. A. Sargrove. 2,631,565, Mar. 17.
Metallizing gun. J. B. Brennan. 2,648,567, Aug. 11.
Metallurgical process. V. S. de Marchi. 2,656,267, Oct. 20.
Metatarsal length compensating device. L. Filardo. 2,641,066, June 9.

Meter: *See*—
Air and moisture meter.
Arterial pulse wave velocity meter.
Automatic parking meter.
Badge meter.
Coin novelty meter.
Consistency meter.
Density meter.
Detonation meter.
Direct-reading photoelectric exposure meter.
Drip meter.
Dry gas meter.
Dual-channel counting rate meter.
Dye fluid dispensing meter.
Electric energy meter.
Electrical meter.
Electrical resistivity dip meter.
Electrical watt-hour meter.
Elevation meter.
Fishing line meter.
Fluid meter.
Frequency meter.
Fuel-distance meter.
Gas meter.
Grade meter.
Graininess meter.
Gravity meter.
Hour meter.
Liquid meter.
Logarithmic exposure meter.
Lubricated gas meter.
Marine current meter.
Marine wave meter.
Moisture meter.
Parking meter.
Piston type fluid meter.
Pocket radiation meter.
Proximity meter.
Q meter.
Radiation exposure meter.
Rate meter.
Respiratory quotient and metabolism meter.
Soil moisture meter.
Trip timing meter.
Weighing meter.

Meter and camera, Combined exposure. W. Stein. 2,630,049, Mar. 3.
Meter and color analyzer, Color temperature. M. H. Sweet. 2,648,253, Aug. 11.
Meter and register drive assembly, Light weight rotary fluid. W. I. Smith. 2,627,848, Feb. 10.
Meter calibrator, Detonation. D. R. de Boisblanc. 2,629,053, Feb. 17.
Meter compensating mechanism, Automatic. R. B. Pressler. 2,653,476, Sept. 29.
Meter for industrial liquids. R. B. Pressler. 2,625,914. Jan. 20.
Meter for logging boreholes, Electrical dip. H. W. Patnode. 2,633,485, Mar. 31.
Meter having preformed current windings, Watthour. B. E. Lenehan. 2,656,512, Oct. 20.
Meter mechanism, Parking. R. S. Sanford and J. O. Eames. 2,628,699, Feb. 17.
Meter mount. H. Jensen. 2,631,210, Mar. 10.
Meter pickup, Detonation. M. M. Adams. 2,641,719, June 9.
Meter registration device, Remote. R. J. Dufour. 2,633,296, Mar. 31.
Meter tester machine. W. E. Ford. 2,635,454, Apr. 21.
Meter tester, Water. W. E. Ford and H. Niemeyer. 2,631,451, Mar. 17.
Meter top and index box. F. Whitworth. 2,647,404, Aug. 4.
Meter type relay having levers for resetting its contact arm. E. B. Marshall. 2,648,735, Aug. 11.
Meter with interchangeable dial and register. J. C. Miller. 2,627,747, Feb. 10.
Metering and flow indicating device, Liquid. S. C. Nelson. 2,663,188, Dec. 22.
Metering and phasing mechanism, Film. H. T. Hodges. 2,652,210, Sept. 15.
Metering and timing controller for sprinkling systems. C. R. Tigert and D. E. Finnicum. 2,642,076, June 16.
Metering and view finding camera with swivel handle grip, Combination. L. M. Culp. 2,660,103, Nov. 24.
Metering apparatus for oxygen tents. J. Gilroy and A. R. Wiese, Jr. 2,646,041, July 21.
Metering apparatus, Liquid. L. R. Dunavant. 2,649,713, Aug. 25.
Metering apparatus, Remote. C. Oman and J. R. Clark. 2,640,974, June 2.
Metering appliance with automatic solution shutoff device. A. H. Deatrick and A. J. Kish. 2,656,849, Oct. 27.
Metering device, Coin-controlled mileage. E. R. Cappelle. 2,662,627, Dec. 15.
Metering device, Liquid. A. V. Hemmens. 2,648,225, Aug. 11.
Metering device, Pressure operated milk. W. H. Harstick and H. W. Hein. 2,630,712, Mar. 10.
Metering mechanism, Film. H. T. Hodges. 2,652,209, Sept. 15.
Metering mechanism, Flow. H. W. Ibbott. 2,647,402, Aug. 4.
Metering system for gas turbine engines, Fuel. W. L. Dray and F. V. Kuzmitz. 2,628,472, Feb. 17.
Metering system, Self-aid high-pressure. C. D. Baucom. 2,641,907, June 16.
Methallyl halides, Production of. H. A. Cheney, A. W. Fairbairn, and O. L. Davis. 2,642,464, June 16.
Methanethiol, Production of. R. T. Bell. 2,647,151, July 28.
Methine dyes, Preparing. W. W. Williams and A. F. Strobel. 2,649,471, Aug. 18.
Methine dyestuffs. H. D. Edwards. 2,638,473, May 12.
Method and apparatus for consuming bodies. L. H. Vanderwerf. 2,625,121, Jan. 13.
Method and apparatus for controlling the liquid seals on steam sterilizers. A. H. Webster. 2,660,512, Nov. 24.
Method and apparatus for detecting motion in a confined space. S. M. Bagno. 2,655,645, Oct. 13.
Method and apparatus for mixing beverages. B. S. Wolke. 2,657,023, Oct. 27.
Method and apparatus for solid transfer. R. C. Wilson, Jr. 2,626,235, Jan. 20.
Method and apparatus for splicing. D. J. Hinman. 2,647,555, Aug. 4.
Method and apparatus to establish locating points on workpieces. V. Cronstedt. 2,629,936, Mar. 3.
Method and apparatus to supply a beverage to a filling machine and fill containers thereby. F. T. Gricar, Jr., W. J. Sommers, and G. L. N. Meyer. 2,660,360, Nov. 24.
Method and apparatus utilizing compressional wave energy in the upper sonic and supersonic range for washing textiles. S. Goldwasser. 2,650,872, Sept. 1.
Method and apparatus utilizing high-frequency electrical energy in shoemaking. R. M. Osborn. 2,633,586, Apr. 7.
Method and composition for chemically polishing metals. J. R. Swihart. 2,662,814, Dec. 15.
Method and composition for coating aluminum with tin. S. Heiman. 2,624,684, Jan. 6.
Method and composition for the control of undesired vegetation. W. R. Mullison. 2,656,265, Oct. 20.
Method and device for applying rubber coatings to fabric bands. W. Stegemann. 2,629,424, Feb. 24.
Method and device for driving tubular bodies into the ground by means of fluid jets. E. Pickman. 2,649,694, Aug. 25.
Method and device for producing high-pressure tubes of hardening materials as cement. K. Just. 2,649,133, Aug. 18.
Method and device for regulating the output and pressure conditions of the working medium in gas turbine plants. W. Traupel. 2,654,216, Oct. 6.
Method and device for visual observation of dense-phase suspensions. F. Bonar and C. D. Pears. 2,650,562, Sept. 1.
Method and device for welding wires on metal bodies. U. Günther. 2,662,153, Dec. 8.
Method and excitation chamber for spectroscopic analyses. F. Todd. 2,643,574, June 30.
Method and fashioning means for knitting machines. H. E. Haehnel. 2,635,018, Oct. 13.
Method and machine for interleaving and stacking sheets of paper and similar materials. L. J. Chambon. 2,661,946, Dec. 8.
Method and machine for making capsules. F. E. Stirn and A. S. Taylor. 2,663,128, Dec. 22.
Method and machine for making inlaid products. W. E. Benedict and J. G. Van Sciver. 2,654,415, Oct. 6.
Method and machine for manufacturing applicators. J. H. Bent. 2,656,219, Oct. 20.
Method and machine for manufacturing corrugated fibrocement slabs. A. Magnani. 2,655,196, Oct. 13.
Method and machine for producing a continuous honeycomb structure. G. I. Goodwin and H. H. Klee. 2,648,371, Aug. 11.
Method and machine for producing unwoven fabrics. J. Phillips and V. L. Payne. 2,648,876, Aug. 18.
Method and masking shield for interiorly coating hollow articles. H. E. Hermanson. 2,657,150, Oct. 27.
Method and means for butt welding. A. C. Body. 2,629,805, Feb. 24.
Method and means for folding shirts. G. W. Johnson. 2,629,520, Feb. 24.
Method and means for hot-air radiant heating. A. A. Lahti. 2,629,309, Feb. 24.
Method and means for obtaining a predetermined phase shift characteristic. W. A. Eliot and W. H. Erikson. 2,657,276, Oct. 27.
Method and means of measuring current collector wear. T. H. Sawyer. 2,629,862, Feb. 24.
Method and mechanism for shuttleless looms. M. R. Flamand. 2,641,285, June 9.
Method and system for braking hot-gas piston engines and for utilizing heat generated thereby in operation thereof. W. J. van Heeckeren and P. H. Clay. 2,643,509, June 30.
Method and system for stabilizing the frequency of oscillators. W. D. Hershberger. 2,663,798, Dec. 22.
Method and test equipment for measuring the quality of glass surfaces of unusually large dimensions under different supporting and loading conditions. T. W. Zobel and F. Mirus. 2,641,958, June 16.
Method for treating cellulose and product thereof. W. P. Ericks. 2,629,674, Feb. 24.
Method in sulfite pulping for obtaining concentrated waste liquor. G. Kyrklund. 2,639,986, May 26.
Method involved in the apparatus for mechanically applying seeds to dough forms. C. Hettinger. 2,642,821, June 23.
Method, machine, and tool for lapping dividing heads and gears. J. D. Strong. 2,646,650, July 28.
Method of and bath for electrodepositing tungsten alloys. A. Brenner, P. S. Burkhead, and C. A. Sentel. 2,653,128, Sept. 22.
Method of and bath for electrolytic polishing. W. G. Axtell. 2,645,611, July 14.
Method of and device for producing specifically orientated polished faces on diamonds. P. Grodzinski and A. L. K. Penkuhn. 2,654,979, Oct. 13.
Method of and device for saving shaving soap. M. J. Carrau. 2,646,878, July 28.

Method of and machine for forming linings. W. P. Drew. 2,655,080, Oct. 13.
Method of and machine for packaging material in an inert gaseous atmosphere. H. L. Bartelt. 2,649,671, Aug. 25.
Method of and material for treating water. R. C. Ulmer. 2,640,808, June 2.
Method of and means for handling biscuits. A. C. Page. 2,656,907, Oct. 27.
Method of maintaining micro-organisms in a viable state. W. L. Owen. 2,624,692, Jan. 6.
Method of making a cuprammonium cellulose solution. E. J. Courtney. 2,651,582, Sept. 8.
Method of producing tetryl. G. Desseigne. 2,629,739, Feb. 24.
Method to limit stresses in cable tool drilling lines. J. F. Kendrick. 2,631,012, Mar. 10.
Methods of and baths for electrodepositing cobalt or cobalt-molybdenum alloys. A. Brenner and P. Burkhead. 2,653,127, Sept. 22.
Methyl acetylene, Production of. A. W. C. Taylor, D. G. Jones, and M. L. Allan. 2,649,485, Aug. 18.
Methyl acrylate, Manufacture of. F. J. Bellringer, T. Bewley, R. C. Snell, and K. H. W. Truck. 2,649,475, Aug. 18.
Methylchlorosilanes, Preparation of. R. O. Sauer. 2,647,136, July 28.
Methyl chlorpropyl formamide. M. Sletzinger and M. Tishler. 2,648,709, Aug. 11.
Methyl group shifting of olefin. J. P. Hogan. 2,653,981, Sept. 29.
Methylhydrogenpolysiloxane, Production of. S. Nitzsche and E. Pirson. 2,647,911, Aug. 4.
Methyl isomelamine, Preparing. D. W. Kaiser. 2,653,935, Sept. 29.
Methyl methacrylate-modified oil alkyd. C. J. Opp and R. E. Werner. 2,647,093, July 28.
Methylstannic acid, Preparation of. K. C. Eberly and C. E. Best. 2,626,955, Jan. 27.
Methyl tin chlorides, Preparation of. F. A. Smith. 2,625,559, Jan. 13.
Methylal, Production of. L. K. Frevel and J. W. Hedelund. 2,663,742, Dec. 22.
Methylated pyrazoleanthronebenzanthrones. D. I. Randall. 2,647,899, Aug. 4.
Methylol phenyl compound. R. W. Martin. 2,636,875, Apr. 28.
Methylolstreptomycin. C. I. Jarowski and F. X. Murphy. 2,637,724, May 5.
Microbiocidal treatment of water with bromine chloride. J. Kamlet. 2,662,855, Dec. 15.
Microcontrol for top out-feed planer roll. W. Veersma. 2,664,124, Dec. 29.
Microcoulometer. G. K. Turner. 2,638,491, May 12.
Microhardness tester. H. Broschke. 2,637,202, May 5.
Micrometer. F. M. Laserson. 2,639,510, May 26.
Micrometer. M. Mennesson. 2,626,464, Jan. 27.
Micrometer adjustment device for valves. C. J. Mehler. 2,628,588, Feb. 17.
Micrometer and attachment. L. M. Rutherford. 2,662,293, Dec. 15.
Micrometer caliper. C. A. Burdick. 2,627,663, Feb. 10.
Micrometer caliper, Easy reading. J. A. Stedman. 2,644,240, July 7.
Micrometer device and scale, Combined. E. C. Olney. 2,658,280, Nov. 10.
Micrometer, Electrical. M. L. Greenough. 2,629,004, Feb. 17.
Micrometer gauge. H. R. Billeter. 2,648,134, Aug. 11.
Micrometer gauge. F. Romano. 2,663,087, Dec. 22.
Micrometer height gauge. B. Gessler. 2,650,436, Sept. 1.
Micrometer measuring device. M. Knobel. 2,624,121, Jan. 6.
Micrometer, Outside. J. A. Stedman. 2,625,745, Jan. 20.
Microphone. C. K. Stedman and F. H. Smith. 2,626,380, Jan. 20.
Microphone. C. F. Teichmann. 2,648,828, Aug. 11.
Microphone and receiver for audiphones, Combined. R. B. Bland. 2,634,337, Apr. 7.
Microphone, Second order gradient directional. H. F. Olson and J. Preston. 2,640,110, May 26.
Microphone, Steering wheel. K. W. Small. 2,644,858, July 7.
Microphone suspension, Flexible. E. B. Newman and J. Volkmann. 2,647,956, Aug. 4.
Microphone, Unidirectional. A. M. Wiggins. 2,627,558, Feb. 3.
Microporous carbon and graphite articles, including impregnated battery electrodes and making the same. L. P. Basset. 2,658,099, Nov. 3.
Microscope. S. R. Hawkins. 2,635,504, Apr. 21.
Microscope attachment, Multipurpose. E. J. Thor. 2,651,969, Sept. 15.
Microscope, Electron. A. Verhoeff. 2,655,601, Oct. 13.
Microscope, Interference. J. S. Philpot. 2,660,922, Dec. 1.
Microscope nosepiece. C. J. Bowerman. 2,656,759, Oct. 27.
Microscope objective. W. Klein. 2,644,943, July 7.
Microscope objective. G. Ravizza, K. Keiner, and W. Klein. 2,644,362, July 7.
Microscope slide holder. J. V. Jorgensen. 2,633,980, Apr. 7.
Microscope, Variable phase contrast. H. Marx. 2,637,243, May 5.
Microscope with means for modifying contrast in optical images. A. H. Bennett. 2,655,077, Oct. 13.
Microtome, High-speed. R. G. Picard and J. H. Reisner. 2,642,774, June 23.
Microtome specimen holder. H. Kahler. 2,651,236, Sept. 8.
Microwave apparatus. P. L. Spencer. 2,652,475, Sept. 15.
Microwave circuit stabilization means. E. R. Taylor. 2,636,116, Apr. 21.
Microwave detector. W. D. Hershberger. 2,624,840, Jan. 6.
Microwave detector. J. F. Zaleski. 2,649,544, Aug. 18.
Microwave device. D. H. Sloan. 2,641,734, June 9.
Microwave frequency cavity resonator structure. S. F. Varian. 2,644,908, July 7.
Microwave heating. T. P. Kinn. 2,640,142, May 26.
Microwave heating. T. P. Kinn. 2,650,291, Aug. 25.
Microwave hollow guide power divider. J. F. Zaleski. 2,649,575, Aug. 18.
Microwave modulation. S. Freedman and G. F. Bonardi. 2,640,964, June 2.
Microwave phase shifter. J. F. Zaleski. 2,647,950, Aug. 4.
Microwave polarization rotating device and coupling network. C. H. Luhrs and W. J. Tull. 2,644,930, July 7.
Microwave power divider. J. F. Zaleski. 2,634,332, Apr. 7.
Microwave power divider and switch. J. F. Zaleski. 2,647,951, Aug. 4.
Microwave protective system. H. R. Summerhayes, Jr., and E. D. Cook. 2,660,718, Nov. 24.
Microwave rotatable joint. J. F. Zaleski. 2,654,868, Oct. 6.
Microwave slot coupling. J. E. Gibson. 2,626,316, Jan. 20.
Microwave spectrography. E. B. Wilson, Jr., and R. H. Hughes. 2,636,926, Apr. 28.
Microwave spectroscopy, Wide band. W. D. Hershberger. 2,637,767, May 5.
Microwave test equipment. H. J. Riblet. 2,654,863, Oct. 6.
Microwave Wheatstone bridge. B. A. Lippmann and J. S. Schwinger. 2,643,295, June 23.
Mildew-resistant mineral-coated soap wrap. J. J. Thomas. 2,662,040, Dec. 8.
Mileage indicating attachment for self-propelled vehicles. M. M. Clark and R. E. Hansen. 2,657,285, Oct. 27.
Military bridge. C. A. M. E. Odot. 2,636,197, Apr. 28.
Milk bottle thermometer support. D. C. Shelton. 2,660,060, Nov. 24.
Milk can container. C. C. Crippen. 2,657,828, Nov. 3.
Milk cooler. J. R. Boyle. 2,659,579, Nov. 17.
Milk cooler. V. A. Haines. 2,644,604, July 7.
Milk cooler. F. A. Hansen. 2,626,784, Jan. 27.
Milk cooler. R. Markley. 2,661,607, Dec. 8.
Milk cooling and distributing means. E. Mathiesen. 2,650,427, Sept. 1.
Milk cooling arrangement. C. A. Thomas. 2,634,187, Apr. 7.
Milk chute refrigerator. F. Malek. 2,629,231, Feb. 24.
Milk fat blending apparatus. V. Schwarzkopf. 2,662,751, Dec. 15.
Milk line nipple M. J. Smith. 2,626,590, Jan. 27.
Milk measuring and material feeding device. W. R. Peterson. 2,661,122, Dec. 1.
Milk-papaya powders, beverages made therefrom, and producing the same. A. S. Wahl. 2,650,165, Aug. 25.
Milk powder and its preparation. F. F. Hansen. 2,663,643, Dec. 22.
Milk powder, Preparation of. F. F. Hansen. 2,663,644, Dec. 22.
Milk product and process. D. D. Peebles and M. D. Girvin. 2,650,879, Sept. 1.
Milk product containing milk fat, and producing same. C. A. Kempf, J. S. Neidlinger, A. P. Stewart, Jr., and P. F. Sharp. 2,638,418, May 12.
Milk product enhanced in amino acids and peptides. F. H. Tinkler, R. C. Stribley, and J. G. Kennedy. 2,650,166, Aug. 25.
Milk product for use in coffee or the like and producing same, Dried. C. A. Kempf and E. L. Blanchard. 2,645,579, July 14.
Milk products, Producing concentrated. H. E. Otting and C. K. Ortman. 2,633,424, Mar. 31.
Milk releaser. H. W. Hein. 2,625,133, Jan. 13.
Milk releaser, Diaphragm type. F. G. Hodsdon. 2,630,782, Mar. 10.
Milk sampling device. W. M. Thomson. 2,624,201, Jan. 6.
Milk strainer for separator supply cans. W. H. Harstick. 2,656,928, Oct. 27.
Milk transfer unit for automatic milking machines. R. E. Reeve. 2,628,589, Feb. 17.
Milking machine. A. E. Mayer. 2,627,840, Feb. 10.
Milking machine cleaner of the cleaning liquid circulating type. C. J. Buchinger. 2,624,355, Jan. 6.
Milking machine pulsator. C. A. Thomas. 2,646,058, July 21.
Milking machinery. W. B. Roop. 2,631,566, Mar. 17.

Mill: *See*—
Attrition mill.
Boring mill.
Conical grinding mill.
Cross rolling mill.
Dispersion mill.
Homogenizing mill.
Pellet mill.
Portable boring mill.
Rolling mill.
Rotary disk type homogenizing mill.
Rotary grinding ball mill.
Rotary weight-impact crushing mill.
Two stage hammer mill.
Mill addition agent for enamel slips. W. M. Fenton. 2,662,028, Dec. 8.
Milling and the like machine tool. T. F. Eserkaln. 2,645,163, July 14.
Milling attachment for lathes. C. Schlagel. 2,651,239, Sept. 8.
Milling attachment for universal machine tools. C. Haesler. 2,645,979, July 21.
Milling bit. J. G. Jackson. 2,633,682, Apr. 7.
Milling cutter. C. A. Billman. 2,656,591, Oct. 27.
Milling cutter. A. Hage. 2,658,260, Nov. 10.
Milling fixture. R. C. Lacy. 2,652,750, Sept. 22.
Milling machine. W. F. Huck. 2,658,424, Nov. 10.
Milling machine control mechanism. E. G. Roehm and H. Fritschi. 2,633,061, Mar. 31.
Milling machine, Duplicating. C. M. Zoll. 2,661,661, Dec. 8.
Milling machine, Pattern controlled. J. B. Armitage. 2,644,370, July 7.
Milling machine, Turn. L. E. Godfriaux. 2,650,522, Sept. 1.
Milling wheat. R. B. Dodds and A. N. Hibbs. 2,651,470, Sept. 8.
Milliamperage stabilizer. J. Ball. 2,627,035, Jan. 27.
Millimeter wave generator. B. D. Kumpfer. 2,633,556, Mar. 31.
Mine car. H. F. Flowers. 2,633,089, Mar. 31.
Mine car draft rigging. C. A. Anderson. 2,664,213, Dec. 29.
Mine car topping gate. A. Casciano. 2,651,268, Sept. 8.
Mine coupler. C. N. Rydin. 2,656,046, Oct. 20.
Mine haulage vehicle. J. J. Slomer. 2,649,980, Aug. 25.
Mine roof prop, Self-propelled. P. J. Malloy. 2,644,311, July 7.
Mine roof support. R. N. Knights and C. M. Frye. 2,641,906, June 16.
Mine service vehicle. E. M. Arentzen. 2,664,217, Dec. 29.
Mine skip. L. C. Erickson. 2,659,502, Nov. 17.
Mine stemple comprising two telescoping sections. K. Gerlach. 2,640,674, June 2.
Mine support. J. Brand. 2,656,141, Oct. 20.
Mine supporting structure. K. Gerlach. 2,650,475, Sept. 1.
Mining and apparatus therefor. W. B. Lang. 2,634,960, Apr. 14.
Mining and handling coal. E. Ramsay. 2,651,513, Sept. 8.
Mining and loading machine. S. C. Moon. 2,630,308, Mar. 3.
Mining drill. T. E. Rassieur. 2,650,071, Aug. 25.
Mining drill bit extractor. C. J. King. 2,627,654, Feb. 10.
Mining machine. J. C. Sproul. 2,626,140, Jan. 20.
Mining machine. J. M. Towler. 2,626,139, Jan. 20.
Mining machine frame and cutter bar construction. A. L. Lee. 2,637,543, May 5.
Mining machine hydraulic control system and master Safety valve therefor. M. G. Carlson. 2,659,206, Nov. 17.
Mining machine of front kerf cutting type. W. O. Fielding. 2,636,722, Apr. 28.
Mining machine, Reversible longwall. L. E. Simmons. 2,657,915, Nov. 3.
Mining operation. R. D. Pike and M. Y. Seaton. 2,625,384, Jan. 13.
Mineral coated paper and coating composition therefor. A. Reilly. 2,651,580, Sept. 8.
Mineral fiber mats and making same. T. E. Philipps. 2,664,376, Dec. 29.
Mineral flotation. T. E. Robbins, Jr., and W. H. Hill. 2,644,580, July 7.
Mineral lubricating oil containing an anticorrosive agent and an antioxidant detergent agent. J. D. Bartleson and M. H. Campbell. 2,655,477, Oct. 13.
Mineral oil. J. J. Wehrle. 2,638,448, May 12.
Mineral oil additive. J. H. Bartlett. 2,656,318, Oct. 20.
Mineral oil additive. J. H. Bartlett and T. Cross, Jr. 2,631,130, Mar. 10.
Mineral oil additive. R. H. Jones. 2,658,062, Nov. 3.
Mineral oil additive. R. H. Jones and L. E. Moody. 2,636,858, Apr. 28.
Mineral oil composition. E. S. Blake. 2,628,939, Feb. 17.
Mineral oil compositions. J. W. Bishop. 2,662,856, Dec. 15.
Mineral oil containing substituted polyolefins. F. W. Banes and S. B. Lippincott. 2,660,563, Nov. 24.
Mineral oil lubricating composition containing a copolymer of an alkyl ester of itaconic acid and an alkyl acrylate or methacrylate. T. S. Tutwiler. 2,637,698, May 5.
Mineral oil treating system. J. E. Klueger. 2,631,969, Mar. 17.
Mineral wool, Method and apparatus for production of. C. W. Hawthorne, Jr. 2,626,424, Jan. 27.
Mingler. J. Hertrich. 2,654,364, Oct. 6.
Miniature bowling alley. J. C. Koci. 2,643,884, June 30.
Miniature or toy railroad track. H. L. Joyce. 2,637,501, May 5.
Miniature packet, Making a. L. Adler. 2,653,120, Sept. 22.
Miniature railway track, Incline. C. B. Esch. 2,633,301, Mar. 31.
Miniature tube holder. L. F. Millett. 2,653,181, Sept. 22.
Minnow box. T. P. Butler. 2,639,906, May 26.
Mirror, Adjustable antiglare rearvision. P. Bertell and G. A. Weingartner. 2,645,158, July 14.
Mirror, Adjustable rearview. K. E. Persson. 2,632,363, Mar. 24.
Mirror, Adjustable rearview. M. C. Peterson. 2,626,539, Jan. 27.
Mirror and direction indicator for vehicles, Combined. L. A. Ross. 2,629,087, Feb. 17.
Mirror and flashlight, Combined. C. R. Bowland. 2,645,706, July 14.
Mirror and light beam wheel checking apparatus and method of correcting for run-out in employing same. M. L. Vandermeer. 2,641,957, June 16.
Mirror and thermometer for motor vehicles, Combined rearview. M. C. Vacanti and C. Granata. 2,638,785, May 19.
Mirror apparatus, Rearview. D. E. Reed. 2,643,084, June 23.
Mirror apparatus, Rearview. D. E. Reed. 2,644,658, July 7.
Mirror, Bracelet. B. W. Bartkowski. 2,627,785, Feb. 10.
Mirror construction, Rearview. C. E. Morley. 2,652,648, Sept. 22.
Mirror, Dental mouth. H. L. Clark. 2,627,206, Feb. 3.
Mirror device, Electrically controlled tiltable reflecting. W. D. Macgeorge and C. E. Roessler, Jr. 2,638,035, May 12.
Mirror device, Prismatic antiglare rearview. D. W. Barkley. 2,631,498, Mar. 17.
Mirror device, Traffic. G. A. Couture. 2,662,448, Dec. 15.
Mirror for automobiles, Rearview. D. Younglove. 2,663,224, Dec. 22.
Mirror for continuous towel cabinets, Tilting. E. L. Mathews. 2,636,417, Apr. 28.
Mirror for motor vehicles, Rearview. A. P. Capitani. 2,644,363, July 7.
Mirror having a repolishable light transmitting plastic cover disk, Dental. T. F. Goldmann. 2,659,272, Nov. 17.
Mirror, Illuminated. G. M. Montgomery. 2,640,909, June 2.
Mirror means, Rearview. C. D. Blan. 2,663,225, Dec. 22.
Mirror mount. J. H. Eagle. 2,625,359, Jan. 13.
Mirror mounting structure of the universal type, Rearvision. F. Budreck. 2,648,556, Aug. 11.
Mirror, Mouth. G. C. Dreher. 2,625,858, Jan. 20.
Mirror, Rearview. C. G. Kerr. 2,636,419, Apr. 28.
Mirror, Rearview. J. G. Lenta. 2,649,028, Aug. 18.
Mirror, Rear-vision. T. L. Beach, Jr. 2,642,244, June 16.
Mirror, Rear-vision. P. Bertell and L. C. Meade. 2,640,394, June 2.
Mirror, Remotely adjustable rearview. R. L. Higgins. 2,664,029, Dec. 29.
Mirror structure, Rearview. F. Budreck. 2,648,256, Aug. 11.
Mirror support. L. G. McDevitt. 2,643,847, June 30.
Mirror support for tractors, Rear vision. P. Leonard. 2,636,418, Apr. 28.
Missal stand. L. R. Le Tang. 2,639,541, May 26.
Missile, Aerial. L. S. Billman. 2,644,396, July 7.
Missile launcher, Centrifugal hand. H. B. Grow. 2,638,708, May 19.
Mist blower. G. E. Tirrell. 2,661,239, Dec. 1.
Mist filter. D. L. Hopper and H. E. Criner. 2,630,878, Mar. 10.
Miter box for portable power saws. C. L. Thayer. 2,656,860, Oct. 27.
Miter box for power-driven hand saws, Portable. H. A. Neuenschwander. 2,633,162, Mar. 31.
Miticidal dihydrazide composition. J. Shore. 2,663,664, Dec. 22.
Mitt, Baseball. H. B. Latina. 2,625,686, Jan. 20.
Mitt for detachable cleaning pads. D. F. Dyer and H. A. Coe. 2,651,071, Sept. 8.
Mitten. J. E. Langford. 2,656,544, Oct. 27.
Mitten, Safety. W. E. Probert. 2,645,778, July 21.
Mixed acetals of 2-propyn-1-ol. R. F. Kleinschmidt. 2,641,615, June 9.
Mixed acid anhydrides and production of same. R. R. Whetstone. 2,648,696, Aug. 11.
Mixed anhydrides between carboxylic and substituted arsenous acids. J. R. Vaughan, Jr. 2,659,745, Nov. 17.
Mixed anhydrides of phosphite esters and preparing the same. R. W. Young. 2,659,747, Nov. 17.
Mixed aromatic-alphatic ethers, Preparation of. R. E. Plump. 2,659,753, Nov. 17.
Mixed diaryl esters of ortho-phosphoric acid, Producing. H. R. Gamrath. 2,656,373, Oct. 20.
Mixed indicator composition. J. V. Corso and R. C. Ulmer. 2,663,692, Dec. 22.

Mixed lower trialkanolamines. M. E. Huscher, M. W. Long, Jr., and J. C. Moore. 2,649,483, Aug. 18.
Mixer: *See*—
Amalgamator mixer.
Cement mixer.
Concrete mixer.
Electromagnetic type of mixer.
Food mixer.
Hybrid wave guide mixer.
Magnetic mixer.
Manipulative mixer.
Motorized drink mixer.
Mud and chemical mixer.
Pin mixer.
Rubber foam mixer.
Single motor transit concrete mixer.
Ultrahigh-frequency mixer.
Mixer. T. J. Laird. 2,628,081, Feb. 10.
Mixer. A. J. McMaster, W. H. Kitto, and K. Burian. 2,639,904, May 26.
Mixer and dispenser, Carbonated drink. H. H. Lewis. 2,633,150, Mar. 31.
Mixer and grinder, Feed. J. J. Byberg. 2,641,412, June 9.
Mixing and kneading machine. R. Möller. 2,640,688, June 2.
Mixer and processor for home use and the like. J. L. Murray. 2,655,354, Oct. 13.
Mixer apparatus. F. W. Dreyfus. 2,635,859, Apr. 21.
Mixer closure. C. Gerst. 2,639,128, May 19.
Mixer for gas burners. L. G. M. Le Renard. 2,655,992, Oct. 20.
Mixer for gas burners, Sheet metal. F. C. Neuls. 2,655,210, Oct. 13.
Mixer for use in conjunction with a carburetor, Fuel and air. M. Lefebre. 2,639,230, May 19.
Mixer for use in jetting apparatus. T. L. Katovsich. 2,661,194, Dec. 1.
Mixer unit, Power. F. C. Schwaneke. 2,663,552, Dec. 22.
Mixer with hook attachment, Dough. E. Hooper. 2,650,806, Sept. 1.
Mixing and diffusing device. A. H. Lange. 2,658,440, Nov. 10.
Mixing and dispensing device. D. Murphy. 2,625,430, Jan. 13.
Mixing and dispensing a luminescent coating composition. J. J. O'Callaghan. 2,650,199, Aug. 25.
Mixing and dispensing valve. A. B. Segal. 2,645,246, July 14.
Mixing and feeding chlorine gas, Means for. R. B. Everson. 2,637,690, May 5.
Mixing apparatus. R. D. Boutros, J. V. Donohoe, and M. Dykman. 2,637,538, May 5.
Mixing apparatus. W. D. Jones. 2,630,302, Mar. 3.
Mixing apparatus, Pump-operated portable. W. E. Rupp. 2,634,110, Apr. 7.
Mixing attachment for water faucets. W. D. Williams and H. L. Binley. 2,625,176, Jan. 13.
Mixing chamber. H. Kent. 2,627,977, Feb. 10.
Mixing combustible gases, Method of and apparatus for. E. X. Schmidt. 2,637,638, May 5.
Mixing concrete by gravitational vibration. H. Waldvogel. 2,646,975, July 28.
Mixing device. O. H. Lind. 2,651,510, Sept. 8.
Mixing device. H. E. Serner. 2,626,135, Jan. 20.
Mixing device, Centrifugal. I. McLeod. 2,635,860, Apr. 21.
Mixing device for frozen confections. C. Reed. 2,626,132, Jan. 20.
Mixing device, Gas and liquid. E. P. Aghnides. 2,633,343, Mar. 31.
Mixing machine. E. Zahn. 2,638,252, May 12.
Mixing machine discharge door. A. C. Christensen. 2,641,387, June 9.
Mixing machine, Kitchen. J. F. R. Karlstrom. 2,645,465, July 14.
Mixing materials, Method of and apparatus for. A. N. Gray. 2,628,204, Feb. 10.
Mixing textile fibers, Method and device for. H. Schweizer. 2,662,250, Dec. 15.
Mixing two liquids under different pressures, Means for. E. Klosse. 2,633,859, Apr. 7.
Mixing valve. H. Barnett. 2,650,604, Sept. 1.
Mixing valve. M. L. Edwards. 2,655,316, Oct. 13.
Mixing valve. B. C. Heinz, Sr. 2,631,003, Mar. 10.
Mixing valve. F. A. Johansson. 2,646,821, July 28.
Mixing valve. W. V. Jordan. 2,625,331, Jan. 13.
Mixing valve. D. W. Keller and V. E. Rimsha. 2,647,692, Aug. 4.
Mixing valve. H. E. Klingler. 2,647,537, Aug. 4.
Mixing valve. J. Marco. 2,650,792, Sept. 1.
Mixing valve. L. Spencer. 2,653,628, Sept. 29.
Mixing valve. C. G. Wall. 2,647,529, Aug. 4.
Mixture of polychloroprene, vinyl chloride-acrylonitrile copolymer, and butadiene-acrylonitrile copolymer. R. J. Signer and K. F. Beal. 2,658,051, Nov. 3.
Mixture of polychloroprene, vinyl chloride polymer, and butadiene-acrylonitrile copolymer. R. J. Signer and K. F. Beal. 2,658,050, Nov. 3.
Mixture of polychloroprene, vinyl chloride-vinylidene chloride copolymer, and butadiene-acrylonitrile copolymer. R. J. Signer and K. F. Beal. 2,658,053, Nov. 3.
Mixture of polyvinylidene chloride, vinyl chloride polymer, and butadiene-acrylonitrile copolymer. R. J. Signer and K. F. Beal. 2,658,052, Nov. 3.
Mixtures comprising acrylonitrile polymers and resinous polyamines containing amide groups. J. R. Caldwell. 2,632,748, Mar. 24.
Mixtures comprising acrylonitrile polymers and vinyl acetate-fumaric amide interpolymers. J. R. Caldwell. 2,652,378, Sept. 15.
Mixtures of carbon monoxide and hydrogen, Production of. M. C. K. Jones. 2,640,034, May 26.
Mixtures of orthophosphates. R. Ernst and G. D. Loeff. 2,656,372, Oct. 20.
Mixtures of oxyalkylated alkyl phenol-aldehyde resins. M. De Groote. 2,626,942, Jan. 27.
Mixtures of plasticized vinyl resin and thermoset phenol-aldehyde resin and making the same. S. E. Berger and K. M. Webb. 2,659,708, Nov. 17.
Mixtures of rubbery butadiene styrene copolymer with hard resinous saturated copolymer of styrene and another unsaturated compound, Preparation of. S. A. Harrison and W. E. Brown. 2,643,987, June 30.
Mobile apparatus for working on roadways or the like. H. B. Keogh. 2,655,678, Oct. 20.
Mobile carriage for tripod gun mounts. S. G. Green, W. H. D'Ardenne, W. J. Meinel, and W. Devore. 2,627,209, Feb. 3.
Mobile movement equalizer. D. B. Silverman. 2,635,898, Apr. 21.
Mobile support. M. G. Bekker. 2,652,290, Sept. 15.
Moccasin. K. A. Stritter. 2,645,042, July 14.
Moccasin and means for drawing same around the foot. T. Kashian. 2,627,677, Feb. 10.
Moccasin, Welted. E. T. Taylor. 2,656,620, Oct. 27.
Mode filter. W. M. Preston. 2,632,806, Mar. 24.
Mode filtered cutoff attenuator. A. E. Laemmel. 2,659,870, Nov. 17.
Mode suppressor for external cavity klystron oscillators. H. A. Finke and A. H. Sonnenschein. 2,644,889, July 7.
Model airplane, vehicle or boat and motor therefor, Reaction-propelled. C. M. Wilmot and J. N. Mansour. 2,637,162, May 5.
Model airplane wheel. A. B. Maxam. 2,634,168, Apr. 7.
Model helicopter, Remote-controlled. R. L. Baker. 2,638,707, May 19.
Model vehicle and guide rail therefor. H. C. Balgent. 2,642,815, June 23.
Modification of lard. D. Nelson and K. F. Mattil. 2,625,487, Jan. 13.
Modified and unmodified acrylonitrile copolymer compositions and preparing the same. E. L. Kropa and A. S. Nyquist. 2,624,722, Jan. 6.
Modified barium titanate ceramic materials. E. Wainer. 2,646,359, July 21.
Modified ceramic enamel. A. J. Deyrup. 2,653,877, Sept. 29.
Modified copolymers and preparation and uses thereof. W. C. Hollyday, Jr., and M. H. Mahan. 2,658,872, Nov. 10.
Modified drilling fluids. R. G. Fordyce and M. Baer. 2,650,905, Sept. 1.
Modified lard and producing same. K. F. Mattil and F. A. Norris. 2,625,478, Jan. 13.
Modified locust bean gum, solutions thereof, and making a locust bean gum solution. N. Frisch and F. J. Sweeney. 2,644,762–5, July 7.
Modified methylol melamines and making and using same. D. M. Gagarine, W. B. Smith, Jr., and M. J. Spangler. 2,662,872, Dec. 15.
Modified paper and its manufacture. S. L. Cluett. 2,624,245, Jan. 6.
Modified polyvinyl acetal compositions. F. T. Buckley. 2,628,950, Feb. 17.
Modified soybean lecithin. E. P. Jones and J. C. Cowan. 2,636,889, Apr. 28.
Modified starch-urea-formaldehyde water resistant adhesive. E. E. Moore. 2,629,699, Feb. 24.
Modified traveling wave tube. J. E. Gorham. 2,636,148, Apr. 21.
Modified up-draft type of heaters. M. W. Barnes. 2,625,916, Jan. 20.
Modifiers for synthetic resin molding compositions and producing the same. T. J. Suen and A. M. Schiller. 2,637,713, May 5.
Modulated pulse remote control. T. M. Manley and R. P. Cherpeski. 2,643,369, June 23.
Modulating gas burner. V. S. Beck. 2,626,105, Jan. 20.
Modulating gas control. R. C. Frost. 2,646,932, July 28.
Modulating pulsator. R. L. Cockman. 2,653,196, Sept. 22.
Modulating relay, Pneumatic. H. L. Bowditch. 2,652,066, Sept. 15.
Modulation by magnetic control of super conductors. E. A. Ericsson, A. O. Jörgensen, and S. L. Överby. 2,659,868, Nov. 17.
Modulation circuit. H. B. Foster and J. R. Parker. 2,651,758, Sept. 8.
Modulation detector, Angular velocity. P. R. Joseph. 2,634,367, Apr. 7.
Modulation system for cathode-ray oscilloscopes. L. R. Philpott. 2,648,798, Aug. 11.
Moistening apparatus, Cotton picker spindle. J. D. Rust. 2,637,156, May 5.

Moistening device for cotton harvesters. A. G. Skaggs. 2,650,462, Sept. 1.
Moistening device, Tape. P. W. Herrlinger. 2,646,020, July 21.
Moistening means for planographic printing machines. A. Southway. 2,654,314, Oct. 6.
Moistening mechanism for rotary duplicating machines. H. P. Kell. 2,659,304, Nov. 17.
Moisture collector for flush tanks. S. H. Butow. 2,626,403, Jan. 27.
Moisture condensation determining apparatus. E. Durham. 2,636,927, Apr. 28.
Moisture content recorder for gases under pressure. W. M. Deaton. 2,629,253, Feb. 24.
Moisture impervious absorbent sheet for covering work surfaces in chemical laboratories and the like. A. Heikin. 2,654,684, Oct. 6.
Moisture meter. J. A. Tuck. 2,654,864, Oct. 6.
Moistureproof bag. C. V. Brady and A. F. Ottinger. 2,631,630, Mar. 17.
Moistureproof container. N. I. Paulsen. 2,658,662, Nov. 10.
Moistureproof paper lamination, Producing a flat. R. H. Savage. 2,636,838, Apr. 28.
Moistureproofing of nonfibrous cellulosic material. W. O. Brillhart. 2,650,172, Aug. 25.
Moisture resistant compositions of resins and fibrous fillers. C. R. Faelten. 2,627,297, Feb. 3.
Moisture resistant friction elements and producing same. E. M. Daley. 2,635,954, Apr. 21.
Moistener, Spindle. J. D. Rust. 2,660,850, Dec. 1.
Moisture testing apparatus. O. J. Morelock. 2,654,054, Sept. 29.
Mold: *See*—
Glasa forming mold.
Ingot mold.
Multiple gutter mold.
Portable mold.
Refrigerator ice mold.
Superimposed multiple cavity mold.
Tire mold.
Wall block mold.
Mold. H. N. Huse. 2,633,603, Apr. 7.
Mold and core-making machine. J. R. Row. 2,624,084, Jan. 6.
Mold and core, Centrifugal. R. J. Miller. 2,663,059, Dec. 22.
Mold and method for forming the bell of a bell-ended pipe. H. F. Kennison. 2,644,218, July 7.
Mold binders, Sand. R. R. Cook and A. C. Hatch. 2,657,974, Nov. 3.
Moldboard adjustment for V-type ditching machines. C. H. Brown. 2,648,919, Aug. 18.
Mold cleaning machine, Automatic. E. Y. Sharlip and A. P. Dunbrack. 2,654,911, Oct. 13.
Mold construction, Retread. E. W. Hawkinson. 2,662,244–5, Dec. 15.
Mold disk driving mechanism for typographical casting machines. P. Hilpman. 2,638,792, May 19.
Mold for casting concrete fence posts, Expansible. J. C. Wollard and A. H. Sexton. 2,662,262, Dec. 15.
Mold for casting monolithic spherical tanks. A. R. Anderson. 2,632,226, Mar. 24.
Mold for concrete step structures, Hinged. F. Kogl. 2,633,620, Apr. 7.
Mold for foamed latex. J. T. Marvin. 2,642,624, June 23.
Mold for forming statues with spaced legs, Flexible. J. H. Miller. 2,660,776, Dec. 1.
Mold for framing lenses in a plastic mounting. H. G. Fay. 2,655,692, Oct. 20.
Mold for frozen confections. J. B. Myers. 2,633,812, Apr. 7.
Mold for glass sheets or plates, Bending. W. P. Bamford and J. E. Jendrisak. 2,633,673, Apr. 7.
Mold for head wall construction. W. E. Mitchell. 2,650,411, Sept. 1.
Mold for making concrete steps. A. Como. 2,652,614, Sept. 22.
Mold for retreading pneumatic tire casings. R. P. Hawkinson. 2,651,078, Sept. 8.
Mold form. W. E. Mitchell. 2,650,410. Sept. 1.
Mold-forming machine. E. I. Valyi. 2,659,944, Nov. 24.
Mold forming machine. E. I. Valyi. 2,659,945, Nov. 24.
Mold liner for type casting machines. J. Barnes. 2,626,044, Jan. 20.
Mold making composition. F. W. Less, E. C. Roeck, and J. C. Searer. 2,662,067, Dec. 8.
Mold making machine. H. E. Fellows. 2,651,087, Sept. 8.
Mold parting surface and application. R. M. Barth. 2,630,213, May 19.
Mold structure. L. H. Lockwood. 2,625,710, Jan. 20.
Mold structure for dielectric heating. G. E. Gard. 2,663,790, Dec. 22.
Mold supporting device. R. P. Davis. 2,651,822, Sept. 15.
Mold temperature control apparatus. H. A. Meyrick and W. E. Ellsworth. 2,632,088, Mar. 17.
Mold turret for cigar machines. J. A. Neumair. 2,633,135, Mar. 31.
Mold unit. C. H. Miller. 2,632,225, Mar. 24.
Moldable compositions comprising an unsaturated alkyd and kaolin coated with a heterocyclic amine-formaldehyde resin, Production of. D. E. Cordier. 2,642,409, June 16.
Moldable compounds for making jigs. R. D. Wasserman. 2,656,281, Oct. 20.
Moldable material comprising asbestos and a cohydrolyzate of phenyl silicon trihalide and ethyl silicon trihalide. A. Hirsch. 2,658,881, Nov. 10.
Molded alumina carrier and catalyst, Production of. W. F. Engel and P. Krijger. 2,662,860, Dec. 15.
Molded articles comprising a furfuryl alcohol resin and a mixture of fillers of different mesh sizes. C. G. Harford. 2,653,920, Sept. 20.
Molded casing for electrical apparatus. T. M. Cole and P. M. Christensen. 2,645,693, July 14.
Molded commutator. C. A. Herbst. 2,658,159, Nov. 3.
Molded decorative steering wheel. F. W. Sampson. 2,657,589, Nov. 3.
Molded decoy. A. H. Risch and A. J. Nelson. 2,651,873, Sept. 15.
Molded fibre article. M. P. Chaplin. 2,629,533, Feb. 24.
Molded-in shunt electrical contact member. H. N. Veley. 2,654,038, Sept. 29.
Molded plastic spool and drive. E. H. Parsons. 2,654,542, Oct. 6.
Molded pulp article. W. J. Schwertfeger. 2,634,039, Apr. 7.
Molded pulp carton press. A. E. Comstock. 2,640,401–2, June 2.
Molded resinous products, Making. M. Brucker. 2,633,605, Apr. 7.
Molded structure. C. C. Misfeldt. 2,639,876, May 26.
Molder's sand treating and conveying apparatus. P. S. Hardy. 2,646,602, July 28.
Molders station sand screen. R. L. McIlvaine. 2,626,053, Jan. 20.
Molding. D. Glazer. 2,638,632, May 19.
Molding. E. C. Quear, W. C. Shaw, and J. R. Edwards. 2,647,283, Aug. 4.
Molding and casting apparatus. H. L. Romine. 2,631,342, Mar. 17.
Molding apparatus. R. J. Hines and A. C. Hintz. 2,641,033, June 9.
Molding apparatus. T. N. Willcox, M. E. Gale, and K. R. Stadthaus. 2,629,132, Feb. 24.
Molding apparatus, Ejection. H. P. Hoopes. 2,653,370, Sept. 29.
Molding apparatus for rapid cycle molding of thermoplastic material. N. L. Mahla. 2,632,207, Mar. 24.
Molding apparatus for shaping fluid distensible bags for actuation of clutches and brakes. T. L. Fawick. 2,625,711, Jan. 20.
Molding apparatus having a forming device and a spring-actuated flexible permeable structure, Pulp. G. Pierson. 2,636,422, Apr. 28.
Molding apparatus, Injection. C. H. Cuppett and J. Taylor. 2,658,237, Nov. 10.
Molding, baking, depanning, and delivering means for loaves. S. Liston. 2,652,791, Sept. 22.
Molding cementitious bodies, Method and apparatus for. H. X. Eschenbrenner. 2,655,708, Oct. 20.
Molding clip. O. J. Poupitch. 2,632,929, Mar. 31.
Molding compositions, Plastic. D. A. de Tartas. 2,636,869, Apr. 28.
Molding compositions, Plastics. G. P. Humfeld. 2,636,867, Apr. 28.
Molding concrete, Method and apparatus for. K. P. Billner. 2,628,402, Feb. 17.
Molding concrete products. C. C. Dubbs. 2,650,412, Sept. 1.
Molding concrete products, Process and apparatus for. C. C. Dubbs. 2,650,409, Sept. 1.
Molding concrete structures. K. P. Billner. 2,624,931, Jan. 13.
Molding core and reusable knockdown arbor therefor. H. V. Hites. 2,655,701, Oct. 20.
Molding cushion. V. T. Paré. 2,627,628, Feb. 10.
Molding heel lifts, Method and apparatus for. A. A. Rizzo. 2,658,238, Nov. 10.
Molding for floor coverings, Retainer. S. P. June. 2,644,977, July 14.
Molding machine. B. Faure. 2,659,946, Nov. 24.
Molding machine. T. L. Hallenbeck. 2,627,086, Feb. 3.
Molding machine. E. P. Moslo. 2,649,621, Aug. 25.
Molding machine. J. A. Perkon. 2,636,233, Apr. 28.
Molding machine and molding. H. A. Van Loon. 2,663,063, Dec. 22.
Molding machine and process, Pulp. W. H. Randall. 2,628,540, Feb. 17.
Molding machine and variable delivery hydraulic pump therefor, Injection. K. H. Baigent. 2,648,096, Aug. 11.
Molding machine, Block. M. D. Maramonte. 2,648,115, Aug. 11.
Molding machine, Building block. M. R. Warren. 2,652,613, Sept. 22.
Molding machine, Candy. T. L. Peters, A. George, and L. Stidham. 2,652,789, Sept. 22.
Molding machine, Injection. F. S. Farley. 2,627,630, Feb. 10.
Molding machine, Injection. J. Faust. 2,657,429, Nov. 3.
Molding machine, Loaf. M. A. Stickelber. 2,655,876, Oct. 20.
Molding machine, Pie and like. W. H. Elvis. 2,625,892, Jan. 20.
Molding machine, Vibration. E. Mezger. 2,652,606, Sept. 22.
Molding machine, Vibration. E. Mezger. 2,652,608, Sept. 22.

Molding method. E. Sörensen and H. Scharf. 2,645,836, July 21.
Molding method and apparatus. P. A. Williams. 2,652,592, Sept. 22.
Molding O-ring gaskets. G. P. Leistensnider. 2,646,595, July 28.
Molding of resin dispersions. A. A. Root. 2,638,633, May 19.
Molding of resin treated coils. W. M. Trigg. 2,632,211, Mar. 24.
Molding ornamental objects. J. Michaelson and S. R. Fingiass. 2,651,079, Sept. 8.
Molding reinforced hollow concrete walls. D. P. Moore. 2,630,615, Mar. 10.
Molding soles and heels to uppers. A. A. Root. 2,651,118, Sept. 8.
Molding strip, Flexible. F. T. Astrella. 2,634,467, Apr. 14.
Molding structure. P. J. Shaw. 2,630,579, Mar. 10.
Molding synthetic linear polyesters. J. A. Piccard. 2,649,622, Aug. 25.
Molding thermosetting synthetic resin materials. A. C. Barlow, W. G. D. Carpenter, J. B. Cameron, and J. M. Griffith. 2,646,380, July 21.
Molds, Making. R. H. Hugger. 2,629,907, Mar. 3.
Molds, Making. F. Sudia, Jr. 2,652,609, Sept. 22.
Molecular filtration. M. T. Cichelli. 2,650,670, Sept. 1.
Molecularly aligned sheet material. M. P. Rehorn. 2,647,440, Aug. 4.
Molten gelatin solution, Preparing. J. O. Scherer. 2,628,916, Feb. 17.
Molybdenum disulfide containing hydrogenation catalyst. H. L. Johnson and A. P. Stuart. 2,649,419, Aug. 18.
Molybdenum disulfide on a spent cracking catalyst. I. W. Mills and H. L. Johnson. 2,635,081, Apr. 14.
Momentary action actuator. J. B. Lester. 2,648,234, Aug. 11.
Momentary switch. D. M. Bollhoefer. 2,648,728, Aug. 11.
Monitor box unit for bus bar duct systems. H. J. Hammerly. 2,632,786, Mar. 24.
Monitor for horizontal cassette changer, Exposure. Z. L. Collins and F. J. Euler, Jr. 2,640,160, May 26.
Monitor system insensitive to impedance variations. D. K. Gannett. 2,640,094, May 26.
Monitored power output system for resonator cavities. G. P. McCouch. 2,642,472, June 16.
Monitoring gas for radioactive xenon. W. R. Kanne. 2,625,657, Jan. 13.
Monoalkyl aromatic hydrocarbons, Production of. F. M. Smith and R. S. Hanmer. 2,637,750, May 5.
Monoalkyl dinaphthyl phosphate esters. H. R. Gamrath and W. E. Weesner. 2,650,935, Sept. 1.
Mono-alkyl or -aralkyl cyanoacetic acid esters, Preparation of. A. C. Cope. 2,655,526, Oct. 13.
Monoazodyestuff. W. Schleifenbaum. 2,660,576, Nov. 24.
Monoazo dyestuffs. W. Kuster. 2,633,463, Mar. 31.
Monoazo dyestuffs. W. Steinemann. 2,634,263, Apr. 7.
Monoazo dyestuffs of the pyrazolone series. W. Widmer and A. Fasciati. 2,657,203, Oct. 27.
Monobasic salt of a secondary amine, Preparing a. L. P. Kyrides and F. B. Zienty. 2,634,293, Apr. 7.
Monobenzyl ether of diethylstilbestrol. F. C. Schmelkes. 2,658,080, Nov. 3.
Monobromonitromethane, Production of. H. R. Slagh. 2,632,776, Mar. 24.
Monocalcium phosphate leavening composition and producing same. F. E. Hubbard and J. S. Metcalf. 2,631,102, Mar. 10.
Monochromator. M. J. E. Golay. 2,631,489, Mar. 17.
Monochromator. A. Walsh. 2,652,742, Sept. 22.
Monocyclic terpene-sulfur-phosphorus sulfide reaction product and lubricating oil containing the same. A. D. Kirshenbaum and H. W. Rudel. 2,654,711, Oct. 6.
Monoesters of polyhydric alcohol, Producing. J. D. Malkemus. 2,655,522, Oct. 13.
Monoesters of polyhydric alcohols, Production of. N. H. Kuhrt. 2,634,234, Apr. 7.
Monoethers of an araliphatic glycol and their use in the control of pests. F. Haefliger. 2,654,688, Oct. 6.
Monofilament thread and making same. F. J. McCarthy. 2,660,546, Nov. 24.
Monoglycerides, Preparation of. N. H. Kuhrt. 2,634,279, Apr. 7.
Monogram. W. Nussbaum. 2,648,923, Aug. 18.
Monogram bounting for door grilles. L. A. Macklanburg. 2,636,298, Apr. 28.
Monogrammic indicator. J. P. Handley. 2,642,685, June 23.
Monogramming machine. S. H. Meister. 2,624,302, Jan. 6.
Monohydroxythiophene, Preparing. K. L. Kreux and C. D. Hurd. 2,638,474, May 12.
Monoisopropyl amine as an octane improver of leaded gasoline. H. M. Trimble, L. A. McReynolds, and B. Mitacek. 2,653,862, Sept. 29.
Monomethylpiperazines, Preparing. H. Morren. 2,639,284, May 19.
Monomeric glycol terephthalates, Preparing. H. R. Billica. 2,662,093, Dec. 8.
Monomeric open-chain delta, epsilon-unsaturated carbonyl compounds, Preparation of. C. J. Albisetti, Jr. 2,628,252, Feb. 10.
Monomers and polymers of unsaturated thioethers. R. C. Morris and G. W. Conklin. 2,664,414, Dec. 29.
Mono-N-tertiary-alkylmelamines. N. M. Bortnick. 2,628,234, Feb. 10.
Monoquaternary ammonium carbonates and their preparation. J. H. Werntz. 2,635,100, Apr. 14.
Monorailway system. A. Freeman. 2,633,810, Apr. 7.
Monorail system, Overhead. A. F. Anjeskey. 2,642,814, June 23.
Monorail system, Overhead. H. Omsted. 2,630,075, Mar. 3.
Monosulfonated saturated aliphatic dicarboxylic acids, Preparing. E. E. Gilbert and S. L. Giolito. 2,647,925, Aug. 4.
Mop and attached wringer, Floor. G. R. Mallory. 2,632,192, Mar. 24.
Mop and brush, Combination. J. Kalinowski. 2,637,867, May 12.
Mop and extractor therefor. P. S. and T. S. Vosbikian. 2,643,407, June 30.
Mop and shaker rod. J. P. Bem. 2,644,184, July 7.
Mop and squeegee combined. W. J. Zimmerman. 2,640,214, June 2.
Mop and the like, Sponge. I. J. Nicoll. 2,653,341, Sept. 29.
Mop and wringer. K. Weger. 2,632,903, Mar. 31.
Mop assembly. B. E. Dufour. 2,631,324, Mar. 17.
Mop, Collapsible. O. A. Flagstad. 2,648,859, Aug. 18.
Mop, Dish. L. I. Chapman. 2,658,220, Nov. 10.
Mop for cleaning bowling alley beds and gutters, Combined. R. H. Johnson. 2,635,272, Apr. 21.
Mop having a compact head. R. E. Chalfant. 2,632,905, Mar. 31.
Mop having a mop holding and securing bolt. W. A. Ballinger. 2,650,382, Sept. 1.
Mop having hinged backing plates for wringing. J. F. Bagley, Jr. 2,663,039, Dec. 22.
Mop having mechanical squeezing means, Split head. W. E. Berndsen. 2,653,336, Sept. 29.
Mop having sectional head with contrasting cleaning material. S. P., M., and J. Vosbikian. 2,641,787, June 16.
Mophead, Self-adjusting. W. H. and W. F. Richards. 2,663,042, Dec. 22.
Mophead structure and handle mounting, Resilient. F. Wagner. 2,646,588, July 28.
Mop holder. C. Fatland. 2,638,616, May 19.
Mop holder. H. J. Logel. 2,626,415, Jan. 27.
Mop, scrubber, and wringer, Combination. T. T. Bathurst. 2,653,337, Sept. 29.
Mop with detergent supply. L. Weil. 2,644,185, July 7.
Mop with flexible back carrying absorbent material and with hinged cover plate, Flexible. P. S. and T. S. Vosbikian. 2,637,059, May 5.
Mop with suction and squeegee facilities. H. E. Smith, Jr. 2,631,326, Mar. 17.
Mop with two-part hinged backing, Sponge type. E. A. Sjöblom. 2,646,587, July 28.
Mop with wringer means. S. P. Vidal. 2,648,086, Aug. 11.
Mop, Wringer. L. B. Hoffman. 2,651,069, Sept. 8.
Mordanting. A. B. Jennings. 2,635,535, Apr. 21.
Mordanting. O. W. Murray. 2,635,536, Apr. 21.
Morpholine azo dyestuffs. M. Mendoza. 2,653,150, Sept. 22.
Morpholine derivatives. J. Dazzi. 2,644,819, July 7.
Mortar applicator having a flexible dispensing tube. E. N. Floyd. 2,650,743, Sept. 1.
Mortar gun for pointing joints in walls, etc. J. Leach. 2,630,006, Mar. 3.
Mortar strip positioning frame. H. M. Peper and K. H. Tengstedt. 2,642,736, June 23.
Mortar veneer template. C. N. Acker. 2,625,747, Jan. 20.
Mortise chiseling templet. W. D. Smith. 2,645,029, July 14.
Mortising device, Portable router-type. W. H. Gohm, Sr. 2,663,335, Dec. 22.
Mortising jig, Hinge seat. T. H. Brown. 2,663,333, Dec. 22.
Mosaic screen, Preparation of two-sided. G. K. Teal. 2,662,852, Dec. 15.
Mosaic screens for use in television transmitting tubes, Manufacturing. A. Sommer. 2,661,304, Dec. 1.
Mothproofing agent and material containing the same. I. M. Rasmussen and E. F. Rogers. 2,654,677, Oct. 6.
Motion amplifier. V. Guillemin, Jr. 2,656,735, Oct. 27.
Motion check for cutting sheare. H. R. Howell. 2,629,170, Feb. 24.
Motion converter for screw thread comparator. B. W. Swanson. 2,648,137, Aug. 11.
Motion converting means. J. J. Haythornthwaite 2,625,049, Jan. 13.
Motion converting means. G. Pinazza. 2,632,331, Mar 24.
Motion converting mechanism. H. J. La Veille 2,651,206, Sept. 8.
Motion-picture apparatus and method. M. E. Evans 2,661,652. Dec. 8.
Motion-picture film handling apparatus. G. A. Del Val and A. S. Jones. 2,658,954, Nov. 10.
Motion-picture film reel case. E. S. Miller. 2,631,725 Mar. 17.
Motion-picture machine and film feeding mechanism. R. A. Clapp. 2,649,836, Aug. 25.

Motion-picture machine shutter adjustment. W. Borberg. 2,630,738, Mar. 10.
Motion-picture magazine. J. W. Kaylor. 2,633,305, Mar. 31.
Motion-picture projector cabinet. L. L. Thomas. 2,651,967, Sept. 15.
Motion-picture reel end indicator. C. W. Hatke. 2,624,306, Jan. 6.
Motion-picture viewer. F. T. Coffey, Sr. 2,628,526, Feb. 17.
Motion ratio changer. T. A. Feeney. 2,652,994, Sept. 22.
Motion translating device. L. W. Burch. 2,630,504, Mar. 3.
Motion transmitting connection. G. F. Karow. 2,648,581, Aug. 11.
Motional correlation in reduced band width television. R. E. Graham. 2,652,449, Sept. 15.
Motor: *See*—
Adjustable speed induction motor.
Constant speed direct current motor.
Direct-current electric motor.
Double-acting circular reciprocating electromagnetic motor.
Double speed motor.
Dual voltage alternating current motor.
Electric motor.
Electric pulse operator motor.
Electromagnetic straight-line motor.
Elastomer supported vibratory feeder motor.
Enclosed clutch-brake motor.
Explosion-resistant motor.
Fluid motor.
Fluid pressure motor.
Hand-operated motor.
Hydraulic motor.
Hydraulic windshield wiper motor.
Instantaneous reversing motor.
Instantly reversible motor.
Instantly reversing motor.
Linear motion magnetic motor.
Low inertia type drag cup motor.
Magnetic motor.
Manually operated outboard motor.
Multicylinder motor.
Multiple position fluid pressure motor.
Oscillating electric motor.
Oscillatory motor.
Pulsating-current motor.
Reciprocating electromagnetic motor.
Reso-jet motor.
Reversible fluid motor.
Rotary ram jet propelled motor.
Simulated motor.
Single phase capacitor motor.
Snap-acting fluid motor.
Special purpose electric motor.
Step-by-step electric motor.
Stepping motor.
Suction motor.
Time keeping device motor.
Vane type fluid motor.
Vane type hydraulic motor.
Variable speed alternating current motor.
Variable - speed induction motor.
Vibratory electrical motor.
Windshield wiper motor.
Motor. W. A. Humphrey. 2,637,826, May 5.
Motor and belt drive for tilt arbor saws. W. G. Copp. 2,625,966, Jan. 20.
Motor and clutch, Combined. J. A. Mason and R. C. Kraeplin. 2,659,830, Nov. 17.
Motor and combined telescopic guide and housing therefor, Pressure fluid. R. O. Bill. 2,635,583, Apr. 21.
Motor and commutating means therefor, Electronic. E. F. W. Alexanderson and S. P. Nixdorff. 2,644,916, July 7.
Motor and control mechanism therefor, Reversible. C. C. Moler. 2,661,450, Dec. 1.
Motor and control valve, Hydraulic. W. L. Parker. 2,631,571, Mar. 17.
Motor and drive transmission arrangement between axially aligned vehicle driving wheels. A. C. Peterson. 2,653,673, Sept. 29.
Motor and mechanism driven thereby, Vibratory electric. T. F. Carmichael. 2,634,559, Apr. 14.
Motor and motor control means, Electric. S. Noodleman. 2,650,336, Aug. 25.
Motor and operating of the same, Variable reluctance tuned circuit alternating current. C. W. Hewlett, Jr. 2,630,540, Mar. 3.
Motor and pump, Pressure differential. R. J. Minshall and E. A. Rockwell. 2,636,701, Apr. 28.
Motor and stabilizing means therefor, Electric. E. F. W. Alexanderson and S. P. Nixdorff. 2,640,179, May 26.
Motor and tool driven thereby, Vibratory electric. T. F. Carmichael. 2,632,121, Mar. 17.
Motor and transmission compartment for washing machines. E. F. Rauscher. 2,641,426, June 9.
Motor armature, Electric. R. H. Smith. 2,630,463, Mar. 3.
Motorboat. T. R. Boles. 2,646,765, July 28.
Motor bracket. R. E. Johnson. 2,662,497, Dec. 15.
Motor brake-coupling assembly, Electric. R. L. Anderson. 2,628,321, Feb. 10.
Motor comprising relatively extensible and contractible piston and cylinder elements, Fluid pressure. H. B. Caldwell and K. G. Hancock. 2,649,842, Aug. 25.
Motor construction, Single bearing. M. E. Lautner. 2,659,831, Nov. 17.
Motor construction, Submergible. E. J. Schaefer. 2,654,848, Oct. 6.
Motor control. J. L. Drnek. 2,654,859, Oct. 6.
Motor control. S. Noodleman. 2,627,059, Jan. 27.
Motor control. R. C. Strauss. 2,642,166, June 16.
Motor control apparatus, Automatic cam cutting. F. W. Cunningham. 2,659,849, Nov. 17.
Motor control apparatus, Electronic. R. F. Wild. 2,633,558, Mar. 31.
Motor control by electric brake, Induction. E. Pell. 2,636,157, Apr. 21.
Motor control circuit. W. J. Brown. 2,640,959, June 2.
Motor control circuit. R. T. Nakasone. 2,664,531, Dec. 29.
Motor control device. F. C. Moebius. 2,640,873, June 2.
Motor control device, Pressure-starting. K. D. Burrell and R. C. Latson. 2,649,552, Aug. 18.
Motor control, Direct current. O. L. Dupy. 2,635,218, Apr. 14.
Motor control, Direct current. O. L. Dupy. 2,635,220, Apr. 14.
Motor control, Electric. N. B. Nichols and J. P. Aloisio. 2,652,525, Sept. 15.
Motor control, Fluid. E. E. Littlefield. 2,657,673, Nov. 3.
Motor control for centrifuges. C. F. Dinley. 2,648,806, Aug. 11.
Motor control for shaft positioning systems, Electric. R. F. Witters. 2,662,998, Dec. 15.
Motor control mechanism for concrete mixer power plants. J. W. Lendved and E. A. C. Eickstaedt. 2,645,947, July 21.
Motor control, Outboard. T. and T. Davison. 2,651,278, Sept. 8.
Motor control system. E. Frisch and W. T. Hunt, Jr. 2,631,262, Mar. 10.
Motor control system. R. E. Graham. 2,636,149, Apr. 21.
Motor control system. W. R. Harris, R. W. Moore, and W. Schaelchlin. 2,637,006, Apr. 28.
Motor control system. E. L. Harder, R. I. Greenwood, R. W. Moore and L. F. Stringer. 2,626,376, Jan. 20.
Motor control system. J. W. Hursh. 2,630,555, Mar. 3.
Motor control system. G. D. Sheckels. 2,625,673, Jan. 13.
Motor control system. R. B. Taylor. 2,646,540, July 21.
Motor control system and the like. W. E. Phillips and R. H. Huddlestone Jr. 2,659,850, Nov. 17.
Motor control system, Electric. A. E. R. Arnot. 2,646,539, July 21.
Motor control system, Electric. I. W. Lichtenfels. 2,663,836, Dec. 22.
Motor control system, Electric. F. W. Meredith. Re. 23,664, June 2.
Motor control system, Electronic. L. H. Dee. 2,656,500, Oct. 20.
Motor control system, Electronic. W. H. Elliot. 2,641,735, June 9.
Motor control system for regulating tension. E. W. Hutton and R. C. Locke. 2,627,592, Feb. 3.
Motor control system, Liquid level. D. Labino and V. G. Politsch. 2,645,749, July 14.
Motor control system responsive to fluid pressure signal, Electric. A. J. Hornfeck. 2,651,011, Sept. 1.
Motor control system, Reversible. E. Schneider, 2,648,040, Aug. 4.
Motor control system, Variable voltage. J. E. Jones. 2,628,336, Feb. 10.
Motor control, Traveling crane. K. S. Kuka. 2,630,554, Mar. 3.
Motor cradle. R. L. Needham. 2,661,172, Dec. 1.
Motor crane underframe. W. M. Sheehan. 2,653,829, Sept. 29.
Motor-cultivator with trailing implement and operator seat. M. de Jouette. 2,659,287, Nov. 17.
Motorcycle lock. L. E. Hinds. 2,625,813, Jan. 20.
Motor device, Electric impulse. M. Morrison. 2,659,853, Nov. 17.
Motor device for hydraulic brakes, Actuator. C. R. Myers, L. F. Dasse, and J. Bassett. 2,637,976, May 12.
Motor drive mounting bearing bracket. N. S. Beebe and J. D. Stanard. 2,630,355, Mar. 3.
Motor drive system, Constant speed. J. H. Trevitt. 2,659,852, Nov. 17.
Motor drive system for motion-picture equipment. J. L. Pettus. 2,657,870, Nov. 3.
Motor-driven compressor unit. M. Drewes, Jr. 2,629,539, Feb. 24.
Motor-driven rotary pump. I. N. Meline. 2,629,330, Feb. 24.
Motor-driven stock feed. F. H. Bogart. 2,627,648, Feb. 10.
Motor-driven unit, Electric. P. V. Harmon. 2,648,790, Aug. 11.
Motor dropper. G. E. Hansche. 2,655,105, Oct. 13.
Motor for control valves and the like, Diaphragm. R. E. Taylor, Jr. 2,630,140, Mar. 3.
Motor for dental units, Patient controlled electric. M. F. Grögl and A. Roe. 2,648,043, Aug. 4.
Motor for driving rotary tools, Fluid. G. P. Wagner. 2,646,962, July 28.
Motor for dry shavers, Rotary fluid. L. C. Merriman. 2,638,310, May 12.
Motor for highway crossing signals, Oscillating. A. F. Meuler. 2,658,156, Nov. 3.
Motor for molding presses, Compound hydraulic. J. Haller. 2,651,180, Sept. 8.
Motor for phonograph turntables, Plural speed changer. A. F. Deming. 2,628,504, Feb. 17.

Motor for sewing machines, Electric. A. R. Younger. 2,624,856, Jan. 6.
Motor for shavers and the like, Electric. I. Jepson. 2,662,194, Dec. 8.
Motor for unit ventilators, Pneumatic. R. P. Roetter. 2,655,180, Oct. 13.
Motor frame having coolant system incorporated therein, Electric. R. R. Hayes. 2,627,582, Feb. 3.
Motor fuel. H. J. Andress, Jr., and F. L. Nelson. 2,654,697, Oct. 6.
Motor fuel, Preparation of improved. D. E. Burney and B. H. Shoemaker. 2,628,981, Feb. 17.
Motor fuel selector assembly. E. L. Haynie. 2,647,566, Aug. 4.
Motor fuels from petroleum oils, Production of. J. Weikart. 2,641,573, June 9.
Motor having hydraulically operated valve. O. H. Ludeman. 2,660,986, Dec. 1.
Motor having piston actuated pilot valve, Fluid. E. L. Potts. 2,642,045, June 16.
Motor material handling device, Dual. C. S. Weyandt. 2,658,609, Nov. 10.
Motor mount. E. T. Pedranti. 2,633,817, Apr. 7.
Motor mount. W. Rivers. 2,643,837, June 30.
Motor mount and seal for suction cleaners. R. E. Sheahan. 2,656,097, Oct. 20.
Motor mount for power tools. M. L. Pinkston. 2,631,800, Mar. 17.
Motor mounting. T. H. Peirce. 2,642,240, June 16.
Motor mounting for damping torsional vibration, Outboard. F. T. Irgens. 2,644,420, July 7.
Motor mounting for machine tools, Universal. H. D. Herder and W. L. Van Dam. 2,628,047, Feb. 10.
Motor mounting for vertically adjusted saws, Self-adjusting. E. J. Hitchcock. 2,661,777, Dec. 8.
Motorcycle frame, spring suspension, and shock absorbing mechanism therefor. P. Landrum. 2,636,567, Apr. 28.
Motor of the capacitor type, Induction. A. J. Lewus. 2,646,537-8, July 21.
Motor of the metadyne type, Electric. J. M. Pestarini. 2,642,556, June 16.
Motor of the metadyne type, Electric. J. M. Pestarini. 2,662,999, Dec. 15.
Motor operated cutter. J. C. Brooks and R. T. Gardner. 2,648,904, Aug. 18.
Motor operated sectional sliding door. J. P. Reinhardt. 2,651,360, Sept. 8.
Motor or pump, Fluid. L. R. Bergen. 2,646,004, July 21.
Motor or pump, Gear. J. P. Johnson. 2,639,694, May 26.
Motor or pump having axially sliding vanes, Rotary fluid. C. M. Zoll. 2,646,753, July 28.
Motor or pump, Rotary fluid. A. F. Hickman. 2,650,573, Sept. 1.
Motor or pump, Rotary vane. J. R. Allsup, Sr. 2,624,282, Jan. 6.
Motor port construction. J. A. Lauck and F. C. Haberland. 2,633,104, Mar. 31.
Motor-protection during dynamic braking. G. R. Purifoy and W. L. Barclay, Jr. 2,653,284, Sept. 22.
Motor protective system operative on pull-out, Synchronous. T. F. Bellinger. 2,632,875, Mar. 24.
Motor road vehicle torsion resistant chassis. J. H. Weaving, K. J. Dangerfield, and Thomas K. Garrett. 2,646,991, July 28.
Motor speed control. C. L. Calosi. 2,638,568, May 12.
Motor speed control, Temperature responsive. J. W. Dyer. 2,630,556, Mar. 3.
Motor starting switch. G. D. Fitch. 2,629,792, Feb. 24.
Motor suspension for oil burners and the like. R. W. Beckett. 2,648,284, Aug. 11.
Motor system for closing automobile windows, Moisture controlled. R. A. Davis. 2,640,958, June 2.
Motor system for controlling pressure. R. R. Blair. 2,649,560, Aug. 18.
Motor system, Generator controlled. R. L. Jaeschke. 2,641,736, June 9.
Motor system, Multiple. J. M. Pestarini. 2,636,152, Apr. 21.
Motor system of wire block control, Electric. W. Few and J. D. Sauter. 2,664,529, Dec. 29.
Motor system with series-parallel switching relay, Traction. T. J. Warrick. 2,658,174, Nov. 3.
Motor testing device. F. W. Suhr and M. W. Hellar, Jr. 2,626,307, Jan. 20.
Motor transmission. V. A. P. Saracchi. 2,653,690, Sept. 29.
Motor vehicle air conditioner. E. S. Marion. 2,657,027, Oct. 27.
Motor vehicle body frame. M. H. Toncray, W. I. Nyquist, and C. W. Cenzer. 2,627,426, Feb. 3.
Motor vehicle body frame. M. H. Toncray and F. S. Spring. 2,627,437, Feb. 3.
Motor vehicle oil lever indicator. M. Butts. 2,630,011, Mar. 3.
Motor vehicle power transmission system. A. C. Miller, A. M. Kamper, and G. Berry. 2,646,864, July 28.
Motor vehicle seat. A. Rappl. 2,647,558, Aug. 4.
Motor vehicle switch. J. F. Ruchinski. 2,627,568, Feb. 3.
Motor vehicle wheel traction chain. E. E. Jellison. 2,642,915, June 23.
Motor with a field responsive fluid clutch, Electric. W. M. Winslow. 2,663,809, Dec. 22.
Motor with dynamic braking, Rectifier-powered. L. J. Hibbard. 2,632,873, Mar. 24.
Motor with encased rotor, Electric. L. Kritter. 2,648,786, Aug. 11.
Motor with injection cylinder, Thermal. J. H. Jalbert. 2,646,026, July 21.
Motor with means for regulating the indicated power thereof, Hot-gas. P. H. Clay. 2,643,508, June 30.
Motor with oppositely facing pole faces, Axial electromagnetic. C. S. Weyandt. 2,662,192, Dec. 8.
Motor with reversely rotating continuous combustion type combustion products generator and turbine, Axial flow jet. D. W. Seifert. 2,630,677, Mar. 10.
Motor with reversing mechanism and control, Outboard. D. A. Armstrong, B. Carlson, and C. A. Walz. 2,663,277, Dec. 22.
Motor with rotating combustion products generator and turbine, Axial flow jet. D. W. Seifert. 2,630,676, Mar. 10.
Motor with speed regulation by brush displacement, Three-phase commutator. G. P. Bergknut and C. J. E. Klessling. 2,661,435, Dec. 1.
Motor with variable area exhaust nozzle, Combustion products reaction. W. D. Pouchot. 2,639,578, May 26.
Motorized drink mixer. W. A. Ernst. 2,654,847, Oct. 6.
Motors with treatment between stages, Multiple fluid-operated rotary gear. A. A. Shames. 2,631,428, Mar. 17.
Mottled plastic sheet material, Making. L. Eaby. 2,625,712, Jan. 20.
Mount and means for supporting and orienting optical devices. M. B. Johnson. 2,656,764, Oct. 27.
Mount assembly for electron tubes. H. K. Ishler. 2,664,519, Dec. 29.
Mount for aircraft engines, Movable. M. E. Chandler. 2,650,050, Aug. 25.
Mount for electron discharge devices. W. B. Brown. 2,656,479, Oct. 20.
Mount for motorcycle headlights and the like, Rotatably adjustable. A. P. Sauer. 2,651,488, Sept. 8.
Mount for outboard motors, Adjustable. F. A. Poulin. 2,631,799, Mar. 17.
Mount for outboard motors, Vertically adjustable. L. A. Kiebler, D. D. Aldrich, and D. W. Weller. 2,638,863, May 19.
Mount for reaction motors. B. Pearlman. 2,639,582, May 26.
Mount for telescopic gun sights, Eccentric. F. A. Pachmayr. 2,644,237, July 7.
Mount for tool bars, Adjustable. E. G. Briscoe. 2,644,694, July 7.
Mount for trailer hitches. A. F. Smith. 2,646,289, July 21.
Mount loading guide. C. E. Bechard and V. A. Levand, Jr. 2,653,417, Sept. 29.
Mounting: *See*—
Adjustable shelf mounting.
Aircraft retractable and steerable nose-wheel and tail-wheel mounting.
Anticorrosion needle mounting.
Antivibration mounting.
Article elevating caster mounting.
Automobile wheel mounting.
Automobile window mounting.
Axle mounting.
Battery terminal post mounting.
Bearing mounting.
Cab mounting.
Carriage mounting.
Center spring mounting.
Check valve mounting.
Compensating wheel mounting.
Compressor mounting.
Cotton picker spindle assembly mounting.
Crossbar system switchboard unit mounting.
Diaphragm mounting.
Door mounting.
Dough molder pressure board mounting.
Dual wheel mounting.
Equalizing and cushioning wheel mounting.
Eyeglass mounting.
Fan blade mounting.
Flexible windshield mounting.
Fuel pump diaphragm mounting.
Gas turbine starter mounting.
Header disk mounting.
Headlight bezel ring mounting.
High receiving and low servicing antenna mounting.
Incandescent mantle mounting.
Indicator mounting.
Insulator mounting.
Lance type pump mounting.
Low-friction variable pulley disk mounting.
Manifold mounting.
Mercury switch mounting.
Motor mounting.
Mower mounting.
Ophthalmic mounting.
Phonograph pickup mounting.
Piano string-plate mounting.
Plastic tooth mounting.
Railway car axle journal bearing mounting.
Railway car diaphragm face plate mounting.
Railway truck shock absorber mounting.
Rearview mirror mounting.
Refrigerating unit mounting.
Removably attachable lamp mounting.
Reproducer mounting.
Resilient bearing mounting.
Resilient mounting.
Resilient seat mounting.
Seat mounting.
Shock and vibration isolating mounting.
Sink mounting.
Spare tire mounting.

Mounting: *See*—Continued.
Spindle mounting.
Stileless screen mounting.
Switch mounting.
Tape reel mounting.
Telescope mounting.
Tool mounting.
Torsion bar mounting.
Torsion spring supported pedestal seat mounting.
Tractor seat mounting.
Tripod mounting.
Turbine wheel mounting.
Vacuum cleaner brush mounting.
Variable pitch screw propeller articulated blade mounting.
Vehicle leaf spring mounting.
Vehicle wheel mounting.
Weighing scale lens frame mounting.
Wheel unit mounting.
Wire reel mounting.
Mounting. J. W. King and J. J. McNamee. 2,625,351, Jan. 13.
Mounting and casing for scales. A. W. Andersen. 2,635,367, Oct. 13.
Mounting and driving assembly, Shaft. W. F. Spang. 2,640,334, June 2.
Mounting and fixing of turbo-machine fixed blades. K. Johanson. 2,658,719, Nov. 10.
Mounting and holder for piezoelectric crystals. A. W. Birt and J. W. Richardson. 2,639,393, May 19.
Mounting apparatus. J. J. J. Kernahan. 2,651,833, Sept. 15.
Mounting apparatus for sharpening tools, blades, and the like. G. P. Stankovich. 2,644,279, July 7.
Mounting assembly for motor-driven, hand-operated shaping tools. G. Linstead. 2,635,655, Apr. 21.
Mounting bracket for oil filters. J. M. Beatty. 2,633,991, Apr. 7.
Mounting clip. W. A. Bedford, Jr. 2,657,442, Nov. 3.
Mounting device. R. A. Gosselin. 2,649,271, Aug. 18.
Mounting device for antifriction bearings. R. Spieth, 2,650,867, Sept. 1.
Mounting device for door closers. K. C. Hoernel. 2,657,892, Nov. 3.
Mounting device for engine accessories. I. Kalikow. 2,645,438, July 14.
Mounting device for illuminated globes. R. R. Dupler. 2,660,661, Nov. 24.
Mounting device for lighting fixture lens. H. H. Williamson. 2,636,978, Apr. 28.
Mounting device for vacuum tube circuit elements. A. F. Hughes. 2,624,775, Jan. 6.
Mounting device for wall openings in electric heating devices. A. P. Charbonneau. 2,644,071, June 30.
Mounting for aircraft engine cowls. S. E. Hinkle. 2,642,853, June 23.
Mounting for a plurality of machines, Resilient. A. G. Dean. 2,637,278, May 5.
Mounting for a rotary wing aircraft, Rotor hub. M. F. Bates. 2,633,925, Apr. 7.
Mounting for artificial dentures. C. Levine and D. Sallan. 2,629,929, Mar. 3.
Mounting for auxiliary powered sailboats, Shiftable engine and propeller. E. O. Hurst. 2,652,019, Sept. 15.
Mounting for campaign ribbons and medals. J. Wolf. 2,625,757, Jan. 20.
Mounting for chair backs, Resilient. R. A. Cramer. 2,662,586, Dec. 15.
Mounting for chippers, Knife blade. C. A. Johnson. 2,657,723, Nov. 3.
Mounting for color television picture tubes, Grid. R. G. Olson. 2,635,205, Apr. 14.
Mounting for distributor breaker points, Adjustable. R. J. Buck and W. H. Ball. 2,640,891, June 2.
Mounting for drilling apparatus, Reversible. R. A. McCallum. 2,626,782, Jan. 27.
Mounting for easels. A. T. Rubano. 2,663,531, Dec. 22.
Mounting for electric motor starters. W. C. Furnas and N. H. Koertge. 2,652,506, Sept. 15.
Mounting for electric motors, Resilient. E. C. Ballman. 2,652,997, Sept. 22.
Mounting for electrical instruments. G. J. Wey. 2,642,483, June 16.
Mounting for farm tractors, Adjustable headlamp. D. E. Carpenter. 2,634,935, Apr. 14.
Mounting for initials or ornamental members. L. W. Cheney. 2,662,323, Dec. 15.
Mounting for initials or ornamental members. J. D. Gosselin. 2,662,322, Dec. 15.
Mounting for large globe made up of hemispherical sections. R. R. Dupler. 2,628,436, Feb. 17.
Mounting for loom reeds, Self-locking. C. R. Kronoff. 2,634,764, Apr. 14.
Mounting for metallic window sashes. J. J. Fry. 2,629,467, Feb. 24.
Mounting for pastry strip cutter wheels. F. H. Hubbard. 2,638,856, May 19.
Mounting for pictures, mirrors, and the like. C. Anaya Martinez. 2,655,330, Oct. 13.
Mounting for pressure responsive device. H. D. Warshaw. 2,629,801, Feb. 24.
Mounting for propeller fans, Flexible. E. F. Riopelle and C. E. Hein. 2,641,910, June 16.
Mounting for rate control slide in fertilizer spreaders, Detachable. E. S. Gandrud. 2,661,125, Dec. 1.
Mounting for rearview mirrors, Adjustable. L. F. Hofer. 2,661,177, Dec. 1.
Mounting for reels, bobbins, and the like. S. W. Ripley. 2,652,989, Sept. 22.
Mounting for semiconductors. H. Christensen. 2,662,997, Dec. 15.
Mounting for sewing machine power units. A. M. Schweda. 2,643,838, June 30.
Mounting for spindles. A. Westall. 2,650,465, Sept. 1.
Mounting for telephone apparatus. J. F. Stropnicky. 2,650,789, Sept. 1.
Mounting for tension disk for air horns, Universal. L. E. Johnson. 2,642,028, June 16.
Mounting for textile spindles. H. A. Simmons. 2,647,806, Aug. 4.
Mounting for tilt-up type garage doors. R. B. Rogers. 2,628,385, Feb. 17.
Mounting for timing units. H. J. Walser. 2,661,173, Dec. 1.
Mounting for tool operating motors, Arm. A. C. Johnson. 2,627,880, Feb. 10.
Mounting for tractor mowers, Resilient universal. J. E. Horste. 2,647,354, Aug. 4.
Mounting for trophies, ornaments, and the like. W. F. Martin and R. G. Hall. 2,634,934, Apr. 14.
Mounting for vehicles, Spring. S. F. Udstad. 2,648,536, Aug. 11.
Mounting for warning lights, Shockproof. A. C. Heebler. 2,645,762, July 14.
Mounting having a resilient positioning pad, Universal head. C. E. Beck. 2,642,475, June 16.
Mounting head for coil terminals. E. E. Franz. 2,649,558, Aug. 18.
Mounting lamp shades on lamp harps, Means for. H. Lagin. 2,658,990, Nov. 10.
Mounting machine tool attachments, Means for. F. Steinbrecker. 2,650,521, Sept. 1.
Mounting magnets or the like within switch casings, Means for. E. Besag and T. D. G. Wintle. 2,655,622, Oct. 13.
Mounting means for cotton choppers. E. G. Shaver. 2,637,154, May 5.
Mounting means for door latches. R. C. Cerf, Jr. 2,646,301, July 21.
Mounting means for ignition switch-locks. E. N. Jacobi. 2,635,839, Apr. 21.
Mounting means for liquid dispensing device auxiliaries. H. H. Wolfe. 2,631,754, Mar. 17.
Mounting means for manifold machine carbon paper. L. A. Petit. 2,645,325, July 14.
Mounting means for television picture tubes. A. Eisenkramer. 2,654,880, Oct. 6.
Mounting medium for microscope slides and securing the cover glasses therefor. A. Ferrari, Jr. 2,661,659, Dec. 8.
Mounting member for furniture and the like. L. G. Simjian. 2,641,310, June 9.
Mounting method. P. W. Dalrymple. 2,641,879, June 16.
Mounting of ball bearing. T. Watt. 2,648,577, Aug. 11.
Mounting of cathode-ray tubes for television reception. M. J. Morris. 2,643,373, June 23.
Mounting of gas turbine units. J. O. P. Hughes and P. H. W. Wolff. 2,661,593, Dec. 8.
Mounting of plank on swing hangers for railway trucks. W. Van Der Sluys. 2,625,117, Jan. 13.
Mounting of the stator blades of gaseous fluid turbines. H. S. Rainbow and D. Paul. 2,625,367, Jan. 13.
Mounting of turbine blades. A. Thomas and L. R. Fellows. 2,643,086, June 23.
Mounting of twin acoustic diaphragm assemblies. J. Julie. 2,630,189, Mar. 3.
Mounting plate for fixtures employing elongated tubular lamps. R. G. Marchisio. 2,645,708, July 14.
Mounting rotors on arbors of various transaxial contours. D. E. Gommel. 2,649,868, Aug. 25.
Mounting screens for cathode-ray tubes. H. B. Law. 2,654,940, Oct. 13.
Mounting separable thin metal nipple hose couplings. L. M. Stinchcomb and R. S. Doerr. 2,634,786, Apr. 14.
Mounting structure, Multiple head. J. L. Pettua. 2,644,856, July 7.
Mounting structure for radio-frequency seaming machines, Electrode. H. Hacklander. 2,659,806, Nov. 17.
Mounting the electrode system for electric discharge tubes. L. Klinkert, G. C. Antonie, M. Moubis, and J. L. H. Jonker. 2,644,998, July 14.
Mounting thickness shear mode quartz crystal oscillator plates. W. H. E. Samuelson. 2,641,718, June 9.
Mounting 35-millimeter slides to prevent film buckle during projection. R. C. Smith. 2,639,254, May 19.
Mounting unit for corn picker elevators. R. Sammer. 2,650,723, Sept. 1.
Mounting vacuum tube electrodes. S. F. Essig. 2,635,391, Apr. 21.
Mouse and rat trap. I. A. Cook. 2,640,293, June 2.
Mouth insert pad. M. Herman. 2,653,600, Sept. 29.
Mouth opener, Animal. F. C. Febrman. 2,651,300, Sept. 8.
Mouth protector. J. F. Cathcart. 2,643,652, June 30.
Mouth protector. C. F. Coleman. 2,630,117, Mar. 3.
Mouthpiece attachment for tobacco smoking pipes and the like. F. J. Kraber. 2,630,808, Mar. 10.
Mouthpiece cigarettes, Method of and apparatus for making. D. W. Molins. 2,646,048, July 21.
Mouthpiece for bottles, Drinking. A. J. Warneke. 2,628,736, Feb. 17.
Mouthpiece for machines for packing cigarettes and like articles. C. T. Hall. 2,639,071, May 19.

Mouthpiece for smoking utensils. I. Florman. 2,659,376, Nov. 17.
Mouthpiece to be worn by athletes. A. J. Savarese. 2,659,366, Nov. 17.
Movement multiplier for disk springs. E. K. Ralston. 2,634,123, Apr. 7.
Movements of electrical measuring instruments and the like. G. N. Harding and O. F. W. Thal. 2,654,069, Sept. 29.
Movie film feeder with simultaneous unwinding and rewinding action. H. S. Burson, Sr. 2,643,118, June 23.
Moving machine, Earth. F. D. Cahill. 2,663,953, Dec. 29.
Moving mechanism for photographic range finders. M. Schwartz and W. Castedello. 2,641,157, June 9.
Moving object indication receiver circuit. R. A. McConnell. 2,644,154, June 30.
Moving object pulse echo selection circuit for radar systems. A. G. Emslie. 2,646,561, July 21.
Moving object pulse echo detection system. R. Sherr. 2,659,078, Nov. 10.
Moving stairway handrail supporting device. S. G. Margles. 2,660,286, Nov. 24.
Mow hay drier. B. F. Heal. 2,656,783, Oct. 27.
Mower and leaf mulcher, Combined grass. W. F. Miller and H. E. Kroll. 2,659,191, Nov. 17.
Mower attachment for tractors. R. B. Davis. 2,663,133, Dec. 22.
Mower attachment for tractors. S. H. Gillespie. 2,628,467, Feb. 17.
Mower attachment, Tractor. W. H. Tanke. 2,662,358, Dec. 15.
Mower handle. E. D. Wilkin. 2,651,804, Sept. 15.
Mower interconnecting means, Gang. H. Imbt. 2,659,190, Nov. 17.
Mower, Lawn and weed. G. J. Michaels. 2,636,333, Apr. 28.
Mower mounting. J. J. Dalglish and R. L. Holm. 2,645,073, July 14.
Mower, Rotary hinged disk type. F. W. and O. W. Lawrence. 2,634,571, Apr. 14.
Mower wheel seal. A. R. Cooper. 2,639,929, May 26.
Mowing apparatus. A. G. Goodnight. 2,624,999, Jan. 13.
Mowing machine cutterhead, Spinnerflex. B. M. Gold. 2,654,986, Oct. 13.
Mowing machine divider plate with divider rod attached thereto. J. J. Doonan. 2,645,076, July 14.
Mowing machine having vibration neutralizing means. E. K. Bonner, Jr., and J. J. Zozzi. 2,651,906, Sept. 15.
Mowing machine, Reel type. C. D. and W. C. Courson. 2,650,463, Sept. 1.
Mowing machine sickle bar driving means. D. F. Sherman. 2,630,670, Mar. 10.
Muck stripper for endless track treads. F. Cartlidge. 2,637,603, May 5.
Mucking machine. A. R. Biedess. 2,627,357, Feb. 3.
Mucking machine. J. K. Wilden. 2,644,596, July 7.
Mud and chemical mixer. R. C. Gibson and J. J. Leggett. 2,631,017, Mar. 10.
Mud device. H. N. Osbon. 2,631,729, Mar. 17.
Mud gun. W. H. Endsley. 2,661,983, Dec. 8.
Mud mixer and agitator. D. Ragland. 2,626,788, Jan. 27.
Muff, Ear. E. Berg. 2,651,046, Sept. 8.
Muffle furnace. H. N. Ipsen. 2,658,744, Nov. 10.
Muffle structure for use in firing kilns and ovens. J. W. A. Lovatt. 2,629,917, Mar. 3.
Muffle type furnace. A. J. Lincoln and G. D. Courtright. 2,661,385, Dec. 1.
Muffler and filter. C. A. Brock and T. R. Hunter. 2,632,526, Mar. 24.
Muffler assembly, Rotatably mounted. P. E. Schmid. 2,643,731, June 30.
Muffler, Baffle type. W. Keller. 2,663,378, Dec. 22.
Muffler having a plurality of helical passages, Baffle type. G. B. Walker. 2,646,854, July 28.
Muffler with a hemispherical outer wall having a plurality of apertures of various sizes and shapes. E. C. Woods. 2,654,437, Oct. 6.
Muffler with conical perforated baffles, Exhaust. R. W. Cooper. 2,651,381, Sept. 8.
Muffler with expansion chambers, Retroverted passage type. B. B. Cary. 2,652,128, Sept. 15.
Muffler with outer conduit formed of sound absorbing material, Retroverted passage type. J. B. Gaffney. 2,640,557, June 2.
Muffler with plural passages. R. B. Bourne. 2,624,418, Jan. 6.
Muffler with resonator chambers, Retroverted passage type. B. B. Cary. 2,656,005, Oct. 20.
Muffler with sound absorbing panels, Air-cooled exhaust. C. W. Lemmerman. 2,661,072, Dec. 1.
Milling machine. J. A. Scarlett. 2,626,758, Jan. 27.
Mullite-containing refractories, Manufacturing. L. C. Bearer. 2,641,044, June 9.
Multiband tuner. V. P. Friberg. 2,648,824, Aug. 11.
Multicathode gaseous discharge device. W. G. Stieritz. 2,633,550, Mar. 31.
Multicathode gaseous discharge device. H. L. von Gugelberg. 2,646,523, July 21.
Multicathode gaseous discharge device and circuits. M. A. Townsend. 2,635,810, Apr. 21.
Multicathode glow discharge device. W. A. Depp. 2,658,166, Nov. 3.
Multicellular fractionation column and the like. A. K. Brewer. 2,662,759, Dec. 15.
Multichannel analyzer. G. G. Kelley. 2,642,527, June 16.
Multichannel telemetric system. D. B. Harris. 2,639,410, May 19.
Multicircuit electric safety switch. A. G. Seifried. 2,636,088, Apr. 21.
Multicolor electronographic printing. W. C. Huebner. 2,654,315, Oct. 6.
Multicolor job or proof press. J. R. Parrish. 2,663,254, Dec. 22.
Multicolor negative film with integral masking images. H. H. Duerr, H. W. Morreall, Jr., and H. C. Harsh. 2,629,657, Feb. 24.
Multicolor proof press. J. R. Parrish. 2,663,255, Dec. 22.
Multicolor rotary intaglio, letterpress, and offset printing press. G. Giori. 2,6[illegible]605, Nov. 17.
Multicomponent gas analyzer. J. J. Heigl. 2,642,536, June 16.
Multicontact relay. N. H. Saunders, C. J. Hackett, and J. I. Bellamy. 2,647,961, Aug. 4.
Multicontact relay and terminal assembly, Combination. J. E. Ostline. 2,632,814, Mar. 24.
Multicontact semiconductor translating device. R. J. Kircher. 2,644,914, July 7.
Multicopy attachment for typewriting machines. B. L. Henry. 2,634,849, Apr. 14.
Multicrankshaft engine. G. Pielstick. 2,634,585, Apr. 14.
Multicylinder motor. L. C. Maher. 2,628,604, Feb. 17.
Multidirectional inertia-operated safety device for vehicle chairs. W. R. Neahr and R. L. Davis. 2,650,655, Sept. 1.
Multifrequency T-R box. L. P. Hunter. 2,644,139, June 30.
Multilayer catalyst, Preparation of a. E. J. Houdry. 2,643,980, June 30.
Multilayer color negatives containing masking images for color correction purposes, Producing. H. C. Harsh and J. S. Friedman. 2,635,959, Apr. 21.
Multilayer diaphragm. W. E. Whitney. 2,646,077, July 21.
Multilayer magnetic record member. O. Kornei. 2,643,130, June 23.
Multiorifice sanitary tooth paste dispenser. R. T. James. 2,628,746, Feb. 17.
Multipart retractable structure. T. F. Ziegler. 2,661,082, Dec. 1.
Multiple acting heel for shoes. H. C. Stein. 2,629,189, Feb. 24.
Multiple angle piezoelectric searching unit. W. K. Hooper. 2,629,835, Feb. 24.
Multiple-bar gluing clamp. M. E. Wetzler. 2,625,970, Jan. 20.
Multiple batch drier. A. E. Tanasse. 2,661,544, Dec. 8.
Multiple bore pulley assembly. R. A. Joelson. 2,657,081, Oct. 27.
Multiple buck press. L. M. Kahn. 2,656,624, Oct. 27.
Multiple contact electrical connector. R. L. Perkins. 2,636,068, Apr. 21.
Multiple container. P. Hauduroy. 2,661,742, Dec. 8.
Multiple control valve. R. F. Hodgson and W. C. Dolch. 2,651,324, Sept. 8.
Multiple cylinder internal-combustion engine. A. H. Winkler. 2,652,038, Sept. 15.
Multiple-decade differential counter. L. L. Young and R. M. Wilmotte. 2,646,926, July 28.
Multiple disk friction clutch. C. Meschia. 2,639,013, May 19.
Multiple electric connector. A. and B. A. Jackson. 2,658,182, Nov. 3.
Multiple electric plug receptacle. D. Lancelot. 2,654,074, Sept. 29.
Multiple electrode polyphase arc welding. N. G. Schreiner and E. A. Clapp. 2,655,586, Oct. 13.
Multiple engine coupling. J. H. Wilson. 2,651,947, Sept. 15.
Multiple expansion rotary drill bit. A. W. Kammerer. 2,650,072, Aug. 25.
Multiple extension drop-leaf table. E. Albano. 2,643,924, June 30.
Multiple flow column. D. C. Lockwood. 2,646,266, July 21.
Multiple gas turbine power plant having speed governors to bypass power turbine and regulate fuel feed. C. R. Waller. 2,627,717, Feb. 10.
Multiple glass sheet glazing unit. R. A. Gaiser and C. M. Browne. 2,625,640, Jan. 13.
Multiple group gas burner with independent fuel and secondary air supplies. V. S. Beck. 2,625,992, Jan. 20.
Multiple gutter mold. R. E. Steele and J. Jordan. 2,627,641, Feb. 10.
Multiple ironing machine. J. H. Leef. 2,632,966, Mar. 31.
Multiple liquid dispensing container. A. G. Huenergardt. 2,661,870–1, Dec. 8.
Multiple mode closed-cycle control system. D. C. McDonald, K. C. Mathews, and R. C. Boe. 2,663,832, Dec. 22.
Multiple movement gate. A. Reymann. 2,661,557, Dec. 8.
Multiple-neck filter. W. van B. Roberts. 2,662,217, Dec. 8.
Multiple notching die. A. Martincic. 2,654,428, Oct. 6.

Multiple outlet connector. G. Harpster. 2,641,745, June 9.
Multiple pneumatic protection pad. C. A. Cushman and W. Harrison, Jr. 2,657,385, Nov. 3.
Multiple position adjusting device. E. L. Hanson and J. Barna. 2,635,578, Apr. 21.
Multiple position fluid pressure actuated apparatus. H. A. Bienkle. 2,661,724, Dec. 8.
Multiple position fluid pressure motor. W. F. Poore. 2,630,786, Mar. 10.
Multiple precision instrument and tool. V. S. Debs. 2,658,278, Nov. 10.
Multiple pump. W. L. Sanborn. 2,655,110, Oct. 13.
Multiple race ball bearing. J. M. Mergen. 2,650,864, Sept. 1.
Multiple recording of information. L. Perkel. 2,646,292, July 21.
Multiple rolling of strip. H. S. Orr. 2,645,842, July 21.
Multiple scale electrical test instrument. C. Rosso. 2,657,357, Oct. 27.
Multiple sheet feeder. W. E. Mitchell. 2,645,479, July 14.
Multiple sheet glazing unit. R. W. Wampler and C. M. Browne. 2,625,717, Jan. 20.
Multiple stage nonslip vacuum pump. M. Pemmerl. 2,628,014, Feb. 10.
Multiple stage rotary translation engine. L. D. Burch. 2,632,998, Mar. 31.
Multiple standard inversion frequency measuring system. A. K. Robinson and W. J. Hoffert. 2,642,534, June 16.
Multiple strand thermal pull wire unit. P. Sitzer. 2,639,190, May 19.
Multiple tap resistance unit and making the same. J. Dunlop. 2,627,008, Jan. 27.
Multiple tie rack. M. W. Klein. 2,634,031, Apr. 7.
Multiple time switch. J. C. Rivet. 2,640,117, May 26.
Multiplex transceiving arrangement. C. J. H. A. Staal. 2,662,117, Dec. 8.
Multiple unit control system. E. S. Bristol. 2,657,347, Oct. 27.
Multiple valve. R. L. Lay. 2,630,324, Mar. 3.
Multiple valve. R. E. Risley and H. L. Hoke. 2,660,195, Nov. 24.
Multiple valve. A. E. Thurber, Jr. 2,635,634, Apr. 21.
Multiple windrowing disk type mower. C. W. Kelsey. 2,625,784, Jan. 20.
Multiplex frequency modulation communication system. R. M. Wilmotte. 2,654,885, Oct. 6.
Multiplex fuse plug. W. H. Wilson. 2,650,968, Sept. 1.
Multiplex system, Frequency modulation. E. H. Armstrong. 2,630,497, Mar. 3.
Multiplication and division linkage operator. E. W. Pike. 2,652,978, Sept. 22.
Multiplication control mechanism for calculating machines. F. W. Pfleger. 2,645,423, July 14.
Multiplier, Electronic. A. H. Dickinson. 2,641,407, June 9.
Multiplying mechanism. E. Dawson. 2,624,506, Jan. 6.
Multiport valve. H. Mansen. 2,644,484, July 7.
Multiport valve. W. A. Ray. 2,637,985, May 12.
Multiport valve. J. R. Rhinehart and C. H. Eshrich. 2,662,549, Dec. 15.
Multiposition caster lock for airplane cross-wind main landing wheels. E. Wolf. 2,656,995, Oct. 27.
Multiposition switch. G. M. Neff. 2,645,685, July 14.
Multipositioned liquid switch. H. R. Johnson. 2,640,890, June 2.
Multipurpose depth gauge. L. L. Kidd. 2,650,435, Sept. 1.
Multipurpose sectional top table. W. J. Zenner. 2,633,395, Mar. 31.
Multirange recorder indicator. I. M. Stein. 2,637,619, May 5.
Multirow cylindrical roller bearing. P. G. Palmgren and A. S. Murray. 2,652,296, Sept. 15.
Multisection acoustic filter. H. F. Olson. 2,656,004, Oct. 20.
Multispeed hydraulic power device. W. A. Traut. 2,625,796, Jan. 20.
Multistage centrifugal pump. W. H. Curtis, L. L. Aspelin, and J. C. Carter. 2,660,121, Nov. 24.
Multistage mixer-settler apparatus. B. V. Coplan and E. L. Zebroski. 2,646,346, July 21.
Multistage reel. K. M. McLellan. 2,628,411, Feb. 17.
Multistation duplex system. R. C. Cheek and P. L. Newbury. 2,626,319, Jan. 20.
Multiswitch, Electric. J. Kruithof. 2,640,884, June 2.
Multiterminal seismic cable connector system. K. W. McLoad. 2,654,077, Sept. 29.
Multivibrator. M. S. Wheeler. 2,648,004, Aug. 4.
Multivibrator, Electronic. C. A. Bergfors. 2,651,722, Sept. 8.
Multivibrator, Transitor one-shot. D. H. Toth. 2,641,717, June 9.
Multiway valve. D. H. Bierman, J. A. Jawett, and A. D. Bierman. 2,639,723, May 26.
Muntin cross joint in an insulated metal closure. M. E. Priem. 2,654,452, Oct. 6.
Mushroom trimming machine. W. G. Blevins, Sr., R. A. Coleman, and J. Mills. 2,638,949, May 19.
Music-box cabinet. L. Arceo. 2,644,421, July 7.
Music box comb and sounding board construction. T. R. Duncan. 2,647,427, Aug. 4.
Musical instrument. W. J. Anderson. 2,649,007, Aug. 18.
Musical instrument. G. Barr. 2,654,283, Oct. 6.
Musical instrument. S. Heytow and R. H. Peterson. 2,649,006, Aug. 18.
Musical instrument. P. Stabile. 2,645,970, July 21.
Musical instrument body. N. U. Prescott. 2,660,912, Dec. 1.
Musical instrument bow. M. Nebel. 2,624,225, Jan. 6.
Musical instrument construction. G. A. Finder. Re. 23,620, Feb. 24.
Musical instrument, Educational. P. P. Pattyn. 2,651,960, Sept. 15.
Musical instrument, Electrical. N. I. Daniel. 2,645,969, July 21.
Musical instrument, Electrical. J. M. Hanert. 2,645,968, July 21.
Musical instrument, Electrically operated. W. F. and M. A. Battle. 2,647,426, Aug. 4.
Musical instrument having angularly adjustable string contacting mechanisms, Stringed. J. W. McBride. 2,658,419, Nov. 10.
Musical instrument, Percussion. E. Carlson. 2,640,385, June 2.
Musical instrument, Portable. F. H. Magnus and E. J. Ens. 2,659,261, Nov. 17.
Musical instrument, Stringed. H. M. Hise. 2,641,152, June 9.
Musical instrument, Stringed. J. W. McBride. 2,633,770, Apr. 7.
Musical instrument, Vibratory reed. B. F. Miessner. 2,640,384, June 2.
Musical pegboard. P. G. Smith. 2,624,227, Jan. 6.
Musical toy vehicle. T. R. Duncan. 2,630,655, Mar. 10.
Mustard dispenser. E. Jeunesse. 2,650,001, Aug. 25.
Muting bar for electrical musical instruments. A. L. Schilling. 2,647,430, Aug. 4.
Muting device for accordions. E. C. Filice. 2,639,640, May 26.
Muting system for signal amplifiers. J. R. Kilgore. 2,629,026, Feb. 17.
Muzzle device, Shotgun. E. B. Powell. 2,662,326, Dec. 15.
Muzzle, Dog. L. W. Jones. 2,658,478, Nov. 10.
N-acetylpyrazinecarboxamide and preparing the same. S. R. Safir. 2,632,009, Mar. 17.
N-acyl derivatives of amide compounds, Preparing. H. J. Hagemeyer, Jr. 2,656,360, Oct. 20.
N-alkyl derivatives of α,α-ditolylpropion-amide and salts thereof, Basically substituted. C. P. Krimmel. 2,634,274, Apr. 7.
N-alkyl-N-alpha-thenyl anilines. L. P. Kyrides. 2,629,720, Feb. 24.
N-alkyl-N-(β-methylsulfonamidoethyl)-P-aminophenols. A. Weissberger, J. R. Thirtle, and R. L. Bent. 2,652,428, Sept. 15.
N-alkyl-9-xanthene-carboxamides, basically substituted derivatives and salts thereof. J. W. Cusic. 2,661,351, Dec. 1.
N-alkyl-N'-(p-hydroxyphenyl) ureas. E. F. Hill and D. O. De Tree. 2,663,730, Dec. 22.
N-alkyl-N-vinyl cyanamide Preparation. D. W. Kaiser and I. Hechenbleikner. 2,658,915, Nov. 10.
N-alkyl thiopheneacrylamides. L. M. Long and C. A. Miller. 2,632,010, Mar. 17.
N-allyl- and N-butenyl-hydantoic acid. A. Halpern. 2,650,247, Aug. 25.
N-alpha-thenyl anilines. L. P. Kyrides. 2,624,743, Jan. 6.
N-aminophthalic imides and salts thereof as fungicidal compositions. W. B. Ligett, R. D. Closson, and C. N. Wolf. 2,657,169, Oct. 27.
N-aromatic-N'-aliphatic hydrocarbon ureas, Preparation of. N. E. Searle. 2,655,534, Oct. 13.
N-aryl-4-amino butanols, Making. H. E. Winberg. 2,628,978, Feb. 17.
N-benzhydryl-N'-alkyl-substituted-homopiperazines. A. W. Weston and A. H. Sommers. 2,655,498, Oct. 13.
N-benzohydryl-N-methyl piperazines and preparing same. R. Baltzly and J. C. Castillo. 2,630,435, Mar. 3.
N-benzyl-ethoxynaphthylpropanolamines and method of producing same. M. C. Fernald. 2,629,738, Feb. 24.
N-β-nitraminoethyl-N'-aryl-N''-nitroguanidines. A. F. McKay. 2,648,707, Aug. 11.
N-β-(3-pyridyl)-ethylmorpholine salt of penicillin. H. W. Rhodehamel, Jr. 2,654,741, Oct. 6.
N-(C mercapto-pyrimidyl)-P-aminobenzenesulfonamides. W. A. Lott and F. H. Bergeim. 2,652,395, Sept. 15.
N-carboanhydrides and polyamides. R. N. MacDonald and C. W. Tullock. 2,630,423, Mar. 3.
N-carboanhydrides and polymers therefrom. M. M. Brubaker and R. N. MacDonald. 2,644,808, July 7.
N-carboanhydrides of alpha amino acids, Preparation of. R. N. MacDonald. 2,662,084, Dec. 8.
N-carboxyalkyl-α-amino toluic acids and their alkyl esters. W. S. Emerson and R. A. Heimsch. 2,642,456, June 16.
N-carboxyanhydrides of glycine, Preparation of. G. A. Richardson. 2,647,907, Aug. 4.
N-carboxyglycine anhydride, Preparing the. G. A. Richardson. 2,653,946, Sept. 29.
N-carboxyphenylalanine anhydrides, Preparing the. J. B. Ott. 2,653,947, Sept. 29.
N-dialkylaminoalkyl derivatives of α,β-diarylalkanoamides and their salts. C. P. Krimmel. 2,658,076, Nov. 3.
N-exo-dihydrodicyclopentadienylacrylamide. D. T. Mowry and E. L. Ringwald. 2,653,975, Sept. 29.

N-glycosides of 5,6 dimethyl benzimidazoles, Preparation of. F. W. Holly, C. H. Shunk, and K. Folkers. 2,662,883, Dec. 15.
N-(halomethyl)-maleimide and preparing the same. P. O. Tawney. 2,640,832, June 2.
N-hydroxyalkyl-2-ketopiperazines. P. L. de Benneville. 2,633,467, Mar. 31.
N-ketoalkyl-p-aminobenzoates. D. I. Weisblat, B. J. Magerlein, and S. T. Rolfson. 2,625,562, Jan. 13.
N-methyl-1-isobutylisopentylamine, Production of. J. B. Tindall. 2,640,855, June 2.
N-methylol-p-vinyl benzamide. J. N. Milne, D. Faulkner, and C. E. Hollis. 2,650,250, Aug. 25.
N-N' dialkanol piperazine, Preparing. J. D. Malkemus. 2,636,033, Apr. 21.
N-N'-dichloro-1,8-diformamido-p-menthane. M. D. Hurwitz and R. W. Auten. 2,653,169, Sept. 22.
N, N-disubstituted aminoalkanol esters of α,α-diacyltoluic acids and their salts. C. P. Krimmel. 2,655,504, Oct. 13.
N,N-disubstituted β-haloethylamines. K. N. Campbell and G. E. Ullyot. 2,640,828, June 2.
N,N-disubstituted 9-xanthenecarboxamides. J. W. Cusic. 2,661,353, Dec. 1.
N,N'disubstituted piperazines and preparing same. A. W. Weston and K. E. Hamlin, Jr. 2,636,032, Apr. 21.
N - (n - dodecyl) - N - (3,4 - dichlorophenethyl) - N,N - dimethyl-ammonium compounds. C. E. Kwartler. 2,664,444, Dec. 29.
N,N'-phthalyl hydrazine fungicidal composition. W. B. Ligett, R. D. Closson, and C. N. Wolf. 2,654,689, Oct. 6.
N,N'-piperazine dicarbamate of 2,4-dihydroxyphenylthiol. V. Ouperoff-Urne. 2,650,925, Sept. 1.
N - (n - tetradecyl) - N - (3,4 - methylenedioxybenzyl)-N,N-dimethylammonium chloride and preparation thereof. C. E. Kwartler. 2,647,130, July 28.
N-naphthyl maleamic esters. W. B. Ligett, C. N. Wolf, and R. D. Closson. 2,663,665, Dec. 22.
N-organolead-phthalimides as fungicides. W. B. Ligett, R. D. Closson, and C. N. Wolf. 2,640,006, May 26.
N-oxyalkyl-p-aminobenzoate compounds. D. I. Weisblat and B. J. Magerlein. 2,636,897, Apr. 28.
N-oxyalkyl-p-aminobenzoates. D. I. Weisblat, B. J. Magerlein, D. R. Myers, S. T. Rolfson, and A. R. Hanze. 2,629,733, Feb. 24.
N-oxyalkyl-p-aminobenzoyl glutamates. D. I. Weisblat, A. R. Hanze, B. J. Magerlein, D. R. Myers, and S. T. Rolfson. 2,629,734, Feb. 24.
N-oxoalkyl-para-aminosalicylic acids. H. Hopff and H. Spaenig. 2,655,532, Oct. 13.
N-substituted carbamate, Preparing an. D. W. Kaiser. 2,647,916, Aug. 4.
N-substituted derivatives of 4-amino-2-hydroxybenzoic acid, Producing. K.-G. Rosdahl. 2,639,294, May 19.
N-substituted polyvinylamines. D. D. Reynolds and W. O. Kenyon. 2,632,757, Mar. 24.
N-substituted saturated diamines, Preparation of. H. D. Finch and S. A. Ballard. 2,652,430, Sept. 15.
N-substituted streptomycylamines. W. A. Winsten 2,664,417, Dec. 29.
N-substituted-2-amino (methyl) quinolines. I. A. Kaye. 2,652,398, Sept. 15.
N-10 formyl folic acid and preparing the same. E. A. Kaczka and K. Folkers. 2,632,759, Mar. 24.
N-thio pyrrolidines. T. E. Lesslie. 2,648,673, Aug. 11.
N-(3,4,6-triacetyl-D-glucosyl) piperidine and preparing same. J. E. Hodge. 2,637,727, May 5.
N-trichloromethylthio imides, Manufacture of. A. R. Kittleson. 2,653,155, Sept. 22.
N-(2-keto-3-oximinoalkyl)-p-amino-benzoate compounds. D. I. Weisblat and B. J. Magerlein. 2,647,915, Aug. 4.
N-(2-pyridyl) 2-chloro-3-amino-1,4-naphthoquinones. J. C. Calandra and E. C. Adams, Jr. 2,647,123, July 28.
Nail distributor. W. M. Cutler, H. B. Greenough, and E. S. Kant. 2,636,169, Apr. 28.
Nail driver. F. J. Baird. 2,624,879, Jan. 13.
Nail driving device. W. A. Lueneburg. 2,657,382, Nov. 3.
Nail-driving mechanism. C. J. Bacon and S. J. Kent. 2,652,564, Sept. 22.
Nail extracting device. J. J. and R. A. Denovan. 2,650,061, Aug. 25.
Nail feeding and driving implement. J. Thornton. 2,660,727, Dec. 1.
Nail gun. M. B. Smith, E. C. Wallace, and E. L. Krieg. 2,648,841, Aug. 18.
Nail holder. O. Langer. 2,635,237, Apr. 21.
Nail holding and positioning device. L. S. Harris. 2,638,591, May 19.
Nail holding attachment for hammers. A. P. Zanelli. 2,652,082, Sept. 15.
Nail inserter, Intramedullary. J. F. Dorr. 2,638,092, May 12.
Nail lacquer bottle assembly, including brush wiper. J. W. Gagen. 2,627,619, Feb. 10.
Nail polish applicator, Charge ejecting. D. J. Bozzalla. 2,642,607, June 23.
Nail polish template. R. L. and R. J. Frank. 2,654,375, Oct. 6.
Nail pulling device. W. N. Henry. 2,639,887, May 26.
Nail, Sheet metal self-locking. E. P. Anstett. 2,649,831, Aug. 25.
Nail stripper, Portable. R. Cottar. 2,653,318, Sept. 29.
Nailable material from natural rubber or butadiene-styrene copolymer, plasticizer, cellulose, and asbestos. C. B. Hess and H. M. Richardson. 2,663,693, Dec. 22.
Nailing machine. F. Pfyffer. 2,631,284, Mar. 17.
Nailing machine attachment. J. B. Frear. 2,654,886, Oct. 13.
Nailing mechanism for assembled crate heads. G. C. Paxton. 2,643,377, June 30.
Name or directory card holder. D. H. Strayer. 2,659,991, Nov. 24.
Nap deflector and valve control for vacuum cleaner nozzles. J. B. Lovick. 2,641,015, June 9.
Naphtha desulfurization, Cracked. R. C. Arnold, A. P. Lien, and J. F. Deters. 2,636,843, Apr. 28.
Naphthaleneacetic acid, Making. P. L. Southwick. 2,655,531, Oct. 13.
Naphthostyrils, Preparation of. M. Scalera, W. B. Hardy, and J. J. Leavitt. 2,628,964, Feb. 17.
Narrow ware loom. E. R. Holmes. 2,657,715, Nov. 3.
Nasal adapter for oxygen inhalation. C. F. Turnberg. 2,663,297, Dec. 22.
Nasal applicator. V. H. Roehrich. 2,625,159, Jan. 13.
Nasal filter. M. A. Coleman. 2,660,166, Nov. 24.
Nasal injector. J. T. Smith. 2,635,603, Apr. 21.
Navaglide system, Pulse. A. M. Casabona. 2,640,982, June 2.
Navel umbilical pressure shield. H. E. Smith. 2,652,827, Sept. 22.
Navigation system. W. J. Tull. 2,633,567, Mar. 31.
Navigation system, Radio. I. A. Greenwood, Jr. 2,633,570, Mar. 31.
Navigation system, Radio. L. F. Jones. 2,632,157, Mar. 17.
Navigation system, Radio. H. J. Schrader. 2,655,648, Oct. 13.
Navigation trainer, Radio. T. P. James. 2,644,247, July 7.
Navigational aid device. D. Skalka. 2,643,457, June 80
Navigational system. M. Wallace. 2,634,411, Apr. 7.
Navigator, Aerial dead reckoning true plotting. E. B. McGee. 2,636,673, Apr. 28.
Neck duster, Barbers' and beauticians'. C. E. Stroup. 2,657,410, Nov. 3.
Necktie. M. J. Cohan. 2,656,543, Oct. 27.
Necktie. L. Tobias, 2,642,572, June 23.
Necktie construction. A. T. McCarthy. 2,653,325, Sept. 29.
Necktie device. R. H. Cunningham. 2,631,292, Mar. 17.
Necktie dimpler. L. D. Guaschino. 2,644,163, July 7.
Necktie finisher. C. C. Palmatier and F. L. Wehren. 2,647,664, Aug. 4.
Necktie having adjustable neckband and band element therefor. W. Mayer. 2,662,226, Dec. 15.
Necktie holder. M. W. Bagier. 2,652,568, Sept. 22.
Necktie, Interchangeable preformed. R. J. Corey. 2,636,178, Apr. 28.
Necktie knot form. A. J. Kush. 2,628,360, Feb. 17.
Necktie or similar article. A. F. Taborski. 2,641,766, June 16.
Necktie, Preformed. A. J. Titone. 2,648,846, Aug. 18.
Necktie rack. E. W. Franklin. 2,643,775, June 30.
Necktie, Reversible. S. Sherman. 2,625,687, Jan. 20.
Necktie tree. R. M. Gause. 2,635,247, Apr. 21.
Neckwear. G. E. Malarkey. 2,630,574, Mar. 10.
Needle and transfer bit, Knitting. E. St. Pierre. 2,626,515, Jan. 27.
Needle and using same, Spring beard. P. J. Schoenster. 2,633,721, Apr. 7.
Needle-bar drive for zig-zag sewing machines. F. Parry. 2,662,495, Dec. 15.
Needle card. W. R. Toy. 2,645,339, July 14.
Needle, Double pneumothoracic. E. O. Baran. 2,630,803, Mar. 10.
Needle, Flared exit phlebotomy. E. J. Poitras. 2,638,897, May 19.
Needle for leathercraft, Lacing. J. G. Garibaldi. 2,655,297, Oct. 13.
Needle for use in needle looms or interlacing machines, Barbed felting. A. T. Dinham. 2,663,065, Dec. 22.
Needle holder. R. Castroviejo. 2,652,832, Sept. 22.
Needle, Hypodermic. R. D. Hanson. 2,634,726, Apr. 14.
Needle kit, Knitting. R. L. Flannery. 2,628,711, Feb. 17.
Needle, Knitting. J. J. Robbins. 2,633,720, Apr. 7.
Needle, Knitting. P. J. Schoenster. 2,626,514, Jan. 27.
Needle, Knitting. L. Spencer. 2,644,324, July 7.
Needle loom. M. Ballber. 2,657,714, Nov. 3.
Needle loom. R. G. Turner. 2,625,959, Jan. 20.
Needle mounting for knitting machines. H. C. Noe. 2,654,237, Oct. 6.
Needle saver stop motion. A. Crawford and M. Antonevich. 2,661,615, Dec. 8.
Needle stripper foot for sewing machines. R. E. Johnson. 2,652,798, Sept. 22.
Needle, Tenacular. A. P. Hudgins. 2,662,524, Dec. 15.
Needle threader. W. A. Cotter. 2,641,394, June 9.
Needle threader. J. S. Kahn. 2,656,956, Oct. 27.
Needle threader, Machine attached. M. Ingwer. 2,655,886, Oct. 20.
Needle threader, Universal. J. S. Kahn. 2,643,038, June 23.
Needle threading device. C. A. Pinkham and B. Holohan. 2,625,307, Jan. 13.

Needle with improved block, Self-threading sewing machine. G. Martinelli. 2,628,582, Feb. 17.
Negative charge image television transmission tube. J. D. McGee. 2,652,515, Sept. 15.
Negative electrode for alkaline storage batteries and manufacturing the same. J. Salauze. 2,643,276, June 23.
Negative feedback amplifier circuit. J. te Winkel. 2,657,282, Oct. 27.
Negative feedback frequency response compensation amplifier system. L. V. Wells. 2,658,958, Nov. 10.
Negative plates, Manufacture of. W. D. Carson and A. L. Hindall. 2,656,400, Oct. 20.
Neon shorts tester, Low voltage. M. Pitinsky. 2,645,754, July 14.
Nest, Poultry. J. M. Hansen. 2,633,826, Apr. 7.
Nested ball seat universal joint. W. A. Flumerfelt. 2,636,758, Apr. 28.
Nesting bowls and supporting means therefor. M. Clements. 2,625,274, Jan. 13.
Nesting container shells. L. D. Pierce. 2,654,473, Oct. 6.
Nesting type store service carrier. W. C. Enders. 2,644,695, July 7.
Net finishing machine. L. A. Ederer. 2,630,772, Mar. 10.
Net, Fisherman's landing. G. R. Collins. 2,645,874, July 21.
Net, Landing. F., C. W., and D. Jensen. 2,630,646, Mar. 10.
Netmaking and gauging tool. W. F. Lowe. 2,641,155, June 9.
Network calculating board. G. W. Bills. 2,650,760. Sept. 1.
Network for loaded transmission lines, Balancing. J. L. Merrill, Jr. 2,632,051, Mar. 17.
Neutral density filter screen. J. A. Gibbons. 2,628,534, Feb. 17.
Neutral esters of dicarboxylic acid orthophosphoric acid mixed anhydrides and condensation polymerization process utilizing the same. J. E. Kirby. 2,625,536, Jan. 13.
Neutral esters of thiolphosphoric acid, Production of. G. Schrader. 2,640,847, June 2.
Neutralization of acid constituents in petroleum. C. O. Hoover. 2,658,027, Nov. 3.
Neutralization of liquids. H. W. Gehm and L. T. Purcell. 2,642,393, June 16.
Neutralization of radio-frequency power supplies. R. C. Wilcox. 2,658,176, Nov. 3.
Neutralization of sulphonated organic esters. A. I. Gebhart and J. E. Mitchell. 2,660,588, Nov. 24.
Neutralizing industrial waste. A. L. Nugey. 2,642,334, June 16.
Neutralizing polarization hysteresis in capacitors, Method and apparatus for. C. J. Charske. 2,637,010, Apr. 28.
Neutron bore-hole logging. G. Herzog. 2,644,891, July 7.
Neutron detector. O. G. Landsverk and L. E. Rasmussen. 2,638,553, May 12.
Neutron detector. P. E. Ohmart. 2,663,802, Dec. 22.
New and improved solutions of zein and method of making same. J. R. Ehrlich. 2,657,148, Oct. 27.
New azapentylene diammonium salt. K. Miescher and A. Marxer. 2,654,776, Oct. 6.
New chemicals and fungicidal compositions containing same. G. E. O'Brien, A. Bornmann, and A. E. Smith. 2,643,965, June 30.
New phthalide compounds and their preparation. J. H. Boothe and J. P. Petisi. 2,650,235, Aug. 25.
New quinoxaline derivatives. J. K. Landquist. 2,644,000, June 30.
New unsaturated carbinols and preparing same. R. M. Evans and J. H. Chapman. 2,655,548, Oct. 13.
Nickel-alumina-silica catalysts and their preparation. W. J. Paterson. 2,645,620, July 14.
Nickel catalyst and preparation thereof. G. C. A. Schuit and J. J. B. V. van Voorthuysen. 2,658,875, Nov. 10.
Nickel plating. N. F. Blackburn. 2,664,392. Dec. 29.
Nickel plating. B. C. Case. 2,654,705, Oct. 6.
Nickel plating, Bright. A. H. Du Rose. 2,635,076, Apr. 14.
Nickel powder with large surface area, Preparing. N. J. De Lollis. 2,660,523, Nov. 24.
Ni-Cr-Mn alloys. J. H. Jackson and C. T. Greenidge. 2,628,900, Feb. 17.
Night stand. M. M. Schultz. 2,628,879, Feb. 17.
9-chloro- or 9-bromodecalin, Production of. F. E. Condon. 2,629,748, Feb. 24.
9-(2,3-dihydroxypropylaminoethylamino)-acridines and their preparation. A. R. Surrey and R. K. Bair. 2,647,900, Aug. 4.
Nipple and shield therefor, Nursing bottle. J. Kronish. 2,638,094, May 12.
Nipple, Meter flow nursing. R. J. Casey. 2,630,118, Mar. 3.
Nipple, Push. W. J. Dunn. 2,643,646, June 30.
Nipple, Vented nursing. C. W. Ransom. 2,628,616, Feb. 17.
Nitration of organic compounds. W. H. Marshall, Jr. 2,654,788, Oct. 6.
Nitric acid pickling. E. B. Mancke. 2,643,204, June 23.
Nitric oxide, Making. R. D. Pike. 2,643,936-7, June 30.
Nitric oxide, Method of and apparatus for producing. R. D. Pike. 2,642,338, June 16.
Nitric oxide recovery system. R. D. Pike. 2,647,822, Aug. 4.
Nitriles and catalysts therefor, Preparation of. H. J. Hagemeyer, Jr. 2,653,964, Sept. 29.
Nitriles, Making. J. E. Mahan and S. D. Turk. 2,642,454, June 16.
Nitriles, Production of. N. Max. 2,644,834, July 7.
Nitriliotripropionamide, Preparation of. L. A. Subluskey. 2,663,733, Dec. 22.
Nitro-amino-hydroxybenzene-sulfonic acid amides, Manufacture of. C. Zickendraht. 2,649,479, Aug. 18.
Nitroaromatic-benzalthiosemicarbazones. H. Schmidt and R. Behnisch. 2,651,660, Sept. 8.
Nitrobenzisoxazoles. R. O. Clinton and S. C. Laskowski. 2,626,260, Jan. 20.
Nitrogen and phosphorus containing product and producing same. J. E. Malowan. 2,661,264, Dec. 1.
Nitrogen containing compounds from ammonia and olefins, Production of. J. W. Teter. 2,643,266, June 23.
Nitrogen-containing materials from olefins, Preparation of. H. D. Hartough, J. J. Dickert, Jr., and S. L. Meisel. 2,647,117, July 28.
Nitrogen-containing polyethers and curing glycidyl polyethers to resinous products. E. C. Shokal, H. A. Newey, and T. F. Bradley. 2,643,239, June 23.
Nitrogen oxides, Production of. F. Daniels. 2,657,116, Oct. 27.
Nitromalonic esters, Production of. D. I. Weisblat and D. A. Lyttle. 2,644,838, July 7.
Nitroolefins, Preparation of. R. E. Benson. 2,656,395, Oct. 20.
Nitroso formyl tetrahydropteroic amino acids thereof. D. B. Cosulich. 2,631,150, Mar. 10.
Nitrotertiaryaminobenzonitriles. R. O. Clinton and S. C. Laskowski. 2,626,261, Jan. 20.
Nitrothienyl ketones. K. L. Kreuz and C. D. Hurd. 2,642,440, June 16.
Nitrous acid treatment for separating impurities from antipernicious anaemia active material. E. L. Smith and S. Ball. 2,630,401, Mar. 3.
Node former adjusting means for blind stitch sewing machines. C. W. Mueller and T. D. Taylor. 2,632,416, Mar. 24.
Noise compressor. M. A. Karpeles. 2,639,386, May 19.
Noise detection circuit. W. R. Young, Jr. 2,648,765, Aug. 11.
Noise detector, Electronic. W. F. Sanders. 2,633,741, Apr. 7.
Noise discriminating system. H. F. Olson and J. Preston. 2,645,684, July 14.
Noise limiter and silencer, Biased series-type. E. Toth. 2,638,540, May 12.
Noise limiting circuit. P. R. Bell, Jr. 2,646,502, July 21.
Noisemaking attachment for bicycles. A. Frew. 2,633,097, Mar. 31.
Noise squelch system for television receivers. K. Schlesinger. 2,632,800, Mar. 24.
Noise suppression device. D. R. de Boisblanc. 2,663,765, Dec. 22.
Noise suppressor, Electronic. S. B. Coleman. 2,638,501, May 12.
Nonagitating can handling apparatus. W. de Back. 2,629,482, Feb. 24.
Nonambiguous cycle matching system. W. Dean. 2,647,257, July 28.
Nonarcing interrupting switch. W. C. Gregory. 2,645,698, July 14.
Nonbendable yielding support vehicle splash-guards. J. Russell, J. L. Edmund, and S. A. Felker. 2,660,453, Nov. 24.
Nonblocking film of rubber hydrochloride, Making. D. R. Burton and H. W. Wilson. 2,643,202, June 23.
Nonbounce switch. W. A. Martin. 2,644,052, June 30.
Noncaking finely ground sulfur, Production of. R. E. Morningstar and G. H. Whipple. 2,629,133, Feb. 24.
Noncatalytic condensation of aromatic compounds with unsaturated organic compounds. H. Pines and V. N. Ipatieff. 2,663,724, Dec. 22.
Nonclog flow control device. J. Hirshstein. 2,627,610, Feb. 10.
Noncolloidal calcium carbonate, Producing. M. O. Schur and R. M. Levy. 2,631,922, Mar. 17.
Noncorrosive choline chloride composition. F. W. Schmitz. 2,647,927, Aug. 4.
Noncorrosive fire extinguishing composition. W. J. Maxey and H. L. Sanders. 2,624,706, Jan. 6.
Noncorrosive soluble oil containing active sulfur. A. J. Deutser and F. T. Crookshank. 2,626,240, Jan. 20.
Noncorrosive soluble oil containing active sulfur. A. J. Deutser and F. T. Crookshank. 2,655,478, Oct. 13.
Noncreeping metallic belt. F. R. Schmitt. 2,639,025, May 19.
Noncurling fabric. H. Ginzel. 2,635,323, Apr. 21.
Nondestructive investigation of magnetostrictive solids, Method and apparatus for. W. O. Cartier. 2,656,714, Oct. 27.
Nondiscoloring reclaim and preparation. G. L. Brown, T. A. Johnson and R. B. Knill. 2,640,035, May 26.
Nonelectrostatic synthetic resin material. J. A. Bjorksten and J. B. Eisen. 2,624,725, Jan. 6.
Nonferrous alloy. M. Gorschalki. 2,661,285, Dec. 1.
Nonfoggy moistureproof sheet. R. T. K. Cornwell. 2,639,241, May 19.
Nonfretting antifriction bearing. L. C. Brunstrum. 2,647,807, Aug. 4.

Nongelling aqueous silica sols stabilized with boron compounds. L. J. Clapsadle and M. G. Syracuse. 2,630,410, Mar. 3.
Noninductive electrical resistor. L. Kirby, Jr., and G. A. Erickson. 2,655,582, Oct. 13.
Nonlinear resonant flip-flop circuit. C. F. Spitzer and R. J. Reich. 2,653,254, Sept. 22.
Nonreflecting background for testing microwave equipment. L. K. Neher. 2,656,535, Oct. 20.
Nonregenerative catalytic reforming process. C. V. Berger and D. D. Hansen. 2,654,694, Oct. 6.
Nonscratching packing pad. G. A. Gerard. 2,657,158, Oct. 27.
Nonskid attachment. J. D. Anderson. 2,638,954, May 19.
Nonskid tire chain attachment. C. H. Reynolds. 2,625,976, Jan. 20.
Nonslip garment hanger. R. Wolf. 2,652,957, Sept. 22.
Nonspill powder container. M. C. Hamblet. 2,656,090, Oct. 20.
Nonspillable vent plug for storage batteries. O. G. Duncan. 2,660,611, Nov. 24.
Nontorque-equalizing differential transmission. O. R. Schoenrock. 2,651,215, Sept. 8.
Nonupsetting garbage can. C. L. Hutchisson, Jr., and J. D. Spaulding. 2,626,078, Jan. 20.
Nonwoven film coated fabric. R. H. Barnard. 2,637,673, May 5.
Nonwoven rayon fabric. A. W. Boese. 2,626,883, Jan. 27.
Normal and isopropyl methacrylate production. J. W. C. Crawford. 2,636,049, Apr. 21.
Nose block and stud element, Combined. D. I. Reiter. 2,635,739, Apr. 21.
Nose or eye drop package. L. I. Volckening. 2,658,613, Nov. 10.
Nose pad for ophthalmic mountings. G. E. Nerney. 2,629,284, Feb. 24.
Novel cyanoalkoxy silanes. K. C. Frisch and M. Wolf. 2,657,226, Oct. 27.
Novel N-(2-carboxyalkyl) succinimides, Preparation of. T. H. Shelley. 2,657,215, Oct. 27.
Novelty cap. J. T. Crowder. 2,648,847, Aug. 18.
Novelty device, Noisemaking. J. F. La John. 2,631,852, Mar. 17.
Novelty device, Wind-driven. W. Richmond. 2,646,644, July 28.
Nozzle. J. H. Couillette. 2,647,017, July 28.
Nozzle. C. D. Williams. 2,655,408, Oct. 13.
Nozzle. L. Lee, II. 2,660,474, Nov. 24.
Nozzle adjustment for suction cleaners. H. B. White. 2,658,227, Nov. 10.
Nozzle, Aerating. R. W. Hyde. 2,624,559, Jan. 6.
Nozzle adapter seat refacing device. F. A. Licciardello. 2,663,227, Dec. 22.
Nozzle and brush, Suction cleaner. R. B. McCarthy. 2,655,682, Oct. 20.
Nozzle and dilator, Enema. J. B. Brehm. 2,630,805, Mar. 10.
Nozzle and distributor head, Fire extinguishing. T. W. Burnam and G. D. Ramsay. 2,647,800, Aug. 4.
Nozzle and valve for aircraft, Underwing fueling. J. C. Carter. 2,653,832, Sept. 29.
Nozzle assembly for fire-fighting equipment. E. D. Ballard. 2,647,798, Aug. 4.
Nozzle assembly, Oscillating hydraulic. E. A. Norman. 2,635,007, Apr. 14.
Nozzle attachment. C. J. Maida. 2,653,747, Sept. 29.
Nozzle, Asymmetric adjustable supersonic. H. J. Allen. 2,657,575, Nov. 3.
Nozzle, Automatic shutoff liquid dispensing. A. J. Huisman. 2,661,136, Dec. 1.
Nozzle burner. J. K. Clark. 2,627,308, Feb. 3.
Nozzle casing for broom-type vacuum cleaners. G. M. Kelly and C. M. Leatherman. 2,626,418, Jan. 27.
Nozzle, Centrifugal liquid. W. L. Wilmes. 2,659,631, Nov. 17.
Nozzle, check valve, and strainer, Combination. F. D. Mahoney. 2,633,386, Mar. 31.
Nozzle clip for lamp sockets, Threaded. G. B. Benander. 2,652,548, Sept. 15.
Nozzle closure-contact ring assembly for rockets. B. T. Bogard. 2,645,999, July 21.
Nozzle construction. C. C. Vanderwall. 2,651,372, Sept. 8.
Nozzle construction for atomizing a liquid material by an atomizing gas. C. C. Walters. 2,645,527, July 14.
Nozzle, Cotton picker. M. A. Ramirez, Sr. 2,653,438, Sept. 29.
Nozzle device, Air. T. L. Thorsen. 2,645,528, July 14.
Nozzle device, Garden hose. L. C. Mitcham. 2,628,868, Feb. 17.
Nozzle, Dispensing. F. T. Moser. 2,651,270, Sept. 8.
Nozzle, Duplex. W. J. Purchas, Jr. 2,628,867, Feb. 17.
Nozzle, Duplex. W. J. Purchas, Jr., and E. Orent. Sept. 22.
Nozzle, Filling. R. Kennedy, Jr. 2,651,445, Sept. 8.
Nozzle, Flexible supersonic. H. J. Allen and R. N. Olson. 2,663,322, Dec. 22.
Nozzle for concrete mixers or the like, Valved water inlet. L. J. Sarosdy. 2,655,178, Oct. 13.
Nozzle for drill bits, Slush. J. C. Stokes. 2,634,953, Apr. 14.
Nozzle for extruding devices. F. S. Elsaesser. 2,635,561 Apr. 21.
Nozzle for fuel servicing system for aircraft. D. Samiran 2,649,109, Aug. 18.
Nozzle for gasoline dispensers, Flow control. F. H. Ainsworth. 2,627,418, Feb. 3.
Nozzle for high-temperature turbines, Variable area. B. O. Buckland and G. B. Warren. 2,651,496, Sept. 8.
Nozzle for jet engines, Adjustable discharge. J. J. Ambrose and J. Modrovsky. 2,635,419, Apr. 21.
Nozzle for jet engines, Variable area discharge. A. J. Smialowski. 2,658,333, Nov. 10.
Nozzle for making packaged sundaes. F. T. Moser 2,660,964, Dec. 1.
Nozzle for ram-jet engines, Compression. K. M. Nordfors 2,631,425, Mar. 17.
Nozzle for spraying buffing compounds, Spray gun. L. W. Smith. 2,658,312, Nov. 10.
Nozzle for the ejection of fluid streams. W. W. Spooner 2,650,131, Aug. 25.
Nozzle for ventilating stacks, Accelerator and diffusing B. Cones. 2,654,528, Oct. 6.
Nozzle, Fuel injection. K. J. De Juhasz. 2,627,254, Feb. 3
Nozzle having pivoted cleaning element, Vacuum cleaner C. E. Meyerhoefer. 2,659,098, Nov. 17.
Nozzle head. R. S. Calhoun. 2,651,547, Sept. 8.
Nozzle head element, Oil burner. I. M. Bither. 2,659,427 Nov. 17.
Nozzle, Hose. F. Wornall. 2,627,439, Feb. 3.
Nozzle, Injector. T. H. Nakken. 2,626,186, Jan. 20.
Nozzle, Insert. C. H. Carr. 2,644,720, July 7.
Nozzle, Jet engine variable area exhaust. C. R. Brown and W. H. Leedecke. 2,637,163, May 5.
Nozzle, Liquid fuel injection. E. S. Collinson. 2,658,800 Nov. 10.
Nozzle, Oil burner. B. Pieroni. 2,643,915, June 30.
Nozzle, Paint spraying. C. L. Lycan. 2,647,801, Aug. 4
Nozzle, Phosphorizing. J. R. Wyatt. 2,663,590, Dec. 22
Nozzle, Shower. K. W. Senior. 2,636,779, Apr. 28.
Nozzle, Spray. J. F. Campbell. 2,656,218, Oct. 20.
Nozzle, Spray. W. M. Cissell. 2,664,314, Dec. 29.
Nozzle, Spray. H. Hopper. 2,657,953, Nov. 3.
Nozzle, Spray. D. J. Peeps. 2,646,318-4, July 21.
Nozzle, Spray. C. E. Yost. 2,641,509, June 9.
Nozzle structure for elastic fluid turbines. A. L. English 2,631,005, Mar. 10.
Nozzle structure for suction cleaning apparatus. O. B. Sutton. 2,658,230, Nov. 10.
Nozzle structure, Gas turbine. A. Howard and C. J. Walker. 2,625,013, Jan. 13.
Nozzle system having means to inject air in response to low fuel pressure, Dual flow fuel. R. J. Thorpe and L. F. Cummings. 2,635,425, Apr. 21.
Nozzle, Suction dredge. J. M. Ragsdale. 2,643,471 June 30.
Nozzle, Vacuum cleaner. C. E. Meyerhoefer. 2,658,228 Nov. 10.
Nozzle, valve, and can top construction, Aerosol spray H. D. North, Jr. 2,626,834, Jan. 27.
Nozzle, Variable flow. W. Crook. 2,625,008, Jan. 13.
Nozzle, Viscosity compensating variable-area fuel. H. M. Fox. 2,661,243, Dec. 1.
Nozzle with metering device, Dispensing hose. H. G. Soar. 2,656,068, Oct. 20.
Nozzle with plural mouths for suction cleaners, Valved cleaning. L. E. Segesman. 2,649,610, Aug. 25.
Nozzle with removable wand and illuminating means, Suction. O. B. Sutton and W. A. Humphrey. 2,637,062 May 5.
Nuclear electrical generator. E. G. Linder. 2,661,431 Dec. 1.
Nuclear monohalogenated 1-hydroxy-4-β-fluoroalkylamino anthraquinone compounds and their preparation. J. B. Dickey. 2,624,746, Jan. 6.
Nuclear well logging. S. A. Scherbatskoy. 2,648,012 Aug. 4.
Null balance indicator. K. H. Barney. 2,632,886, Mar 24.
Null seeking system. J. Jarvis. 2,657,348, Oct. 27.
Number converter. R. A. Edwards. 2,657,856, Nov. 3.
Numbering machine, Rotary. E. Persson. 2,655,100 Oct. 13.
Numbers comparator, Binary. S. B. Woolard. 2,641,696 June 9.
Numeral punching machanism, Consecutive. A. G. Duff 2,640,538, June 2.
Nurser. F. E. Boston. 2,624,485, Jan. 6.
Nursery bottle holder. J. H. Chambers. 2,646,952 July 28.
Nursery chair. R. L. Wenkstern. 2,662,229, Dec. 15.
Nursery lamp. M. Duda. 2,638,530, May 12.
Nurse's bag. E. H. Higbee and L. G. Girton. 2,648,366 Aug. 11.
Nursing appliance. A. Wolf. 2,655,279, Oct. 13.
Nursing bottle holder. E. E. Groff. 2,648,513, Aug. 11
Nursing bottle holder. S. A. Wells. 2,639,111. May 19
Nursing bottle holder. G. S. White. 2,644,623, July 7
Nursing bottle support. W. Battle. 2,638,296, May 12
Nursing bottle support. L. B. Lathrop. 2,654,556 Oct. 6.
Nursing device. J. J. Horan. 2,628,906, Feb. 17.
Nursing nipple. E. J. Cronin. 2,655,920, Oct. 20.
Nursing unit assembling tool. T. R. Baxter. 2,643,449 June 30.

Nursing unit assembling tool. T. E. Piazze. 2,643,448, June 30.
Nut anchoring device. G. A. Tinnerman. 2,631,634, Mar. 17.
Nut and coupling, Saddle. M. C. Smith and O. G. Ely. 2,650,837, Sept. 1.
Nut and holder. E. L. Cederquist. 2,648,248, Aug. 11.
Nut and lock washer, Coupled. J. B. O'Connor. 2,648,368, Aug. 11.
Nut and deformable holder. V. Sharp. 2,649,883, Aug. 25.
Nut and retainer assembly. E. C. Crowther. 2,658,546, Nov. 10.
Nut cleaning and polishing machine. S. A. Pierce. 2,624,059, Jan. 6.
Nutcracker. J. C. Rumsey. 2,656,866, Oct. 27.
Nut cracker with slidably mounted crank lever. E. P. Kennedy. 2,646,831, July 28.
Nut-cracking machine. E. P. Kennedy. 2,640,519, June 2.
Nut-ejector type socket wrench. M. D. Heck. 2,627,775, Feb. 10.
Nut for stringed musical instruments. M. Maccaferri. 2,664,022, Dec. 29.
Nut-holding socket wrench. P. Hannah. 2,632,351, Mar. 24.
Nut piercing method. J. H. Friedman. 2,645,793, July 21.
Nut retainer device. H. J. Murphy. 2,635,666, Apr. 21.
Nut starter, Self-releasing. K. D. Clayson. 2,664,021, Dec. 29.
Nylon powder, Preparing finely divided. L. L. Stott and L. R. B. Hervey. 2,639,278, May 19.
O,O-dialkyl O-para nitrophenyl thiophosphate esters, Preparation of. M. N. Dvornikoff and E. J. Young. 2,663,721, Dec. 22.
O-(2-chloro-4-nitrophenyl) O,O-dimethyl thiophosphate. J. H. Fletcher. 2,664,437, Dec. 29.
Oar guard. P. Schaper. 2,655,669, Oct. 20.
Oar lock. C. O. Goserud. 2,657,401, Nov. 3.
Oats and making same, Puffed. J. M. Baer. 2,653,095, Sept. 22.
Object detection. W. Hausz. 2,653,309, Sept. 22.
Object detection system. R. H. Dicke. 2,624,876, Jan. 6.
Object ejecting apparatus, Cylindrical. F. H. Robertson. 2,646,786, July 28.
Object for display. G. C. Kindred. 2,648,151, Aug. 11.
Object locating identification system. L. Bess. 2,624,873, Jan. 6.
Object location apparatus with three-dimensional scalar representation. J. L. Peters and E. J. Isbister. 2,637,023, Apr. 28.
Object location relay system. E. M. Williams. 2,655,649, Oct. 13.
Object location system employing logarithmic transducer. D. E. Sunstein. 2,663,015, Dec. 15.
Objective comprising three lens members axially air separated from each other in optical alignment. L. Bertele. 2,661,660, Dec. 8.
Objective test device with universal scoring mask. T. G. and L. L. Thurstone. 2,656,619, Oct. 27.
Oblique rail joint. G. A. Standfast. 2,643,064, June 23.
Observing apparatus, particularly for observing objects moving in space. A. Gerber. 2,651,560, Sept. 8.
Obtaining a pyrotechnical composition. J. L. M. Frejaques. 2,626,861, Jan. 27.
Obtaining carotene from palm oil. P. Blaizot. 2,652,433, Sept. 15.
Obtaining cellular polymeric materials. W. J. Wayne. 2,628,945, Feb. 17.
Obtaining crystalline salts of streptomycins. L. J. Heuser. 2,643,249, June 23.
Obtaining dispersions of polyfluoroethylenes. K. L. Berry. 2,662,065, Dec. 8.
Obtaining dry chlorine gas from a gaseous mixture comprising elemental chlorine as a principal component thereof. C. L. Dunning. Re. 23,690, July 28.
Obtaining improved color fidelity in color television systems, Means and method for. P. J. Herbst. 2,654,798, Oct. 6.
Obtaining luster in cotton fabric by mercerizing and calendering the fabric. C. Fetscher. 2,646,341, July 21.
Obtaining purified phenols and cresols of petroleum origin. R. M. Alm. 2,635,120, Apr. 14.
Obtaining stereophonic sound. A. Holt - Sceland. 2,655,564, Oct. 13.
Obtaining the dispersion of a finely divided solid material in a liquid. M. H. M. Arnold. 2,637,534, May 5.
Obtaining volatile flavors. K. G. Dykstra and D. De Felice. 2,641,550, June 9.
Occupant carrying roundabout. N. Bartlett. 2,629,593, Feb. 24.
Octaalkylpyrophosphoramides, Manufacture of. H. Tolkmith. 2,654,782–3, Oct. 6.
Octenone, Preparation of an. W. Kimel. 2,638,484, May 12.
Ocular prosthesis. L. A. Morrell. 2,637,043, May 5.
Ocular tension indicator. C. P. Tolman. 2,656,715, Oct. 27.
Odometer, Hub. H. G. Engler. 2,638,274, May 12.
Odometer, Quick reset. H. H. Harada. 2,658,685, Nov. 10.
Odometer resetting mechanism. F. E. Miner and E. C. Murbach. 2,652,199, Sept. 15.
Odontalgic device. M. Negri. 2,642,065, June 16.
Odorant for gaseous fuels. H. B. Pollock. 2,625,518, Jan. 13.
Off-center lock. J. F. Grayson. 2,634,474, Apr. 14.
Off-peak electric water heating system. J. K. Ostrander. 2,660,657, Nov. 24.
Offset boring head. H. R. De Vlieg. 2,654,610, Oct. 6.
Offset damping of electrical measuring instruments. H. A. Bakke. 2,639,307, May 19.
Ohmmeter, Direct-reading low range. J. H. Miller. 2,648,820, Aug. 11.
Oil additive, Lubricating. J. H. Bartlett. 2,637,697, May 5.
Oil additives, Lubricating. R. S. Hawley. 2,632,735, Mar. 24.
Oil-base drilling fluids. P. G. Nahin. 2,637,692, May 5.
Oil burner. E. F. Ciglia. 2,647,567, Aug. 4.
Oil burner. W. C. Gillham and A. T. Hendrix. 2,653,767, Sept. 29.
Oil burner. C. T. Denker and J. R. Moore. 2,660,230, Nov. 24.
Oil burner. H. J. Haberstroh. 2,628,131, Feb. 10.
Oil burner. D. L. Newton. 2,655,209, Oct. 13.
Oil burner. R. R. Witherell. 2,658,567, Nov. 10.
Oil burner baffle system. K. S. Jenson and F. W. Suhr. 2,652,889, Sept. 22.
Oil burner carburetion. M. Sherman. 2,643,708, June 30.
Oil burner electrode gauge. W. G. Rowell. 2,656,615, Oct. 27.
Oil burner filter. W. V. Czarnecki, Jr., and C. M. Czarnecki. 2,631,892, Mar. 17.
Oil burner filter. W. V. Czarnecki, Jr. and C. M. Czarnecki. 2,664,312, Dec. 29.
Oil change indicator. L. L. Jones. 2,656,817, Oct. 27.
Oil changer. L. R. Simpson. 2,661,869, Dec. 8.
Oil circulation device. E. H. Mudersbach. 2,658,584, Nov. 10.
Oil cleaner for internal-combustion engines. W. A. Barton. 2,647,634, Aug. 4.
Oil compositions. C. C. Towne. 2,662,055, Dec. 8.
Oil control means for poppet valve internal-combustion engines. R. L. Skinner. 2,639,703, May 26.
Oil-control means for slide valve internal-combustion engines. R. L. Skinner. 2,641,241, June 9.
Oil cooler protective means. W. D. Teague, Jr. 2,647,730, Aug. 4.
Oil deflecting means. L. W. Randt. 2,633,208, Mar. 31.
Oil decolorization method. P. B. Weisz. 2,647,858, Aug. 4.
Oil, Diesel fuel. M. R. Barusch and R. Y. Mixer. 2,655,440, Oct. 13.
Oil discharge passage arrangement for high-speed bearings. S. P. Brickett. 2,650,671, Sept. 1.
Oil dropper with bracket for attachment to food mixers. W. Van Guilder. 2,650,741, Sept. 1.
Oil fill and vent wall fitting, Combination. C. M. Preisinger and J. E. Svabek, Jr. 2,629,510, Feb. 24.
Oil filling and breather pipe means for internal-combustion engines. W. B. Lang. 2,644,430, July 7.
Oil filling nozzle and coupling. V. J. Quinlan. 2,624,598, Jan. 6.
Oil filter. H. M. Bickle. 2,636,610, Apr. 28.
Oil filter. T. S. Lasky. 2,660,314–15, Nov. 24.
Oil filter. J. M. Launder. 2,657,807, Nov. 3.
Oil filter. D. A. Macro. 2,626,056, Jan. 20.
Oil filter. C. J. Rood. 2,633,244, Mar. 31.
Oil filter and pressure regulation systems for engines. J. P. Kovacs. 2,630,783, May 26.
Oil filter for diesel locomotive engines. M. L. Clabaugh. 2,626,057, Jan. 20.
Oil flow control for dry sump pumps. R. L. Dills. 2,645,102, July 14.
Oil gas and water gas, Making. R. T. Collier. 2,634,197, Apr. 7.
Oil gas process and apparatus. P. L. Born. 2,663,625, Dec. 22.
Oil gauge rod wiper. T. D. Clark. 2,634,445, Apr. 14.
Oil gauge rod wiper. P. L. McCluskey. 2,650,384, Sept 1.
Oil gauge wiper. J. Klein. 2,659,922, Nov. 24.
Oil-in-water emulsion textile printing extender pastes. L. Auer. 2,637,705, May 5.
Oil level equalizing device for multiple compressor arrangement. E. P. Kellie. 2,646,212, July 21.
Oil modified alkyd resins from degummed soybean oil and mono-pentaerythritol. P. E. Marling and A. R. Hempel. 2,637,707, May 5.
Oil pan assembly, Removable. R. E. Morgan. 2,661,255, Dec. 1.
Oil reclaimer for internal-combustion engines. W. C. Schwalge. 2,635,759, Apr. 21.
Oil pot for vertical-shaft machine. R. A. Baudry and G. E. Peterson. 2,626,192, Jan. 20.
Oil recovery process. R. L. Smith and K. M. Watson. 2,642,943, June 23.
Oil recovery stand. O. K. Lyon. 2,643,030, June 23.
Oil removal system for refrigeration apparatus. A. W. Ruff. 2,655,794, Oct. 20.
Oil remover or wiper with built-in oil catching receptacle. S. Friedman. 2,632,906, Mar. 31.
Oil retainer for gloves or mitts. R. F. Wheeler. 2,662,225, Dec. 15.

Oil seal. D. A. Boyd. 2,626,822, Jan. 27.
Oil seal. W. O. McIntyre and H. V. Lundquist. 2,634,141, Apr. 7.
Oil seal construction. J. H. Victor. 2,646,295, July 21.
Oil seal means or the like. O. Brummer. 2,647,002, July 18.
Oil seal, Self-contained. R. O. Isenbarger. 2,645,507, July 14.
Oilseed flakes, Production of. A. L. Ayers and C. R. Scott. 2,645,650, July 14.
Oil separator. H. L. Johnson. 2,644,584, July 7.
Oil separator. E. P. Worthen and C. S. L. Robinson. 2,651,415, Sept. 8.
Oil separator and pressure regulating device for aircraft ice eliminating systems. D. M. Lawrence. 2,663,522, Dec. 22.
Oil-shale eduction apparatus. C. H. O. Berg. 2,640,019, May 26.
Oil-shale eduction process and apparatus. C. H. O. Berg. 2,640,014, May 26.
Oil-soluble petroleum sulfonates. W. Krönig, H. Seeles, and H. Burmeister. 2,650,198, Aug. 25.
Oil solutions of high molecular weight polymers, Process and apparatus for preparing. H. H. Vickers and S. E. Jaros. 2,639,275, May 19.
Oil tank. A. F. Fino and F. L. Plummer. 2,624,490, Jan. 6.
Oil tank water drainer. F Henigman. 2,626,054, Jan. 20.
Oiltight switchboard pilot light. A. B. Johnson, Jr. 2,640,189, May 26.
Oil tool. L. S. Sorensen. 2,650,664, Sept. 1.
Oil trap for vacuum lines of wells. P. M. Rider. 2,658,581, Nov. 10.
Oil treating apparatus having settling tank heating means. E. R. Williams. 2,658,025, Nov. 3.
Oil, Watch. J. S. Martin, Jr. 2,636,005, Apr. 21.
Oil well contamination removing tool. J. W. Hodges. 2,652,120, Sept. 15.
Oil well finishing tool. D. O. Rollins. 2,636,563, Apr. 28.
Oil well hanger. R. A. Mueller and R. L. Crain. 2,624,413, Jan. 6.
Oil well heater. C. S. Ackley. 2,632,836, Mar. 24.
Oil well hydrostatic cleanout bailer, Combination. A. L. Simmons. 2,649,917, Aug. 25.
Oil well jar, Longitudinally striking. C. M. Howard. 2,634,102, Apr. 7.
Oil well orientation device. F. G. Boucher. 2,632,959, Mar. 31.
Oil well orienting apparatus. A. B. Hildebrandt. 2,648,141, Aug. 11.
Oil well packer. J. Rockoff. 2,661,064, Dec. 1.
Oil well pump cleaner. R. H. Reese. 2,639,674, May 26.
Oil well survey instrument. J. C. Hewitt, Jr. 2,656,616, Oct. 27.
Oil well tool. J. Lynes. 2,643,723, June 30.
Oiler, Automatic bearing. T. M. Kuehn. 2,633,209, Mar. 31.
Oiler, Cattle and hog. W. J. Stonesifer. 2,663,284, Dec. 22.
Oiler, Cylinder top. R. K. Chase. 2,640,475, June 2.
Oiler, Multiple. F. J. Lyden. 2,646,856, July 28.
Oiler, Strip stock. R. S. Watterson, Jr. 2,633,822, Apr. 7.
Oiler, Watch. H. R. Kollmeyer. 2,643,801, June 30.
Oiler, Watch. W. T. Linder. 2,656,070, Oct. 20.
Oils having drying properties, Production of. E. M. Geiser. 2,624,717, Jan. 6.
Ointment, Chloramide skin protecting. M. B. Sulzberger, A. Kanof, and R. L. Baer. 2,630,399, Mar. 3.
Olefin-cyclodiene-divinylbenzene tripolymer and preparation thereof. W. J. Sparks and R. M. Thomas. 2,626,940, Jan. 27.
Olefin-diolefin resin, Modified. W. J. Sparks, D. W. Young, and J. D. Garber. 2,634,256, Apr. 7.
Olefin oxides, Preparation of. J. F. Skelly. 2,649,463, Aug. 18.
Olefin oxides, Preparation of. F. W. Sullivan, Jr. 2,628,965, Feb. 17.
Olefin polymerization catalyst and its preparation. E. S. Corner and C. S. Lynch. 2,642,402, June 16.
Olefin sulfitation process. W. A. Fessler. 2,653,970, Sept. 29.
Olefin-vinyl acetate copolymers and vinyl resins plasticized therewith. W. A. Denison and W. N. Stoops. 2,657,188, Oct. 27.
Olefinic hydrocarbons and recycle acid catalyst for absorption prior to alkylation, Preparing. D. H. Putney. 2,649,486, Aug. 18.
Olefinic hydrocarbons, Production of. P. J. Garner and S. E. Miles. 2,642,466, June 16.
Olefinic interpolymers and making same. C. I. Parrish. 2,628,955, Feb. 17.
Olefinic tetraesters of bis(phosphonoalkyl) ethers and their polymers. D. Harman and A. R. Stiles. 2,632,756, Mar. 24.
Olefins by dechlorination of alkyl chlorides, Production of. N. Geiser and H. Kolling. 2,658,090, Nov. 3.
Oleo-pneumatic suspension system for automobiles and like vehicles. R. L. Levy. 2,653,021, Sept. 22.
1-alkenyl-5-alkyl-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones and derivatives thereof. V. Papesch. 2,650,923, Sept. 1.
1-alkyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline compounds. P. N. Craig and F. P. Nabenhauer. 2,663,709, Dec. 22.
1-alkyl-2 or 4-[(N-alkyl-N-β-dialkylaminoalkyl)aminophenethyl]-piperidines and salts thereof. J. Finkelstein and J. Lee. 2,626,948, Jan. 27.
1-alkyl-2-phenethyl-6-substituted-cyclohexanone-3-compounds and preparing same. J. A. Hogg. 2,628,248, Feb. 10.
1-amino-4-hydroxyanthraquinone, Manufacture of. V. Weinmayr. 2,653,954, Sept. 29.
1-amino-2-alkyl-mercapto-4 hydroxy-anthraquinones, Preparation of. G. W. Seymour and V. S. Salvin. 2,640,061, May 26.
1-amino-2-hydroxyalkyl mercapto-4-hydroxy anthraquinone dyestuffs. G. W. Seymour and V. S. Salvin. 2,640,062, May 26.
1-benzyl-5,6,7,8-tetrahydroisoquinoline and derivatives thereof. R. Grewe. 2,638,472, May 12.
1-benzyl-5,6,7,8-tetrahydroisoquinoline, Preparation of. H. Henecka. 2,651,634, Sept. 8.
1-benzyl-hexahydroisoquinolines and preparation thereof. J. Hellerbach. 2,634,272, Apr. 7.
1-benzyl-1,2,3,4,5,6,7,8-octahydroisoquinolines and their production. J. Hellerbach. 2,634,273, Apr. 7.
1-benzyl-1:2:3:4:5:6:7:8-octahydro-isoquinoline, Preparation of. H. Henecka. 2,651,635, Sept. 8.
1-benzyl-2,3,5,6,7,8-hexahydroisoquinolone-3 and the preparation thereof. H. Henecka. 2,651,637, Sept. 8.
1-benzyloxy-2-alkylaminoindanes. R. V. Heinzelmann. 2,625,567, Jan. 13.
1-β-naphthyl-1-aminoethane salt of penicillin. H. W. Rhodehamel, Jr. 2,654,748, Oct. 6.
1-carbalkoxy-4-substituted piperazines. R. J. Turner and H. W. Stewart. Re. 23,702, Aug. 18.
1-cyclohexyl-3, 3-dialkylureas and their use as herbicides. N. E. Searle. 2,661,272, Dec. 1.
1-dimethylamino-4-chloro-4-phenylbutane salt of penicillin. H. W. Rhodehamel, Jr. 2,654,746, Oct. 6.
1-(di-n-butylaminoalkylamino)-4-methylthiaxanthones and synthesis thereof. S. Archer. 2,653,949, Sept. 29.
1,8-diamino-p-menthane, Preparing. N. M. Bortnick. 2,632,022, Mar. 17.
1,8-dihydroxy-5-nitro-4-hydroxyethylphenyl aminoanthraquinone compounds. J. M. Straley and J. B. Dickey. 2,641,602, June 9.
1,8-dihydroxy-5-nitro-4-methylolanilinoanthraquinone compounds and their preparation. J. M. Straley and J. B. Dickey. 2,651,641, Sept. 8.
1,5-dihydroxy-8-halo-4-aminoanthraquinone compounds. J. B. Dickey and E. B. Towne. 2,659,740, Nov. 17.
1,4-dialkyl-2-ketopiperazines, Preparation of. J. S. Strong, W. E. Craig, and V. T. Elkind. 2,649,450, Aug. 18.
1,4-diamino-2,3-anthraquinone-dicarboximides. J. F. Laucius and S. B. Speck. 2,628,963, Feb. 17.
1,4-dibromo-2,2,3,3-tetrachlorobutane. G. Calingaert. 2,661,379, Dec. 1.
1,4-dicyano-2-butene, producing. G. C. Bassler. 2,646,443, July 21.
1,4-dioxo-5-(nitrophenyl)-1,4,4a,5,8,8a-hexahydronaphthalenes. M. W. Goldberg and W. E. Scott. 2,626,960, Jan. 27.
1,4-quinoxaline-di-N-Oxides. J. K. Landquist and G. J. Stacey. 2,626,259, Jan. 20.
1-glycosido-5,6 dimethyl benzimidazoles and process therefor. F. W. Holly, C. H. Shunk, J. J. Cahill, and K. Folkers. 2,644,817, July 7.
One-half wave length resonant explosion gas unit. J. H. Anderson and G. Farnell. 2,627,163, Feb. 3.
1-(hydroxyalkylaminoalkylamino)-4-methylthiaxanthones and preparation thereof. S. Archer. 2,653,950, Sept. 29.
1-(hydroxyalkylaminoalkylamino)-4-methylxanthones and their preparation. S. Archer. 2,031,154, Mar. 10.
1-hydroxy-4-β-cyanopropylaminoanthraquinone and preparing same. J. B. Dickey. 2,659,739, Nov. 17.
1-keto-8RO-1,2,3,4,4a,5,6,10b,11,12,12a dodecahydrochrysenes. W. S. Johnson and D. K. Banerjee. 2,648,679, Aug. 11.
1-keto-3-butyl-4-hydroxy-1,2,3,4-tetrahydroisoquinoline. G. E. Ullyot. 2,642,431, June 16.
1-methylpiperidylmethanols, Preparation of. R. F. Feldkamp. 2,657,211, Oct. 27.
1-nitroanthraquinone-3-carboxylic acid and producing it. O. Schlichting, E. Jutz and W. Rohland. 2,659,738, Nov. 17.
1,1-difluoroethylfluosulfonates and preparing them. J. D. Calfee and P. A. Florio. 2,628,972, Feb. 17.
1,1-disubstitution products of 2-tetralones. M. D. Soffer. 2,644,836, July 7.
1,1,6,6-tetrachloro-1,5-hexadiene. E. C. Ladd and H. Sargent. 2,658,929, Nov. 10.
1,1,3-trichloro-3,3-difluoropropene. R. P. Ruh. 2,628,988, Feb. 17.
1,1,2-trimethyl-propen-2-YL 3-oxobutanoate and its preparation. W. Kimel. 2,658,911, Nov. 10.
1-p-chlorophenyl-2-phenyl-4-(N-pyrrolidino)-butenes. J. Mills. 2,655,509, Oct. 13.
1-p-nitrophenyl-2-dichloroacetamidopropane-1,3-diol, Preparation of. H. R. Gamrath and W. S. Knowles. 2,651,661, Sept. 8.

1-phenyl-2 (methyl-camphosulfonyl) amino propanols. J. H. T. Ledrut. 2,640,076, May 26.
1 - phenyl - 2,3 - dimethyl - 4 - amino - 5 - pyrazolone - N - phosphoric acid dialkyl-esters. E. Tonutti, W. Schoeller, and J. Jónás. 2,662,894, Dec. 15.
One-piece covered container. F. W. Broderick. 2,637,482, May 5.
One-piece fabric foot protector. M. G. Luchs. 2,628,438, Feb. 17.
One-piece fiber board shipping container. S. P. Belsinger. 2,635,802, Apr. 21.
One-piece forged steel railway journal box. G. A. Reifsnyder. 2,640,737, June 2.
One-piece roller bearing cage. L. R. Lovell and J. E. West, Jr. 2,657,106, Oct. 27.
1-piperazyl-4-methylthioxanthones and preparing same. S. Kushner. 2,656,357, Oct. 20.
1-pyrrolidyl esters. E. H. Woodruff. 2,655,511, Oct. 13.
One revolution clutch. J. R. Brougher. 2,626,028, Jan. 20.
One revolution high-speed cylinder printing press. A. Buttner. 2,645,175, July 14.
1-substituted-4-aminopiperazines and preparing the same. E. A. Conroy. 2,663,706, Dec. 22.
1-(tertiary-aminoalkylamino)acridones and their preparation. S. Archer. 2,647,901, Aug. 4.
1,3-bis(o-ethylphenyl) guanidine. D. J. Beaver. 2,633,474, Mar. 31.
1,3-dichloro-2,3,3-trifluoropropene. R. P. Ruh. 2,628,987, Feb. 17.
1,3-dioxolane derivatives and preparing the same. L. E. Tenenbaum and J. V. Scudi. 2,636,884, Apr. 28.
1,3,3-trichloroallyl chloroacetate, Making. E. W. Gluesenkamp and T. M. Patrick, Jr. 2,630,453, Mar. 3.
1[2-(alkylsulfonyl)ethyl] pyridinium halides and their use as herbicides. J. K. Fincke. 2,657,988, Nov. 3.
1 -(2-diethylaminoethylamino)- 4,7 - dimethylthiaxanthone, acid addition salts thereof and preparation of these compounds. S. Archer. 2,653,951, Sept. 29.
1,2-diphenyl-2-(4-methylpiperidino) ethanol salt of penicillin. H. W. Rhodehamel, Jr. 2,654,745, Oct. 6.
1,2,5,6-tetrachloro-1,5-cyclooctadiene. K. C. Eberly and R. J. Reid. 2,626,961, Jan. 27.
1-(2-N-piperidinoethylamino)-4-methylthiaxanthones and their preparation. S. Archer. 2,627,518, Feb. 3.
1,2,3,4-tetrahydrophenanthrenes, Preparing. W. S. Johnson and D. L. Turner. 2,658,910, Nov. 10.
1,2,3,10b-tetrahydrofluoranthene-10b-carboxylic acid.. E. Steinberg. 2,652,417, Sept. 15.
1,2,2,3,3,4-hexachlorobutane. P. A. Wiseman. 2,626,965, Jan. 27.
One-way clutch. A. Y. Dodge. 2,630,896, Mar. 10.
One-way clutch. O. V. Payne. 2,664,183, Dec. 29.
Onion harvester machine. H. Tateyama. 2,625,781, Jan. 20.
Onion trimming machine. A. L. Dufour. 2,651,344, Sept. 8.
Opacifying the surface of glass articles. S. D. Stookey. 2,651,146, Sept. 8.
Open end ratchet wrench. C. L. McComb. 2,630,037, Mar. 3.
Open end ratchet wrench. W. A. Wood. 2,636,411, Apr. 28.
Open-end wrench. G. W. Wilder. 2,652,735, Sept. 22.
Open front refrigerated cabinet. P. H. Brinkoeter. 2,637,982, May 12.
Open hearth furnace. J. H. Chesters. 2,662,761, Dec. 15.
Open locking plate lifting clamp. J. C. Renfroe. 2,654,631, Oct. 6.
Open telegraph line indicator. F. H. Hanley. 2,625,608, Jan. 13.
Open-top refrigerated display case. G. K. Bently. 2,626,508, Jan. 27.
Open-top refrigerated display case. G. K. Bently. 2,635,434, Apr. 21.
Open wire transmission line. D. C. Alexander. 2,648,720, Aug. 11.
Opener: *See*—
Container opener.
Opener and receptacle, Can. R. L. Tuve and E. J. Jablonski. 2,654,507, Oct. 6.
Opener and handle, Combined can. F. W. Wormelle, Jr. 2,639,502, May 26.
Opener and household utility, Can. L. M. Westerhouse. 2,661,527, Dec. 8.
Opener and sealer, Can. C. N. Anderson, C. J. Dennen, and W. A. Graeffinger. 2,631,366, Mar. 17.
Opener, Bag. H. V. Kindseth. 2,654,519, Oct. 6.
Opener, Cabinet model can. W. E. Moore. 2,649,347, Aug. 18.
Opener, Can. H. A. Berkman. 2,640,257, June 2.
Opener, Can. A. E. Bove. 2,632,240, Mar. 24.
Opener, Can. G. H. Coplen. 2,661,528, Dec. 8.
Opener, Can. J. H. Crews. 2,628,421, Feb. 17.
Opener, Can. E. W. Curtis. 2,651,838, Sept. 15.
Opener, Can. D. Farandatos. 2,633,634, Apr. 7.
Opener, Can. D. Farandatos. 2,636,259–60, Apr. 28.
Opener, Can. M. J. La Forte. 2,662,280, Dec. 15.
Opener, Can. W. J. and C. T. Fortune. 2,663,077, Dec. 22.
Opener, Can. W. J. Landry. 2,647,306, Aug. 4.
Opener, Can. E. Mayo and H. F. Goon. 2,638,666, May 19.
Opener, Can. R. E. McLean. 2,643,451, June 30.
Opener, Can. R. E. McLean. 2,648,897, Aug. 18.
Opener, Can. A. E. Nelson. 2,637,897, May 12.
Opener, Can. J. L. Saulsberry. 2,631,364, Mar. 17.
Opener, Can. F. G. Seemuller. 2,642,203, June 16.
Opener, Can. H. I. Stiller. 2,634,883, Apr. 14.
Opener, Can. W. T. Tanking, Jr. 2,648,128, Aug. 11.
Opener, Can. L. I. Yeomans. 2,628,422, Feb. 17.
Opener, Envelope. S. E. Calhoun and H. F. Miller. 2,635,694, Apr. 21.
Opener, Envelope. S. O. Ohlsson. 2,647,313, Aug. 4.
Opener for cartons, Flap. A. W. and E. E. Lippmann. 2,637,958, May 12.
Opener-handle combination, Can. G. W. Anderson. 2,648,900, Aug. 18.
Opener, Letter. H. B. Hedrick. 2,649,656, Aug. 25.
Opener, Nut. A. N. Nelson. 2,653,638, Sept. 29.
Opener, Power-driven can. J. M. Karwacki. 2,662,278, Dec. 15.
Opener, Retractable furrow. S. D. Pool and E. M. Van Buskirk. 2,660,939, Dec. 1.
Opener, Rotary drive wheel type can. R. E. McLean. 2,644,228, July 7.
Opener with resilient can bead gripping member, Can. C. D. Tuccori. 2,632,946, Mar. 31.
Opening and cleaning poultry gizzards. G. R. Biddinger and C. H. Koonz. 2,657,424, Nov. 3.
Opening and detwisting tubular fabric, Means for. J. B. Lasley. 2,652,615, Sept. 22.
Operating bar receiving head for shaft of gate operating mechanism for railway cars. G. B. Dorey. 2,628,575, Feb. 17.
Operating controls for hot water tanks or urns. F. Audino. 2,629,551, Feb. 24.
Operating device for hookless or slide fasteners. L. I. Scheidorfer. 2,663,588, Dec. 22.
Operating device for the charging valves of gas producers. G. Chaplin. 2,628,728, Feb. 17.
Operating engines at high altitudes, Process and apparatus for. H. L. Thwaites and B. B. Russell, 3d 2,651,173, Sept. 8.
Operating hatch-covers aboard ship, Means for. H. Kummerman. 2,640,454, June 2.
Operating jet engines with fuel reforming. D. E. Carr. 2,655,786, Oct. 20.
Operating jet propulsion motors. T. F. Doumani and C. S. Coe. 2,645,079, July 14.
Operating mechanism for compressible sealing closures for hoppers. R. E. Heltzel. 2,663,466, Dec. 22.
Operating mechanism for domestic ironing machines and the like. J. F. Young. 2,654,166, Oct. 6.
Operating mechanism for high voltage electric circuit interrupting devices. S. I. Lindell. 2,638,003, May 12.
Operating mechanism for motor vehicles. F. K. H. Nallinger. 2,657,778, Nov. 3.
Operating mechanism for multiple sash windows. E. F. Wiley. 2,639,475, May 26.
Operating mechanism for sliding gates for hoppers of hopper type cars. G. B. Dorey. 2,628,573, Feb. 17.
Operating soaking pits. F. C. McGough. 2,656,172, Oct. 20.
Operation control means for calculating machines. H. Gang. 2,636,677, Apr. 28.
Operation of combustion motors by hydrazine. L. Mikuláček and M. Strnad. 2,648,317, Aug. 11.
Operation of vertical shaft furnaces. F. P. Somogyi. 2,654,594, Oct. 6.
Operation of X-ray tubes. V. Quittner. 2,659,016, Nov. 10.
Operation procedure for gas lifts. W. W. Weinrich. 2,649,340, Aug. 18.
Operator for jalousies and Venetian windows. L. O. Conner. 2,630,318, Mar. 3.
Operator for multiple valve assemblies, Selective type. I. P. Pedrick. 2,628,637, Feb. 17.
Ophthalmic instrument. C. A. Ellis. 2,663,219, Dec. 22.
Ophthalmic mounting. J. A. Martin. 2,653,513, Sept. 29.
Ophthalmic mounting. W. S. Muncy. 2,640,390, June 2.
Ophthalmic mounting. F. I. Miner and F. W. Lindblom. 2,643,580, June 30.
Ophthalmic mounting. E. M. Splaine. 2,627,783, Feb. 10.
Ophthalmic mounting. E. M. Splaine. 2,629,196, Feb. 24.
Ophthalmic mounting. E. M. Splaine. 2,653,514, Sept. 29.
Ophthalmoscope. M. V. Vannas. 2,633,122, Mar. 31.
Optical and other precision elements and the products thereof, Method and means for producing. F. H. Owens. 2,635,289, Apr. 21.
Optical apparatus for measuring temperature. W. J. Morrow. 2,652,743, Sept. 22.
Optical comparison gauge. J. E. McMullen. 2,630,631, Mar. 10.
Optical device for correlating observer reading arousal valves. E. L. Ranseen. 2,663,218, Dec. 22.
Optical device for golf instruction. R. S. Douglass. 2,663,021, Dec. 22.
Optical feed-back densitometer. M. H. Sweet. 2,649,834, Aug. 25.
Optical image dissecting apparatus. B. O'Brien. 2,627,199, Feb. 3.
Optical log system. R. L. Stone. 2,637,557, May 5.
Optical objective comprising six lenses grouped into three air spaced components. L. J. Bertele. 2,663,221, Dec. 22.

Optical objective of the telephoto type. G. H. Cook. 2,660,095, Nov. 24.
Optical objective of variable focal length. G. H. Cook. 2,649,025, Aug. 18.
Optical objective, Reflecting. W. M. Wreathall. 2,640,393, June 2.
Optical objective, Three convergent component. W. M. Wreathall. 2,638,034, May 12.
Optical operation control device. P. H. Allen and B. J. Chromy. 2,651,463, Sept. 8.
Optical plummet. A. L. Baker. 2,633,050, Mar. 31.
Optical projecting comparator. J. H. Waddell. 2,627,780, Feb. 10.
Optical projection display system. C. W. Miller. 2,639,421, May 19.
Optical projection leveling device. T. Castiglia. 2,661,653, Dec. 8.
Optical pyrometer. R. Hase. 2,642,772, June 23.
Optical record reading device. H. P. Luhn. 2,641,714, June 9.
Optical reflecting and converging mirror device, Image forming. R. A. Oetjen. 2,628,533, Feb. 17.
Optical sighting device. H. Armstrong. 2,655,076, Oct. 13.
Optical summation and decimal structures. P. H. Allen and B. J. Chromy. 2,643,822, June 30.
Optical system. A. J. Kavanagh. 2,662,187, Dec. 8.
Optical system for binocular viewing devices. J. R. Miles. 2,658,422, Nov. 10.
Optical system for image intensifiers. W. W. Eitel, Jr. 2,648,776, Aug. 11.
Optical system for increasing the working distances of microscope objectives. J. Dyson. 2,661,658, Dec. 8.
Optical system for X-ray screen image intensifiers. R. L. Longini. 2,631,244, Mar. 10.
Optical system, Modified Schmidt-type. L. P. Raitiere. 2,664,027, Dec. 29.
Optical system, Variable magnification. H. H. Hopkins. 2,663,223, Dec. 22.
Optical thickness gauge. A. Strickler and J. H. Teeple. 2,655,073, Oct. 13.
Optical torque measuring system. D. H. Rank. 2,629,256, Feb. 24.
Optical viewer. J. A. Cole. 2,656,758, Oct. 27.
Optical viewing device for night driving. J. M. Cesar. 2,654,286, Oct. 6.
Optically aligning motion-picture projectors, Means for. W. C. Ricord, Sr. 2,639,513, May 26.
Optically glass-like material. L. Merker and L. E. Lynd. 2,628,156, Feb. 10.
Optically true support for photographic film, copy, or other material. B. R. Halpern. 2,645,153, July 14.
Optimum temper moisture determination in foundry sand. W. H. Moore. 2,637,212, May 5.
Orbital movement dasher. J. A. Castricone. 2,636,374, Apr. 28.
Orchard ladder with adjustable platform and fruit receiving means. H. Tidwell. 2,656,968, Oct. 27.
Order board. T. C. Griffin. 2,630,335, Mar. 3.
Order board. T. C. Griffin. 2,637,570, May 5.
Order board. T. C. Griffin. 2,664,302, Dec. 29.
Order indicator. J. W. Major. 2,641,073, June 9.
Ordinally-selective key-responsive cycle initiating mechanism. D. P. Brubaker and F. E. Woodley. 2,654,539, Oct. 6.
Ore pulp concentrator. G. G. Chisholm. 2,655,263, Oct. 13.
Ore stratifying and concentrating means. R. Sparks. 2,661,843, Dec. 8.
Ore treating furnace. C. W. Sisco. 2,646,900, July 28.
Organ, Electronic. R. W. Chick. 2,636,989, Apr. 28.
Organ stop control. F. M. Schmidt. 2,639,639, May 26.
Organic acid esters of cellulose, Production of. B. B. White and P. Blackman. 2,627,515, Feb. 3.
Organic acid-polyamine adducts. H. J. Sommer, T. B. Albin, and P. H. Williams. 2,636,028, Apr. 21.
Organic ammonium hydrosulfide-hydrogen sulfide reaction products and producing the same. D. E. Adelson. 2,654,733, Oct. 6.
Organic antimony derivatives of polyhydroxy alkanoic or alkanedioic acids and their preparation. S. Archer and R. K. Bair. 2,647,910, Aug. 4.
Organic arsenical compounds. E. Urbschat. 2,644,005, June 30.
Organic arseno polysulfides. R. M. Kary. 2,646,440, July 21.
Organic carbonate, Making. C. A. Heiberger. 2,648,607, Aug. 11.
Organic compounds, Making. R. L. Logan. 2,625,558, Jan. 13.
Organic compounds of titanium. C. O. Bostwick. 2,643,262, June 23.
Orientable condensation polymers of hydroxypivalic acid and preparing them. T. Alderson. 2,658,055, Nov. 3.
Organic derivatives of phosphonic acids and preparing the same. H. Z. Lecher and E. Kuh. 2,654,738, Oct. 6.
Organic derivatives of tetravalent tin. W. E. Leistner and A. C. Hecker. 2,641,596, June 9.
Organic driers in organic film forming compositions. C. A. Coffey, R. T. Ryan, and L. N. Whitehill. 2,631,944, Mar. 17.
Organic esters, Preparation of. E. F. Hill. 2,663,720, Dec. 22.
Organic hydroperoxides, Preparation of. E. R. Bell and W. E. Vaughan. 2,630,456, Mar. 3.
Organic isocyanates, Preparing. M. D. Hurwitz and R. W. Auten. 2,640,846, June 2.
Organic material and making same, Puffed. J. M. Baer. 2,653,093, Sept. 22.
Organic nitrogen-containing compounds, Manufacture of. I. Heilbron, A. H. Cook, and A. L. Levy. 2,638,467, May 12.
Organic peroxide and hydroperoxide herbicides. L. D. Goodhue and C. E. Tissot. 2,657,125, Oct. 27.
Organic phosphorus compounds, and in particular, of dialkyl phosphites, Preparation of. M. L. Ernsberger and J. W. Hill. 2,661,364, Dec. 1.
Organic solvent gels. D. E. Floyd. 2,662,968, Dec. 8.
Organic solvent soluble allyl starch, Producing. E. A. Talley and E. Yanovsky. 2,635,099, Apr. 14.
Organic sulfates, Preparation of. R. F. Neighbors. 2,649,469, Aug. 18.
Organic sulfide compositions and method of making and using. E. E. Gilbert. 2,629,742, Feb. 24.
Organic sulfonyl hydrazides, Production of. N. K. Sundholm. 2,640,853, June 2.
Organic thiocyanate herbicides. D. T. Mowry and A. H. Schlesinger. 2,642,353, June 16.
Organization for feeding heavy sheets, plates, and the like onto a conveyer. W. M. Corbitt and E. C. Wenning. 2,638,234, May 12.
Organoalkoxysilanes. J. L. Speier. 2,626,272, Jan. 20.
Organochlorosilanes, Preparation of. A. J. Barry and J. W. Gilkey. 2,628,243, Feb. 10.
Organo diphosphine oxides and sulfides. R. C. Morris and J. L. Van Winkle. 2,642,461, June 16.
Organohalogenosilanes, Preparing. W. L. Walton. 2,636,895, Apr. 28.
Organohalosilanes, Production of. A. J. Barry, D. E. Hook, and L. De Pree. 2,626,271, Jan. 20.
Organometallic compounds. E. A. H. Friedheim. 2,662,079, Dec. 8.
Organometallic compounds by reaction between dry diazonium compounds and metallic salts in organic solvents, Preparation of. G. O. Doak and L. D. Freedman. 2,653,160, Sept. 22.
Organopolysiloxanes of improved adhesion containing peroxides. R. Smith-Johannsen and C. S. Oliver. 2,639,276, May 19.
Organosilanes, Production of. S. Nitzsche, E. Wiberg, and A. Hertwig. 2,640,065, May 26.
Organosilicon compositions. H. A. Clark. 2,628,242, Feb. 10.
Organosilicon compositions. P. A. DiGiorgio. 2,640,833, June 2.
Organo-silicon compositions, Curable. D. B. Hatcher and R. H. Bunnell. 2,624,721, Jan. 6.
Organo silicon compounds and their preparation. C. F. Kohl, Jr. 2,640,066, May 26.
Organosilicon compounds, Preparation of. E. P. Plueddemann. 2,642,447, June 16.
Organosilicon compounds, Producing. G. H. Wagner and C. O. Strother. 2,632,013, Mar. 17.
Organosiloxanes containing trifluoromethylphenyl groups. L. W. Frost. 2,636,896, Apr. 28.
Organosiloxanes, Preparing. J. F. Hyde. 2,629,725, Feb. 24.
Organosilyl alcohols. J. L. Speier. 2,629,727, Feb. 24.
Organo tin compounds and compositions containing same. E. L. Weinberg and E. W. Johnson. 2,648,650, Aug. 11.
Organotin phosphate esters. J. M. Church, H. E. Ramsden, H. Hirschland, and H. W. Buchanan. 2,630,442, Mar. 3.
Organotin phosphates. J. M. Church. 2,630,436, Mar. 3.
Organo-tin sulfonamides. G. P. Mack and E. Parker. 2,634,281, Apr. 7.
Orientation mechanism. J. W. Horton and R. A. Wagner. 2,644,244, July 7.
Orientation system. N. E. Klein and J. W. Wright. 2,648,042, Aug. 4.
Oriented coated films, Preparation of. F. P. Alles and W. R. Saner. 2,627,088, Feb. 3.
Orienting and scanning support for betatrons. D. T. Scag and D. K. Getzlaff. 2,659,827, Nov. 17.
Orienting articles of predetermined shapes. V. F. Nakarda. 2,625,282, Jan. 13.
Orienting device. H. J. Graham and P. F. Powder. 2,662,626, Dec. 15.
Orienting mechanism for magnetic detector devices. P. M. Murphy. 2,632,884, Mar. 24.
Orientator, Cherry. E. W. Carroll, J. W. Edgemond, Jr., and H. J. Jespersen. 2,655,247, Oct. 13.
Orifice plate for threaded orifice, Indicating. A. W. Novak and R. F. Mildrum. 2,661,768, Dec. 8.
Ornament and a blank from which it is made, Decorative. W. T. Warren, Jr. 2,633,657, Apr. 7.
Ornament and clip, Novel. A. G. Rinehart. 2,646,668, July 28.
Ornament, Artificial waterproof hair. J. H. Bennett. 2,660,826, Dec. 1.
Ornament assembly and supporting means therefor, Christmas tree. W. F. Protz. 2,653,216, Sept. 22.
Ornament for shoes, Illuminated. J. De Merolis and A. Di Lizio. 2,632,093, Mar. 17.
Ornamental bird having rotatable wings. A. W. Petrasy. 2,638,705, May 19.

Ornamental crystalline glaze. H. G. Schurecht. 2,663,658, Dec. 22.
Ornamental device for pyrophoric lighters. S. G. Lipic and H. R. Morrow. 2,651,870, Sept. 15.
Ornamental dyeing. F. J. Pitt. 2,629,647, Feb. 24.
Ornamental fluorescent stand lamp. M. C. Thorstensen. 2,645,709, July 14.
Ornamental insert for wheel structure. G. A. Lyon. 2,629,957, Mar. 3.
Ornamental object having polarizing and birefringent layers. P. Boone. 2,663,171, Dec. 22.
Ornamental wheel cover. G. A. Lyon. 2,625,440, Jan. 13.
Ornamentation of articles made of plastics. J. Garofano. 2,642,390, June 16.
Ornamented wood and manufacture. O. Brown. 2,634,534, Apr. 14.
Ornamenting articles. B. M. Brown. 2,645,049, July 14.
Orthodontic appliance. H. J. Russell. 2,627,112, Feb. 3.
Ortho-hydroxyarylcarboxylic acid-B-naphthylamides, Manufacture of. A. Hagenboecker. 2,653,974, Sept. 29.
Orthopedic and prosthetic appliance. C. H. Bennington. 2,662,228, Dec. 15.
Orthopedic balancing apparatus for leg amputees. E. Feine. 2,658,388, Nov. 10.
Orthopedic chair. W. J. Christensen. 2,655,982, Oct. 20.
Orthopedic device. J. J. Ritchey. 2,660,814, Dec. 1.
Orthopedic device for the ankle. N. R. Hatkoff. 2,656,834, Oct. 27.
Orthopedic garment, Protective. J. E. Silverman. 2,661,002, Dec. 1.
Ortho-phenanthroline, Preparation of. G. K. Wheeler. 2,651,636, Sept. 8.
Oscillating electric motor. F. W. Herr. 2,633,544, Mar. 31.
Oscillating electrical compressor. J. B. Replogle. 2,629,538, Feb. 24.
Oscillating mechanism for washing machines and the like. O. J. Voss. 2,634,615, Apr. 14.
Oscillating rail for work-immersion machines. J. V. Davis, C. W. Chill, and L. J. Pianowski. 2,650,904, Sept. 1.
Oscillation generator. R. H. Varian, W. W. Hansen, and J. R. Woodyard. 2,646,512, July 21.
Oscillation network with circuits for developing voltages in accordance with angular positions of radiated antenna beams. G. B. Crane. 2,650,358, Aug. 25.
Oscillator. E. J. H. Bussard. 2,628,314, Feb. 10.
Oscillator. G. E. Hulstede. 2,646,525, July 21.
Oscillator and phase meter, Low-frequency. W. J. Hirtreiter. 2,646,517, July 21.
Oscillator cancellation frequency converter. E. A. Henry. 2,662,172, Dec. 8.
Oscillator circuit. R. C. Cheek. 2,626,354, Jan. 20.
Oscillator, Coaxial line. W. R. Rambo. 2,633,537, Mar. 31.
Oscillator, Crystal. D. H. Campbell. 2,656,467, Oct. 20.
Oscillator, Crystal controlled. J. S. Bell. 2,639,387, May 19.
Oscillator, Crystal controlled modulated. G. Peterson. 2,641,741, June 9.
Oscillator for AM-FM receivers. M. P. Herrick. 2,637,808, May 5.
Oscillator, Frequency-modulated. E. H. Hugenholtz. 2,662,214, Dec. 8.
Oscillator, Frequency modulated. H. R. Mathwich. 2,659,867, Nov. 17.
Oscillator, Klystron. J. W. Taylor, Jr. and W. S. Parnell. 2,648,005, Aug. 4.
Oscillator, Lighthouse tube. L. E. Barton. 2,627,577, Feb. 3.
Oscillator, Piezoelectric crystal. W. S. Mortley. 2,646,509, July 21.
Oscillator, Polyphase. R. L. Wallace, Jr. 2,648,773, Aug. 11.
Oscillator, Radio-frequency. W. R. Baker. 2,642,531, June 16.
Oscillator, Reflex klystron. W. H. Huggins. 2,659,025, Nov. 10.
Oscillator, Relaxation. J. R. Moore. 2,627,031, Jan. 27.
Oscillator, Resonant line. J. L. Clark. 2,653,244, Sept. 22.
Oscillator, Self-pulsing. A. A. Varela. 2,627,029, Jan. 27.
Oscillator, Self-pulsing. A. A. Varela. 2,649,546, Aug. 18.
Oscillator, Stabilized. L. W. Hussey. 2,641,705, June 9.
Oscillator system, Blocking. E. C. Dill and L. W. Ballard. 2,640,151, May 26.
Oscillator system, Frequency controlled. G. B. Herzog. 2,663,800, Dec. 22.
Oscillator, Triggered push-pull. R. B. Lawrance. 2,643,340, June 23.
Oscillator, Tunable high-frequency. N. E. Klein. 2,627,578, Feb. 3.
Oscillator, Variable frequency. F. B. Anderson. 2,633,534, Mar. 31.
Oscillator, Variable frequency. F. A. Hester. 2,638,550, May 12.
Oscillator, Variable frequency. P. A. Hoffman and G. K. Jensen. 2,626,355, Jan. 20.
Oscillator, Wide range inductively-tuned. J. J. Ebers. 2,651,738, Sept. 8.
Oscillator, Wind machine. D. L. Kinder. 2,653,482, Sept. 29.
Oscillatory, direct-fired, stack-loaded melting furnace. A Arutunoff. 2,662,764, Dec. 15.
Oscillatory motor. J. S. Yarrow. 2,649,551, Aug. 18.
Oscillograph. A. M. Grass. 2,660,510, Nov. 24.
Oscillograph, Cathode-ray. E. Ruska and E. Hentschel. 2,633,553, Mar. 31.
Oscillograph sweep system. R. M. Page. 2,664,522, Dec. 29.
Oscillographic plotting system. R. W. Lockhart. 2,656,536, Oct. 20.
Oscilloscope. R. C. Hergenrother and H. G. Rudenberg. 2,633,546, Mar. 31.
Oscilloscope, Multiple trace. B. Chance. 2,625,667, Jan. 13.
Ottoman and chair, Combination. S. G. Reichman. 2,625,204, Jan. 13.
Outboard motor carrier. E. J. Kelly. 2,663,474, Dec. 22.
Outboard motor-driven hydroplaning boat. E. C. Kiekhaefer. 2,656,814, Oct. 27.
Outboard motor lock. W. K. Knutson. 2,639,605, May 26.
Outboard motor lock. W. A. Wardius. 2,639,604, May 26.
Outboard motor mounting bracket. M. E. Long. 2,630,991, Mar. 10.
Outboard motor stand. R. J. Brink and C. W. Tunstead. 2,658,703, Nov. 10.
Outboard motor test tank. H. C. Chapman. 2,662,399, Dec. 15.
Outboard transducer assembly. D. O. Nelson and R. P. Geddes, Jr. 2,646,950, July 28.
Outdoor fixture for tubular lights. E. M. Caferro. 2,644,027, June 30.
Outer cover for batteries. F. M. Brown and C. F. Albrecht. 2,629,759, Feb. 24.
Outerwear ensemble, Child's. W. H. Fischer. 2,641,764, June 16.
Outlet assembly for hopper type railway cars. G. B. Dorey. 2,640,438, June 2.
Outlet box cable connector. E. C. Schesser. 2,643,136, June 23.
Outlet box holder. H. Smith. 2,658,704, Nov. 10.
Outlet box with overlapped knockouts. O. J. Olson. 2,663,454, Dec. 22.
Outlet for grease separators and the like. H. G. Brenner. 2,642,995, June 23.
Output connection for magnetron. L. Tonks and J. F. Hull. 2,659,027, Nov. 10.
Outside pipe cutting tool. L. W. Storm. 2,651,362, Sept. 8.
Outward flow filter. S. Malanowski. 2,651,417, Sept. 8.
Oven, Auxiliary. C. P. Crawford. 2,633,840, Apr. 7.
Oven, Bake. J. Faulds. 2,650,554, Sept. 1.
Oven, Baker's. R. Bolling. 2,626,341, Jan. 20.
Oven, Baking. T. R. and W. Neutelings. 2,660,961, Dec. 1.
Oven burner control mechanism. C. M. Mayer. 2,637,392, May 5.
Oven construction. R. E. Shaw and S. C. Peek, Jr. 2,637,754, May 5.
Oven conveyer having guided trays. W. P. Schonwald. 2,626,700, Jan. 27.
Oven drier. A. J. Kisskalt. 2,651,849, Sept. 15.
Oven for gas burning stoves, Automatic. G. Klein. 2,635,683, Apr. 21.
Oven, Foundry drying. E. W. von Hofen and F. R. Whitney. 2,653,392, Sept. 29.
Oven liner. A. Barnsteiner. 2,644,443, July 7.
Oven loader and unloader. W. W. Paul. 2,634,002, Apr. 7.
Oven, Portable barbecue. K. E. Rau. 2,626,559, Jan. 27.
Oven unloader, Automatic. H. E. Temple and G. E. Tench. 2,633,258, Mar. 31.
Oven, Wire enameling. L. J. Shorek and W. L. Best. 2,648,531, Aug. 11.
Oven with removable partitions, Stove. B. C. Gould. 2,625,928, Jan. 20.
Over and under actuator for electric switches. J. S. Coldwell. 2,625,629, Jan. 13.
Overall with strap arrangement. T. H. Orenge. 2,640,990, June 9.
Overbed table. H. Holmberg. 2,640,748, June 2.
Overcenter snap device. H. Millard. 2,627,754, Feb. 10.
Overcoat. L. Sunderland, E. Florine, and I. I. Berger. 2,651,041, Sept. 8.
Overcoming elongation of pulses. L. C. Feten. 2,652,451, Sept. 15.
Overdoor. J. H. McKee and M. E. Hartzler. 2,625,221, Jan. 13.
Overdraft mechanism for accounting machines. R. A. Christian, P. H. Williams, J. R. Ganger, A. R. Colley, A. J. Strachan, W. L. Paden, J. H. Crawford, H. C. Johnson, R. H. Geiger, and R. C. Mitchell. 2,626,749, Jan. 27.
Overdraft mechanism for plural totalizers, True negative. M. Winkler. 2,657,855, Nov. 3.
Overdrive assembly, Tractor. A. J. Warsaw. 2,633,759, Apr. 7.
Overdrive kickdown control means. N. E. Wahlberg and J. F. Sladky. 2,629,454, Feb. 24.
Overdrive transmission. G. E. Flinn. 2,644,550, July 7.
Overhead door. J. H. McKee and M. E. Hartzler. 2,655,683, Oct. 20.
Overhead log carrier. J. Wyssen. 2,652,157, Sept. 15.
Overhead switch. J. H. Swanback and N. J. Jensen. 2,657,643, Nov. 3.
Overload brake means for vehicles. J. G. Lindeman. 2,656,893, Oct. 27.

Overload clutch. H. C. Hollinger. 2,631,444, Mar. 17.
Overload drive release. J. W. Bach. 2,656,185, Oct. 20.
Overload limiting device. W. F. Borgerd. 2,656,685, Oct. 27.
Overload protective relay. C. I. Hall. 2,654,813, Oct. 6.
Overload protective system. L. R. Crary. 2,644,563, July 7.
Overload release clutch. J. R. Battaline. 2,633,215, Mar. 31.
Overload release coupling. C. Hill and C. K. Johns. 2,637,987, May 12.
Overload release coupling. R. C. Rayner. 2,638,762, May 19.
Overload release device. W. A. Anderson. 2,647,600, Aug. 4.
Overload release for pitter drive mechanism. F. P. Russo. 2,626,644, Jan. 27.
Overload released fluid clutch. L. D. Hagenbook. 2,642,971, June 23.
Overload relief for electric motors. J. L. Moody and E. A. Davis. 2,652,527, Sept. 15.
Overload reset circuit. H. F. Mayer. 2,654,052, Sept. 29.
Override for pressure operated systems, Manual. W. A. Ray. 2,630,785, Mar. 10.
Overriding inverse time-delay trip mechanism for circuit breakers. J. A. Oppel. 2,632,823, Mar. 24.
Overriding shank for resilient shank plows. W. T. Graham. 2,656,778, Oct. 27.
Overrunning clutch. F. L. Lavash. 2,633,949, Apr. 7.
Overrunning clutch. J. E. Storer, Jr. and W. G. Livezey. 2,647,599, Aug. 4.
Overshoe liner. E. A. Fula. 2,642,678, June 23.
Overshoe, One-piece foldable. R. B. Hardman. 2,652,637, Sept. 22.
Overspeed control means for rotary motion. D. R. Trowbridge and L. Glover. 2,651,388, Sept. 8.
Overspeed protection means for direct current motor operated hoists. J. D. Leitch and W. L. Smith. 2,634,389, Apr. 7.
Overwound filament. H. J. Dailey. 2,629,065, Feb. 17.
Oxalic acid salt of a phenylene diamine. B. A. Hunter. 2,632,770, Mar. 24.
Oxamide, Preparing. J. D. Joffe and L. J. Beckham. 2,646,448, July 21.
Oxidation catalysts. M. J. P. Hartig. 2,625,519, Jan. 13.
Oxidation control. R. L. Mitchell and O. V. Luke. 2,653,962, Sept. 29.
Oxidation inhibitors. H. W. Rudel. 2,662,815, Dec. 15.
Oxidation of a naphthyl dialkyl methine. G. G. Joris and W. D. Griffin. 2,656,394, Oct. 20.
Oxidation of aromatic hydrocarbons. G. M. Calhoun and J. E. Reese. 2,663,740, Dec. 22.
Oxidation of aromatic hydrocarbons. J. C. Conner, Jr. 2,632,026, Mar. 17.
Oxidation of aromatic hydrocarbons. J. C. Conner, Jr., and A. D. Lohr. 2,632,774, Mar. 24.
Oxidation of aromatic hydrocarbons. E. J. Lorand and J. E. Reese. 2,664,447–8, Dec. 29.
Oxidation of aromatic hydrocarbons to phenols. W. H. Reeder, III. 2,662,923, Dec. 15.
Oxidation of fatty acids. R. L. Logan. 2,662,908, Dec. 15.
Oxidation of hydrocarbons. D. S. P. Roebuck. 2,644,840, July 7.
Oxidation of olefinic compounds. C. E. Schweitzer. 2,644,837, July 7.
Oxidation of olefins to alkenals. G. C. Connolly and D. L. Cottle. 2,627,527, Feb. 3.
Oxidation of petroleum fractions. S. R. Merley and A. Kofoet. 2,626,277, Jan. 20.
Oxidation of unsaturated hydrocarbons in acid solution. C. B. Linn. 2,631,160, Mar. 10.
Oxidation process. I. E. Levine. 2,653,165, Sept. 22.
Oxidation process. C. S. Morgan, Jr., and N. C. Robertson. 2,659,746, Nov. 17.
Oxidation process for preparation of terephthalic acid. L. A. Burrows, R. M. Cavanaugh, and W. M. Nagle. 2,636,899, Apr. 28.
Oxidation process for production of 2,6-naphthalic acid. G. E. Tabet. 2,644,841, July 7.
Oxidation products from unsaturated organic compounds, Manufacture of. G. D. Buckley. 2,636,898, Apr. 28.
Oxidation-resistant hard composition. J. W. Graham. 2,654,145, Oct. 6.
Oxidative condensation of amines and dithio acids. G. E. Smith, Jr. 2,647,144, July 28.
Oxidative dehydrogenation of cyclic hydrocarbons. B. Orkin. 2,661,380, Dec. 1.
Oxidative fixing composition. R. C. Head. 2,633,447, Mar. 31.
Oxide removing bath. I. C. Clingan. 2,655,481, Oct. 13.
Oxide resistors and making same, Heavy-metal. E. Albers-Schoenberg. 2,626,445, Jan. 27.
Oxidizing asphalt. D. F. Fink, R. A. Greger, and F. R. Alaberg. 2,627,498, Feb. 3.
Oxidizing iron halides to produce iron oxide and chlorine. R. H. Sawyer. 2,642,339, June 16.
Oxidizing sodium sulfide to sodium sulfite in successive stages. R. S. Aries and A. Pollak. 2,640,758, June 2.
Oxidizing steroid alcohols. A. C. Ott and M. F. Murray. 2,625,556, Jan. 13.
Oximeter. M. D. Liston. 2,640,389, June 2.
Oxo-bottoms base lubricating grease. A. J. Morway and P. V. Smith, Jr. 2,653,132, Sept. 22.
Oxo-steriods and making same. K. Miescher, A. Wettstein, and J. Schmidlin. 2,656,365, Oct. 20.
Oxyalkylated derivatives of sucrose, Certain. M. De Groote. 2,652,394, Sept. 15.
Oxyalkylation of the amides of secondary amines. M. De Groote. 2,652,409, Sept. 15.
Oxychlorides of silicon by thermal conversion of alkoxy trichlorosilanes, Producing. V. Morrill, Jr. 2,633,408, Mar. 31.
Oxygen acetylene hose reel. L. S. Roark. 2,629,630, Feb. 24.
Oxygen and peroxide treatment of esters of inorganic silicon oxy acids. J. B. Rust and C. A. MacKenzie. 2,625,520, Jan. 13.
Oxygen-containing carbon compounds, Production of. P. C. Condit and J. A. Spence. 2,647,149, July 28.
Oxygen detection and measurement. E. L. Kells and D. H. Larsen. 2,625,584, Jan. 13.
Oxygen lancing of furnace flues and checkers. T. A. Thompson. 2,657,034, Oct. 27.
Oxygen mask. E. Barach. 2,647,511, Aug. 4.
Oxygen producing apparatus. F. G. Keyes. 2,640,332, June 2.
Oxygen, Production of. H. Z. Martin. 2,642,340, June 16.
Oxygenated polymerizable acrylic acid type esters and preparing and polymerizing the same. R. E. Burnett and B. W. Nordlander. 2,628,178, Feb. 10.
Oxygenated polymerizable esters as cure accelerators and as copolymerizable materials. P. T. Etchason and H. F. Jones. 2,628,210, Feb. 10.
Oxygenation of steroids. G. M. Shull, D. A. Kita, and J. W. Davisson. 2,658,023, Nov. 3.
Oxy-oxoesters and acids and their preparation. T. M. Patrick, Jr. 2,647,919, Aug. 4.
Oxy-phenyl cyclohexane- and cyclohexene-carboxylic acids and derivatives. F. C. Novello. 2,650,243, Aug. 25.
Oxypropylated allyl starch. M. De Groote. 2,626,937, Jan. 27.
Oxypropylated fractional esters of polycarboxylic acids. M. De Groote. 2,652,425, Sept. 15.
Oxypropylated polyamide-polycarboxylic acid reaction product. M. De Groote. 2,652,388, Sept. 15.
Oyster dredge hoist gear. A. Mazzella. 2,648,918, Aug. 18.
Oyster preparing machine. H. B. Secor. 2,640,223, June 2.
Ozone generator. R. G. Collison. 2,658,868, Nov. 10.
Ozonizers. P. Niccoli. 2,643,224, June 23.
P-N junctions in semiconductor materials, Making. M. Sparks and G. K. Teal. 2,631,356, Mar. 17.
PTM modulator and demodulator system. H. Gallay. 2,629,856, Feb. 24.
P-amino-salicyclic acid derivatives and their production. R. A. Ursprung. 2,653,157, Sept. 22.
P′ (benzoylsulfamyl) phthalanilic acid, Preparation of. F. B. Zienty. 2,648,689, Aug. 11.
P-chlorophenyl (2-pyridyl) (β-dimethylaminoethoxy) methane. N. Sperber, D. Papa, and E. Schwenk. 2,662,891, Dec. 15.
Pack and game carrier. C. E. Giovannoni. 2,636,748, Apr. 28.
Pack feed control mechanism. T. A. Ribich. 2,660,430, Nov. 24.
Pack for individual disassembled syringes, Sterile. J. J. Perkins. 2,634,856, Apr. 14.
Package. J. D. Conti. 2,652,335, Sept. 15.
Package. O. E. Seiferth. 2,627,470, Feb. 3.
Package. O. E. Seiferth. 2,646,357, July 21.
Package. J. E. Snyder and D. R. Burton. 2,635,788, Apr. 21.
Package. W. P. Taylor, Jr. 2,634,922, Apr. 14.
Package. F. W. Woodman. 2,637,441, May 5.
Package adapter. E. W. Paeplow and M. Kiachif. 2,643,830, June 30.
Package and forming the same, banded. E. W. Van Patten. 2,658,614, Nov. 10.
Package and making it. S. M. Bodolay and D. S. Vecchia. 2,651,578, Sept. 8.
Package and parts thereof for delicate articles. C. D. Verde. 2,654,468, Oct. 6.
Package binding tool. G. A. Crosby and A. I. Ericsson. 2,661,030, Dec. 1.
Package clip. C. B. Footlick. 2,629,916, Mar. 3.
Package, Combination. S. Recht. 2,639,806, May 26.
Package cushioning and sealing means. R. V. Grishaber. 2,661,835, Dec. 8.
Package dispenser. H. P. Compton. 2,624,648, Jan. 6.
Package for capped containers. W. A. Ringler. 2,654,474, Oct. 6.
Package for deodorants, statuaries, and the like. J. F. Diederich. 2,628,713, Feb. 17.
Package for perfume and the like. J. E. Valentine. 2,626,833, Jan. 27.
Package for press inking rolls, Shipping. L. C. Ambrette and J. W. McNeil. 2,639,807, May 26.
Package for shipping and storing a conductive rubber heating element and making same. C. J. Ford. 2,643,206, June 23.
Package for tapelike material. W. M. Scholl. 2,646,877, July 28.

Package forming and sealing machine. V. L. Cheney and M. E. Toby. 2,627,150, Feb. 3.
Package memo pad. J. R. O'Meara. 2,652,149, Sept. 15.
Package of flat articles with adjustable filler pad. F. O. Robertson. 2,638,212, May 12.
Package of surgical articles in sterilizing liquid, Rectangular. C. T. Rialt. 2,643,764, June 30.
Package of triangular objects. C. W. Vogt. 2,633,986, Apr. 7.
Package opener. W. J. Cahill. 2,659,967, Nov. 24.
Package sealing die having resilient facing strip. L. L. Salfisberg. 2,624,992, Jan. 13.
Package top sealing apparatus. J. Riemer. 2,629,977, Mar. 3.
Package which includes multiply film enclosure with plasticizer between the plies. R. J. Swartz and J. E. Snyder. 2,635,742, Apr. 21.
Packaged electrically operated ventilating fan. R. G. Gordon. 2,631,775, Mar. 17.
Packaging apparatus, Container. R. A. Smith. 2,657,845, Nov. 3.
Packaging arrangement. G. C. Cunningham and H. A. Kilmer. 2,653,709, Sept. 29.
Packaging article. M. A. Beckmann. 2,656,931, Oct. 27.
Packaging article. C. W. Vogt. 2,664,239, Dec. 29.
Packaging assembly, Multiple-unit. J. V. Necas. 2,658,612, Nov. 10.
Packaging device. R. G. Buckland. 2,632,381, Mar. 24.
Packaging device, Corner cushioning. H. I. Ellsworth. 2,631,723, Mar. 17.
Packaging device, Shirt. S. Lighter. 2,652,146, Sept. 15.
Packaging device, Shirt. W. W. McFall. 2,649,228, Aug. 18.
Packaging elongated articles. R. T. White. 2,624,989, Jan. 13.
Packaging empty bags. M. C. Barnes. 2,659,187, Nov. 17.
Packaging equipment. A. M. Donofrio. 2,641,881, June 16.
Packaging explosives. T. F. Pauls. 2,660,300, Nov. 24.
Packaging for liquid infant food. J. J. Horan. 2,628,909, Feb. 17.
Packaging hangered garments. C. B. Blessing. 2,639,566, May 26.
Packaging machine. C. T. Banks. 2,631,767, Mar. 17.
Packaging machine. H. L. Bartelt. 2,649,673–4, Aug. 25.
Packaging machine. F. B. Casey, R. R. Woodcock, and M. E. Wood. 2,651,350, Sept. 8.
Packaging machine. A. C. Gannon and C. E. Kilby. 2,628,758, Feb. 17.
Packaging machine. H. P. Lewis. 2,626,494, Jan. 27.
Packaging machine. G. A. Moore. 2,650,010, Aug. 25.
Packaging machine. S. P. Rety and J. F. Moore. 2,660,843, Dec. 1.
Packaging machine and method of packaging. C. J. Malhiot. 2,625,777, Jan. 20.
Packaging machine, Automatic. R. E. Read. 2,650,058, Aug. 25.
Packaging machine, Bag. C. F. Richard. 2,641,882, June 16.
Packaging machine, Blade. Z. Auerbach. 2,627,790, Feb. 10.
Packaging machine, Ice-cream. W. H. Allison. 2,628,756, Feb. 17.
Packaging machine transfer mechanism. C. J. Malhiot. 2,633,279, Mar. 31.
Packaging machine, Universal. J. P. Murdoch and A. J. Faulhaber. 2,639,567, May 26.
Packaging material. E. D. Darden. 2,628,907, Feb. 17.
Packaging material. L. E. Dowd. 2,627,471, Feb. 3.
Packaging material and making. L. E. Dowd. 2,627,483, Feb. 3.
Packaging material and making, Corrosion inhibiting. C. H. Schaar. 2,653,854, Sept. 29.
Packaging means. E. B. Whitehead. 2,646,165, July 21.
Packaging method and machine, Bag. H. F. Davies. 2,633,280, Mar 31.
Packaging, Method and means for. F. H. Fitzgerald. 2,653,429, Sept. 29.
Packaging of products in slab form. B. T. Hensgen and J. C. Vanden Bosch. 2,635,965, Apr. 21.
Packaging of soft plastic foods. L. Peters. 2,631,939, Mar. 17.
Packaging of tacky materials. A. W. Barry and F. S. Chance, Jr. 2,639,808, May 26.
Packaging press. W. L. Davis. 2,625,310, Jan. 13.
Packaging table-ready meats. H. G. Holtz. 2,652,669, Sept. 22.
Packaging window shades. C. M. Judd. 2,653,710, Sept. 29.
Packaging with pull strip. B. J. Tamarin and A. Meletti. 2,625,775, Jan. 20.
Packer for well instruments, Collapsible. R. H. Kolb. 2,642,141, June 16.
Packer, Hydraulically inflatable. J. Lynes, G. H. Allen, and J. D. Gardner. 2,643,722, June 30.
Packer of the sleeve type, Open hole. T. M. Johnston. 2,657,751, Nov. 3.
Packet. M. J. Cerino. 2,663,412, Dec. 22.
Packing. M. Funkhouser and P. J. Long. 2,643,147, June 23.
Packing and end thrust unit for conveyers. R. B. Maas. 2,643,164, June 23.
Packing apparatus. M. E. Francisco. 2,661,882, Dec. 8.
Packing apparatus, Automatic. M. E. Francisco. 2,661,883, Dec. 8.
Packing case and the like, Adjustable. A. J. Zeni. 2,628,737, Feb. 17.
Packing composition containing polytrifluorochloroethylene and an inorganic antifriction agent. L. C. Rubin. 2,644,804, July 7.
Packing device. R. G. Piety. 2,654,433, Oct. 6.
Packing device. W. D. Putnam. 2,662,659, Dec. 15.
Packing element. E. B. Kincaid. 2,663,417, Dec. 22.
Packing element with rigid mounting and reinforcing member. E. H. Smith. 2,630,357, Mar. 3.
Packing fish materials in containers and products produced thereby. E. H. Carruthers. 2,630,390, Mar. 3.
Packing for use between rotatable and fixed parts. P. Destoumieux and M. Amirault. 2,646,296, July 21.
Packing gland. A. W. Else. 2,624,601, Jan. 6.
Packing gland, High-temperature and pressure. E. R. Atkins. 2,655,391, Oct. 13.
Packing gland replacement device. M. L. Van Ness. 2,636,788, Apr. 28.
Packing gland, Self-tightening. M. P. Laurent. 2,626,840, Jan. 27.
Packing keeper. J. P. Morris. 2,631,903, Mar. 17.
Packing means for sand molds. R. L. Lee. 2,632,215, Mar. 24.
Packing means for wells. J. C. Webber. 2,639,773, May 26.
Packing member. J. E. Collins. 2,660,459, Nov. 24.
Packing retainer for journal boxes. J. D. Herr. 2,648,574, Aug. 11.
Packing ring and core element therefor, High-pressure. J. M. Storey. 2,634,995, Apr. 14.
Packing stand. C. F. Stevens. 2,628,760, Feb. 17.
Packing stand assembly. G. C. Paxton. 2,638,216, May 12.
Packing strip. W. P. Boysen. 2,640,794, June 2.
Packless impeller pump. R. P. Richmond. 2,631,543, Mar. 17.
Packless valve. G. O. R. Lindgren. 2,642,255, June 16.
Packless valve. D. H. Thorburn. 2,654,394, Oct. 6.
Pad: *See*—
Baby's safety pad.
Coat hanger extension pad.
Corn pad.
Cushion pad.
Denture pad.
Duplicated bridge pad.
Enuresis bed pad.
Fire resistant pad.
Football shoulder pad.
Girdle pad.
Inflatable pad.
Interchangeable shoulder pad.
Knee crutch pad.
Letter pad.
Mouth insert pad.
Multiple pneumatic protection pad.
Nonscratching packing pad.
Package memo pad.
Partition pad.
Pneumatic injury pad.
Recoil pad.
Sanitary pad.
Self-inking rubber stamp pad.
Shoulder pad.
Shoulder strap pad.
Silicone rubber ironing pad.
Surgical pad.
Test pad.
Waterproof laminated mattress pad.
Waterproof plastic covered bust pad.
Pad. M. and B. L. Doll. 2,656,291, Oct. 20.
Pad. H. E. Hitchens. 2,644,963, July 14.
Pad attachment for bed couches. R. O. Garrigus, Sr. 2,638,608, May 19.
Pad attachment for telephones, Sanitary. H. Webb. 2,650,269, Aug. 25.
Pad box. H. Gulbrandsen. 2,624,057, Jan. 6.
Pad box. C. K. Woodman. 2,656,553, Oct. 27.
Pad construction and process. R. J. Schaefer. 2,633,128, Mar. 31.
Pad dyeing composition. J. M. Kuhn. 2,627,507, Feb. 3.
Pad for electrical contact brushes, Resilient. F. G. Roberts. 2,640,943, June 2.
Pad for hosiery garters, Garment. M. Marchese. 2,642,578, June 23.
Pad for infants, Knee. C. Musgrave. 2,650,362, Sept. 1.
Pad for ophthalmic mountings, Nose. F. I. Miner. 2,650,519, Sept. 1.
Pad for stud driving tools, Safety. R. Farnsworth, V. R. Erickson, and C. R. Webber. 2,648,840, Aug. 18.
Pad for windshields, Cleaning. J. W. Anderson. 2,644,974, July 14.
Padded metal article. C. S. Phillips. 2,625,931, Jan. 20.
Padding support. H. E. Williams. 2,649,899, Aug. 25.
Paddle for disciplining children. G. F. Jorgenson. 2,645,488, July 14.
Padlock, Combination. O. H. Elfert and H. S. Thomas, Jr. 2,658,373, Nov. 10.
Padlock for use with hasps. A. W. Beach. 2,660,872, Dec. 1.
Padlock having gravity actuated detent. W. G. Ducharme. 2,659,228, Nov. 17.
Padlock, Nonshackle type. P. P. Villalba. 2,630,003, Mar. 3.
Page end indicator for typewriters. E. G. Moshier and E. G. Hoysak. 2,662,629, Dec. 15.
Page end indicator mechanism for typewriters. J. S. Burris. 2,625,253, Jan. 13.
Paging device, Illuminated. M. H. Greenwald. 2,644,935, July 7.

Paging system, Automatic. W. R. Hicks. 2,640,887, June 2.
Pail base for grease containers with cutter and interlock means for said containers, Grease gun loading. E. P. Sundholm. 2,643,044, June 23.
Pail, Nipple-equipped feeder. J. M. Coyner. 2,652,027, Sept. 15.
Pail, Twin. G. W. Todd. 2,649,223, Aug. 18.
Paint and varnish remover. W. M. Bruner and J. C. Lehr. 2,630,409, Mar. 3.
Paint applicator. R. E. Grubbs. 2,625,702, Jan. 20.
Paint applicator, Roller type. M. P. Vengris. 2,645,845, July 21.
Paint applying device. L. and S. Sultanik. 2,630,592, Mar. 10.
Paint applying roller. O. P. Magoon. 2,654,107, Oct. 6.
Paint box and easel, Combination. R. T. Wykoff. 2,638,397, May 12.
Paintbrush attachment. R. W. Perkins. 2,662,240, Dec. 15.
Paintbrush container having cleaning fluid therein. A. W. Yenne. 2,646,808, July 28.
Paintbrush having a plurality of detachable tuft sections. W. H. Ferguson. 2,629,125, Feb. 24.
Paintbrushes, Making. C. R. Goldberger. 2,658,801, Nov. 10.
Paint bucket holder. E. Pelletier. 2,645,443, July 14.
Paint burning and scraping device. W. T. Scholl. 2,629,433, Feb. 24.
Paint can brush scraper. C. Paxton. 2,660,333, Nov. 24.
Paint can brush scraper. R. A. Weed. 2,626,081, Jan. 20.
Paint can holder. E. Uhlig. 2,625,299, Jan. 13.
Paint composition, Mar-resistant. E. A. Wilder and F. E. Chapman. 2,640,038, May 26.
Paint, Fire-retardant. R. W. Craig. 2,627,475, Feb. 3.
Paint palette, Nonspilling. J. P. di Gemma. 2,633,656, Apr. 7.
Paint receptacle. C. G. Howell. 2,661,858, Dec. 8.
Paint roller cover. C. H. Barnes and F. Grosse. 2,636,252, Apr. 28.
Paint spray attachment device. J. C. Shotton. 2,651,545, Sept. 8.
Paint spray mask for auto tires. M. J. Kletsky. 2,652,023, Sept. 15.
Paint straining and brush cleaning device. J. A. de Armas. 2,625,270, Jan. 13.
Paint tray. V. R. Drum. 2,659,917, Nov. 24.
Painting and decorating. C. P. Lynden. 2,651,871, Sept. 15.
Painting apparatus, Electrostatic spray. L. J. Lamm. 2,626,589, Jan. 27.
Painting appliance of the detachable rolling sleeve type. E. E. Thomas. 2,647,299, Aug. 4.
Painting device, Sash and molding. C. W. Guimond. 2,644,186, July 7.
Paints and colored plastics, Manufacturing. M. H. M. Arnold. 2,637,535, May 5.
Paints, Artists' water-color. M. R. Vogel, G. D. La Barre, and W. M. Perry. 2,662,031, Dec. 8.
Palatable protein products from whey. A. H. W. Aten and S. G. Wiechers. 2,631,100, Mar. 10.
Palate support for smokers' pipes. J. C. Casey. 2,644,465, July 7.
Palette, Multiple leaf. J. A. Siegel. 2,651,868, Sept. 15.
Pallet. D. B. Adams. 2,625,355, Jan. 13.
Pallet. L. F. Ashford. 2,640,669, June 2.
Pallet. W. W. Cushman. 2,639,112, May 19.
Pallet. S. D. Lapham. 2,662,710–11, Dec. 15.
Pallet. G. W. Withers. 2,634,932, Apr. 14.
Pallet. S. W. Woodward. 2,651,486, Sept. 8.
Pallet cleaning and lubricating apparatus. R. M. Gray. 2,630,781, Mar. 10.
Pallet, Collapsible. J. K. Petrime. 2,631,749, Mar. 17.
Pallet, Collapsible walled. D. H. Bitney. 2,648,455, Aug. 11.
Pallet, Disposable. L. E. Vogel. 2,643,080, June 23.
Pallet gripping device. J. B. Thomas. 2,656,062, Oct. 20.
Pallet handling apparatus. H. F. Geist. 2,624,470, Jan. 6.
Pallet stack unloader. J. B. Thomas. 2,639,051, May 19.
Palletizer. J. K. Bruce. 2,633,251, Mar. 31.
Palletizing skid. G. Harrison. 2,626,456, Jan. 27.
Palletizing support. G. A. Hoffmann, Jr. 2,639,050, May 19.
Pan and pot lifter. D. R. and M. Merton. 2,628,119, Feb. 10.
Pan and storage tray, Combined defrost. R. C. Sandin. 2,649,697, Aug. 25.
Pan, Cooking. J. H. Moreno. 2,652,768, Sept. 22.
Pan, Direct gravity recovery gold. F. S. Streng. 2,630,226, Mar. 3.
Pan, Extensible cake. M. Danziger. 2,627,801, Feb. 10.
Pan for flush tanks, Sweat. E. F. Matthews. 2,644,955, July 14.
Pan, Freezing. A. J. Frei. 2,642,727, June 23.
Pan, Freezing. A. J. Frei, Sr. 2,657,548, Nov. 3.
Pan greaser. E. Koerber. 2,633,820, Apr. 7.
Pan, Heating and cooling backing. A. H. Jung. 2,646,601, July 28.
Pan liner. P. Thompson. 2,639,212, May 19.
Pan stacks. C. W. Fry. 2,624,487, Jan. 6.
Pan turning mechanism. I. M. Archer. 2,659,475, Nov. 17.
Pan type oil burner. P. A. Broady. 2,658,568, Nov. 10.
Pancake making machine. H. Epstein. 2,663,249, Dec. 22.
Panning machine, Bread. H. C. Rhodes. 2,661,880, Dec. 8.
Panel and manufacture, Lightweight. G. Smolak and E. F. Dyer. 2,644,781, July 7.
Panel, Architectural. F. E. Allen. 2,649,172, Aug. 18.
Panel assembly for storage bins, Inflatable. W. R. Vincent. 2,646,905, July 28.
Panel board construction. H. J. Hammerly and C. Bangert, Jr. 2,632,039, Mar. 17.
Panel board cover. A. B. Rypinski. 2,630,477, Mar. 3.
Panel board neutral bar. W. Robertson and L. W. Higgins. 2,643,363, June 23.
Panel, Built-up wood. F. Weyerhaeuser. 2,661,511, Dec. 8.
Panel, Composite. J. R. Burke. 2,652,600, Sept. 22.
Panel, Cube-supporting. H. V. Bolding and E. G. Gowens. 2,663,419, Dec. 22.
Panel cutter. M. A. Beck. 2,630,627, Mar. 10.
Panel edge grooving attachment for electric handsaws. G. H. Bugenhagen. 2,656,863, Oct. 27.
Panel fastening means. W. W. Cushman. 2,644,553. July 7.
Panel for jalousie windows, Protective. L. J. Mitchell. 2,627,951, Feb. 10.
Panel for prefabricated houses. A. D. Roush, O. M. Stolz, and J. D. Yeck. 2,642,968, June 23.
Panel for sofa berths, Retractable. E. E. Woller. 2,637,856, May 12.
Panel forming machine, Continuous planar type. C. D. Dosker. 2,652,870, Sept. 22.
Panel mounting assembly. G. Menosky. 2,638,191, May 12.
Panel securing mechanism. W. G. Landwier. 2,627,352, Feb. 3.
Panel, Structural. M. Clements. 2,629,140, Feb. 24.
Panel, Wall or ceiling. A. C. Marsh, Sr. 2,630,604, Mar. 10.
Panels for open hearth furnaces, Self-contained replaceable. R. P. Heuer. 2,637,286, May 5.
Panic lock. O. M. Sievert. 2,625,418, Jan. 13.
Panoramic frequency indicator. W. H. Huggins and P. I. Richards. 2,658,994, Nov. 10.
Panoramic receiver. R. Hardy. 2,645,711, July 14.
Panoramic receiver. E. T. Wilbur. 2,626,350, Jan. 20.
Panoramic receiver frequency setting means. F. J. Kamphoefner. 2,630,528, Mar. 3.
Pants, Football. H. Goldsmith. 2,629,094, Feb. 24.
Pants guard for coat hangers, Slip resistant. W. F. Tufts. 2,653,740, Sept. 29.
Panty, Drop-seat. P. Blatt. 2,659,367, Nov. 17.
Panty, Maternity. S. B. McFerin. 2,632,177, Mar. 24.
Panty structure or the like, Baby. L. Gruenberg and B. Fletcher. 2,638,900, May 19.
Panty with plastic crotch liner. N. Hon. 2,636,494, Apr. 28.
Paper advancing means for graphic recorders. W. R. Gracey, Jr. 2,631,848, Mar. 17.
Paper and article container for automobiles. P. N. Innis. 2,628,008, Feb. 10.
Paper and making, High-strength. R. P. Kast. 2,653,870, Sept. 29.
Paper and making same, Coated. J. L. Azorlosa and D. P. Hug. 2,635,972, Apr. 21.
Paper and making same, Coated. E. J. Barber. 2,640,790, June 2.
Paper and making same, Coated. P. A. Snowman, Jr. 2,649,386, Aug. 18.
Paper and method and apparatus for the manufacture thereof, Reinforced. E. A. Rounseville and R. G. Estee. 2,638,146, May 12.
Paper and producing same, Coated. J. L. Azorlosa. 2,661,309, Dec. 1.
Paper bag. H. C. Davis. 2,652,972, Sept. 22.
Paper bag handle. H. K. Steen and H. L. Thompson. 2,652,187, Sept. 15.
Paper bags, Making. W. H. Bryce. 2,624,246, Jan. 6.
Paper base, Translucent. M. Salo and H. F. Vivian. 2,635,970, Apr. 21.
Paperboard carrier. H. W. Forrer. 2,637,480, May 5.
Paperboard forming machine. B. A. Malkin. 2,658,429, Nov. 10.
Paper-box covering machine. L. Schwab. 2,644,374, July 7.
Paper burster gun. H. L. Langos. 2,637,941, May 12.
Paper burster gun, Low-pressure multipull. A. F. Langos. 2,634,550, Apr. 14.
Paper burster gun, Self-feeding. A. F. Langos. 2,634,549, Apr. 14.
Paper carton collapser. W. G. Peterson. 2,625,096, Jan. 13.
Paper clip applicator. E. H. Vick. 2,641,051, June 9.
Paper clip for drawers. G. L. Donovan. 2,633,615, Apr. 7.
Paper, Coated. E. J. Barber. 2,640,791, June 2.
Paper, Coated. B. J. Oriel. 2,634,220, Apr. 7.
Paper container. R. S. Sanford. 2,663,981, Dec. 29.
Paper container. R. S. Sanford. 2,664,237, Dec. 29.
Paper container holder. E. O. Baker. 2,635,000, Apr. 14.
Paper, Corrugated. P. Brown. 2,627,484, Feb. 3.
Paper cup handle. J. G. Liebenow. 2,659,527, Nov. 17.
Paper cutting means with a suction applying device. L. Littman. 2,661,801, Dec. 8.

Paper-cutting mechanism. E. E. Garrett. 2,625,224, Jan. 13.
Paper decurling apparatus. J. R. Baumgartner. 2,658,432, Nov. 10.
Paper drill. W. R. Spiller and L. L. West. 2,637,396, May 5.
Paper feed device, Sprocket type. H. P. Mixer. 2,633,354, Mar. 31.
Paper feed mechanism for recorders. B. G. Blackman and D. O. Nelson. 2,660,380, Nov. 24.
Paper feeding mechanism for box wrapping machines. C. J. Peterson. 2,625,779, Jan. 20.
Paper form holder. G. C. Wilson. 2,649,208, Aug. 18.
Paper from long synthetic fibers and partially water soluble sodium carboxymethylcellulose and method. F. H. Osborne. 2,626,214, Jan. 20.
Paper gripper, Proof press. F. Barney. 2,627,226, Feb. 3.
Paper guide for accounting machines. W. A. Anderson. 2,650,688, Sept. 1.
Paper guide for accounting machines. H. M. Fleming. 2,658,600, Nov. 10.
Paper, Hair curling. A. H. Madore. 2,631,593, Mar. 17.
Paper, Heat-sensitive copying. C. S. Miller and B. L. Clark. 2,663,654–7, Dec. 22.
Paper-holding attachment for drafting boards. R. J. Wood. 2,627,696, Feb. 10.
Paper indicated dobby. C. R. Kronoff. 2,646,080, July 21.
Paper insertion guide mechanism for accounting machines and the like. C. K. Rainey. 2,632,549, Mar. 24.
Paper jogger. H. E. Cooper. 2,650,825, Sept. 1.
Paper jogging machine. W. R. Peugnet. 2,624,577, Jan. 6.
Paper label strip, Fanfolded. J. Welmont. 2,627,427, Feb. 3.
Paper machine. L. Hornbostel. 2,653,522, Sept. 29.
Paper machinery. J. Baxter, Jr. 2,661,664, Dec. 8.
Paper machinery. W. D. Croake and B. D. Ellis. 2,642,781, June 23.
Paper machinery. L. W. Petry and J. Baxter, Jr. 2,661,546, Dec. 8.
Paper machinery. S. A. Staege. 2,627,788, Feb. 10.
Paper machinery. S. A. Staege and A. G. Gibson. 2,645,346, July 14.
Paper, Making. G. A. Richter and R. H. MacClaren. 2,629,295, Feb. 24.
Paper-making apparatus. B. E. Teale. 2,630,045, Mar. 3.
Papermaking apparatus. B. E. Teale. 2,637,250, May 5.
Paper, Making elastomer containing. A. L. M. Bixler and J. I. Fisher. 2,635,045, Apr. 14.
Papermaking machine. S. S. Stevens. 2,658,430–1, Nov. 10.
Papermaking machine, Adjustable cylinder. P. H. Goldsmith. 2,658,4[illegible]ov. 10.
Paper making process utilizing modified locust bean gum. N. Frisch and F. J. Sweeney. 2,644,749–52, July 7.
Paper, Making stretchable unified. W. Kellgren and J. W. Marschall. 2,633,430, Mar. 31.
Paper, Manufacture of creped. A. B. Stevenson. 2,628,656, Feb. 17.
Paper, Manufacture of high wet strength. W. F. Fowler, Jr., and D. R. Spear. 2,632,699, Mar. 24.
Paper measuring and delivery mechanism for coil winding machines. F. P. Bohne. 2,649,252, Aug. 18.
Paper or foil break stop, Automatic. W. M. Robinson. 2,634,065, Apr. 7.
Paper padding press. H. T. Haskell. 2,641,781, June 16.
Paper printing foils for lithographic purposes and preparing them. W. Neugebauer, J. Barthenheier, and A. Rebenstock. 2,649,373, Aug. 18.
Paper product and its preparation. J. L. Azorlosa. 2,654,671, Oct. 6.
Paper pulp beating engine. E. Héry and K. A. Thorsen. 2,647,444, Aug. 4.
Paper pulp foam inhibitor. R. L. Mayhew and J. M. Cross. 2,645,617, July 14.
Paper punching machine, Automatic. C. C. Cruzan. 2,641,321, June 9.
Paper roll handling mechanism. E. R. Backofen and A. W. Gunning. 2,635,774, Apr. 21.
Paper roll holder. S. Salmonson. 2,661,165, Dec. 1.
Paper ruling, assembling, and stapling machine. E. K. E. Meffert. 2,663,564, Dec. 22.
Paper stock distributor for beaters. F. Hayes. 2,630,044, Mar. 3.
Paper stock pulper. E. A. Ellis. 2,641,971, June 16.
Paper stop for business machines, Adjustable. A. H. Sharpe. 2,647,610, Aug. 4.
Paper storage and manifolding device. N. C. Shellman. 2,664,205, Dec. 29.
Paper tape guide for calculating machines. E. M. Lippert. 2,633,968, Apr. 7.
Paper tearing mechanism. K. F. Oldenburg and F. N. Schwend. 2,642,939, June 23.
Paper web straightening device. J. J. Schwab and O. Wahl. 2,631,507, Mar. 17.
Paper with improved printing characteristics. B. K. Green. 2,641,557, June 9.
Para-nitro-phenyl-arsonic acid blackhead control composition. N. F. Morehouse and W. C. McGuire. 2,638,432, May 12.
Parachute. V. Cerrella. 2,640,666, June 2.
Parachute. A. J. Steinthal. 2,651,481, Sept. 8.
Parachute and seat harness. J. Martin. 2,655,329, Oct. 13.
Parachute apparatus. E. A. Neff. 2,656,183, Oct. 20.
Parachute deploying means. P. F. Smith. 2,631,797, Mar. 17.
Parachute flap. P. F. Smith. 2,663,524, Dec. 22.
Parachute harness, Personnel. C. E. Carroll. 2,643,836, June 30.
Parachute harness release. J. A. Gaylord. 2,639,936, May 26.
Parachute having an inflatable opening means. A. N. Hovland. 2,656,996, Oct. 27.
Parachute, including a regulated air passage. P. W. and F. Zbock. 2,644,656, July 7.
Parachute load release. N. W. Carlson. 2,650,127, Aug. 25.
Parachute pack. J. F. Smith. 2,663,525, Dec. 22.
Parachute, Shock reducing. J. M. Brady. 2,657,885, Nov. 3.
Parachute shroud line suspension structure. L. P. Frieder and W. S. Finken. 2,634,068, Apr. 7.
Paraffin cleaner. C. W. Earl and W. H. Middleton. 2,655,996, Oct. 20.
Paraffin removal system for wells. L. H. Rhoads. 2,639,774, May 26.
Paraffin scraper. F. L. Carson. 2,631,674, Mar. 17.
Paraffin wax composition. R. G. Capell, W. P. Ridenour, and J. A. Stewart. 2,646,362, July 21.
Paraffin wax compositions. R. G. Capell, W. P. Ridenour, and J. A. Stewart. 2,636,002–4, Apr. 21.
Paraffin wax having low electrical conductivity and coating glass therewith. K. N. Mathes and T. J. Rasmussen. 2,662,029, Dec. 8.
Paraffins, Production of. M. P. Matuszak. 2,662,103, Dec. 8.
Parallel compressor arrangement in refrigerating system. L. M. Kurtz. 2,663,164, Dec. 22.
Parallel motion translation device for vibratory screens. A. J. Roubal. 2,635,752, Apr. 21.
Parallelogram mounted carrier for cultivator tools. H. Kamplade. 2,644,387, July 7.
Parasite plane retrieving and towing mechanism. H. D. Barkey. 2,653,777, Sept. 29.
Parasiticidal lotion. A. L. Omohundro and F. M. Neumeier. 2,664,381, Dec. 29.
Parasiticidal lotions. A. L. Omohundro and F. M. Neumeier. 2,664,382, Dec. 29.
Paraxylene, Production of. R. F. Pfennig. 2,632,779, Mar. 24.
Parcel bag. H. I. McMillan. 2,650,016, Aug. 25.
Parcel tie for automobiles. P. O. Davolt. 2,635,796, Apr. 21.
Parenteral amino acid solution. E. E. Howe. 2,662,046, Dec. 8.
Parenteral aureomycin in anhydrous form. J. F. Weidenheimer and L. Ritter. 2,644,783, July 7.
Paring and coring machine, Tomato. B. C. Coons. 2,649,878, Aug. 25.
Parking attachment for automobiles. E. C. Henderson. 2,662,604, Dec. 15.
Parking brake indicator light. H. S. Kawecki and C. J. Glowzinski. 2,653,197, Sept. 22.
Parking device, Automobile. C. M. Tatosian. 2,639,046, May 19.
Parking device for vehicles. A. Wullschleger. 2,660,320, Nov. 24.
Parking device, Vehicle. G. A. Gottlieb. 2,638,995, May 19.
Parking elevator, Motor vehicle. F. Romain. 2,663,446, Dec. 22.
Parking meter. R. F. Broussard, H. J. Miller, L. D. Sollenberger, and S. L. Christensen. 2,660,283, Nov. 24.
Parking meter. D. G. Gumpertz and R. C. Alexander. 2,652,551, Sept. 15.
Parking meter. C. H. Martin. 2,629,438, Feb. 24.
Parking meter control system. J. A. T. Ellison. 2,656,908, Oct. 27.
Parking system. I. F. Weber. 2,626,718, Jan. 27.
Parking system and structure, Car. W. M. Eliot. 2,663,435, Dec. 22.
Parking system for automobiles. H. A. Lebert. 2,636,424, Apr. 28.
Parking system for vehicles. W. D. Barlow. 2,627,920, Feb. 10.
Parking viewer for automobiles. R. Schostal. 2,633,377, Mar. 31.
Parlor baseball game apparatus. B. Lenit. 2,629,597, Feb. 24.
Partial esters of polyhydric alcohols with carboxylic acids, Preparation of. R. C. Voegell. 2,628,967, Feb. 17.
Partial esters of polyhydroxyl polyethers. S. O. Greenlee. 2,653,141, Sept. 22.
Partial product machine. D. H. Reeves. 2,639,860, May 26.
Partial synthesis of pregnenolone. F. W. Heyl and M. E. Herr. 2,647,909, Aug. 4.
Partition for wire receptacles, Pivoted. S. N. Goldman. 2,662,661, Dec. 15.
Partition member for drawers and the like, Adjustable. M. Mokin. 2,640,621, June 2.
Partition pad. R. J. Hennessey and M. B. Jameson. 2,640,644, June 2.

Partition, Sliding. J. T. and W. Fairhurst. 2,657,436, Nov. 3.
Partition structure. F. J. Horil, Jr. 2,663,054, Dec. 22.
Partition system. L. R. Murdoch and B. E. Cueny. 2,636,224, Apr. 28.
Partitions for boxes. C. F. Bowen. 2,634,015, Apr. 7.
Parts holder and work-positioning apparatus, Adjustable. H. L. Krumm. 2,648,896, Aug. 18.
Parts washer with safety hose. A. J. Zaber. 2,653,617, Sept. 29.
Pass case. B. S. Berger. 2,634,777, Apr. 14.
Passageway enclosure for railway passenger cars. K. F. Nystrom and L. L. Lentz. 2,643,617, June 30.
Passageway system for fluid operated devices. G. Kuhn. 2,635,586, Apr. 21.
Passenger holding device for automotive vehicles, Safety. D. W. Lockwood. 2,661,221, Dec. 1.
Passive four terminal network for gyrating a current into a voltage. B. D. H. Tellegen. 2,647,239, July 28.
Passive vascular exerciser. L. V. Iwan. 2,646,038, July 21.
Paste, Fluorescent seam. I. Weber and K. Bloch. 2,631,243, Mar. 10.
Paste applicator for wrapping paper. L. Derr, Jr. 2,639,689, May 26.
Pasteilke material, Package of. A. A. Klippert, R. P. McGhie, and E. L. Richardson. 2,631,722, Mar. 17.
Paster and holddown means for labeling machines. F. Elsner. 2,655,896, Oct. 20.
Pastes, Alginate. A. B. Steiner and L. B. Rothe. 2,635,067, Apr. 14.
Pasting machine, Wallpaper. H. A. Bixby. 2,644,424, July 7.
Pasting mechanism for bag closing and sealing machines. H. V. Kindseth. 2,624,309, Jan. 6.
Pasteurizer, Agitated milk. M. Popow. 2,650,980, Sept. 1.
Pasteurizing apparatus. G. C. Colburn and C. W. Turner. 2,624,266, Jan. 6.
Pasteurizing methods and apparatus. J. A. Cross. 2,644,758, July 7.
Pastry forming machine. C. E. Nuttall. 2,624,296, Jan. 6.
Pastry, Production of layer. L. Stiles. 2,627,825, Feb. 10.
Patch applicator, Reinforcing. A. Perrotti. 2,663,445, Dec. 22.
Patch gluer utilizing high-frequency electricity. J. W. Mann. 2,625,969, Jan. 20.
Patch holding device. A. Janssens. 2,661,878, Dec. 8.
Patch pocket, Reinforced. C. D. Williamson. 2,635,250, Apr. 21.
Patching automobile inner tubes. L. M. Everett, Sr. 2,638,961, May 19.
Patching machine, Veneer sheet. R. V. Peterson. 2,663,332, Dec. 22.
Path-leveling means for the wheels of wheel-mounted plows. L. L. Patterson. 2,635,516, Apr. 21.
Patient transfer device. G. W. Gilleland. 2,630,583, Mar. 10.
Pattern controlled drive mechanism for machines for operating upon warps. R. P. Drake. 2,654,138, Oct. 6.
Pattern-controlled reproducing lathe. A. and C. Di Rosa and A. E. Hayes. 2,624,378, Jan. 6.
Pattern controlled variable bent-up and pile warp feed mechanisms. I. O. Moberg. 2,645,250, July 14.
Pattern for horizontal casting systems. W. H. Johnson. 2,645,830, July 21.
Pattern for vertical casting systems. W. H. Johnson. 2,645,829, July 21.
Pattern grading tool. J. J. Goodman. 2,662,299, Dec. 15.
Pattern mechanism. E. St. Pierre. 2,643,533, June 30.
Pattern tool. E. F. Zore. 2,659,983, Nov. 24.
Pattern tracing board. B. T. Endlich. 2,652,267, Sept. 15.
Patterns, Preparing. B. W. Nies and E. W. Duffy. 2,639,478, May 26.
Patty forming machine, Hamburg steak. F. S. Elsaesser. 2,634,458, Apr. 14.
Patty maker, Meat. R. J. Babbitt. 2,631,331, Mar. 17.
Patty receiving device. L. X. Garfunkel. 2,651,430, Sept. 8.
Pavement finishing machine, Concrete. D. C. Jones. 2,650,525, Sept. 1.
Pavement marker. A. R. Howell and O. W. Tackett. 2,660,791, Dec. 1.
Pavement providing for plant growth. R. S. Rice. 2,662,343, Dec. 15.
Paving composition, Preparing a. K. E. McConnaughay. 2,626,875, Jan. 27.
Paving machine. C. A. Lowe. 2,644,379, July 7.
Paving machine, including means for spading at the sides of the forms. C. Jackson. 2,651,979, Sept. 15.
Payroll board. L. K. Straus. 2,638,360, May 12.
Payroll computer. J. M. Stanford. 2,660,376, Nov. 24.
Pay station control trunking for mixed service telephone systems. C. E. Lomax. 2,644,040, June 30.
Peak clipper indicator. W. W. H. Dean. 2,624,789, Jan. 6.
Peaked voltage circuit. W. H. Elliot. 2,660,670, Nov. 24.
Peanut stacking rack. L. Y. Barnes. 2,629,497, Feb. 24.
Peanut vine pulling machine. W. E. Priestley. 2,660,013, Nov. 24.
Peanuts and the product resulting therefrom, Preparing. J. N. Wergeland. 2,653,875, Sept. 29.
Pearlescent plastic articles, Producing. E. M. McElligott. 2,648,098, Aug. 11.
Peat milling and handling machine. F. E. Pierce. 2,658,290, Nov. 10.
Pebble chamber. L. C. Bearer. 2,625,377, Jan. 13.
Pebble feeder. L. J. Weber. 2,656,941, Oct. 27.
Pebble heat exchange conversion process. H. J. Hepp. 2,645,606, July 14.
Pebble heat-exchanger. R. R. Goins. 2,635,990, Apr. 21.
Pebble heater apparatus and method for heat exchange. S. P. Robinson. 2,627,497, Feb. 3.
Pebble heater apparatus and method of operation. L. C. Bearer. 2,626,287, Jan. 20.
Pebble heater apparatus and regenerating pebbles therein. L. J. Weber. 2,630,413, Mar. 3.
Pebble heating and reaction chamber. R. R. Goins. 2,635,864, Apr. 21.
Pebble testing method and apparatus. S. P. Robinson and R. R. Goins. 2,644,328, July 7.
Pecan cracker. D. C. Landgraf. 2,642,908, June 23.
Pechmann dye, Preparation of. J. C. Fang and W. Bergmann. 2,640,837, June 2.
Pechmann dye, Producing. W. Bergmann. 2,640,836, June 2.
Pedal clavier switch mechanism. L. Hammond and G. H. Stephens. 2,626,325, Jan. 20.
Pedal for power-driven vehicles, Auxiliary accelerator left foot. E. T. Beckman. 2,645,948, July 21.
Pedal operating device, Remote-control. T. P. Brazell. 2,649,814, Aug. 25.
Pedally-controlled power-operated clutch. G. T. Randol. 2,627,953, Feb. 10.
Pedestal. S. E. McCullough. 2,653,451, Sept. 29.
Pedicure device. P. Reid. 2,628,623, Feb. 17.
Pedometer, Marine. H. W. Goff. 2,652,803, Sept. 22.
Peeling and coring machine, Fruit. A. C. Gross. 2,639,746, May 26.
Peeling and veining machine, Shrimp. N. Miller. 2,637,064, May 5.
Peeling apparatus, Vegetable. A. M. Hubman. 2,626,645 Jan. 27.
Peeling machine, Rotary steam. W. de Back. 2,638,137, May 12.
Peeling vegetables and the like. L. E. Treat. 2,626,646, Jan. 27.
Peep sight for firearms, Adjustable. E. T. Lake and R. R. Hardgrove. 2,646,625, July 28.
Peg-fastened button. A. E. Sutin. Re. 23,624, Feb. 24.
Peg or pulverizer for rotary beater mills, Stationary. W. C. Rogers and L. A. Bolton, Jr. 2,628,038, Feb. 10.
Pellet implanter. M. G. Lipman. 2,659,369, Nov. 17.
Pellet injector. J. L. Kas. 2,632,444, Mar. 24.
Pellet mill. S. A. Oliver. 2,648,296, Aug. 11.
Pellet mill. J. W. and L. Wenger. 2,633,091, Mar. 31.
Pelleting of carbon black. M. L. Studebaker. 2,642,343. June 16.
Pelletizing process. B. J. Kerley, Jr. 2,627,457, Feb. 3.
Pen and pencil compass and divider, Locking. E. M., Oscar B., and Olivio B. Varona. 2,655,727, Oct. 20.
Pen, Antileak, fountain. B. F. Miessner. 2,642,041, June 16.
Pen assembly, Demountable animal. W. G. Beatty. 2,652,025, Sept. 15.
Pen, Ball. W. Scholz. 2,646,776, July 28.
Pen, Ball-point. M. J. Reed. 2,652,031, Sept. 15.
Pen cap having an ink container therein, Fountain. M. Fried. 2,658,479, Nov. 10.
Pen construction. R. L. Burchett. 2,649,074, Aug. 18.
Pen, Explosive fountain. S. S. Adams. 2,640,297, June 2.
Pen, Farrowing. J. P. Johansen. 2,630,097, Mar. 3.
Pen for automobiles, Baby. J. M. Kramer. 2,641,773, June 16.
Pen for viscous ink, Fountain. R. B. Johnson. 2,627,844, Feb. 10.
Pen, Fountain. F. E. Bartell. 2,648,309, Aug. 11.
Pen, Fountain. D. Kahn and K. Weisser. 2,642,842, June 23.
Pen, Fountain. B. F. Miessner. 2,642,043. June 16.
Pen, Fountain. R. W. Randolph. 2,645,205, July 14.
Pen, Fountain. M. Segre. Re. 23,683, July 7.
Pen, Fountain. M. Stiefel and M. Kalichman. 2,652,030, Sept. 15.
Pen, Fountain. K. Weisser and D. Kahn. 2,624,315, Jan. 6.
Pen, Fountain. J. S. Zarur. 2,646,777, July 28.
Penholder. F. de Hoffmann. 2,659,482, Nov. 17.
Penholder. B. N. Voelcker. 2,650,570, Sept. 1.
Pen layout, Livestock. J. R. Macdonald. 2,638,870, May 19.
Pen of the pump type, Fountain. E. B. Blockert and A. Marino. 2,649,075, Aug. 18.
Pen or pencil clip. G. D. Gorman. 2,655,702, Oct. 20.
Pen or pencil holder. C. R. Bilbrey. 2,647,517, Aug. 4.
Pen, Pocket marking. D. C. Wright. 2,637,466, May 5.
Pen, Retractable. W. B. Spatz. 2,624,314, Jan. 6.
Pen with ball-bearing mount, Ball-point. M. J. Reed. 2,627,247, Feb. 3.
Pen with cartridge barrel, Fountain. F. D. Woods. 2,638,873, May 19.
Pen with filling cap, Fountain. M. C. Gottlieb. 2,640,216, June 2.

Pen with positioning means for the ink sac thereof, Fountain. H. C. Klagges. 2,631,569, Mar. 17.
Pen, Writing. D. F. Mohns. 2,645,206, July 14.
Pencil. L. L. Colburn. 2,637,670, Nov. 3.
Pencil. J. A. Vierling. 2,646,775, July 28.
Pencil and collet therefor, Mechanical. W. E. and W. H. Jacobsen. 2,624,313, Jan. 6.
Pencil box with built-in sharpener. A. A. Roger. 2,637,669, Nov. 3.
Pencil case and pointer, Combined. A. G. Milhavet. 2,636,476, Apr. 28.
Pencil, Controlled lead. F. A. Wade and W. Metzner. 2,637,671, Nov. 3.
Pencil, Eyebrow. A. M. Filak. 2,642,039, June 16.
Pencil lead. G. Loy. 2,645,582, July 14.
Pencil, Magazine. S. B. Harris. 2,624,312, Jan. 6.
Pencil, Make-up. A. Lengyel. 2,629,889, Mar. 3.
Pencil, Mechanical lead. C. C. Harris and B. E. Newton. 2,633,827, Apr. 7.
Pencil, Mechanical push-type lead. E. C. Hedler. 2,626,592, Jan. 27.
Pencil of the push-button type, Mechanical. O. M. Russell. 2,627,842, Feb. 10.
Pencil point protector. E. D. Finch. 2,627,845, Feb. 10.
Pencil pointer. E. E. Aylor. 2,628,593, Feb. 17.
Pencil pointer cup. R. J. Slattery. 2,653,576, Sept. 29.
Pencil, Ruling. D. G. Falconer. 2,629,932, Mar. 3.
Pencil sharpener. A. Guhl. 2,664,071, Dec. 29.
Pencil sharpener. R. C. Gwin, Jr. 2,626,593, Jan. 27.
Pencil sharpener. J. F. W. Mussgüller. 2,642,044, June 16.
Pencil sharpener. O. Schneider. 2,662,504, Dec. 15.
Pencil sharpener. M. Tall. 2,624,317, Jan. 6.
Pencil sharpener, Automatic motor-driven. W. E. Angell. 2,657,872, Nov. 3.
Pencil with lead advancing means, Mechanical. R. B. Johnson. 2,627,246, Feb. 3.
Pencil with spiral feeding means, Mechanical. H. S. Haselquist. 2,638,074, May 12.
Pendulum and acceleration compensation system. R. T. Cloud. 2,663,088, Dec. 22.
Pendulum compensating, Method of and apparatus for. R. T. Cloud. 2,659,985, Nov. 24.
Pendulum construction. H. F. Franke. 2,645,729, July 14.
Pendulum lock. N. E. Hart. 2,626,143, Jan. 20.
Penetrometer. G. A. Hoggatt. 2,656,716, Oct. 27.
Penicillin compositions. W. Ellas and H. J. Merrion. 2,656,299, Oct. 20.
Penicillin histidine. S. L. Ruskin. 2,625,543, Jan. 13.
Penicillin salt of an amine. H. W. Rhodehamel, Jr. 2,654,750, Oct. 6.
Penicillin salt of dimethylamino-acetoxy-dibenzylpropane. H. W. Rhodehamel, Jr. 2,634,267, Apr. 7.
Penicillin salt of hydroxy-menaphthyl-piperidine. H. W. Rhodehamel, Jr. 2,634,268, Apr. 7.
Penicillin salt of nicotinothiodiethylamide. H. W. Rhodehamel, Jr. 2,634,266, Apr. 7.
Penicillin salts of aminoalkyl-hydroxybenzoates. O. H. Tobiassen. 2,659,722, Nov. 17.
Penicillin salts of aminophenyl-piperidine. H. W. Rhodehamel, Jr. 2,633,465, Mar. 31.
Penicillin salts of methylpentylamine. V. V. Young. 2,647,893, Aug. 4.
Penicillin salts of n-methyl-(1,2-di-p-methoxyphenyl-2-hydroxyethyl) amine. V. V. Young. 2,649,443, Aug. 18.
Penicillin salts of N-methyl-(2-hydroxy-1,2-diphenylethyl)-amine. V. V. Young. 2,645,638, July 14.
Penicillin salts of substituted alkylene diamines. J. L. Szabo and W. F. Bruce. 2,627,491, Feb. 3.
Penicillins, Producing. D. Perlman and A. F. Langlykke. 2,641,567, June 9.
Pentachlorophenyl ester of trichloroacetic acid. F. L. Beman. 2,658,071, Nov. 3.
Pentadiene polymers as elastomer additives. W. M. St. John, Jr. 2,638,461, May 12.
Pentaerythritol-degummed soybean oil-modified alkyd resins. P. E. Marling and A. R. Hempel. 2,637,708, May 5.
Pentaerythritol, Producing. R. F. B. Cox. 2,629,746, Feb. 24.
Pentamethylbenzene disproportionation. A. P. Lien and D. A. McCaulay. 2,662,926, Dec. 15.
Pepsinogen and pepsin, Preparation of. E. P. Kennedy and M. D. Grossnickle. 2,644,784, July 7.
Perambulator. C. and D. J. Collins. 2,645,502, July 14.
Perambulator. W. Erwin. 2,626,162, Jan. 20.
Perambulator and like vehicle having a toggle-operated brake mechanism. B. Simpson. 2,657,937, Nov. 3.
Perambulator, Folding. H. E. Cornish. 2,632,654, Mar. 24.
Perambulator frame. B. F. Leber. 2,642,296, June 16.
Perchloromethyl mercaptan, Manufacture of. H. M. Pitt and W. Boggs. 2,647,143, July 28.
Percolator, Coffee. T. J. Cappello. 2,660,107, Nov. 24.
Percolator cover with audible signal. R. Zide. 2,630,113, Mar. 3.
Percolator with signal means. R. Zide. 2,630,111, Mar. 3.
Percussion device for land mines. A. F. M. Diels. 2,661,693, Dec. 8.
Percussion drill bit body. A. H. and J. H. Alexander. 2,628,821, Feb. 17.
Percussion drilling tool. R. Bassinger. 2,645,207, July 14.
Percussion initiated detonator. M. E. Swanson. 2,652,775, Sept. 22.
Percussion mechanism. P. Van Russum and G. Schul. 2,655,911, Oct. 20.
Percussive drift drill. O. Phipps. 2,660,483, Nov. 24.
Percussive tool. F. Abt. 2,660,153, Nov. 24.
Percussive tool. T. H. Wilson and R. H. Richardson. 2,628,599, Feb. 17.
Peresters of peroxycarboxylic acids. F. H. Dickey. 2,661,363, Dec. 1.
Perfluoro N-alkyl piperidines. E. A. Kauck and J. H. Simons. 2,631,151, Mar. 10.
Perforate bodies, Preparing. I. Peyches. 2,628,417, Feb. 17.
Perforated plates, Making. J. E. Woods and J. J. McMahon. 2,633,630, Apr. 7.
Perforated ribbon mounting for electrical conductors. L. J. Link. 2,626,303, Jan. 20.
Perforating and slotting punch. K. J. Braun. 2,642,940, June 23.
Perforating apparatus, Floatingly mounted. J. L. De Boo. 2,648,385, Aug. 11.
Perforating machine. K. Nicolay. 2,660,244, Nov. 24.
Perforating machine, Record controlled. C. R. Doty. 2,637,399, May 5.
Perforating machine, Sausage. O. Bolton, 2,643,414. June 30.
Perforating system. R. F. Mallina and J. M. Melick. 2,652,116, Sept. 15.
Perforation production tester. R. O. Boykin, Jr. 2,657,576, Nov. 3.
Perforator, Can. J. McDevitt. 2,627,111, Feb. 3.
Performance indicator arrangement for wave energy systems. C. London and R. H. Foy. 2,656,533, Oct. 20.
Perfume applicator. E. de Kolb. 2,631,317, Mar. 17.
Perfume bottle container. D. L. Spender. 2,625,292, Jan. 13.
Periclase, Preparation of. L. W. Austin and C. A. Rick. 2,641,531, June 9.
Periodic-wave generator. R. E. De Cola. 2,651,002, Sept. 1.
Periscope structure. F. L. Chaimson. 2,635,506, Apr. 21.
Permanent magnet brake. K. M. Feiertag. 2,656,026, Oct. 20.
Permanent magnets, Manufacture of. L. Néel. 2,651,105, Sept. 8.
Permanent waving device. T. Pazul. 2,625,164, Jan. 13.
Permanent waving of hair. E. O. Schnell. 2,653,121, Sept. 22.
Permanent waving rod. E. Swenson. 2,624,349, Jan. 6.
Permanently mounted motor vehicle jack. A. L. Fuster. 2,646,250, July 21.
Permanently plastic insulating composition. H. B. Willis and P. E. Dupler. 2,647,063, July 28.
Permeability test container. M. D. Brazier. 2,662,395, Dec. 15.
Permeameter, Portable. W. L. Morris. 2,633,015, Mar. 31.
Peroxides of unsaturated fatty acids and the like, Preparing. W. O. Lundberg. 2,636,890, Apr. 28.
Peroxidic compounds, Manufacture of. G. P. Armstrong, R. H. Hall, D. C. Quin, and K. H. W. Turck. 2,632,772–3, Mar. 24.
Perspiration absorbing device, Body supported. G. R. Hoffman, Jr. 2,636,175, Apr. 28.
Pessary. W. J. Heuboski and H. T. Milgrom. 2,664,082, Dec. 29.
Pest control chemicals. R. G. Campbell. 2,645,592, July 14.
Pesticidal compounds. M. Kleiman. 2,655,513–14, Oct. 13.
Petroleum distillates containing ammonium mahogany sulfonates and oil soluble carboxylic acids to prevent corrosion. F. M. Watkins. 2,632,694, Mar. 24.
Petroleum emulsions, Breaking. M. De Groote. 2,626,901–29, Jan. 27.
Petroleum herbicide emulsions. F. S. Rostler. 2,646,350, July 21.
Petroleum lubricating jelly. P. R. McCarthy. 2,662,058, Dec. 8.
Petroleum wax compositions containing a small amount of a polyethylene, Preparing. J. R. Bowman, W. P. Ridenour, and J. H. Whittaker. 2,638,459, May 12.
Pew, Adjustable church. J. W. Sutherland. 2,627,900, Feb. 10.
Pharmaceutical preparation for peptic ulcers. J. T. George. 2,638,433, May 12.
Pharmaceutical preparations. J. B. Miller. 2,649,918, Aug. 25.
Pharmaceutical product for dysmenorrhea. M. J. Lewenstein. 2,646,385, July 21.
Pharmacologically valuable stereoisomers of certain amino alcohols and their salts. C. Schöpf and K. J. Kunz. 2,661,372, Dec. 1.
Phase adjuster. N. I. Hall and C. A. Warren. 2,629,773, Feb. 24.
Phase balancing system. E. F. W. Alexanderson. 2,652,529, Sept. 15.
Phase changer. A. G. Clavier and D. L. Thomas. 2,663,847, Dec. 22.

Phase comparing system. K. M. Soukaras. 2,644,133, June 30.
Phase comparison electronic relay protective system. D. J. Marihart. 2,641,634, June 9.
Phase compensating means for alternating current lines. H. Forssell. 2,662,210, Dec. 8.
Phase contrast apparatus for metallographic microscopes. J. R. Benford. 2,660,923, Dec. 1.
Phase contrast observation. M. M. Françon. 2,657,614, Nov. 3.
Phase detector. L. Staschover and L. Rosenberg. 2,640,939, June 2.
Phase indicator. T. F. Carmichael. 2,634,404, Apr. 7.
Phase inverter circuits. W. Y. Pan. 2,626,321, Jan. 20.
Phase modulating apparatus. M. R. Ludwig. 2,629,060, Feb. 17.
Phase modulation system and apparatus. D. B. Harris. 2,635,226, Apr. 14.
Phase shift oscillating system. J. E. Bridges. 2,662,183, Dec. 8.
Phase shift system. J. E. Browder and V. J. Young. 2,627,598, Feb. 3.
Phase shifter. H. Sohon and H. F. Baker. 2,648,811, Aug. 11.
Phase shifting apparatus, High-frequency. R. B. Muchmore. 2,630,492, Mar. 3.
Phase shifting network. B. D. Bedford and H. L. Kellogg. 2,634,397, Apr. 7.
Phase shifting or delay network. M. Artzt. 2,641,645, June 9.
Phase splitting network. W. Saraga. 2,661,458, Dec. 1.
Phase-type direction finder system. W. D. McGuigan. 2,646,566, July 21.
Phasing and synchronizing device for facsimile machines. R. J. Wise. 2,630,495, Mar. 3.
Phasing clutch for facsimile receiver. C. E. Hunt, Jr. 2,629,777, Feb. 24.
Phenanthridine compounds. W. F. Short, D. A. Peak, and T. I. Watkins. 2,662,082, Dec. 8.
Phenol alcohol-epichlorohydrin reaction products. R. W. Martin. 2,659,710, Nov. 17.
Phenol-aldehyde-ketone resins. R. H. Sturm. 2,640,043, May 26.
Phenol and ketones by decomposition of hydroperoxides, Production of. L. J. Filar and M. A. Taves. 2,663,735, Dec. 22.
Phenol ether resins. L. H. Bock and L. J. Carlson. 2,649,436, Aug. 18.
Phenol-furfural resins, Manufacture of. J. McDonald. 2,640,045, May 26.
Phenol, Manufacture of. T. Bewley and F. J. Wilkins. 2,663,743, Dec. 22.
Phenol production. R. H. Saunders. 2,644,014, June 30.
Phenol removal from phenol-contaminated ammonia liquors. F. L. McIntire and D. P. Manka. 2,635,073, Apr. 14.
Phenolic compounds, Production of. F. M. Smith. 2,632,027, Mar. 17.
Phenolic ester resins. D. Aelony. 2,649,422, Aug. 18.
Phenolic resins, Modified. H. S. Bloch. 2,631,140, Mar. 10.
Phenolic varnish and process, Bodied. H. Schwartzberg. 2,636,017, Apr. 21.
Phenols and acyclic aldehydes, Production of. J. C. Conner, Jr. 2,661,375, Dec. 1.
Phenols and ketones, Manufacture of. B. V. Aller, R. H. Hall, D. C. Quin, and K. H. W. Turck. 2,628,984, Feb. 17.
Phenols, Manufacture of. B. V. Aller, R. H. Hall, D. C. Quin, and K. H. W. Turck. 2,628,983, Feb. 17.
Phenols, Production of. D. E. Winkler and H. D. Finch. 2,628,985, Feb. 17.
Phenthiazine derivatives. P. Charpentier. 2,645,640, July 14.
Phenylazomalononitriles, Substituted. M. W. Goldberg and A. I. Rachlin. 2,658,889, Nov. 10.
Phenyl methyl dialkoxy silane-polyhydric alcohol-dicarboxylic acid or anhydride reaction. M. J. Hunter and L. A. Rauner. 2,628,215, Feb. 10.
Phenylpropylamines, Substituted. A. W. Ruddy and T. J. Becker. 2,662,886, Dec. 15.
Phenylol silane-formaldehyde type resin. J. L. Speier, Jr. 2,645,630, July 14.
Phonograph. C. B. Dale. 2,628,845, Feb. 17.
Phonograph. C. B. Dale. 2,652,729, Sept. 22.
Phonograph. C. B. Dale, A. L. Berg, and H. H. Wagner. 2,652,258, Sept. 15.
Phonograph. R. J. Rockwell. 2,624,584, Jan. 6.
Phonograph apparatus, Automatic. H. E. F. C. Lingenbrink. 2,640,701, June 2.
Phonograph, Automatic. A. E. Comstock. 2,628,843–4, Feb. 17.
Phonograph, Automatic. E. A. Ebert. 2,644,565, July 7.
Phonograph, Automatic. S. D. Harman. 2,660,437, Nov. 24.
Phonograph, Automatic. F. H. Osborne. 2,631,856, Mar. 17.
Phonograph, Automatic. S. A. Stolberg. 2,637,559, May 5.
Phonograph cabinet. R. C. Carlson. 2,634,184, Apr. 7.
Phonograph control means. L. C. Ammlung, Jr. and J. A. Tourtellot. 2,654,457, Oct. 6.
Phonograph mechanism, Automatic. J. M. Baxter. 2,645,496, July 14.
Phonograph needle. F. C. Holtz, Jr. 2,660,438, Nov. 24.
Phonograph needle. K. Krisch. 2,629,605, Feb. 24.
Phonograph pickup. E. E. Combs. 2,640,888, June 2.
Phonograph pickup. H. J. Smits. 2,658,115, Nov. 3.
Phonograph pickup apparatus, Improved. B. B. Bauer. 2,632,260, Sept. 15.
Phonograph pickup device and the like. H. E. Roys. 2,658,763, Nov. 10.
Phonograph pickup, Dual stylus. R. H. Dreisbach. 2,634,336, Apr. 7.
Phonograph pickup mounting. P. C. Goldmark. 2,647,753, Aug. 4.
Phonograph record. A. R. Ellsworth. 2,631,859, Mar. 17.
Phonograph record automatic changing device. B. J. Jabionski. 2,626,157, Jan. 20.
Phonograph record cabinet construction. A. C. Sides. 2,626,196, Jan. 20.
Phonograph, Record changing. J. S. Zandelin. 2,641,474, June 9.
Phonograph record demonstrator. A. Lissiansky. 2,626,158, Jan. 20.
Phonograph record housing. L. Sukoff. 2,624,646, Jan. 6.
Phonograph record rack. D. D. Pauldine. 2,635,936, Apr. 21.
Phonograph selector system. H. H. Vanderzee and R. A. McCallum. 2,634,402, Apr. 7.
Phonograph spindle aperture reducer. W. H. Myers. 2,645,499, July 14.
Phonograph stylus. B. B. Bauer. 2,641,475, June 9.
Phonograph stylus. E. V. Carlson. 2,631,858, Mar. 17.
Phonograph tone arm. L. J. Andres. 2,643,887, June 30.
Phonograph tone arm. H. E. F. C. Lingenbrink. 2,625,400, Jan. 13.
Phonograph turntable mechanism. A. W. Sear. 2,627,414, Feb. 3.
Phonograph with movable loading support and stack aligning member, Automatic record changer. B. N. Fisher. 2,637,558, May 5.
Phonograph with three-speed turntable driving mechanism. A. K. Tateishi. 2,650,504, Sept. 1.
Phonographic reproducing machine. R. M. Somers. 2,660,623, Nov. 24.
Phonographs and the like. E. W. Mortimer and E. W. Wilkins. 2,640,700, June 2.
Phonomotor or a small-type electric motor for phonographs. S. Akai. 2,642,750, June 23.
Phosphate coating composition and process. M. Hyams and A. Nicholson. 2,657,156, Oct. 27.
Phosphate ester, Producing. A. Pechukas. 2,624,750, Jan. 6.
Phosphor coating process. L. R. Koller. 2,659,679, Nov. 17.
Phosphor manufacture. H. H. Homer. 2,647,086, July 28.
Phosphor suspension and applying. H. H. Homer. 2,647,066, July 28.
Phosphorescent coated sheet material. J. Goldstein. 2,650,169, Aug. 25.
Phosphorescent yarns and producing same. J. Goldstein. 2,635,969, Apr. 21.
Phosphoric acid anhydrides, Manufacture of. H. Tolkmith. 2,654,784, Oct. 6.
Phosphoric acid catalyst, Production of. J. M. Mavity. 2,650,201, Aug. 25.
Phosphoric acid derivatives and preparing the same. R. P. Parker, D. R. Seeger, and E. Kuh. 2,663,705, Dec. 22.
Phosphoric acid-group IV metal oxide containing catalyst, Manufacture of. M. S. Bielawski and J. M. Mavity. 2,656,323, Oct. 20.
Phosphorizing apparatus. J. R. Wyatt. 2,634,027, Apr. 7.
Phosphorous oxychloride and ammonia reaction products in flame retarding compositions applied to cellulosic materials. M. L. Nielsen. 2,661,263, Dec. 1.
Phosphorous oxychloride-anhydrous ammonia reaction products and water-soluble resin compositions for rendering cellulosic materials fire resistant. J. E. Malowan. 2,661,342, Dec. 1.
Phosphorus-containing derivatives of M-amino-phenols. A. L. Morrison and F. R. Atherton. 2,638,478, May 12.
Phosphorus-containing lubricating oil additives. A. H. Matuszak and C. A. Weisel. 2,643,261, June 23.
Phosphorus-containing organic compounds. G. S. Hartley and D. W. Pound. 2,649,464, Aug. 18.
Photocell. O. T. McIlvaine. 2,654,819, Oct. 6.
Photocell amplifier construction. J. I. Pantchechnikoff. 2,629,802, Feb. 24.
Photocell controlled safety system for fuel burners. E. C. Thomson. 2,624,398, Jan. 6.
Photocell mounting device. B. E. Shaw. 2,631,247, Mar. 10.
Photocell sensitive to electromagnetic radiations. G. Tommasi. 2,641,711, June 9.
Photochemical preparation of 17,20-hydroxy-ketones of the pregnane series. K. Miescher and J. Schmidlin. 2,662,854, Dec. 15.
Photochemical production of branched paraffinic hydrocarbons. H. E. Cier. 2,640,023, May 26.
Photochemical production of branched paraffinic hydrocarbons. J. L. Franklin, Jr. 2,636,853, Apr. 28.
Photochemical production of naphthenic hydrocarbons. H. E. Cier. 2,636,854, Apr. 28.

Photochemical preparation of tropilidenes. W. V. Doering and L. H. Knox. 2,647,081, July 28.
Photochemical production of benzene hexachloride. L. A. Miller, J. H. Dunn, and C. M. Neher. 2,656,313, Oct. 20.
Photochemical production of olefinc hydrocarbons. H. G. Schutze and H. E. Cler. 2,655,474, Oct. 13.
Photochemical production of 7-bromocholesteryl esters. H. Schaltegger. 2,633,451, Mar. 31.
Photochemical reactor, Two-stage. L. J. Governale, A. B. Horn, Jr., and H. E. O'Connell. 2,662,186, Dec. 8.
Photocomposing apparatus. R. W. Wirtz. 2,646,731, July 28.
Photocomposing machine. E. W. Dinga. 2,624,798, Jan. 6.
Photocomposing mechanism. R. W. Wirtz. 2,649,036, Aug. 18.
Photoconductive cell. N. C. Anderson. 2,636,100, Apr. 21.
Photoconductive coatings, Producing. E. Schwarz. 2,636,855, Apr. 28.
Photoconductive target for cathode-ray devices. R. R. Goodrich. 2,654,852, Oct. 6.
Photoelectric apparatus. P. K. Weimer. 2,654,853, Oct. 6.
Photoelectric apparatus for determining the effective buoyancy of a float submerged in a fluid medium. K. J. I. Groth, K. M. E. Hellsten, and K. E. Sandegren. 2,635,461, Apr. 21.
Photoelectric batching weigher. O. S. Carliss. 2,650,790, Sept. 1.
Photoelectric cell coupling circuit. J. J. De Muth. 2,628,316, Feb. 10.
Photoelectric cell coupling circuit. K. Singer. 2,628,317, Feb. 10.
Photoelectric cell having a light sensitive electron emissive cathode. R. J. Herbold. 2,656,477, Oct. 20.
Photoelectric control circuit. J. B. Powers. 2,627,347, Feb. 3.
Photoelectric device. R. J. Kircher. 2,641,712, June 9.
Photoelectric device. R. L. Vance. 2,636,128, Apr. 21.
Photoelectric device, Semiconductor. J. N. Shive. 2,641,713, June 9.
Photoelectric engraving, Process and apparatus for. C. E. Ernst. 2,638,500, May 12.
Photoelectric inspecting and sorting apparatus. C. T. Nemir. 2,645,343, July 14.
Photoelectric iris, Automatically controlled. H. A. Gray, Jr. 2,655,848, Oct. 20.
Photoelectric marksmanship apparatus. D. E. Hooker. 2,629,598, Feb. 24.
Photoelectric selector of electric circuits. J. Urteaga. 2,624,787, Jan. 6.
Photoelectric semiconductor device. T. H. Kinman. 2,640,901, June 2.
Photoelectric sorting apparatus. D. C. Cox. 2,625,265, Jan. 13.
Photoelectric Sorting of Small Articles. N. Frankel. 2,646,880, July 28.
Photoelectric speed control. W. I. Bendz. 2,632,855, Mar. 24.
Photoelectric translating system. B. F. Miessner. 2,654,810, Oct. 6.
Photoelectrically controlled loom protection. A. C. Krukonis. 2,664,116, Dec. 29.
Photoflash equipment for multiple flash. M. Schwartz and W. Castedello. 2,638,764, May 19.
Photoflash gun. M. N. Fairbank. 2,646,672, July 28.
Photoflash lamp. N. C. Beese. 2,651,189, Sept. 8.
Photoflash synchronizing mechanism. G. N. Smith. 2,654,299, Oct. 6.
Photoflash synchronizing mechanism for focal plane shutter cameras. A. Wagner, A. Bröhl, and W. Jung. 2,646,734, July 28.
Photogrammetrical plotting projector apparatus for radial nadir point triangulation. U. Nistri. 2,625,074, Jan. 13.
Photographic and view finder lens turret coupling for photographic cameras. A. C. Mueller. 2,653,528, Sept. 29.
Photographic antiplumming agents and compositions containing them. E. B. Knott and P. K. Brooks. 2,657,136, Oct. 27.
Photographic camera construction. W. Knauf. 2,629,301, Feb. 24.
Photographic color recording machine. J. W. Bryce. 2,641,976, June 16.
Photographic color reproduction process. L. M. Condax. 2,652,327, Sept. 15.
Photographic composing apparatus. R. Higonnet and L. Moyroud. 2,652,755, Sept. 22.
Photographic contact frame. A. and R. Pleydell and J. F. McIntyre. 2,637,255, May 5.
Photographic copying apparatus. E. Goldberg. 2,652,744, Sept. 22.
Photographic developer containing a pyridinium salt and process of development. L. G. Wellver and C. E. Johnson. 2,648,604, Aug. 11.
Photographic developers containing diamino-propanol tetracetic acid. R. W. Henn and D. E. Piper. 2,656,273, Oct. 20.
Photographic developing apparatus. K. Wiebalck. 2,656,773, Oct. 27.
Photographic diazotype composition and heat development thereof. H. G. Greig. 2,653,091, Sept. 22.
Photographic dye solution. C. E. Payne. 2,652,343, Sept. 15.
Photographic element and process of coating, Light-sensitive. C. Weaver. 2,647,835, Aug. 4.
Photographic element, Color. H. von Fraunhofer, H. Verkinderen, and L. Meeussen. 2,659,671, Nov. 17.
Photographic element for color photography and producing multicolor pictures. E. H. Land. 2,647,049, July 28.
Photographic element, Light-sensitive. H. I. Davis. 2,649,375, Aug. 18.
Photographic element, Light-sensitive. L. J. Webster. 2,626,867, Jan. 27.
Photographic emulsion sensitized with gold compounds and sulfur sensitizers. R. G. Tarkington and W. G. Lowe. 2,624,674, Jan. 6.
Photographic emulsion with colored couplers containing isophthalic ester groups. B. Graham, P. W. Vittum, and A. Weissberger. 2,657,134, Oct. 27.
Photographic emulsions and solutions containing thioglycolic acid derivatives. W. G. Lowe and M. E. Hamshire. 2,657,135, Oct. 27.
Photographic emulsions containing sensitizing dyes. J. C. Firestine. 2,647,050, July 28.
Photographic emulsions containing sensitizing dyes. W. H. Vinton and J. C. Firestine. 2,647,051, July 28.
Photographic emulsions containing sensitizing dyes. W. H. Vinton and J. C. Firestine. 2,647,054, July 28.
Photographic emulsions containing symmetrical carbocyanine dyes. W. H. Vinton. 2,647,053, July 28.
Photographic emulsions, Preparation of. R. E. Damschroder. 2,646,426, July 21.
Photographic enlarger. W. Baasner and K. Huber. 2,625,075, Jan. 13.
Photographic exposure calculator. P. H. Carquillat. 2,660,375, Nov. 24.
Photographic film, Antistatic. D. R. Morey and W. R. White. 2,639,234, May 19.
Photographic film developing composition containing beta, beta'-dichloroethyl ether. L. A. Robbins. 2,657,138, Oct. 27.
Photographic film elements. S. H. Patten. 2,647,836, Aug. 4.
Photographic film unit containing a liquid, Sealed. E. H. Land. 2,627,460, Feb. 3.
Photographic film unit having a frangible fluid container therein. E. H. Land. 2,627,459, Feb. 3.
Photographic films having a stripping layer composed of a mixture of ethyl cellulose and cellulose nitrate. C. F. A. White and J. R. Hill. 2,638,417, May 12.
Photographic light comparator for determining diaphragm adjustment. H. D. McCarty. 2,649,017, Aug. 18.
Photographic method for making geographic maps. G. E. A. Falk. 2,650,517, Sept. 1.
Photographic objective comprising three members separated by airspaces, Five-lens. A. W. Tronnier. 2,645,156, July 14.
Photographic objective comprising two half systems enclosing the diaphragm, Corrected four-unit. A. W. Tronnier. 2,627,205, Feb. 3.
Photographic objective consisting of two outer negative doublets and two inner positive singlets. W. E. Schade. 2,635,505, Apr. 21.
Photographic objective, Deep focus. S. E. Garutso. 2,651,238, Sept. 8.
Photographic objective, Five-lens. A. W. Tronnier. 2,645,154, July 14.
Photographic objective, Four-member. J. Orel. 2,641,966, June 16.
Photographic objective, Large aperture. P. Angénieux. 2,649,021, Aug. 18.
Photographic objective, Modified Gauss-type four-component. A. W. Tronnier. 2,649,023, Aug. 18.
Photographic objective of high light-transmitting capacity, Four-component Gauss-type. A. W. Tronnier. 2,627,204, Feb. 3.
Photographic objective of high light-transmitting capacity of the Gauss type. A. W. Tronnier. 2,645,155, July 14.
Photographic objective of the triplet type. H. Lowenthal. 2,645,157, July 14.
Photographic objective system, Highly corrected image producing. H. Tiller. 2,651,970, Sept. 15.
Photographic objective with anastigmatic flattened field, Modified Gauss-type high-speed. A. W. Tronnier. 2,662,447, Dec. 15.
Photographic paper having good curl characteristics, Preparation of. G. G. Gray. 2,659,680, Nov. 17.
Photographic plate or film holder. F. V. Hasselblad. 2,656,771, Oct. 27.
Photographic plates, Framed. W. Rabkin and L. Baron. 2,647,834, Aug. 4.
Photographic print-receiving sheet, Composite. W. J. McCune, Jr. 2,653,530, Sept. 29.
Photographic print treating apparatus. A. W. Caps. 2,650,527, Sept. 1.
Photographic printing frame. W. S. Christiansen and A. C. Rissberger, Jr. 2,641,979, June 16.
Photographic process for forming a positive transfer image. E. H. Land. 2,644,756, July 7.
Photographic processing apparatus. A. J. Bachelder and O. E. Wolff. 2,638,828, May 19.

Photographic product and processes for forming a white image viewable against a dark background. E. H. Land. 2,647,055, July 28.
Photographic product comprising a rupturable container carrying a liquid for processing said product. E. H. Land. 2,653,872, Sept. 29.
Photographic product containing a strippable mask. H. G. Rogers and W. J. McCune, Jr. 2,659,673, Nov. 17.
Photographic product for carrying out a one-step photographic process. O. E. Wolff and M. N. Fairbank. 2,644,755, July 7.
Photographic product for forming a transfer image. E. H. Land. 2,639,233, May 19.
Photographic shutter with adjustable flash synchronizing mechanism. K. Gebele. 2,655,085, Oct. 13.
Photographic shutter with flash synchronizer. K. Gebele. 2,650,526, Sept. 1.
Photographic shutter with synchronizer. G. P. Pirwitz. 2,627,214, Feb. 3.
Photographic shutter with synchronizer. F. A. and G. P. Pirwitz, J. H. Sutton, and G. H. Schlueter. 2,627,215, Feb. 3.
Photographic silver halide developing solutions containing calcium precipitation inhibitors. R. W. Henn. 2,625,476, Jan. 13.
Photographic silver halide emulsion containing symmetrical carbocyanine dyes. E. L. Martin. 2,647,052, July 28.
Photographic silver halide emulsions sensitized with water-insoluble gold compounds. R. E. Damschroder and H. C. Yutzy. 2,642,361, June 16.
Photographic slide binder. G. W. Mack. 2,643,017, June 23.
Photographic slide ejector-receptacle. G. J. Kollock. 2,626,197, Jan. 20.
Photographic system, Oscilloscope. L. R. Spaulding. 2,633,403, Mar. 31.
Photographic telecobjective having a composite positive front part axially spaced from a composite negative rear part. A. W. Tronnier. 2,662,446, Dec. 15.
Photographic time recording. J. C. Beckman and E. M. Whitley. 2,641,523, June 9.
Photographic transfer process, One step. E. H. Land. 2,647,056, July 28.
Photographic transfer processes and compositions for the practice of said processes. E. H. Land. 2,662,822, Dec. 15.
Photographic transfer product and process. E. H. Land. 2,635,048, Apr. 14.
Photographic unit having synchronized shutter and light source, Automatic. G. Bucky. 2,638,039, May 12.
Photographically light-sensitive silver halide-diazide colloid layers. M. K. Reichel and W. Neugebauer. 2,663,640, Dec. 22.
Photographing machine, Document. A. Briechle. 2,642,773, June 23.
Photographing machine, Document. R. M. Hessert. 2,627,203, Feb. 3.
Photometer, Comparative. A. A. Brown. 2,626,989, Jan. 27.
Photometer, Electronic. J. J. Shapiro. 2,647,436, Aug. 4.
Photometer, Frequency modulated. A. H. Canada. 2,648,249, Aug. 11.
Photopolymerization of acrylic esters, Light-stabilized. R. M. Joyce. 2,647,080, July 28.
Photopolymerization of vinyl trifluorochloroethyl ether. J. K. Lawson, Jr. 2,631,975, Mar. 17.
Photopolymerization process. E. G. Howard, Jr. 2,661,331, Dec. 1.
Photopolymerization process and compositons. C. C. Sachs and J. Bond. 2,641,576, June 9.
Photoprint ejector. D. Ferguson. 2,651,244, Sept. 8.
Photoprinting apparatus. L. Baker. 2,654,300, Oct. 6.
Photoprinting machine, Cylindrical. H. J. Brunk. 2,641,980, June 16.
Photoprinting materials, Diazotype. W. P. Leuch. 2,659,672, Nov. 17.
Photoprinting process, Diazotype. S. C. Slifkin. 2,655,448, Oct. 13.
Photorecording means. F. G. Dedek. 2,652,754, Sept. 22.
Photorelay circuit. N. D. Glyptis. 2,627,036, Jan. 27.
Photoreproduction device. F. P. Robbins. 2,652,757, Sept. 22.
Photosensitive detection apparatus. C. Sundstrom and P. L. Fairbanks. 2,639,418, May 19.
Photo-sensitive printing plate having a light sensitive coating consisting of a colloid, a phosphate and a chromium compound. F. H. Frost and F. E. Brinnick. 2,624,672, Jan. 6.
Photo-sensitive printing plate having a light sensitive coating consisting of a nonprotein colloid, a phosphate and a chromium compound. F. H. Frost and F. E. Brinnick. 2,624,673, Jan. 6.
Photosensitively opacifiable glass. S. D. Stookey. 2,651,145, Sept. 8.
Photothermography, printing sheet, and printing ink therefor. A. Murray. 2,629,671, Feb. 24.
Photovoltaic cell. E. E. Falkenthal. 2,643,277, June 23.
Phthalide compounds and their preparation. J. H. Boothe and S. Kushner. 2,650,234, Aug. 25.
Phthalocyanine coloring matters, Producing. H. B. Gottlieb. 2,645,643, July 14.
Physiological tone control circuit. H. A. Broos. 2,657,363, Oct. 27.
Physiotherapeutic device. D. K. McMennamy. 2,626,600, Jan. 27.
Piano action. P. F. Murdock. 2,637,238, May 5.
Piano key action. C. F. Smith. 2,634,648, Apr. 14.
Piano keyboard. J. Robbins. 2,627,777, Feb. 10.
Piano string-plate mounting. H. F. Russell. 2,648,245, Aug. 11.
Pick for tubular locks. H. G. Wilson. 2,655,808, Oct. 20.
Pick-off device. W. C. Fillebrown. 2,633,028, Mar. 31.
Pickup and stylus therefor, Two-sided. B. B. Bauer. 2,631,857, Mar. 17.
Pick-up and transfer means, Liquid. H. E. Shearer. 2,646,312, July 28.
Pickup arm having a rotatable cartridge with two needles. W. Miller and J. L. D. Morrison. 2,645,498, July 14.
Pickup bale loader. I. Z. Smoker. 2,656,030, Oct. 20.
Pickup cartridge and tone arm assembly for phonographs. M. Palo and A. L. Dvorsky. 2,653,191, Sept. 22.
Pickup construction. S. D. Russell. 2,627,159, Feb. 3.
Pickup device, Audio. C. C. McCracken. 2,643,729, June 30.
Pickup device for use with balance testing machines. I. A. Weaver. 2,650,961, Sept. 1.
Pickup for gauging devices, Electromagnetic. E. W. Graham. 2,627,119, Feb. 3.
Pickup mechanism. O. E. Hintz. 2,656,670, Oct. 27.
Pickup member for lawn debris. R. G. Hoopingarner. 2,630,663, Mar. 10.
Picker mechanism for looms, Pneumatically operated. C. G. Scott. 2,644,489, July 7.
Picker stick check. C. W. Franklin. 2,646,826, July 28.
Picker stick, Composite. R. A. Hagstrom. 2,655,949, Oct. 20.
Picking buckets and cushioning liners therefor, Combination of. H. V. Burnett. 2,630,938, Mar. 10.
Picking mechanism for looms. R. F. Dion. 2,625,180, Jan. 13.
Picking shaft for weaving looms. J. Picanol. 2,642,093, June 16.
Picking shoe for looms. F. W. Ames. 2,631,615, Mar. 17.
Pickling. R. M. Drews and H. L. Farling. 2,653,115, Sept. 22.
Pickling apparatus, Continuous. L. T. Campbell. 2,650,599, Sept. 1.
Picnic box. N. B. Martin and E. K. Lotthammer. 2,645,332, July 14.
Picnic box. B. V. Perkins. 2,627,970, Feb. 10.
Picnic cloth holder. S. J. Disera. 2,647,718, Aug. 4.
Pictorial representation reproducing head. N. R. Gunderson. 2,628,150, Feb. 10.
Picture and mirror holder. C. Manczek and E. K. Lotthammer. 2,632,971, Mar. 31.
Picture and sound synchronizing method and system. J. B. Fairbanks. 2,649,016, Aug. 18.
Picture frame. H. Detje. 2,656,632, Oct. 27.
Picture frame. J. M. Fielding. 2,634,531, Apr. 14.
Picture frame holder. H. A. Prew. 2,651,867, Sept. 15.
Picture hanger. J. I. Krogh. 2,641,427, June 9.
Picture hanger. H. L. White. 2,657,887, Nov. 3.
Picture hanging bracket. M. R. Hoag. 2,639,109, May 19.
Picture projection screen apparatus, Outdoor. P. J. Corso and P. A. Romano. 2,651,234, Sept. 8.
Picture screen stand. L. J. Du Mais. 2,659,559, Nov. 17.
Picture unit for stereopticons. G. P. Bentley and F. House. 2,647,437, Aug. 4.
Picture viewing device, Collapsible. J. P. Gowland. 2,662,442, Dec. 15.
Piezoelectric crystal and making it. J. D. Holmbeck. 2,626,363, Jan. 20.
Piezoelectric crystal lapping apparatus. J. M. Wolfskill. 2,634,558, Apr. 14.
Piezoelectric crystal unit. A. W. Ziegler. 2,657,320, Oct. 27.
Piezoelectric device. H. Jaffe. 2,661,433, Dec. 1.
Piezoelectric device. J. E. Mumper. 2,661,432, Dec. 1.
Piezoelectric transducer. W. L. Cherry, Jr. 2,640,889, June 2.
Pig iron, Producing. E. Edwin. 2,661,278, Dec. 1.
Pigment dispersions in water. L. Auer. 2,637,711, May 5.
Pigment paste. A. E. Van Wirt and G. F. Jones. 2,656,327, Oct. 20.
Pigment pastes comprising a pigment and a salt of a copolymer of styrene and a maleic half-ester. F. J. Hahn. 2,647,094, July 28.
Pigmented organic plastics and preparing the same. V. C. Vesce. 2,649,382, Aug. 18.
Pigmented spinning solution, Making. H. Paul and J. T. Watts. 2,661,299, Dec. 1.
Pile-driving. L. Hart. 2,663,152, Dec. 22.
Pile fabric. W. E. Cowie and A. E. Blouin. 2,656,586, Oct. 27.
Pile fabric. R. J. Jackson. 2,662,560, Dec. 15.
Pile fabric. E. D. Lacey. 2,662,227, Dec. 15.
Pile fabric. E. P. Mersereau, Jr., and J. C. Wetherill. 2,662,558, Dec. 15.
Pile fabric. P. Miller. 2,662,559, Dec. 15.
Pile fabric loom. S. P. Parker. 2,638,934, May 19.

Pile regulator. H. H. C. Richards, Jr. 2,627,007, Jan. 27.
Pill injector. J. Heidrich. 2,643,653, June 30.
Pillow adjuster for automobile mechanic's creeper. R. J. Lowe. 2,650,372, Sept. 1.
Pillowcase. H. A. Kethledge. 2,637,861, May 12.
Pillows, Adjustable fillerless stretched. K. E. Mira. 2,663,881, Dec. 29.
Pilot apparatus, Inertia controlled. L. B. Lynn. 2,632,455, Mar. 24.
Pilot, Automatic. J. W. Anderson. 2,633,314, Mar. 31.
Pilot, Automatic. J. W. Anderson and R. R. Chapman. 2,662,705, Dec. 15.
Pilot, Automatic. W. L. Huntington. 2,662,704, Dec. 15.
Pilot, Automatic. G. W. Rusler. 2,634,391, Apr. 7.
Pilot bit for earth augers. G. A. Petersen. 2,639,122, May 19.
Pilot controlled fluid pressure operated valve. H. C. Rahn. 2,634,754, Apr. 14.
Pilot controlled pressure relief valve. J. M. and F. H. Towler. 2,655,174, Oct. 13.
Pilot controlled valve for fire extinguishing systems. J. C. Hesson. 2,624,365, Jan. 6.
Pilot for aircraft, Automatic. G. F. Jude, J. C. Newton, R. S. Brannin, and P. Halpert. 2,636,699, Apr. 28.
Pilot for mobile craft, Automatic. A. M. MacCallum and C. Russell. 2,643,354, June 23.
Pilot operated fluid pressure regulator. G. C. Hughes. 2,624,980, Jan. 13.
Pilot operated free return resistance valve. J. K. and W. G. Douglas. 2,656,854, Oct. 27.
Pilot operated quick opening control valve. J. F. Ziskal. 2,625,177, Jan. 13.
Pilot operated regulating valve. P. Spence. 2,639,556, May 26.
Pilot operated relief valve. W. A. Forde. 2,625,174, Jan. 13.
Pilot operated time controlled gate valve. R. A. Spengler. 2,664,107, Dec. 29.
Pilot-operated valve. W. W. Carson, Jr. 2,635,636, Apr. 21.
Pilot operated valve. G. M. Geiger. 2,661,017, Dec. 1.
Pilot-operated valve. P. Spence. Re. 23,675, June 30.
Pilot regulator. A. S. Parks. 2,637,947, May 12.
Pilot structure, Railway. T. R. Gilchrist. 2,632,572, Mar. 24.
Pilot structure, Railway. A. C. Wintemberg and G. E. Jones. 2,632,403, Mar. 24.
Pilot turn control system, Aircraft automatic. P. Halpert. 2,630,282, Mar. 3.
Pilot valve and main gate, Solenoid operated. O. L. Wilkinson and O. A. Wright. 2,650,616, Sept. 1.
Pilot valve and main valve, Solenoid operated. J. Marinelli. 2,663,319, Dec. 22.
Pilot valve controlled motor valve. C. L. Seefluth and T. A. St. Clair. 2,635,631, Apr. 21.
Pin: *See*—
- Adjustable dowel pin.
- Bobby pin.
- Dolly pin.
- Interchangeable dual trailer coupling pin.
- Laminated bowling pin.
- Reinforced wooden bowling pin.
- Removable guide pin.
- Rolling pin.
- Safety pin.
- Shuffleboard pin.
- Tie forming and holding pin.
- Venetian blind tape retaining pin.

Pin. H. E. Love, Jr. 2,624,087, Jan. 6.
Pin and retainer. W. H. Baselt. 2,629,281, Feb. 24.
Pin assembly, Piston wrist. M. A. Elliott. 2,664,327, Dec. 29.
Pin curl clip. V. Caserta. 2,659,378–9, Nov. 17.
Pin curl clip. L. E. Thatcher. 2,641,266, June 9.
Pin curl clip container. Y. A. Levesque. 2,631,735, Mar. 17.
Pin curler for cold waving. E. G. Harrington. 2,625,941, Jan. 20.
Pin fastener. J. E. Sampson. 2,625,725, Jan. 20.
Pin fastener. L. D. Sumner. 2,644,211, July 7.
Pin fastener with hinged end. A. G. Wistedt. 2,645,833, July 21.
Pin for aircraft landing gear, Metering. M. D. Etherton. 2,655,232, Oct. 13.
Pin mixer. R. R. Teale. 2,639,901, May 26.
Pin mixer. R. R. Teale. 2,641,453, June 9.
Pin or bolt, Pivot. W. R. Petersen. 2,661,970, Dec. 8.
Pin pulling machine. L. and S. Polselli. 2,628,070, Feb. 10.
Pin retaining means for bowling alleys. H. S. and W. H. Johns. 2,652,253, Sept. 15.
Pin-setting machine, Automatic. C. H. Bauerschmidt. 2,628,098, Feb. 10.
Pin spotter for miniature bowling games. R. G. Lowry. 2,626,154, Jan. 20.
Pin sweeping device. W. Blair. 2,656,187, Oct. 20.
Pinticket manufacturing and attaching machine. R. W. Clauss. 2,650,538, Sept. 1.
Pincers with jaw locking means. V. Marasco. 2,635,496, Apr. 21.
Pinch clamp. G. H. Myrick. 2,653,787, Sept. 29.
Pineapple box with stacking feature and hinged end gate. W. L. Hole. 2,626,076, Jan. 20.
Pinion cutting machine, Automatic. A. Bechler. 2,664,032, Dec. 29.
Pinking shears cutters, Making. S. Shaler. 2,636,402, Apr. 28.
Pintle or the like structural element for hinged seams. G. B. Hall. 2,629,909, Mar. 3.
Pinyl thiophene. G. C. Johnson. 2,658,901, Nov. 10.
Pipe: *See*—
- Coated pipe.
- Dripless steam shower pipe.
- Insulated flue pipe.
- Intake pipe.
- Lock joint cradle invert underdrain pipe.
- Metal plated smoking pipe.
- Longitudinally seamed pipe.
- Reinforced concrete pipe.
- Smoker's pipe.
- Smoking pipe.
- Tobacco pipe.
- Tobacco smoking pipe.

Pipe accessory. P. E. Narragon. 2,633,137, Mar. 31.
Pipe aligning device. H. A. Mearns. 2,638,069, May 12.
Pipe and casing tongs. F. E. Smith. 2,639,894, May 26.
Pipe and cigarette holder, Tobacco. R. E. Barry. 2,639,717, May 26.
Pipe and conduit construction, Resistant. H. W. Jewell. 2,637,346, May 5.
Pipe and coupling therefor, Double walled. A. Kinkead. 2,650,112, Aug. 25.
Pipe and fitting connection, Sheet metal. S. Epstein. 2,650,114, Aug. 25.
Pipe and insulation structure. J. W. Kice. 2,625,263, Jan. 13.
Pipe and making the same. P. R. Hirsh. 2,662,555, Dec. 15.
Pipe and pipe fittings, Plastic-coated. W. C. Ferguson. 2,646,822, July 28.
Pipe ash ejector. J. Di Federico and N. S. Di Lorenzo. 2,649,762, Aug. 25.
Pipe assembly, Jet. H. Zieboiz. 2,633,385, Mar. 31.
Pipe assembly, Jet pump. J. E. Armstrong. 2,649,742, Aug. 25.
Pipe bending and straightening machine. P. W. Esslinger. 2,661,788. Dec. 8.
Pipe boom supporting apparatus. J. M. Lewis. 2,657,667, Nov. 3.
Pipe bundling machine. J. W. Mathey. 2,631,526, Mar. 17.
Pipe carrying clamp. C. L. Kelso. 2,655,401, Oct. 13.
Pipe clamp. L. Deutsch and E. C. Busch. 2,649,640, Aug. 25.
Pipe cleaner coupling. J. H. Allen. 2,632,450, Mar. 24.
Pipe cleaning apparatus. H. H. Rudolph and J. V. O'Brien. 2,661,489, Dec. 8.
Pipe cleaning apparatus, Sewer. G. I. Pierce. 2,641,009, June 9.
Pipe cooling arrangement for high-speed continuous mills. B. Bannister. 2,658,257, Nov. 10.
Pipe coupling. E. M. Dons and J. V. Stevens. 2,626,820, Jan. 27.
Pipe coupling. B. F. Galluppi. 2,653,040. Sept. 22.
Pipe coupling. J. J. and H. D. McGillis. 2,631,049, Mar. 10.
Pipe coupling. R. E. Risley and G. D. Kish. 2,648,551, Aug. 11.
Pipe coupling. J. B. Smith. 2,647,769. Aug. 4.
Pipe coupling. E. H. Taylor. 2,650,115, Aug. 25.
Pipe coupling device for pneumatic systems. S. W. Alderson. 2,648,199, Aug. 11.
Pipe coupling for suction lines, Valved. A. E. Anderson. 2,647,767, Aug. 4.
Pipe cutter. E. C. Harding. 2,639,501, May 26.
Pipe cutter or reamer for use on crooked pipe. E. L. Condra. 2,638,320, May 12.
Pipe driving point. F. E. Dannheim. 2,631,823, Mar. 17.
Pipe ejecting apparatus. H. D. Boggs. 2,630,600, Mar. 10.
Pipe feeding device. W. A. Kraner. 2,626,717, Jan. 27.
Pipe fitting, Valved. G. M. Dupuy. 2,641,485, June 9.
Pipe fittings and the like, Manufacturing. F. Ziherl. 2,647,303, Aug. 4.
Pipe flange connection. R. P. Sturgis. 2,645,506, July 14.
Pipe gripping mechanism for power tongs. C. A. Lundeen. 2,650,070, Aug. 25.
Pipe grooving tool. J. H. Krooss. 2,634,643, Apr. 14.
Pipe guide, Power drill. P. M. Ussery. 2,631,822, Mar. 17.
Pipe handle adapter. F. N. Willms. 2,655,300, Oct. 13.
Pipe handler, Automatic. W. R. King. 2,643,006, June 23.
Pipe handling apparatus. B. W. Gray. 2,643,007, June 23.
Pipe handling device. B. P. La Mulle. 2,652,160, Sept. 15.
Pipe holster. C. S. Jensen. 2,654,514. Oct. 6.
Pipe jack and adapter. R. J. Cooper. 2,654,569, Oct. 6.
Pipe joint. P. David. 2,657,079. Oct. 27.
Pipe joint intersector. S. A. Grubich. 2,647,319, Aug. 4.
Pipe joint seal, Pressure responsive, A. L. Stone. 2,631,871. Mar. 17.
Pipe jointing composition. R. B. Seymour and W. R. Pascoe. 2,662,019. Dec. 8.
Pipe joints, Making. R. B. Seymour and W. R. Pascoe. 2,661,500. Dec. 8.
Pipe laying apparatus. F. M. Reising. 2,656,800. Oct. 27.
Pipe lifter. R. W. Lewis. 2,653,006, Sept. 22.
Pipe lighting attachment for lighters. R. S. Eggleston. 2,629,999, Mar. 3.

Pipeline cleaning and polishing device. R. F. Hadley, J. G. Daugherty, and F. A. Young. 2,657,506, Nov. 3.
Pipe line fitting. L. S. Hamer. 2,649,117, Aug. 18.
Pipe line, Mobile. W. O. Beyer. 2,642,311, June 16.
Pipe line scraper. J. E. Hinzman. 2,636,202, Apr. 28.
Pipe-line switch and diverter, Combined. T. J. Glaza. 2,639,196, May 19.
Pipe nipple chuck. A. L. Fladung. 2,656,191, Oct. 20.
Pipe plug receptacle and insulator, Combined. R. R. Esher. 2,628,264, Feb. 10.
Pipe preconditioner. H. B. Grow. 2,659,375, Nov. 17.
Pipe protector. R. E. Pfaumer. 2,650,619, Sept. 1.
Pipe puller. H. L. James. 2,654,567, Oct. 6.
Pipe puller. E. F. Sheak. 2,628,820, Feb. 17.
Pipe puller. A. B. Wilson. 2,626,831, Jan. 27.
Pipe pulling device, Hydraulic. B. Johnston. 2,640,681, June 2.
Pipe pushing device. A. L. Fladung. 2,656,148, Oct. 20.
Pipe reconditioning machine. O. R. Smith. 2,641,008, June 9.
Pipe reforming clamp. O. R. Smith. 2,632,417, Mar. 24.
Pipe releasing means. C. R. Edwards. 2,647,727, Aug. 4.
Pipe repair clamp. T. L. Smith. 2,643,137, June 23.
Pipe repair sleeve. E. L. Condra. 2,638,987, May 19.
Pipe seasoner and rejuvenator, Smoking. S. Bellinghieri. 2,639,716, May 26.
Pipe severing method and apparatus. G. A. Dill. 2,629,445, Feb. 24.
Pipe sighting device and contour marker. J. H. Morris. 2,636,273. Apr. 28.
Pipe slip gripping insert. J. D. Spalding. 2,655,706, Oct. 20.
Pipe smoker's accessory. P. S. Harper. 2,625,939, Jan. 20.
Pipe spinner. L. W. Storm. 2,633,333, Mar. 31.
Pipe stem, Smoking. W. R. McReynolds. 2,653,615, Sept. 29.
Pipe supporting and anchoring means. E. P. Smith. 2,625,354, Jan. 13.
Pipe swab. H. G. Kelly. 2,642,602, June 23.
Pipe testing head assembly. L. A. Hayes and W. C. Swancott. 2,655,182, Oct. 13.
Pipe tool. J. F. Van Gundy. 2,659,975, Nov. 24.
Pipe union. H. Smalline. 2,628,111, Feb. 10.
Pipe union, Insulated. R. C. Purkhiser. 2,653,834, Sept. 29.
Pipe union, Quick detachable swivel. V. C. H. Richardson. 2,649,314, Aug. 18.
Pipe wiper. B. H. Barnes. 2,648,862, Aug. 18.
Pipe wiper, Tandem type. J. C. Grant. 2,655,679, Oct. 20.
Pipe wrench and the like, Adjustable self-closing. J. V. Larson. 2,645,145, July 14.
Piperazine compounds and a new type of compound produced thereby, Preparing. H. G. P. J. Morren. 2,643,255, June 23.
Piperazine compounds and making same. H. G. P. J. Morren. 2,643,254, June 23.
Piperazine estrogen salt and separation procedure. D. Beall, G. A. Grant, and P. E. Legault. 2,650,918, Sept. 1.
Piperazine salts of cyclopentanopolyhydrophenanthrene-3-monosulfates. R. B. Hasbrouck. 2,642,427, June 16.
Piperidinium compounds. M. W. Goldberg and L. M. Jampolsky. 2,624,737–8, Jan. 6.
Pipette, burette, and the like. E. E. and E. J. Flaig. 2,638,787, May 19.
Pipette control means. O. Maisch. 2,645,245, July 14.
Pirn, Making a. G. D. Atwood. 2,630,394, Mar. 3.
Pirn or cone holder. E. J. McBride. 2,636,696, Apr. 28.
Pirn winder or the like. H. L. Muschamp and J. R. Grady. 2,651,472, Sept. 8.
Pistol, Air. J. B. Peters. 2,630,795, Mar. 10.
Pistol, Blowback autoloading. W. B. Ruger. 2,655,839, Oct. 20.
Pistol construction. C. L. Parris. 2,649,849, Aug. 25.
Pistol, Helmet mounted. A. B. De Salardi. 2,651,872, Sept. 15.
Piston. J. C. Appleton. 2,653,065. Sept. 22.
Piston. J. P. Butterfield. 2,628,602. Feb. 17.
Piston. J. P. Butterfield. 2,638,392, May 12.
Piston. C. H. Latimer-Needham. 2,657,960, Nov. 3.
Piston. G. Lidseen. 2,654,646. Oct. 6.
Piston actuated sleeve type relief valve. J. W. Overbeke. 2,655,173. Oct. 13.
Piston and piston and rod combination. C. K. Stillwagon. 2,656,229, Oct. 20.
Piston and piston ring assembly. F. S. Flick. 2,660,493, Nov. 24.
Piston and ring. J. E. Neeme. 2,638,390, May 12.
Piston and rod connection. R. W. Doeg. 2,644,731, July 7.
Piston assembly for axial type hydrodynamic machines. W. Ferris. 2,638,850, May 19.
Piston assembly for oscillatory hydraulic actuators. J. A. Mehm. 2,649,077, Aug. 18.
Piston assembly for reciprocating compressors. C. A. Dubberley. 2,663,601, Dec. 22.
Piston assembly for shock absorbers. D. A. Palmer. 2,648,405, Aug. 11.
Piston assembly for shock absorbers. C. E. Read and R. H. Whisler, Jr. 2,646,859, July 28.
Piston cooling for internal-combustion engines. G. Pielstick. 2,638,080, May 12.
Piston cup. E. H. Smith. 2,632,680, Mar. 24.
Piston cushioning apparatus. R. R. Stevens. 2,642,845, June 23.
Piston cylinder apparatus. S. Michalak. 2,625,910, Jan. 20.
Piston device for filling dispensing guns, Separable. R. A. Baumer, C. A. Busch, and F. C. Chill. 2,636,658, Apr. 28.
Piston enlarging machine. H. M. Olson. 2,661,643, Dec. 8.
Piston for combustion engines, Light metal. M. Kuhm. 2,661,256, Dec. 1.
Piston for high-pressure cylinders, Packed. D. H. Newhall. 2,663,600, Dec. 22.
Piston for internal-combustion engines. W. Heusser. 2,638,391, May 12.
Piston for internal-combustion engines. D. von Lassberg. 2,657,961, Nov. 3.
Piston for internal-combustion engines having acoustic detonation suppressing means. A. G. Bodine, Jr. 1,662,516–17, Dec. 15.
Piston for use in eduction pipes of apparatus for raising liquid in wells, Free. N. F. Brown. Re. 23,698, Aug. 18.
Piston lock. R. R. Grover. 2,632,425, Mar. 24.
Piston movement control device. A. H. Krause. 2,629,327, Feb. 24.
Piston packing ring. M. W. Marien. 2,656,228, Oct. 20.
Piston ring. W. S. Baker. 2,662,801, Dec. 15.
Piston ring. D. D. Duesenberg. 2,642,323, June 16.
Piston ring. B. H. Haverly. 2,634,179, Apr. 7.
Piston ring. E. Mahle. 2,659,638. Nov. 17.
Piston ring. M. W. Marien. 2,650,869, Sept. 1.
Piston ring. E. R. Olsen. 2,660,494, Nov. 24.
Piston ring. E. R. Olsen. 2,663,602, Dec. 22.
Piston ring. H. M. Olson. 2,637,607, May 5.
Piston ring. H. M. Olson. 2,650,143, Aug. 25.
Piston ring. H. P. Phillips. 2,638,393, May 12.
Piston ring. H. P. Phillips and H. F. Anderson. 2,640,746, June 2.
Piston ring. H. P. Phillips. 2,648,582, Aug. 11.
Piston ring. H. P. Phillips. 2,650,144, Aug. 25.
Piston ring. A. S. Robinson. 2,657,962, Nov. 3.
Piston ring. J. F. Shirk. 2,631,073, Mar. 10.
Piston ring. D. M. Smith. 2,629,641, Feb. 24.
Piston ring. R. R. Teeter. 2,631,908, Mar. 17.
Piston ring. W. L. Unger. 2,649,344, Aug. 18.
Piston ring assembly. J. F. Shirk. 2,635,022, Apr. 14.
Piston ring assembly. M. O. Teetor. 2,642,324, June 16.
Piston ring assembly and elements thereof. H. P. Phillips. 2,656,230, Oct. 20.
Piston ring assembly and ring support and expander member. H. Anderson and H. P. Phillips. 2,659,639, Nov. 17.
Piston ring assembly for the pistons of internal-combustion engines. W. Heusser. 2,635,932, Apr. 21.
Piston ring construction. C. F. Engelhardt. 2,635,933, Apr. 21.
Piston ring construction. D. W. Hamm. 2,664,328, Dec. 29.
Piston ring fitting device. H. T. Lanigan. 2,648,136, Aug. 11.
Piston ring groove spacer. G. L. Stevens. 2,630,358, Mar. 3.
Piston rod seal. F. S. Flick. 2,644,701, July 7.
Piston rod stuffing-box gauge. W. R. Rumbaugh. 2,663,944, Dec. 29.
Piston seal. L. S. Wait. 2,640,745, June 2.
Piston sealing ring. M. E. Estey. 2,652,298. Sept. 15.
Piston type fluid meter. W. H. Marsh. 2,627,250, Feb. 3.
Pitch change means for helicopter rotors. I. B. Laskowitz. 2,625,227, Jan. 13.
Pitch changing device for musical instruments. W. E. Smith. 2,644,360, July 7.
Pitch control mechanism for helicopter rotors, Cyclic and collective. C. M. Seibel. 2,630,184, Mar. 3.
Pitch control of helicopter coaxial rotors, Variable. I. I. Sikorsky. 2,663,372, Dec. 22.
Pitch lock. E. Martin and T. B. Rhines. 2,653,671, Sept. 29.
Pitch mastic for flooring. C. Buist. 2,658,005, Nov. 3.
Pitch propeller, Controllable. A. S. Odevseff. 2,653,670, Sept. 29.
Pitch propeller, Automatic variable. F. C. Foss. 2,638,171, May 12.
Pitch propeller, Reversible. N. R. Richmond. 2,663,373, Dec. 22.
Pitch propeller, Variable. M. E. Cushman. 2,657,755, Nov. 3.
Pitch propeller, Variable. E. M. Douthett. 2,645,294, July 14.
Pitch sheave, Adjustable. T. C. Knudsen. 2,658,401, Nov. 10.
Pitch sheave, Variable. J. N. Browning. 2,633,031, Mar. 31.
Pitcher's control target with automatic ball return. H. Mulcahy. 2,657,058, Oct. 27.
Pitcher's rubber. P. S. Madsen. 2,662,768–9, Dec. 15.
Pitman for jaw crushers, Yieldable. A. J. Roubal. 2,636,690, Apr. 28.
Pitter, Peach. T. B. Keesling. 2,652,872, Sept. 22.
Pitter, Peach. J. Perrelli. 2,664,127, Dec. 29.

Pitting and halving machine, Fruit. C. H. Ansley. 2,652,085, Sept. 15.
Pitting structure. L. B. Williams and J. C. Calkins. 2,660,208, Nov. 24.
Pivot. W. H. Gille. 2,634,174, Apr. 7.
Pivot bar and mounting bracket. J. W. Leighton. 2,635,927, Apr. 21.
Pivot catch, Dual. R. K. Nottingham. 2,626,170, Jan. 20.
Pivot for chair arms or the like. W. H. Murphy. 2,661,227, Dec. 1.
Pivot for shears. J. Spon. 2,640,262, June 2.
Pivotal bottom supporting plate. W. H. Uhl. 2,636,630, Apr. 28.
Pivotal construction. R. C. Wilson. 2,661,228, Dec. 1.
Pivoted contact measuring tool. J. N. Kemph. 2,624,948, Jan. 13.
Pivoted detent pipe coupling. M. Jacobs and P. F. Dragon. 2,643,138, June 23.
Pivoted hand tool for bending heavy wires. A. F. Shallcross. 2,629,275, Feb. 24.
Pivoted handle tool. J. M. Baker. 2,629,415, Feb. 24.
Pivoted jaw wrench. C. D. Daniels. 2,646,709, July 28.
Pivoted lever type line clamp. E. A. Peterson. 2,649,635, Aug. 25.
Pivoted mounting for vehicle suspension springs. A. C. Stover. 2,624,593, Jan. 6.
Pivoted stop valve. O. Schnyder. 2,653,004, Sept. 22.
Pivoted test clamp. R. W. Rogers. 2,634,487, Apr. 14.
Pivoted self-aligning valve. D. D. Heagerty. 2,660,396, Nov. 24.
Pivoted sheet metal flanging hand tool. E. P. Morse and F. Fornaro. 2,660,909. Dec. 1.
Pivoting and sliding block firearm action, Combination. J. L. Arbuckle. 2,627,687, Feb. 10.
Placing a tire in and removing same from a mold. E. A. Glynn. 2,639,466, May 26.
Placing fluent material, Method and apparatus for. M. F. Kemper. 2,660,034, Nov. 24.
Plan position indicator system. W. F. Goodell, Jr. 2,646,530, July 21.
Planer attachment for rotary saws. J. J. Miller. 2,649,872, Aug. 25.
Planer head. C. Morey. 2,624,244, Jan. 6.
Planing attachment for jointers. E. L. Carey. 2,642,902, June 23.
Planing machine. O. Waldrich. 2,646,727, July 28.
Planing machine, Electrically driven hand. K. Reich and G. Walliser. 2,649,873, Aug. 25.
Planing surface for aircraft and hydrocraft. D. B. Doolittle and J. R. Walden. 2,647,709, Aug. 4.
Planetarium. A. N. Spitz. 2,632,359, Mar. 24.
Planetary and countershaft transmission and controls therefor, Combined. E. R. Maurer and A. J. Syrovy. 2,635,480, Apr. 21.
Planetary speed-reducing and reversing gear. W. G. Stoeckicht. 2,648,998, Aug. 18.
Planetary transmission. G. F. L. N. Saraceni. 2,641,143, June 9.
Planetary transmission, Two-speed. W. F. Carr. 2,659,249, Nov. 17.
Plank for railway car trucks, Spring. C. P. Leese. 2,635,557, Apr. 21.
Plank, Metal. A. S. MacDonald. 2,644,552, July 7.
Planographic plate and making same. D. A. Newman. 2,655,101, Oct. 13.
Planographic plates, Making. D. A. Newman. 2,655,864, Oct. 20.
Plant and flower holder. F. W. Tredup. 2,639,552, May 26.
Plant basket removing implement. W. M. Schlitt. 2,658,309, Nov. 10.
Plant box. G. M. Acton. 2,659,180, Nov. 17.
Plant defoliant. E. W. Clarke, R. B. Doan, and V. J. Keenan. 2,658,826, Nov. 10.
Plant fertilizer. J. M. Arthur. 2,640,772, June 2.
Plant for the recovery of waste heat from combustible gases derived from chemical processes. C. Keller. 2,658,349, Nov. 10.
Plant growth regulant compositions containing haloaryl sulfinic and thiosulfinic acids or their salts. W. D. Stewart. 2,632,698, Mar. 24.
Plant growth regulation. N. Tischler. 2,637,640–1, May 5.
Plant growth regulation. N. Tischler and E. P. Bell. 2,637,644–5, May 5.
Plant identification tag and making and applying same. J. L. Watts. 2,642,684, June 23.
Plant package, Potted. A. S. Ritter. 2,661,574, Dec. 8.
Plant packer. A. D. Edwards. 2,638,713, May 19.
Plant packing machine. A. D. Field. 2,628,753, Feb. 17.
Plant response agents. N. Tischler. 2,637,642–3, May 5.
Plant-root puller. E. R. Slinkman. 2,635,001, Apr. 14.
Plant setting device, Rotary. H. P. Cordes. 2,632,411, Mar. 24.
Plant setting machine. C. L. Carelock. 2,625,122, Jan. 13.
Plant setting machine. M. D. Justiss and T. U. Fallin. 2,651,280 Sept. 8.
Plant shipping container. A. S. Ritter. 2,649,807, Aug. 25.
Plant spraying machine. J. B. Kucera. 2,657,093, Oct. 27.
Plant thinning machine, Tractor mounted. L. A. Marihart. 2,633,785, Apr. 7.
Plant tying machine. W. N. Aleshin. 2,656,538, Oct. 27.
Planter. C. W. Walz and H. F. Clausen. 2,650,000, Aug. 25.
Planter. C. H. White and W. P. Oehler. 2,648,301, Aug. 11.
Planter constructed to accommodate various types of hoppers. W. P. Oehler. 2,647,622. Aug. 4.
Planter, Potato. J. E. Osborne. 2,642,909, June 23.
Planter, Seed. D. M. Smith. 2,656,071, Oct. 20.
Planter unit. J. T. Murphy. 2,656,951, Oct. 27.
Planting machine. O. G. Strauss. 2,637,287, May 5.
Planting machine having rotary ground-engaging seed reservoirs, Corn. T. A. Purvis. 2,654,510, Oct. 6.
Planting machine, Sod. H. V. Pittman. 2,661,708, Dec. 8.
Plaque, Decorative. J. L. Wilmsen. 2,636,301, Apr. 28.
Plaster applicator. P. H. Sommers. 2,630,703, Mar. 10.
Plasterboard, Making perforated composition. G. A. Buttress. 2,633,441, Mar. 31.
Plaster cast cutting machine. M. Merkur. 2,659,969, Nov. 24.
Plaster molding rubber articles. J. C. Moore. 2,660,760, Dec. 1.
Plasterer's darby. E. A. Whalen. 2,626,520, Jan. 27.
Plastic alloy which sets at room temperature. J. P. Lyle, Jr. 2,629,656, Feb. 24.
Plastic and textile materials and methods. O. M. Arnold. 2,636,014, Apr. 21.
Plastic articles, Making. C. E. Slaughter. 2,657,431, Nov. 3.
Plastic articles, Making hollow. G. W. De Bell. 2,659,107, Nov. 17.
Plastic compositions and articles produced therefrom. R. J. Signer. 2,658,048, Nov. 3.
Plastic compound containing synthetic rubber and anthracite coal. E. R. Laning. 2,638,456, May 12.
Plastic condensable alkyl acrylate polymers and subsequent elasto-condensation thereof, Preparation of. H. P. Brown. 2,649,439, Aug. 18.
Plastic condensable synthetic rubbers and subsequent elasto-condensation thereof, Preparation of. H. P. Brown. 2,662,874. Dec. 15.
Plastic film. P. J. Vaughan. 2,633,456, Mar. 31.
Plastic film, Manufacturing. R. G. Kress. 2,641,022, June 9.
Plastic identification sleeve. Y. Z. von Stackelberg and W. A. Safka. 2,629,953, Mar. 3.
Plastic matrix for printing resistors. E. F. Harmon and P. J. Franklin. 2,656,570, Oct. 27.
Plastic molding compositions comprising a vinyl chloride polymer and a resinous terpenephenol reaction product. G. P. Humfeld and D. A. de Tartas. 2,647,097, July 28.
Plastic molding powder and the manufacture thereof. R. A. Sorenson. 2,654,716, Oct. 6.
Plastic plant label. I. L. Shepherd. 2,625,758, Jan. 20.
Plastic plasticized with alkyl alkoxy hydroxy stearates. D. Swern. 2,624,680, Jan. 6.
Plastic products, Coated. J. Bjorksten, S. O. Fiedler, and L. L. Yaeger. Re. 23,753, Dec. 15.
Plastic reinforced rods and bars, Making. K. A. Koch. 2,625,498, Jan. 13.
Plastic, rubber or like article with integral fastening means. J. Loewengart. 2,662,308, Dec. 15.
Plastic slide fastener. J. N. Kuzmick. 2,650,402, Sept 1.
Plastic spreading method and apparatus. T. J. Rhodes. 2,624,914, Jan. 13.
Plastic tall oil rosin fraction. D. E. Floyd. 2,647,888, Aug. 4.
Plastic tooth mounting. S. J. Infante. 2,641,837, June 16.
Plastic welding. P. B. Carwile. 2,633,894, Apr. 7.
Plastic wheel structure. J. S. Judd. 2,657,099, Oct. 27.
Plasticized halogen-containing resins. J. R. Darby and L. E. Wells, Jr. 2,664,410, Dec. 29.
Plasticized sponge material and making same. C. L. Wilson. 2,664,366–7, Dec. 29.
Plasticized vinyl halide composition and making same. G. S. Schaffel and G. H. Swart. 2,656,333, Oct. 20.
Plasticizers and plastic compositions. E. H. Schwencke. 2,654,719, Oct. 6.
Plasticizers, Mixed. M. L. Fein and C. H. Fisher. 2,631,988, Mar. 17.
Plasticizing rubber. M. F. Torrence. 2,658,091, Nov. 3.
Plasticizing rubber, Method of. J. J. Verbanc. 2,629,755, Feb. 24.
Plasticizing machine. G. S. Bohannon. 2,642,623, June 23.
Plastics, Expanded. I. L. Newell. 2,626,968, Jan. 27.
Plate aligning attachment. A. E. Rineer. 2,633,076, Mar. 31.
Plate and cover therefor. C. Lawler. 2,641,912, June 16.
Plate apparatus and press. B. G. Newhall. 2,639,126, May 19.
Plate articles, Manufacturing. O. E. Andrus. 2,653,211, Sept. 22.
Plate assembly for electrostatic precipitators, Collecting. G. F. Landgraf. 2,642,952, June 23.
Plate blasting machine. W. I. Gladfelter and R. R. Garver. 2,629,207, Feb. 24.
Plate cooler. C. Boling. 2,663,551, Dec. 22.
Plate counter and stacker. R. Wells. 2,625,329, Jan. 13.

Plate cylinder for rotary printing machines. P. Dietrich. 2,627,229, Feb. 3.
Plate design for pulse columns. W. A. Burns and W. F. Johnson. 2,662,001, Dec. 8.
Plate for opthalmic frames, Decorative. F. W. Lindblom. 2,633,059, Mar. 31.
Plate heat exchanger. R. P. L. Hytte. 2,640,194, May 26.
Plate holding mechanism for stereotype printing plates. J. O. Crabtree. 2,642,800, June 23.
Plate lifting clamp. J. C. Renfroe. 2,654,630, Oct. 6.
Plate, Memorandum. G. Odlas. 2,660,145, Nov. 24.
Plate trimming machine, Automatic. A. D. Lund. 2,625,223, Jan. 13.
Plate type heat exchanger. S. Holm. 2,645,462, July 14.
Plate type, undulating flue boiler. J. A. Grace. 2,652,036, Sept. 15.
Plates adapted for use in electrolytic devices. J. B. Brennan. 2,653,119, Sept. 22.
Plating aluminum. E. R. Calderon and G. W. Slomin. 2,654,701, Oct. 6.
Plating apparatus, Pusher type automatic. J. V. Davis. 2,650,600, Sept. 1.
Plating copper, Method of and composition for. W. J. Pierce. 2,663,684, Dec. 22.
Plating process. J. F. Vogt and R. J. Herbert. 2,635,075, Apr. 14.
Plating rolled sheet metal. H. A. Toulmin, Jr. 2,656,284, Oct. 20.
Plating thickness regulator. G. H. Rendel. 2,657,177, Oct. 27.
Plating wire. A. O. Fink and A. E. Bishop. 2,656,283, Oct. 20.
Platen construction, Printer. R. P. Leavitt and W. M. White. 2,638,827, May 19.
Platen control mechanism for welding machines. C. D. Moore. 2,647,980, Aug. 4.
Platen lubricating means. F. A. Harper. 2,624,160, Jan. 6.
Platform adjusting means, Swather. A. P. Balzer and J. A. Stoesz. 2,638,728. May 19.
Platform and extension for adjustable chairs, Leg supporting. R. A. Maurer. 2,642,122, June 16.
Platform and step, Folding. R. L. Loomis. 2,632,591, Mar. 24.
Platform for connecting the contiguous sections of articulated vehicles. G. Chiapella. 2,644,714, July 7.
Platform for large cylindrical bodies, Vehicle unloading. W. Gibson. 2,634,005, Apr. 7.
Platform for portable drilling masts. J. Moon. 2,662,797, Dec. 15.
Platform for traffic direction, Adjustable. C. W. Stepler. 2,649,341, Aug. 18.
Platform for window type room air conditioners, Supporting. J. W. Cira. 2,628,052, Feb. 10.
Platform for windrowers, Adjustably mounted. D. L. Beasley. 2,662,362, Dec. 15.
Platform laying and platform cover turning machine. J. T. Lancaster. 2,648,852, Aug. 18.
Platform, Offshore drilling. K. C. Howard. 2,637,172, May 5.
Platform, Portable. O. F. Arthur. 2,652,219, Sept. 15.
Platform structure, Foldable. E. J. Kudrna. 2,624,058, Jan. 6.
Platform support for office furniture, Vertically shiftable. F. S. Schade. 2,630,359, Mar. 3.
Platform supporting mechanism. R. G. Geller. 2,636,549, Apr. 28.
Platform to be used in connection with toy trains, Launching. N. Saunders. 2,647,469, Aug. 4.
Platform, Truck body. E. S. Grumbache. 2,639,187, May 19.
Platinum and palladium catalysts. E. W. Riblett, W. P. Burton, and P. A. Lefrancois. 2,662,861, Dec. 15.
Playground apparatus, Convertible. H. R. Robbins. 2,648,538, Aug. 11.
Playground climber. G. W. Packer. 2,648,539, Aug. 11.
Playpen. G. E. Fournier. 2,629,110, Feb. 24.
Playpen. E. O. Stancliff. 2,653,011, Sept. 22.
Playpen, Back seat. J. K. Wisner, Jr. 2,645,789, July 21.
Playpen for children. A. E. Serrell. 2,650,375, Sept. 1.
Play pool, Collapsible. E. C. Wallace and J. Meekin, Jr. 2,628,364, Feb. 17.
Play suit, Child's. S. Nordling. 2,660,730, Dec. 1.
Plaything, Disklike. P. W. Garbo. 2,640,699, June 2.
Play yard, Juvenile. H. L. Hoke. 2,628,370, Feb. 17.
Playing card holder. W. A. Bertram. 2,631,042, Mar. 10.
Playing cards and holder therefor, Deck of. E. H. Freedman. 2,634,132, Apr. 7.
Playing cards, Personalized picture. E. Grunwald. 2,663,418, Dec. 22.
Pleat pincher. T. P. Thompson. 2,633,912, Apr. 7.
Pleater, Drapery. E. J. Martens. 2,641,315, June 9.
Pleating. A. M. Hess. 2,627,310, Feb. 3.
Pleating. A. M. Hess. 2,656,886, Oct. 27.
Pleating tape for draperies. A. M. Hess. 2,629,436, Feb. 24.
Plied yarn and plied yarn fabric and making same. H. B. Jackson. 2,656,585, Oct. 27.
Plier-wrench. N. and A. Berglund. 2,628,521, Feb. 17.
Pliers. J. J. Bannister. 2,630,034, Mar. 3.
Pliers, Chain link compressing. C. E. Stone and F. J. Brzoticky. 2,625,067, Jan. 13.
Pliers, Dental. L. Köhler. 2,632,248, Mar. 24.
Pliers, Expander. P. Means. 2,629,276, Feb. 24.
Pliers, Fisherman's. T. R. Zupancic. 2,643,151, June 23.
Pliers for applying split-shot fishing sinkers. W. W. Deline. 2,651,958, Sept. 15.
Pliers for electrical connections, Swaging. F. A. Anderson, D. G. Blattner, and V. F. Miller. 2,627,769, Feb. 14.
Pliers for removing clips from coil spring assemblies and the like, Expanding jaw. G. W. Mount. 2,643,565, June 30.
Pliers for split shot. J. Glass, Jr., R. J. Heath, and C. F. Woller. 2,656,746, Oct. 27.
Pliers, Magazine fed sinker applying. H. C. Meatte. 2,655,062, Oct. 13.
Pliers, Multiple-jaw hand. G. L. Kennington, Jr. 2,651,227, Sept. 8.
Pliers, Nail straightening. W. C. Hand. 2,628,519, Feb. 17.
Pliers, Offset cutting. J. Loyd. 2,660,786, Dec. 1.
Pliers, Round belt. B. Antonelli. 2,627,655, Feb. 10.
Pliers, Spark plug adjusting. O. Schwenzfeier. 2,645,142, July 14.
Pliers, Tube bending. O. Schopp. 2,637,231, May 5.
Pliers, Watchmaker's. V. A. Norvill. 2,661,646, Dec. 8.
Plotting device. P. Morris. 2,624,951, Jan. 13.
Plow. H.-A. Bonnel. 2,655,850, Oct. 20.
Plow. E. C. Gibson. 2,652,761, Sept. 22.
Plow. K. R. Scholfield. 2,640,404, June 2.
Plow adjustment for railway ballast removing machines. L. A. Perier. 2,624,130, Jan. 6.
Plow affording adjustable width of cut, Tractor. W. H. Tanke. 2,650,529, Sept. 1.
Plow and moldboard adjustment for ditch digging plows. C. H. Brown. 2,641,071, June 9.
Plow and soil pulverizer, Combined. C. E., A. H., and A. K. Barstow. 2,638,042, May 12.
Plow and steering mechanism therefor, Disk. W. H. Silver and R. E. Cox. 2,637,258, May 5.
Plow attachment, Tractor. N. A. Vanderloop. 2,659,288, Nov. 17.
Plow bottom parts, particularly moldboards, Making. W. E. Ruska. 2,643,438, June 30.
Plow bottom parts, particularly plowshares, Making. W. E. Ruska. 2,643,439, June 30.
Plow construction, Two-way. H. A. Pursche. 2,655,851, Oct. 20.
Plow-conveyer-thrower combination type ditching machine. H. G. Murphy. 2,651,123, Sept. 8.
Plow, Disk. W. H. Silver and W. V. Lohrman. 2,635,517, Apr. 21.
Plow, Ditch forming. J. F. Morgan. 2,625,754, Jan 20.
Plow draft device. R. E. Hartsock and R. W. Henss. 2,651,247, Sept. 8.
Plow for the removal of snow, Rotary. F. F. Wallack. 2,638,691, May 19.
Plow for two-wheel tractors, Swivel. A. Rutishauser. 2,636,427, Apr. 28.
Plow for use on tractors, Ditching side. L. C. Hester. 2,655,087, Oct. 13.
Plow hitch. E. V. Collins. 2,653,531, Sept. 29.
Plow, Motor. G. A. Branson. 2,661,673, Dec. 8.
Plow, One-way disk. H. E. Ashley. 2,652,762, Sept. 22.
Plow, Reversible. C. W. Betz. 2,637,257, May 5.
Plow, Reversible ditching. L. A. Draves. 2,649,793, Aug. 25.
Plow, Reversible two-way tumble. R. A. and E. V. Walker. 2,631,512, Mar. 17.
Plow, Roller moldboard. E. K. Thompson. 2,631,516, Mar. 17.
Plow, Rotary. U. Gatti. 2,658,436, Nov. 10.
Plow, Rotary moldboard. H. F. Hall. 2,641,984, June 16.
Plow, Self-sharpening rotary. C. G. Tubbs. 2,649,723, Aug. 25.
Plowshare. W. J. Borst. 2,625,093, Jan. 13.
Plowshare blank. N. C. Rendleman. 2,636,256, Apr. 28.
Plowshare with detachable blade sections. O. Benner. 2,634,664, Apr. 14.
Plow structure, Wing. G. L. Kaeser. 2,648,470, June 30.
Plow, Tractor mounted. W. H. Silver and R. E. Cox. 2,637,260, May 5.
Plow, Tractor-mounted two-way. E. V. Bunting. 2,655,852, Oct. 20.
Plow, Tractor mounted two-way. H. A. Pursche. 2,633,786, Apr. 7.
Plow, Trench digging. T. Lippis. 2,660,815, Dec. 1.
Plow, Two-way. J. C. Moomaw. 2,626,546, Jan. 27.
Plow, Two-way. H. A. Pursche. 2,625,089–91, Jan. 13.
Plow, Two-way. H. A. Pursche. 2,659,284, Nov. 17.
Plow, Two-way disk. L. C. Hester. 2,633,066, Mar. 31.
Plow, Two-way disk. H. A. Pursche. 2,648,267, Aug. 11.
Plow, Two-way tractor mounted. M. T. Hedquist, K. Harroun, D. D. Mayhew, A. Van De Sampel, and A. J. Whalen. 2,641,171, June 9.
Plow with snubber attachment. W. T. Graham. 2,653,532, Sept. 29.
Plucking machine, Poultry. G. W. Johnson. 2,637,067, May 5.

Plug: *See*—
Air-cooled spark plug.
Attachment plug.
Auxiliary drain plug.
Axially movable valve plug.
Blast and dust control plug.
Bridge plug.
Cigarette lighter filling plug.
Closure plug.
Electric swivel plug.
Expansible elevator plug.
Fishing plug.
Fuse adapter plug.
Fusible extension cord plug.
Interlocking shockproof electrical plug.
Key slot plug.
Lobster plug.
Locking lift plug.
Multiplex fuse plug.
Removable contactor connection plug.
Shielded spark plug.
Spark plug.
Switchboard plug.
Tank plug.
Vent plug.
Well cementing plug.

Plug. C. D. Jellison. 2,660,197, Nov. 24.
Plug and jack, Multipoint. R. P. Arthur. 2,640,183, May 26.
Plug and socket connector, Separable. S. Minneci and E. J. De Noyers. 2,662,222, Dec. 8.
Plug and socket coupling, Electric. E. Diessl. 2,663,007, Dec. 15.
Plug and socket, Explosion proof. J. G. Howard and P. S. Rockwell. 2,626,974, Jan. 27.
Plug and socket having a spring-pressed latch. C. D. H. Webb. 2,638,574, May 12.
Plug and valve device for casing apparatus. R. C. Baker and B. L. Austin. 2,651,368, Sept. 8.
Plug and valve device for well casings, Cementing. R. C. Baker and B. L. Austin. 2,627,314, Feb. 3.
Plug and valve device, Well casing cementing. R. C. Baker. 2,662,599, Dec. 15.
Plug and wrench, Shorting. G. A. Kumpf. 2,644,929, July 7.
Plugboard contactor. J. M. Cunningham. 2,624,774, Jan. 6.
Plug construction, Indicating vent. G. V. Hall, M. Shank, and A. F. Krauss. 2,631,182, Mar. 10.
Plug device for well conduits. R. C. Baker. 2,651,367, Sept. 8.
Plug for core bits, Magnetic. L. O. Herndon. 2,628,822, Feb. 17.
Plug-handling mechanism for seamless tube mills. M. S. Gettig. 2,635,492, Apr. 21.
Plug-in assembly, Electrical. R. N. Himmel. 2,628,270, Feb. 10.
Plug-in distribution panel board. T. M. Cole. 2,626,984, Jan. 27.
Plug-in electrical receptacle. W. P. Keller. 2,641,746, June 9.
Plug-in magnetron and mount therefor. N. P. Nichols. 2,624,865, Jan. 6.
Plug-in relay. H. E. Seaton. 2,662,135, Dec. 8.
Plug with replaceable fuse element, Extension cord. C. E. Eggers. 2,640,125, May 26.
Plug with sealing sleeve, Rotary. G. R. Ericson. 2,646,960, July 28.
Plumb and level, Combined. E. A. Marcinkowski. 2,635,351, Apr. 21.
Plumb bob carrier. E. S. Williams. 2,637,913, May 12.
Plumb bob line spool. C. S. Williams. 2,640,276, June 2.
Plumb line holder. A. La Rock. 2,627,124, Feb. 3.
Plumb line target, Surveyor's. H. W. Fatkin. 2,663,937, Dec. 29.
Plumbing device for use in hanging wallpaper. C. S. Anderson. 2,624,118, Jan. 6.
Plumbing fitting, Valved. H. Gruen. 2,627,872, Feb. 10.
Plumbing fixture, Diverter spout. S. Kersten and A. F. Sautter. 2,663,539, Dec. 22.
Plumbing installation, Prefabricated. J. F. and J. W. Sanders. 2,653,357, Sept. 29.
Plumbing manifold. A. W. Allen. 2,645,783, July 21.
Plumbing trap cleaner. D. Dileo. 2,651,382, Sept. 8.
Plumping leather with a sol of large silica particles. I. L. Haag. 2,663,614, Dec. 22.
Plunger aid. H. J. Hix. 2,652,571, Sept. 22.
Plunger construction. D. G. Knox. 2,661,024, Dec. 1.
Plunger mounting for turrets. D. W. Strom. 2,627,105, Feb. 3.
Plunger pump. N. B. Tveden. 2,653,756, Sept. 29.
Plunger, Sand pump. K. W. Haley. 2,635,554, Apr. 21.
Plunger type lock. D. C. Hay. 2,625,812, Jan. 20.
Plunger with disconnectible knife, Baling press. L. A. Paradise. 2,630,063, Mar. 3.
Plunger with wiping fingers. H. S. and P. L. Lazarus. 2,644,181, July 7.
Plural-beam growing-wave tube. W. J. Dodds. 2,630,547, Mar. 3.
Plural cable clamp. L. T. Gasink. 2,641,810, June 16.
Plural counter selecting and operating means. J. Handley. 2,650,025, Aug. 25.
Plural hose. W. J. Pugh. 2,624,366, Jan. 6.
Plural motor hydraulic device for controlling the movements in machines and apparatus for washing, filling, stoppering, capsuling, and labeling bottles. R. Détrez. 2,644,310, July 7.
Plural-passage rotary fluid seal. T. L. Fawick. 2,626,166, Jan. 20.
Plural solenoid electromagnetic valve. C. C. Sheppard. 2,640,496, June 2.
Plural worm drive. M. L. van Overeem. 2,651,217, Sept. 8.
Ply stock magazine. E. E. Mallory. 2,658,691, Nov. 10.
Plywood press. R. G. Weyant. 2,626,642, Jan. 27.
Plywood press apparatus, Continuous. J. J. Littley. 2,627,883, Feb. 10.
Plywood, Producing. J. G. Meller, E. G. Hallonquist, and R. J. Hilton. 2,635,066, Apr. 14.
Pneumatic accumulator. M. P. Berger. 2,659,391, Nov. 17.
Pneumatic agitator for washing machines. H. H. Schwartz. 2,663,178, Dec. 22.
Pneumatic agitator washer. N. B. Wales. 2,625,029, Jan. 13.
Pneumatic control apparatus. C. B. Moore. 2,635,618, Apr. 21.
Pneumatic control apparatus, self-cycling. F. D. Joesting. 2,651,468, Sept. 8.
Pneumatic drive and damping device therefor. A. Amstutz. 2,650,572, Sept. 1.
Pneumatic dual moting and lint cleaning air blast gin. J. J. Wallace. 2,654,126, Oct. 6.
Pneumatic gun. L. K. Spink. 2,640,476, June 2.
Pneumatic gun, Uniform muzzle velocity. W. S. Wells. 2,635,599, Apr. 21.
Pneumatic injury pad. C. A. Cushman. 2,663,020, Dec. 22.
Pneumatic operating assembly for air-blast circuit interrupters. B. P. Baker and H. M. Wilcox. 2,646,483, July 21.
Pneumatic pumping equipment. J. Williamson, Jr. 2,656,794, Oct. 27.
Pneumatic servomotor. R. B. Walder. 2,624,318, Jan. 6.
Pneumatic signaling. E. J. Poitras. 2,641,689, June 9.
Pneumatic suspension for vehicles. R. Goulrand. 2,624,594, Jan. 6.
Pneumatic suspension for vehicles. R. Goulrand. 2,663,569, Dec. 22.
Pneumatic suspension system. J. A. McNally. 2,664,257, Dec. 29.
Pneumatic system for operating flow control valves. W. J. Hughes. 2,630,132, Mar. 3.
Pneumatic timing relay. J. C. Ponstingl. 2,629,793, Feb. 24.
Pneumatic tires, Making. M. Castricum. 2,625,980, Jan. 20.
Pneumatic tires, Making. E. H. Wallace. 2,625,981, Jan. 20.
Pneumatic tires, Method and apparatus for making. D. J. Hinman. 2,649,891, Aug. 25.
Pneumatic tool lubricator. J. F. McGushin. 2,640,561, June 2.
Pneumatic tourniquet. F. I. Saemann. 2,660,174, Nov. 24.
Pneumatic trouser cuff and pocket cleaner. J. O. Deveau. 2,625,703, Jan. 20.
Pneumatic unloader. P. R. Hornbrook. 2,629,637, Feb. 24.
Pneumatic unloader. P. R. Hornbrook. 2,647,802, Aug. 4.
Pneumatic vehicle tire inner tube. M. R. Placentino. 2,632,492, Mar. 24.
Pneumatically controlled hydraulic prop. J. M. Towler. 2,638,075, May 12.
Pocket attachment, Clip retaining. W. Albro. 2,644,991, July 14.
Pocketbook, Music box. B. Katz and D. M. Weisglass. 2,657,607, Nov. 3.
Pocket clip. R. W. Richards. 2,628,395, Feb. 17.
Pocket fishing game device. J. Frechtmann. 2,625,396, Jan. 13.
Pocket ionization chamber. O. G. Landsverk. 2,639,389, May 19.
Pocket key case. L. L. Sherwood. 2,625,191, Jan. 13.
Pocketknife, Detachable blade. T. R. Arden. 2,647,311, Aug. 4.
Pocket knife handle. W. W. Lillard. 2,658,272, Nov. 10.
Pocket punch, Automatically stepped. J. Kertes. 2,655,215, Oct. 13.
Pocket radiation meter. F. R. Shonka. 2,634,374, Apr. 7.
Pocket structure for nurses' uniforms and other garments. E. Kotkes. 2,642,576, June 23.
Pocketed ball game apparatus. L. A. Durant. 2,660,434, Nov. 24.
Pocketed display rack. H. J. Rubenstein. 2,643,002, June 23.
Pocketed heel and detachable arch support. J. Baer. 2,637,122, May 5.
Point electrode for semiconductor devices. B. N. Slade. 2,641,639, June 9.
Point electron source. L. J. Cook. 2,640,950, June 2.
Point forming mechanism. H. A. Corbett. 2,649,821, Aug. 25.
Pointer clamp for indicating instruments, Electric. A. A. Obermaier. 2,663,005, Dec. 15.
Polar relay biasing circuit. W. B. Callaway. 2,646,464, July 21.
Polarity reversal device for electrostatic machines. R. Morel. 2,649,566, Aug. 18.
Polarity reversing switch. J. W. Lawson. 2,630,507, Mar. 3.
Polarized relay. S. D. Vigren, P. H. E. Claesson, and R. A. Zander. 2,652,464, Sept. 15.
Polarized tool. S. Taylor. 2,651,840, Sept. 15.

Polarizing attachment for microscopes. A. F. Kirkpatrick and C. R. Stryker. 2,624,236, Jan. 6.
Polarizing ceramic transducers. A. L. W. Williams. 2,646,610, July 28.
Pole carrier for vehicle bodies. J. Heck, Sr. 2,634,034, Apr. 7.
Pole climbing device. R. A. Elliott. 2,654,638, Oct. 6.
Pole, Clothesline. N. and A. C. Tardle. 2,638,231, May 12.
Pole extension. J. W. Garrison. 2,647,715, Aug. 4.
Pole gaining machine. R. L. Efurd, Jr., and E. A. Efurd. 2,642,903, June 23.
Pole key anchor. J. K. Harper. 2,640,571, June 2.
Pole-shoe tool. J. T. Becker. 2,651,338, Sept. 8.
Policeman's club and cartridge firing mechanism. E. C. Borders. 2,634,535, Apr. 14.
Polish remover, Fingernail. W. F. Merritt. 2,629,124, Feb. 24.
Polish, Wax and silicone oil auto. H. H. Cooke and D. Russo. 2,626,870, Jan. 27.
Polishing aluminum. F. H. Hesch. 2,640,806, June 2.
Polishing and buffing wheel. H. Zimmerman. 2,643,493, June 30.
Polishing and grinding disk assembly, Abrasive. E. L. Rich, J. K. Bauer, and W. E. Dengel. 2,654,193, Oct. 6.
Polishing and sanding device. J. L. Jensen. 2,642,705, June 23.
Polishing apparatus, including brush drive and handgrip with closure for access to the drive, Shoe. J. E. Pettie. 2,635,268, Apr. 21.
Polishing apparatus, Shoe. C. A. de Gonzalez. 2,660,749, Dec. 1.
Polishing attachment for suction cleaners, Floor. N. W. La Briere. 2,658,226, Nov. 10.
Polishing device, Shoe. P. D. Douglass. 2,639,452, May 26.
Polishing disks, Making. H. Stahel. 2,658,802, Nov. 10.
Polishing glass, Process and apparatus for. E. J. G. Laverdisse. 2,662,350, Dec. 15.
Polishing machine. W. B. Knight. 2,636,319–20, Apr. 28.
Polishing machine, Shoe. P. F. Arnold. 2,653,694, Sept. 29.
Polishing method and material. J. F. Harper. 2,663,980, Dec. 29.
Polishing or buffing composition and using the same. H. J. Vander Wal. 2,624,988, Jan. 13.
Pollinating cartridge. L. J. Farley. 2,660,002, Nov. 24.
Pollination. L. J. Farley. 2,660,003, Nov. 24.
Polyacrylic nitrile, Production of. H. Wenning. 2,642,418, June 16.
Polyacrylonitrile articles, Stabilized bleached. R. A. Schelderbauer. 2,643,934, June 30.
Poly-alkenyl phosphonate esters. H. W. Coover, Jr., and J. B. Dickey. 2,632,768, Mar. 24.
Polyalkylated aromatic hydrocarbons, Production of. H. Pines and V. N. Ipatieff. 2,645,670, July 14.
Polyalkylbenzene carboxylic acid and preparing it. M. J. Schlatter. 2,635,114, Apr. 14.
Polyalkylene glycol esters of alkyltetrahydro-phenylalkanoic acids. L. Schmerling. 2,648,693, Aug. 11.
Polyamide resins. H. M. Teeter and J. C. Cowan. 2,641,593, June 9.
Polyamide containing beta carbonamido-alpha-aminopropionic acid units. M. S. Raasch and C. W. Tullock. 2,652,389, Sept. 15.
Polyamide interpolymer plasticized with diacetin. C. W. Taylor. 2,646,413, July 21.
Polyamides from a dinitrile and a ditertiary alcohol or ester of the last, Preparing. E. E. Magat. 2,628,218, Feb. 10.
Polyamides from dinitrile and ditertiary diolefin, Preparing. E. E. Magat. 2,628,219, Feb. 10.
Polyamides from dinitriles and disecondary alcohols or their esters, Preparing. E. E. Magat. 2,628,216, Feb. 10.
Polyamine hydrochlorides and polyisocyanates, Preparation of. C. F. Irwin. 2,644,007, June 30.
Polyaminotriazoles, Production of. J. W. Fisher, H. Bates, and E. W. Wheatley. 2,657,196, Oct. 27.
Poly-anode flip-flop tube. C. R. Williams and C. S. Andersen. 2,647,221, July 28.
Polyazo dyestuffs. H. Ischer, E. Iselin, and W. Wehrli. 2,640,824, June 2.
Polycarboxylic acids, Manufacture of. M. L. Goedkoop. 2,640,075, May 26.
Polychlorinated derivatives of phenol, Preparation of. D. C. Spaulding. 2,662,918, Dec. 15.
Polychloroacetones, Preparation of. C. Woolf and E. E. Gilbert. 2,635,117, Apr. 14.
Polychloro bicyclo heptanes as insecticides. G. A. Buntin. 2,657,168, Oct. 27.
Polychloroprene-phenol-aldehyde compositions. R. L. Holmes. 2,635,088, Apr. 14.
Polychlorotrifluoroethylene resins, Heat-stabilized. A. T. Walter. 2,643,988, June 30.
Polychromatic coating compositions. R. E. Pike. 2,662,027, Dec. 8.
Polycyclic benzene hydrocarbons, Production of. V. N. Ipatieff and H. Pines. 2,631,174, Mar. 10.
Polycyclic insect toxicants. R. E. Lidov. 2,635,979, Apr. 21.
Polycyclic insecticidal dienes. R. E. Lidov. 2,635,977, Apr. 21.
Polyester compositions, Polymerizable. T. F. Anderson. 2,632,752, Mar. 24.
Polyester compositions, Stabilized. T. F. Anderson. 2,632,751, Mar. 24.
Polyester compositions stabilized with a hydroxybenzoic acid. T. F. Anderson. 2,635,089, Apr. 14.
Polyester compositions stabilized with p-benzoquinones. T. F. Anderson. 2,632,753, Mar. 24.
Polyester plasticizers, Linear. W. M. Smith, Jr. 2,647,099, July 28.
Polyester pour depressants. J. C. Munday and D. T. Rogers. 2,655,479, Oct. 13.
Polyester resin compositions and preparing same. J. F. Davis. 2,652,382–3, Sept. 15.
Polyester resins modified with complex metal-phenol-nitrogen compounds. H. F. Wakefield, S. J. Schultz, and S. H. Richardson. 2,630,419, Mar. 3.
Polyester resins, Quick curing. P. Kass and B. W. Lew. 2,662,070, Dec. 8.
Polyester synthetic lubricants. R. T. Sanderson. 2,628,974, Feb. 17.
Polyesters made from dibasic acids derived from vanillin. L. H. Bock. 2,662,871, Dec. 15.
Polyesters of alkenyl-succinic acids. H. Dannenberg and J. R. Scheibli. 2,650,211, Aug. 25.
Polyether amines and a process for their production. J. J. Carnes. 2,629,740, Feb. 24.
Polyethylene compositions containing styreneisobutylene copolymers. D. W. Young and P. E. Hardy. 2,655,492, Oct. 13.
Polyethylene dispersion and applying same to a polyethylene surface, Preparing a. H. Jenet. 2,628,172, Feb. 10.
Polyethylene film and preparing same. W. M. Bright. 2,631,954, Mar. 17.
Polyethylene glycols from ether-esters of glycolic acid. W. F. Gresham. 2,654,786, Oct. 6.
Polyethylene terephthalate, Production of. C. H. Hofrichter, Jr. 2,650,213, Aug. 25.
Polyethylene terephthalate using antimony trioxide as polymerization catalyst, Production of. H. R. Billica. 2,647,885, Aug. 4.
Polyethylene terephthalate with cobaltous acetate as catalyst, Production of. C. H. Hofrichter, Jr. 2,641,592, June 9.
Polyfunctional compounds, Preparation of. W. F. Gresham. 2,636,046, Apr. 21.
Polyfunctional halogenated aromatic compounds and condensation products thereof. S. D. Ross and M. Markarian. 2,631,168, Mar. 10.
Polyglycol ethers of alkyl phenol sulfides. L. W. Burnette and J. M. Cross. 2,629,743, Feb. 24.
Polygonal box. O. W. Wikstrom. 2,659,525, Nov. 17.
Polyhaloalkanes, Production of. R. B. Thompson. 2,658,930, Nov. 10.
Polyhalocyclohexenone compositions adapted for herbicidal and other use. W. D. Stewart and J. H. Standen. 2,657,126, Oct. 27.
Polyhalogenated esters. D. T. Mowry and A. H. Schlesinger. 2,628,164, Feb. 10.
Polyheptamethyleneurea and making the same, Stabilized. E. A. Wielicki. 2,653,144, Sept. 22.
Polyhydric alcohol ethers from hemiformals and carbonyl compounds, Producing. R. H. Barth. 2,644,013, June 30.
Polyisocyanates, Preparation of. M. G. Morningstar, C. S. Schollenberger, and G. E. Stueber. 2,642,449, June 16.
Polymer and preparing same. F. Strain. 2,650,215, Aug. 25.
Polymer composition and preparing same. J. D. Garber and W. J. Sparks. 2,625,523, Jan. 13.
Polymer treatment for fiberboards. M. C. Fuqua. 2,643,200, June 23.
Polymeric compositions. C. H. Basdekis. 2,652,381, Sept. 15.
Polymeric compositions from a chlorophenol, an aldehyde, and a chloroepoxyalkane. G. F. D'Alelio. 2,658,884, Nov. 10.
Polymeric compositions from a hydrocarbon substituted phenol, an aldehyde, and a chloroepoxyalkane. G. F. D'Alelio. 2,658,885, Nov. 10.
Polymeric diguanides. F. L. Rose and G. Swain. 2,643,232, June 23.
Polymeric material derived from N-methylol paravinyl benzamide. J. N. Milne, D. Faulkner, and C. E. Hollis. 2,650,210, Aug. 25.
Polymeric N-methacrylyl morpholine. G. E. Ham. 2,658,056, Nov. 3.
Polymeric organic tin compounds. G. P. Mack and E. Parker. 2,626,953, Jan. 27.
Polymeric polyhydroxy esters and producing the same. M. M. Brubaker. 2,630,422, Mar. 3.
Polymeric pyrazolone couplers. C. F. H. Allen and T. T. Laakso. 2,646,421, July 21.
Polymeric silicates. W. F. Gresham. 2,630,446, Mar. 3.
Polymerizable acrylonitrile compositions and polymerization products thereof. E. L. Kropa and E. W. Malmberg. 2,655,494, Oct. 13.
Polymerizable and polymerized acrylonitrile compositions. J. A. Price, W. M. Thomas, and J. J. Padbury. 2,626,946, Jan. 27.
Polymerizable and polymerized compositions comprising an N-alkenyl-o-alkylisourea. J. A. Price. 2,654,725, Oct. 6.

Polymerizable and polymerized compositions comprising an O-allylisourea. J. A. Price. 2,655,493, Oct. 13.
Polymerizable compositions comprising acrylonitrile and a vinyl or isopropenyl amino aromatic compound and polymerization products thereof. J. J. Padbury. 2,656,339, Oct. 20.
Polymerizable compositions comprising an unsaturated quaternary ammonium compound and polymerization products thereof. J. A. Price. 2,654,729, Oct. 6.
Polymerizable esters of alpha-methylene carboxylic acids. J. A. Bittles, Jr. 2,628,958, Feb. 17.
Polymerizable polyester compositions. M. H. Bigelow. 2,624,714, Jan. 6.
Polymerization and products produced thereby. K. Nozaki. 2,628,222, Feb. 10.
Polymerization by glow-discharge electrolysis. J. F. Woodman. 2,632,729, Mar. 24.
Polymerization control of acrylonitrile. H. T. Patterson. 2,654,731, Oct. 6.
Polymerization control of vinyl acetate utilizing hydrogen peroxide. H. W. Bryant. 2,662,878, Dec. 15.
Polymerization in the presence of a fluid solid polymerization catalyst. F. R. Russell. 2,626,289, Jan. 20.
Polymerization in the presence of organic hydroperoxide and metal salt drier. H. A. Hoppens. 2,642,410, June 16.
Polymerization method. C. H. Basdekis and G. L. Wesp. 2,635,091, Apr. 14.
Polymerization of acrolein. H. C. Miller and H. S. Rothrock. 2,657,192, Oct. 27.
Polymerization of acrylonitrile in presence of formylated polyvinyl alcohol. T. E. Stanin and J. B. Dickey. 2,649,435, Aug. 18.
Polymerization of acrylonitrile in the presence of preformed interpolymers. H. W. Coover, Jr., and J. B. Dickey. 2,657,191, Oct. 27.
Polymerization of acrylonitrile in the presence of preformed polymers. H. W. Coover, Jr., and J. B. Dickey. 2,649,434, Aug. 18.
Polymerization of acrylonitrile to polymers of controlled molecular weight. J. C. Richards. 2,628,223, Feb. 10.
Polymerization of α-acyloxyacrylonitriles in aqueous systems using a redox catalyst and polymers obtained therefrom. H. J. Hagemeyer, Jr. 2,652,390, Sept. 15.
Polymerization of butadiene-1,3 compounds. J. S. Sweely. 2,664,415, Dec. 29.
Polymerization of methacrylate esters with benzoyl peroxide-benzoin-ferric laurate catalyst. T. S. Tutwiler. 2,628,225, Feb. 10.
Polymerization of methylmethacrylate with mixture of benzoyl peroxide and tertiary-butyl hydroperoxide. A. Brothman. 2,632,758, Mar. 24.
Polymerization of olefins in annular reactor. J. F. Nelson. 2,636,026, Apr. 21.
Polymerization of organosiloxanes. J. F. Hyde. 2,634,284, Apr. 7.
Polymerization of styrene. T. Shusman. 2,647,111, July 28.
Polymerization of sulfur dioxide with carbon monoxide and three-component solid polymers thereof with a monoolefinic hydrocarbon. R. D. Lipscomb. 2,634,254, Apr. 7.
Polymerization of unsaturated compounds with paladium oxide containing catalyst. A. N. De Vault. 2,656,398, Oct. 20.
Polymerization of unsaturated organic compounds using improved redox catalysts. W. D. Stewart. 2,631,997, Mar. 17.
Polymerization of unsaturated organic materials. W. D. Stewart. 2,634,258, Apr. 7.
Polymerization of vinyl chloride in an aqueous emulsion. H. F. Park. 2,624,724, Jan. 6.
Polymerization of vinyl hydroxyalkyl ethers to resinous polyacetals, Low-temperature. H. T. Neher and L. N. Bauer. 2,633,460, Mar. 31.
Polymerization of vinylidene compounds in the presence of a catalyst composition comprising dimethylhalophenylhydroperoxymethane. W. B. Reynolds, J. E. Wicklatz, and T. J. Kennedy. 2,638,464, May 12.
Polymerization of vinylidene fluoride to waxy products. C. B. Miller and J. D. Calfee. 2,635,093, Apr. 14.
Polymerization process. J. E. Pritchard and C. F. Fryling. 2,640,821, June 2.
Polymerization process for N-vinyl pyrrolidone. W. O. Ney, Jr., W. R. Nummy, and C. E. Barnes. 2,634,259, Apr. 7.
Polymerization process for polyurethanes utilizing water, a water miscible solvent, and a water immiscible solvent. W. D. Jones and S. B. McFarlane. 2,660,575, Nov. 24.
Polymerization process, Slurry. W. G. May and G. L. Matheson. 2,658,933, Nov. 10.
Polymerization products and preparing them. H. Bestian. 2,626,931, Jan. 27.
Polymerization with alkyl phosphite catalysts. J. B. Dickey and H. W. Coover, Jr. 2,652,393, Sept. 15.
Polymerized dichlorostyrenes containing organo-tin anti-crazing agents. J. W. Churchill. 2,643,242, June 23.
Polymerized polyester resin materials of improved strength and water resistance, Preparation of. A. M. Howald. 2,632,744, Mar. 24.
Polymerizing acrylonitrile in aqueous mixed salts. G. W. Stanton, T. B. Lefferdink, and C. W. Davis. 2,648,647, Aug. 11.
Polymerizing certain unsaturated compounds in an aqueous system. G. S. Rónay and J. R. Vinograd. 2,663,701, Dec. 22.
Polymerizing epsilon-caprolactam. H. R. Mighton. 2,647,105, July 28.
Polymerizing isobutylene in the presence of N-butenes and ether. H. G. Schneider and P. W. Brakeley, Jr. 2,637,720, May 5.
Polymerizing monovinyl aromatic compounds with rubber. J. L. Lang. 2,646,418, July 21.
Polymerizing olefins with a phosphoric acid slurry catalyst. W. K. Fell and J. D. Leslie. 2,626,290, Jan. 20.
Polymerizing organosiloxanes with alkoxides and alcoholhydroxide complexes. E. L. Warrick. 2,634,252, Apr. 7.
Polymerizing oxygen. E. J. Ryan. 2,637,688, May 5.
Polymerizing phenyltrifluoroethylene. M. Prober. 2,651,627, Sept. 8.
Polymerizing styrene and maleic compounds. G. R. Barrett. 2,640,819, June 2.
Polymerizing trifluorochloroethylene. W. T. Miller and J. T. Maynard. 2,626,254, Jan. 20.
Polymers. R. N. MacDonald. 2,650,214, Aug. 25.
Polymers from pyrrolidone. W. O. Ney, Jr., W. R. Nummy, and C. E. Barnes. 2,638,463, May 12.
Polymers of alkenyl aromatic compounds and acrylonitrile and making the same. H. W. Wehr and F. B. Nagle. 2,646,423, July 21.
Polymers of formal esters. W. F. Gresham. 2,630,424, Mar. 3.
Polymers of phosphonic acid diamides with ureas. H. W. Coover, Jr. 2,642,413, June 16.
Polymers of 3-methylenephthalide and preparation. H. W. Coover, Jr., J. B. Dickey, and N. H. Shearer. 2,663,697, Dec. 22.
Polymers, Preparing. G. E. Ham. 2,643,990, June 30.
Polymethine dyes. J. D. Kendall and D. J. Fry. 2,637,729, May 5.
Polymethyl siloxanes and product, Preparing. P. J. Chevalier. 2,642,411, June 16.
Polynomial equation solver. R. Serrell and E. A. Goldberg. 2,626,103, Jan. 20.
Poly-pentaerythritols, Production of. S. F. Marrian and A. McLean. 2,651,663, Sept. 8.
Polyphase transductor, Spare connected. H. M. Sörensen and H. Forssell. 2,640,963, June 2.
Polypropylene benzene sulfonate detergent compositions containing tetrasodium pyrophosphate. S. A. Russell III. 2,626,900, Jan. 27.
Polysaccharide derivatives of substituted-dicarboxylic acids. C. G. Caldwell and O. B. Wurzburg. 2,661,349, Dec. 1.
Polysiloxane-aluminum soap greases. B. W. Hotten. 2,654,710, Oct. 6.
Polysiloxane antifoam agents. R. K. Walton and P. A. Thomas. 2,643,240, June 23.
Polysiloxane resins, Preparing. C. E. Welsh and N. G. Holdstock. 2,661,348, Dec. 1.
Polysulphone aminotriazoles. J. W. Fisher, E. W. Wheatley, and G. B. May. 2,654,726, Oct. 6.
Polythionates as medicinal cosmetics, Stabilized. T. E. Neesby. Re. 23,711, Sept. 8.
Polythioureas, Production of. D. J. Waters and D. L. Wilson. 2,647,108, July 28.
Polyurethanes by a continuous process, Production of. J. Swerdloff and S. B. McFarlane. 2,658,886, Nov. 10.
Polyurethanes, Production of. W. D. Jones and S. B. McFarlane. 2,660,574, Nov. 24.
Polyvinyl acetal resins. H. S. Bloch. 2,644,807, July 7.
Polyvinyl acetate emulsion containing an acetic acid ester of glycerol. W. G. Kunze and R. B. Evans. 2,628,948, Feb. 17.
Polyvinyl alcohol fibers and treating. E. T. Cline and H. B. Stevenson. 2,636,803, Apr. 28.
Polyvinyl alcohol gels. D. E. Sargent and W. F. Amon, Jr. 2,646,411, July 21.
Polyvinyl alcohol, Preparation of. W. O. Kenyon, G. P. Waugh, and E. W. Taylor. 2,642,420, June 16.
Polyvinyl alcohol, Preparation of. G. P. Waugh and W. O. Kenyon. 2,642,419, June 16.
Polyvinyl chloride composition containing a Utah coal resin. L. J. Radi. 2,647,096, July 28.
Polyvinylchloride-dienenitrile-polyester composition. W. J. Sparks and D. W. Young. 2,623,526, Jan. 13.
Polyvinyl chloride plasticized with isobutylene-diolefin-acrylonitrile copolymer. F. W. Banes, D. W. Young, and A. J. Hund. 2,636,866, Apr. 28.
Polyvinyl chloride polymer dispersion. R. H. Gillespie. 2,646,414, July 21.
Polyvinyl chloride resins stabilized with polystannoxanediol esters. G. P. Mack and E. Parker. 2,628,211, Feb. 10.
Polyvinyl chlorides, Plasticized. O. von Schickh and W. Froese. 2,648,652, Aug. 11.
Polyvinyl composition and making same. C. E. Greene. 2,654,723, Oct. 6.
Polyvinyl ether adhesive substance for plaster coatings and making the same. F. Salditt. 2,647,100, July 28.
Polyvinyl halides, Plasticized. J. Dazzi. 2,630,418, Mar. 3.
Polyvinyl methyl ether, Preparation of a. J. F. Shekleton. 2,653,923, Sept. 29.
Polyvinyl pyrrolidone gels and producing the same. C. E. Schildknecht. 2,638,045, Nov. 3.
Pontoon, Salvage. M. J. Sturtevant. 2,635,574, Apr. 21.

Popcorn dispenser. K. Tanko and W. L. Slominski. 2,644,614, July 7.
Popcorn kernels and popping oil, Packaged. J. T. Martin. 2,648,610, Aug. 11.
Popcorn machine. A. D. Altemiller. 2,654,823, Oct. 6.
Popcorn service. O. B. Curry. 2,650,736, Sept. 1.
Popping and dispensing machine, Automatic popcorn. C. G. Hawks. 2,630,058, Mar. 3.
Poppet valve. W. H. Taylor. 2,658,492, Nov. 10.
Poppet valve assembly. G. L. Tescher. 2,625,364, Jan. 13.
Porosity tester. H. M. Brown. 2,659,433, Nov. 17.
Porous anhydrous lithium hydroxide granules. W. H. Schechter and E. D. Osgood. 2,629,652, Feb. 24.
Porous bearing with lubricant reservoir therein. J. Haller. 2,625,452, Jan. 13.
Porous chambered bearing. L. C. Blood. 2,628,138, Feb. 10.
Porous compositions utilizing N-carboxyamino-acid anhydride. E. W. Gluesenkamp. 2,658,043, Nov. 3.
Porous electrode. H. Vogt. 2,627,531, Feb. 3.
Porous electrode plates and making such articles. K. Ackermann and L. Schlecht. 2,661,387, Dec. 1.
Porous material useful in battery separators. J. A. Baty. 2,653,987, Sept. 29.
Porous paper, Producing. D. S. Dieffenderfer and A. L. M. Bixler. 2,635,958, Apr. 21.
Porous sintered carbide tool, Making a. D. L. Schwartz and G. A. Perry. 2,630,383, Mar. 3.
Porous zinc electrodes, Preparation of. A. Fischbach and F. Hochberg. 2,640,864. June 2.
Portable acetylene generator. I. N. Langerman. 2,655,441, Oct. 13.
Portable and adjustable packing table. S. and J. Yalick. 2,661,887, Dec. 8.
Portable arm support. J. T. Haley. 2659,423, Nov. 17.
Portable artillery shield. C. W. Raymond. 2,656,765, Oct. 27.
Portable attachment for dog race tracks. J. S. Alessio. 2,650,826, Sept. 1.
Portable ball cleaner. T. O. Smith. 2,624,900, Jan. 13.
Portable beach shade support. M. A. Campomar. 2,628,797, Feb. 17.
Portable boring mill. M. Beauloye, H. Beauloye, Jr., and A. F. Beauloye. 2,645,139, July 14.
Portable camera support. T. Horydczak. 2,638,041, May 12.
Portable clothes drier. H. G. Ditlow. 2,629,810, Feb. 24.
Portable clothes-drying rack. J. M. Webb. 2,636,616, Apr. 28.
Portable cotton cleaner. F. D. Roan. 2,639,469, May 26.
Portable cutting device. H. A. Cumfer. 2,652,892, Sept. 22.
Portable device for scrubbing and rinsing automobile bodies and the like. M. Sears. 2,659,915, Nov. 24.
Portable dispensing tank. C. W. Lattman. 2,645,381, July 14.
Portable ditch gate. H. A. and C. V. Saunders. 2,654,225, Oct. 6.
Portable ditch pump. L. K. Schmidt. 2,664,052, Dec. 29.
Portable drill press. I. T. Hart. 2,629,267, Feb. 24.
Portable feed grinder carrier. L. Carlson. 2,641,326, June 9.
Portable fluorescent sun lamp. N. J. McDaid. 2,630,520, Mar. 3.
Portable folding oven table. W. J. Tretheway. 2,634,182, Apr. 7.
Portable food and beverage container. A. L. Ewing. 2,624,451, Jan. 6.
Portable food container. G. C. Becker. 2,662,965, Dec. 15.
Portable frozen confection dispenser. K. B. Maxwell. 2,629,344, Feb. 24.
Portable glass washer. T. G. Ford. 2,639,451, May 26.
Portable gravel screen. P. M. Finger. 2,640,592, June 2.
Portable hand drill. B. W. Benbow. 2,637,225, May 5.
Portable hod rack. J. R. Niemeier. 2,653,781, Sept. 29.
Portable icebox. P. Schlumbohm. 2,652,698, Sept. 22.
Portable load lifter. H. J. Hulsart. 2,661,927, Dec. 8.
Portable milling machine. H. E. Morton. 2,660,096, Nov. 24.
Portable mold. I. Stees. 2,651,096, Sept. 8.
Portable music stand. M. Ackerman. 2,639,962, May 26.
Portable piston knurling tool. O. J. Bell and C. P. Harvey. 2,635,491, Apr. 21.
Portable pressing table. O. Frej. 2,645,046, July 14.
Portable rack. B. D. Cruikshank. 2,647,643, Aug. 4.
Portable saw-filing clamp. B. Frazier. 2,657,594, Nov. 3.
Portable spray pump. F. W. Funke. 2,649,335, Aug. 18.
Portable stand. G. M. Hinesman. 2,646,237, July 21.
Portable steam cleaner. P. T. Krampe and J. J. Hanzlik. 2,639,365, May 19.
Portable tool. J. Hornack. 2,643,088, June 23.
Portable tool heater. A. B. Staggs. 2,637,315, May 5.
Portable workstand. W. J. Tilton. 2,624,590, Jan. 6.
Pose-reflecting photographic apparatus. L. G. Simjian. 2,625,857, Jan. 20.
Position adjusting device for furniture or the like. P. Billet and I. Levy. 2,651,055, Sept. 8.
Position adjustment locking device for warning lights. A. C. Hechler and T. E. McDowell. 2,637,840, May 5.
Position control apparatus for beet harvesters. L. R. McRobert. 2,645,072, July 14.
Position control device. R. R. Crookston. 2,
Oct. 20.
Position control means and switch for dirigibly
spotlight. C. Sklarek. 2,634,364, Apr. 7.
Position-controlling means for gripping jaws. L.
and H. P. Smith, Jr. 2,632,493, Mar. 24.
Position finding of electrical disturbances. H. D
Kass, J. F. Kelliher, and L. A. Pick. 2,637,841,
Position indicating apparatus. R. M. Page. 2,
Feb. 24.
Position indicating means for X-ray projectors.
ham. 2,659,824, Nov. 17.
Position indicating system. J. E. Godeck. 2,
Dec. 15.
Position indicator. G. Peterson, Jr. 2,655,647,
Position indicator. B. W. Strömberg. 2,660,719,
Position locating system. L. F. Jones. 2,661,467,
Positioner for fluid operated motors. C. B.
2,653,578, Sept. 29.
Positioning and holding fasteners in explosively
fastener driving tools, Means for. B. W
2,660,726, Dec. 1.
Positioning and registering printing members on c
of rotary presses, Means for. E. Leeberg. 2,
June 9.
Positioning apparatus for dredge pipes. R. A. Br
2,651,122, Sept. 8.
Positioning battery plates for lead-burning, Meth
apparatus for. B. A. Weideman. 2,628,992, Fe
Positioning control for hydraulic motors. R.
2,655,903, Oct. 20.
Positioning device. A. L. M. A. Rouy. 2,624,537,
Positioning mechanism for lift type implements.
Spedding. 2,649,721, Aug. 25.
Positioning structure for cathode-ray tubes. G. H
and E. B. Cain. 2,627,066, Jan. 27.
Positioning structure for revolver holsters. B.
2,641,395, June 9.
Positive and constant-tension web letoff mechan
textile machines. G. E. Clentimack. 2,654,236
Positive clutch. T. R. Smith. 2,632,540, Mar. 2
Positive engaging clutch. W. J. Zenner. 2,659,4
17.
Positive feedback pulse generator. J. W. Bald
Bregar, and K. L. Chapman. 2,657,307, Oct. 27.
Positive interlock switch. F. S. Sinclaire. 2,
Jan. 6.
Positive plates for lead storage batteries, Manufac
J. A. Orsino. 2,658,097, Nov. 3.
Positive shutoff ported casing apparatus. R. C
and B. L. Austin. 2,655,216, Oct. 13.
Post driving apparatus. A. H. Nelson. 2,645,4
14.
Post-enucleated implant, Movable. W. Sto
2,660,732, Dec. 1.
Post hole digger, Tractor mounted adjustable.
Abrams. 2,662,736, Dec. 15.
Posthole forming machine. F. E. Roland. 2,
Nov. 24.
Post-mix, multiple outlet gas burner. H. E. Wi
and R. E. Hinger. 2,638,159, May 12.
Post puller. H. D. Fountain. 2,662,729, Dec. 15.
Posting stand. S. Segal. 2,645,538, July 14.
Postage printing device using direct and offset
W. W. Herrick and A. Burckhardt. 2,660,111,
Posture chair. R. A. Cramer. 2,659,413, Nov. 17.
Posture correcting machine. H. E. Sanders. 2,
July 7.
Posture corrector. B. P. London. 2,628,613, Feb.
Pot cleaner. F. A. Pusch. 2,654,191, Oct. 6.
Pothead. J. O. Jackson. 2,641,628, June 9.
Pothead with stress distributing means, High-volt
N. Bosworth. 2,651,670, Sept. 8.
Pot holder. C. C. Wilm. 2,641,793, June 16.
Pot lid holder. W. O. Geheb. 2,634,865, Apr. 1
Pot lifter. F. O. Crich. 2,658,788, Nov. 10.
Pot type engine oil heater. P. Altman and L. D
2,644,544, July 7.
Pot type fuel oil burner. J. W. Thomson. 2,
May 12.
Pot type oil burner. B. R. Andersson and K. E.
fordt. 2,642,130, June 16.
Pot-type oil burner. W. O. Horne. 2,646,110,
Pot type oil burner. R. N. St. John and K. E. Gol
2,625,214, Jan. 13.
Potassium bromide for photographic developers,
ing. E. S. Wiitala and W. J. Rogers. 2,639,2
19.
Potassium nitrate from wyomingite and sodium
Production of. R. D. Pike. 2,635,945, Apr.
Potato bug catching apparatus. S. A. Stanton. 2,
Feb. 3.
Potato separating machine, Pneumatic. C. R. a
Leighton. 2,653,712, Sept. 29.
Potentiometer. R. E. Barclay. 2,657,295, Oct.
Potentiometer. N. S. Hime. 2,650,974, Sept.
Potentiometer. A. Warsher. 2,625,633, Jan. 1
Potentiometer, Adjustable. F. G. Landis. 2,
Dec. 15.
Potentiometer compensating machine. H. R. Br
2,657,296, Oct. 27.

Potentiometer comprising at least two series-connected capacities, Capacitative. C. Bourgonnier, M. Jouguet, and A. Bunodiere. 2,659,039, Nov. 10.
Potentiometer tandem assembly. K. W. Lindsay and E. Drewitz. 2,631,212, Mar. 10.
Potentiometer termination, Adjustable. H. L. Coyne and O. S. A. Mesch. 2,653,207, Sept. 22.
Potentiometer, Variable drive. C. J. Clements, Jr. 2,632,076, Mar. 17.
Potentiometer. Varifunction. J. J. Wilentchik. 2,662,144, Dec. 8.
Potentiometer, Varifunction. J. Wilentchik. 2,662,147, Dec. 8.
Pottery ware jigger. A. J. Briggs. 2,629,159, Feb. 24.
Poult feeder. M., M. F., and H. P. Waniewski. 2,630,098, Mar. 3.
Poultry feeder. A. Amstutz. 2,624,311, Jan. 6.
Poultry feeder. W. H. Gilson. 2,631,567, Mar. 17.
Poultry feeder. C. C. Jolly. 2,660,149, Nov. 24.
Poultry feeder. G. L. Kalb. 2,660,150, Nov. 24.
Poultry feeder. E. Lewis. 2,643,637, June 30.
Poultry feeder. M. L. Moyer. 2,636,475, Apr. 28.
Poultry feeder. L. W. Rook. 2,650,566, Sept. 1.
Poultry gizzard skinner. M. I. Darrow, G. R. Biddinger, and W. J. Patterson. Re. 23,758, Dec. 29.
Poultry head remover. E. L. Fortner and W. S. Stevenson. 2,632,200, Mar. 24.
Poultry picking machine. G. W. Johnson. 2,641,796, June 16.
Poultry processing method. D. B. Van Dolah. 2,663,049, Dec. 22.
Poultry shackle. P. J. Altenpohl. 2,658,236, Nov 10.
Poultry shackle. O. W. Swanson. 2,649,616, Aug. 25.
Poultry suspending device. J. M. Llittjohann. 2,625,707. Jan. 20.
Poultry waterer regulating valve. N. F. Toadvine. 2,629,396, Feb. 24.
Pouront for bottles, Regulating. E. Sokolik. 2,639,839, May 26.
Pour-spout, Measuring-type. S. P. Radeloff and R. J. Falcone. 2,664,228, Dec. 29.
Pouring apparatus for filtering operations. G. H. Clevenger and L. A. Creglow. 2,644,743, July 7.
Pouring attachment and adapter therefor. J. G. Livingstone. 2,636,629, Apr. 28.
Pouring attachment for containers. F. Massari. 2,648,462, Aug. 11.
Pouring attachment for containers having means for cutting a discharge opening. L. Mooradian. 2,630,943, Mar. 10.
Pouring attachment for paint cans and the like. J. W. Allen. 2,659,519, Nov. 17.
Pouring attachment for use with liquid containers. S. J. Fairless. 2,634,891, Apr. 14.
Pouring box for continuous casting machines. R. Easton and T. Y. Wilson. 2,659,121, Nov. 17.
Pouring ingots. W. F. Walter, Jr., and W. J. Wysor. 2,641,525, June 9.
Pouring spout. E. E. and A. Kramer. 2,657,838, Nov. 3.
Pouring spout. L. L. Smith. 2,650,004, Aug. 25.
Powder box. W. J. Zipper. 2,633,265, Mar. 31.
Powder box having rotary valve means in the partition separating the compartments, Compartmental. W. B. Olsen. 2,636,646, Apr. 28.
Powder cutting and scarfing of resistant metallic bodies. E. Meincke. 2,632,721, Mar. 24.
Powder handling device with protected driving mechanism. P. E. Fischer and M. B. Sturdevant. 2,634,894, Apr. 14.
Powder, Large grain smokeless. A. M. Ball. 2,643,611, June 30.
Powder metallurgy method of making steel cutting tools. H. A. Pavitt. 2,637,671, May 5.
Powdered and granulated material container with self-closing dispensing valve. E. J. Osfar. 2,626,089. Jan. 20.
Powdered metal plates, Manufacturing. F. De Marinis. 2,655,716, Oct. 20.
Powdered thorium, Preparation of. H. A. Wilhelm and P. Chiotti. 2,635,956, Apr. 21.
Power actuated adjustable tire demounting bar. A. Lowrey. 2,655,984, Oct. 20.
Power-actuated apparatus for setting pins. T. E. Mead. 2,645,485, July 14.
Power apparatus for steering and the like, Electric. W. F. Penrose. Re. 23,673, June 30.
Power-assisted and mechanical braking systems for vehicles, Combined. F. H. Holman, Jr. 2,649,169, Aug. 18.
Power boat steering and control means. F. E. Whiting. 2,629,356, Feb. 24.
Power boost control device. A. B. Miller. 2,662,377, Dec. 15.
Power boost control system with mechanical feel means therefor. J. R. Clark and C. Schultz. 2,627,847, Feb. 10.
Power booster mechanism with poppet valve controls for automotive steering gears. F. W. Davis. 2,634,708, Apr. 14.
Power circuit control system. A. V. Johansson. 2,626,362. Jan. 20.
Power control bridge. J. Radigan. 2,627,061, Jan. 27.
Power control mechanism and winch for cable drawn scoops. P. V. Whitney. 2,631,818, Mar. 17.
Power curler. H. C. Rhodes. 2,631,550, Mar. 17.
Power curler, Dough. H. C. Rhodes. 2,631,549, Mar. 17.
Power device, Hydraulic. J. J. Slomer. 2,632,424, Mar. 24.
Power divider. D. E. Rowe. 2,647,953, Aug. 4.
Power dividing differential. H. M. Patch. 2,627,760, Feb. 10.
Power drive. R. B. Pealer. 2,624,895, Jan. 13.
Power drive arrangement for concrete mixers. C. Gerst. 2,624,557, Jan. 6.
Power drive connection for combined rotatable and oscillatable mining tools. R. A. McCallum. 2,659,585, Nov. 17.
Power drive control system and mechanism, Automotive. G. T. Randol. Re. 23,696, Aug. 4.
Power drive unit for remotely controlled television receivers. L. S. Depweg. 2,642,757, June 23.
Power-driven diverter attachment for conveyers. I. S. Eggleston. 2,649,187, Aug. 18.
Power-driven sewer cleaner. M. L. Jurasevich. 2,625,699, Jan. 20.
Power-driven stalk cutter. E. F. Ohlendorf. 2,654,199, Oct. 6.
Power-driven toothbrush. C. B. Smithson, Jr. 2,657,321, Oct. 27.
Power exhauster. H. and H. G. Knutson. 2,649,040, Aug. 18.
Power feed and brake operating mechanism for motor vehicles, Plural. M. P. Deputy. 2,627,329, Feb. 3.
Power feed apparatus. D. Heyer. 2,624,319, Jan. 6.
Power feed mechanism. W. A. Eschenburg, D. D. Pettigrew, and C. Johnson. 2,655,058, Oct. 13.
Power feed mechanism for machine tools. J. Remmen. 2,649,646, Aug. 25.
Power generator. G. R. Santos. 2,660,030, Nov. 24.
Power grip bead breaker for tires. J. N. Johnson. 2,649,902, Aug. 25.
Power hand band sealer. J. J. Grevich. 2,658,552, Nov. 10.
Power indicating apparatus for internal-combustion engines or motors provided with governor. A. Lagardère. 2,652,046, Sept. 15.
Power lift. O. W. Oerman. 2,656,775, Oct. 27.
Power lift. J. H. Starr. 2,654,302, Oct. 6.
Power lift. F. W. Wells and J. T. Kulhavy. 2,659,308, Nov. 17.
Power-lift attachment for implements. W. G. Toland. 2,638,044, May 12.
Power-lift for agricultural implements. W. D. Drummond. 2,634,662, Apr. 14.
Power lift for tractor mounted implements. W. H. Silver and R. E. Cox. 2,626,554, Jan. 27.
Power lift mechanism for tractors. D. Roeder. 2,631,514, Mar. 17.
Power-lift tractor hitch for earth working implements. H. B. Rapp and L. E. Heckathorn. 2,663,239, Dec. 22.
Power line failure indicator. J. R. Stegall. 2,637,020, Apr. 28.
Power line lift pole. W. B. Crawford. 2,662,730, Dec. 15.
Power loader. F. W. Allan. 2,645,369, July 14.
Power machine, Rotary. G. E. Mallinckrodt. 2,657,676, Nov. 3.
Power means for folding shirts. G. W. Johnson and J. R. Petre. 2,629,521, Feb. 24.
Power measurement and detection at ultrahigh frequencies, Method and apparatus for. J. Bernier. 2,643,280, June 23.
Power measuring apparatus, High-frequency. E. L. Ginzton. 2,653,299, Sept. 22.
Power-operated clipping device. C. K. Grieder. 2,629,220, Feb. 24.
Power-operated, gear-controlled multiple socket wrench. H. E. Farmer. 2,644,357, July 7.
Power-operated, predetermined-torque control socket wrench. L. A. and C. F. Hautau. 2,627,770, Feb. 10.
Power-operated, predetermined torque release hand tool. W. H. Peck. 2,632,485, Mar. 24.
Power-operated, predetermined torque release wrench. W. H. Peck. 2,639,636, May 26.
Power-operated rotary impact wrench. H. H. Burkhardt. 2,662,434, Dec. 15.
Power-operated slip. W. E. Liljestrand. 2,636,241, Apr. 28.
Power operated slip. W. E. Liljestrand. 2,641,816, June 16.
Power-operated socket wrench. J. H. Murrill. 2,636,410, Apr. 28.
Power-operated toolholder. L. E. Lee. 2,641,151, June 9.
Power-operated wrench. G. A. Lindberg. 2,646,966, July 28.
Power output limiting control system for audiometers, Automatic. F. E. Barron. 2,662,940, Dec. 15.
Power plant. P. Altman. 2,633,118, Mar. 31.
Power plant. W. E. Brill. 2,625,145, Jan. 13.
Power plant, Coal fired gas turbine. J. Yellott. 2,651,176, Sept. 8.
Power plant, Combined gas and steam. R. G. Legendre. 2,663,146, Dec. 22.
Power plant, Combined gas and steam. V. F. A. Nordström and D. A. Morosoff. 2,663,144, Dec. 22.
Power plant comprising the combination of gas and steam turbines with a supercharged furnace steam-generator. R. F. M. Waeselynck. 2,663,145, Dec. 22.

Power plant control mechanism. E. R. Price. 2,626,691, Jan. 27.
Power plant for drilling rigs. F. J. Young. 2,655,003, Oct. 13.
Power plant for rig drive. J. D. Spalding. 2,639,630, May 26.
Power plant, Gas turbine. J. A. Rydmark and H. O. Pedersen. 2,628,766, Feb. 17.
Power plant having a common manual control for the fuel valves of the compressor and power turbines. E. G Sterland. 2,651,911, Sept. 15.
Power plant having auxiliary air inlet and thrust augmenter, Turbine. R. S. Thompson. 2,654,215, Oct. 6.
Power plant having bypass means to regulate heat input to each turbine, Closed circuit. C. Keller. 2,641,905, June 16.
Power plant having radially and axially displaced jet engines, Stationary. J. Frye. 2,628,473, Feb. 17.
Power plant installation, Aircraft. N. C. Price. 2,663,517, Dec. 22.
Power plant with centrifugal governor, Wind-driven. U. Hütter. 2,655,604, Oct. 13.
Power plant with fuel injection between compressor stages, Gas turbine. P. W. Pratt. 2,630,678, Mar. 10.
Power press. E. W. Wilkins. 2,652,770, Sept. 22.
Power press and the like thrust-controlled machines. E. Auriol. 2,654,264, Oct. 6.
Power press control. W. Few and O. M. Bundy. 2,636,138, Apr. 21.
Power regulation in high-frequency heating apparatus. B. Boyd. 2,647,983, Aug. 4.
Power saw guide gauge. A. Jamack. 2,632,483, Mar. 24.
Power source for alternating current blower motors, Controllable. H. Suter. 2,646,931, July 28.
Power steering and shimmy dampening, Combined. W. H. Clark. 2,654,347, Oct. 6.
Power steering gear. F. W. Davis. 2,627,187, Feb. 3.
Power supply apparatus for alternately supplying a load. V. T. Callahan and L. D. Fry. 2,655,603, Oct. 13.
Power supply arrangement for television receivers. C. E. Torsch. 2,626,988, Jan. 27.
Power supply for transformerless receivers. W. R. Koch. 2,658,140, Nov. 3.
Power supply, High impedance. D. E. Sunstein and A. C. Munster. 2,658,117, Nov. 3.
Power supply, Pulse-type. H. G. Schwarz. 2,637,011, Apr. 28.
Power supply system. H. T. Langabeer. 2,653,253, Sept. 22.
Power supply system for self-propelled vehicles. H. H. Vanderzee. 2,638,996, May 19.
Power supply system, Regulated high-voltage. J. P. Smith. 2,644,917, July 7.
Power supply unit for high-speed flash. A. M. Wengel. 2,659,854, Nov. 17.
Power system. C. A. Brancke. 2,658,152, Nov. 3.
Power system for a plurality of motors. J. M. Pestarini. 2,648,039, Aug. 4.
Power take-off. R. W. Wagner. 2,636,390, Apr. 28.
Power take-off attachment for motor vehicles. L. W. Downey. 2,656,728, Oct. 27.
Power take-off mechanism. D. G. Roos and W. F. Benning. 2,630,872, Mar. 10.
Power take-off system and apparatus. A. B. Crichton, Jr., and C. G. Wennerstrom. 2,645,944, July 21.
Power takeoff transmission, Multiple. W. P. Schmitter. 2,654,267, Oct. 6.
Power train for vehicle power take-off shaft and auxiliary unit. J. S. Ross. 2,660,892, Dec. 1.
Power transmission. J. B. Black. 2,632,539, Mar. 24.
Power transmission. J. B. Black and W. F. Shurts. 2,642,168, June 16.
Power transmission. H. C. Bujak. 2,650,484, Sept. 1.
Power transmission. R. H. Dicke. 2,656,733, Oct. 27.
Power transmission. W. T. Dunn. 2,635,477, Apr. 21.
Power transmission. W. T. Dunn. 2,635,725, Apr. 21.
Power transmission. W. G. Finlayson. 2,653,626, Sept. 29.
Power transmission. D. B. Gardiner, E. F. Klessig, and H. C. Parsons. 2,653,550, Sept. 29.
Power transmission. C. E. Johnson and E. Mendenhall. 2,631,462, Mar. 17.
Power transmission. G. M. Jones and H. H. Duvall. 2,641,194, June 9.
Power transmission. J. T. King. 2,643,131, June 23.
Power transmission. E. Klepetko, Jr. 2,641,142, June 9.
Power transmission. E. F. Klessig. 2,641,193, June 9.
Power transmission. D. L. Mount. 2,634,628, Apr. 14.
Power transmission. J. Robinson. 2,642,810 June 23.
Power transmission. J. A. Seede. 2,629,062, Feb. 17.
Power transmission. L. C. Weathers. 2,648,045, Aug. 4.
Power transmission. L. J. Wolf. 2,627,763, Feb. 10.
Power transmission. R. W. Wolfe. 2,635,478, Apr. 21.
Power-transmission adjusting device. B. Crowther 2,646,690, July 28.
Power transmission and change speed clutch mechanism therefor. T. Iavelli. 2,647,598, Aug. 4.
Power transmission and drive control therefor. E. R. Maurer and J. D. Caton. 2,641,140, June 9.
Power transmission apparatus. J. H. Mathers. 2,633,034, Mar. 31.
Power transmission belt, Reinforced. T. F. E. Fuchslocher. 2,645,132, July 14.
Power transmission chain. W. H. Bendall. 2,627,756, Feb. 10.
Power transmission control governor. R. L. Jaeschke. 2,657,323, Oct. 27.
Power transmission coupling. R. J. Thomas. 2,643,529, June 30.
Power transmission gear. T. Hindmarch. 2,661,628, Dec. 8.
Power transmission mechanism for window regulators. A. Mackman. 2,651,212, Sept. 8.
Power transmission mechanism in storage equipment. H. Auger. 2,652,162, Sept. 15.
Power transmission system. N. W. Lewis. 2,625,841, Jan. 20.
Power transmission system, Automatic. H. C. Lindsay. 2,635,486, Apr. 21.
Power transmission unit. A. T. Bodle. 2,655,818, Oct. 20.
Power transmission unit for sawmill carriages and the like. B. W. Andrus. 2,637,428, May 5.
Power transmitting device for overhead garage doors. J. H. Grenzeback. 2,663,047, Dec. 22.
Power transmitting mechanism. L. E. Lura. 2,648,229, Aug. 11.
Power-transmitting system and mechanism, Automotive. G. T. Randol. Re. 23,695, Aug. 4.
Power-tricycle. M. O. Colden. 2,633,030, Mar. 31.
Power unit. S. B. McLeod. 2,640,465, June 2.
Power unit for a well pipe slip assembly. G. E. Mullinix. 2,638,316, May 12.
Power unit for adjustable lounge chairs. F. J. Luketa. 2,632,336, Mar. 24.
Power unit for delivering hydraulic power. E. A. Rockwell. 2,627,726, Feb. 10.
Power unit for hydraulic pressure systems. T. H. Thomas. 2,661,598, Dec. 8.
Power unit for lawn mowers. E. R. Adams. 2,630,185, Mar. 3.
Power unit, Hydraulic. E. H. Bowers. 2,642,804, June 23.
Power unit, Hydraulic. J. A. Kanuch. 2,634,621, Apr. 14.
Power unit, Hydraulic. S. B. McLeod. 2,640,429, June 2.
Power unit of the fluid pressure type. S. B. McLeod. 2,640,323, June 2.
Power unit of the pressure fluid type. S. B. McLeod. 2,640,426, June 2.
Power unit, Portable. J. M. Miller. 2,662,412, Dec. 15.
Power unit, Self-contained. J. P. Steibel. 2,643,555, June 30.
Power unit, Self-contained. W. D. Teague, Jr., and E. A. Volk, Jr. 2,642,543, June 16.
Power units for amusement devices, Making. C. F. Massopust. 2,659,215, Nov. 17.
Power washing centrifugal separator. J. R. Orelind. 2,629,547, Feb. 24.
Power washing cream separator. H. A. Heckendorf. 2,654,536, Oct. 6.
Power winch unloader. H. C. Northeim. 2,627,987, Feb. 10.
Power winding of strip material. L. A. Trofimov. 2,648,502, Aug. 11.
Preamplifier. W. D. Moehring and L. V. Wells. 2,664,469, Dec. 29.
Precalculation selector. J. B. Edwards. 2,627,373, Feb. 3.
Precipitating solid particles from a suspension of the particles in a liquor. A. Sabié. 2,664,349, Dec. 29.
Precipitation hardenable iron base alloy. J. D. Nisbet. 2,661,284, Dec. 1.
Precipitation of aluminum hydroxide. R. W. Brown. 2,653,858, Sept. 29.
Precipitation of fine particle procaine penicillin G. F. W. Staab and J. M. Kolbas. 2,643,251, June 23.
Precipitation of nonvolatile substances in distillation of Fischer-Tropsch synthesis mixtures. C. S. Carlson, F. A. Biribauer, and C. E. Porter. 2,644,786, July 7.
Precipitation of pure metallic copper from copper-bearing solutions. E. S. Roberts. 2,647,825, Aug. 4.
Precision balance. F. Meinig. 2,662,762, Dec. 15.
Precision balance. J. E. Seederer and I. Feuer. 2,626,796, Jan. 27.
Precision boring device. E. V. Statia, Sr. 2,627,193, Feb. 3.
Precision casting process. E. E. Ensign and R. A. Van Patten. 2,654,925, Oct. 13.
Precision deflecting yoke. F. Wendzel. 2,645,735, July 14.
Precision evaporation of antimony. R. L. Longini. 2,656,287, Oct. 20.
Precision feed adjustment. H. E. Balsiger. 2,660,842, Dec. 1.
Precision gauge. D. G. Schleman. 2,624,949, Jan. 13.
Precision grade board and accessory. M. W. Lieberman. 2,632,954, Mar. 31.
Precision locating device. H. E. Balsiger. 2,639,562, May 26.
Precision measuring device. J. Verderber. 2,663,598, Dec. 22.
Precision strip feed mechanism. H. G. Goetz and H. F. Ruschmann. 2,626,146, Jan. 20.
Precombustion chamber. R. H. Loughran. 2,632,299, Mar. 24.
Preconditioning hydrocarbon synthesis catalyst. J. P. Hogan. 2,644,829, July 7.
Precooked rice. C. R. Carman and J. E. Allison. 2,653,100, Sept. 22.

Precooler for refrigerated drinking fountains. C. P. Freer. 2,653,013, Sept. 22.
Precooling air in oxygen production. P. C. Keith. 2,643,527, June 30.
Predetermined counter. V. C. Kennedy, Jr. 2,652,198, Sept. 15.
Predetermined torque release socket wrench. O. B. Harmes. 2,662,436, Dec. 15.
Predetermined torque release wrench. O. B. Harmes. 2,662,435, Dec. 15.
Predetermining system, including devices providing continuous operation without homing or resetting. J. Berger. 2,652,197, Sept. 15.
Predetermining the appearance of fabricated articles, Method and means. I. C. Savadelis. 2,654,288, Oct. 6.
Prefabricated house. D. E. Hervey. 2,633,610, Apr. 7.
Pre-feed table and conveyer for fish dressing machine. N. L. Oates. 2,626,037, Jan. 20.
Preformed zigzag spring. N. Wolofski. 2,631,029, Mar. 10.
Preheater and conditioner unit. C. W. Grimm. 2,642,676, June 23.
Preheater for oil burners, Oil and air. H. S. Hill. 2,625,211, Jan. 13.
Preheating and admitting means for furnaces, Combustion air. L. Barnett. 2,631,554, Mar. 17.
Preheating and mixing device, Fuel. J. D. Godfrey. 2,633,837, Apr. 7.
Preheating device for starting internal-combustion engines. R. L. Butts. 2,630,106, Mar. 3.
Preparation and hydroiysis of esters. P. W. Morgan. 2,629,716, Feb. 24.
Preparation and purification of higher alkyl aryl sulfonamides and their salts. I. J. Kreims. 2,658,916, Nov. 10.
Preparation and purification of 1-phenylbutadiene-1,3. L. E. Craig and C. E. Larrabee. 2,629,752, Feb. 24.
Preparation of a sodium bisulfite solution. K. R. Gray and H. L. Crosby. 2,656,249, Oct. 20.
Preparation of aminophylline. A. T. Nielsen and A. A. Romano. 2,629,717, Feb. 24.
Preparation of thiophene and alkylated thiophenes. B. F. Tullar and R. F. Feldkamp. 2,658,903, Nov. 10.
Preparing a fertilizer containing water-insoluble nitrogen. M. A. Kise. 2,644,806, July 7.
Preparing a homogeneous aqueous colloidal dispersion of silica and a hydrous oxide of zinc, aluminum, tin, or columbium and the resulting product. M. F. Bechtold. 2,657,183, Oct. 27.
Preparing a material having prolonged scent retaining charactertistics and product thereof. R. W. Philippin. 2,643,212, June 23.
Preparing a photographic three-dimensional grain screen and for producing a photographic dry plate having a latent three-dimensional screen pattern thereon. H. E. Meyer. 2,643,188, June 23.
Preparing amino acids. L. K. Borkenhagen. 2,657,232, Oct. 27.
Preparing and assembling antifriction bearings. B. T. Virtue. 2,624,105, Jan. 6.
Preparing branched primary sulfate esters. H. K. Wiese. 2,660,602, Nov. 24.
Preparing ceramic clays, Method and means for. H. H. Montague. 2,642,643, June 23.
Preparing composite propellants. C. A. Thomas and J. R. Eck. 2,646,596, July 28.
Preparing dicarboxylic acid chlorides. J. E. Carnahan. 2,657,233, Oct. 27.
Preparing fowl. M. Snyder. 2,633,601, Apr. 7.
Preparing fresh frozen seasoned hamburger. O. P. Garsaud. 2,650,167, Aug. 25.
Preparing hard butter from hydrogenated coconut oil and similar oils. J. E. Blum. 2,657,995, Nov. 3.
Preparing hops by catalytic isomerization of hummulon. V. Salač. 2,647,837, Aug. 4.
Preparing metal phthalocyanines. R. E. Brouillard. 2,647,127, July 28.
Preparing metal surfaces for drawing operations. H. A. Montgomery and W. J. Wojtowicz. 2,662,836, Dec. 15.
Preparing moistureproof wrappings for perishable articles. C. Nicolle. 2,651,154, Sept. 8.
Preparing 1-methyl-4-phenyl-4-cyanopiperidine. F. F. Blicke. 2,657,208, Oct. 27.
Preparing outersoles, Automatically. D. and N. H. Midgley. 2,648,855, Aug. 18.
Preparing protective clothing. A. J. Stokes and H. W. Carhart. 2,628,174, Feb. 10.
Preparing soup. A. C. Rauch. 2,657,999, Nov. 3.
Preparing synthesis gas at elevated pressures. L. P. Gaucher. 2,662,004, Dec. 8.
Preparing vamps for shoes of the California or forcelasted type. W. F. Herlihy. 2,646,584, July 28.
Prepatch connector bay. C. B. Dewey and N. C. Zatsky. 2,647,244, July 28.
Preselective transmission control for automotive vehicles. G. T. Randol. Re. 23,623, Feb. 24.
Preservation and storage of biological materials. H. O. McMahon. 2,662,520, Dec. 15.
Preservation of ether. E. Mallinckrodt, Jr., and A. E. Ruehle. 2,639,243, May 19.
Preservation of forage crops with phenol derivatives. E. M. Bickoff. 2,651,572, Sept. 8.
Preservation of tertiary halides with anhydrous carbonates. F. E. Condon. 2,632,029, Mar. 17.
Preservative impregnation of wood. M. S. Hudson. 2,650,885, Sept. 1.
Preserved eristalis genus, crane fly larvae, and method. F. Gould. 2,643,189, June 23.
Preserving a rubber which comprises treating the rubber with a solid resinous aralkylated dihydroquinoline antioxidant. J. R. Ingram. 2,664,407, Dec. 29.
Preserving and presenting a urine sample for analysis thereof. N. W. Drey. 2,652,314, Sept. 15.
Preserving avocados. H. W. Heinrich. 2,641,548, June 9.
Preserving fish of the tuna type. C. B. Stevenson and J. A. Hodges. 2,635,050, Apr. 14.
Preserving pimento. E. Traisman and C. R. Price. 2,649,378, Aug. 18.
Preserving plant and animal tissues. G. R. Fessenden. 2,658,836, Nov. 10.
Preserving wood. R. M. Lindgren. 2,643,957, June 30.
Presetting device for boring tools. E. A. Allen and F. P. Healy. 2,657,470, Nov. 3.
Presetting device for cutting tools. H. R. De Vlieg. 2,652,634, Sept. 22.
Press: *See*—
Baling press.
Bonding press.
Cheese press.
Continuous gluing press.
Curved platen printing press.
Curved side plate hydraulic press.
Drawing press.
Dry mounting press.
Enclosed fountain gravure press.
Forming press.
Gap frame press.
Garment press.
High-frequency glue curing press.
High-speed double-action press.
Hydraulic molding press.
Hydraulic press.
Hydraulically actuated press.
Hydraulically operated vulcanizing press.
Inclinable press.
Intaglio engraving press.
Intaglio printing press.
Joining press.
Laundry press.
Make-ready preparing press.
Metal forming press.
Molded pulp carton press.
Multicolor job or proof press.
Multicolor proof press.
Multiple buck press.
One revolution high-speed cylinder printing press.
Packaging press.
Paper padding press.
Plywood press.
Portable drill press.
Power press.
Printing press.
Punch press.
Reciprocating die press.
Rotary filter press.
Sheet controlled rotary printing press.
Shoe back line press.
Shoe cementing press.
Shoe press.
Side plate press.
Sleeve press.
Tie and garment press.
Vertical baling press.
Vulcanizing or like press.
Web printing press.
Press assembly, Reverse suction. L. Hornbostel. 2,653,523, Sept. 29.
Press device, Power-operated. J. Muller. 2,633,094, Mar. 31.
Press diaphragm. R. G. Weyant. 2,634,773, Apr. 14.
Press, especially a veneering press. V. Berthelsen. 2,627,290, Feb. 3.
Press feed, Blank forming. J. R. Baumgartner. 2,638,821, May 19.
Press for bookbinding, Nipping. L. G. Kitcat. 2,644,965, July 14.
Press for laminated lumber. D. W. Smith and H. Hall. 2,627,291, Feb. 3.
Press for molding concrete building elements. L. D. Long. 2,624,928, Jan. 13.
Press for printing individual workpieces such as envelopes. R. E. Skow. 2,635,538, Apr. 21.
Press for removing the surplus mercury from an amalgam. H. R. Dike. 2,651,110, Sept. 8.
Press for securing wax comb foundations in honey frames. I. D. Johnston. 2,643,400, June 30.
Press for the hollow arbor of a cannon pinion, Indenting. J. Kochis. 2,639,635, May 26.
Press-gluing, Continuous. K. L. Bergvall, E. E. Dahlberg, and A. O. G. Palmgren. 2,631,622, Mar. 17.
Press loading and unloading apparatus. L. F. Samler. 2,656,047, Oct. 20.
Press plate, Metal particle coated. V. A. Ray. 2,632,968, Mar. 31.
Press safety jack. W. Bradhering. 2,653,560, Sept. 29.
Pressed steel truck wheel. D. W. Sherman. 2,660,477, Nov. 24.
Presser, Clip-on suit. F. Greb-Lasky. 2,635,368, Apr. 21.
Presser device for shoe sewing machines. P. Actis. 2,656,802, Oct. 27.
Presser foot for rivet sets. B. K. Gann. 2,630,030, Mar. 3.
Presser foot for sewing machines. R. E. Johnson and C. A. Kessler. 2,627,240, Feb. 3.
Presser foot gauge. M. Murino. 2,647,480, Aug. 4.
Presser-foot, Sewing machine. J. P. Enos. 2,652,016, Sept. 15.
Presser, Heatless necktie. L. R. Bently. 2,629,948, Mar. 3.
Presser lifting mechanism for sewing machines. F. F. Zeier. 2,625,895, Jan. 20.
Presser, Trousers. W. G. Raper. 2,645,389, July 14.
Pressing and drying machine, Book. J. N. Hicks, M. F. Supy, and R. H. McDavid. 2,636,195, Apr. 28.
Pressing and like machine. V. Chmelar. 2,642,973, June 23.

Pressing apparatus for footwear and the like. B. W. Morrison. 2,654,901, Oct. 13.
Pressing equipment for pile fabrics. D. M. Keast. 2,663,958, Dec. 29.
Pressing form for garment sleeves. Y. Amber. 2,662,672, Dec. 15.
Pressing machine. H. E. Cole and W. Olsen. 2,651,125, Sept. 8.
Pressing machine. S. Rosenthal. 2,629,524, Feb. 24.
Pressing machine, Automatic ware. J. Jordan. 2,638,654, May 19.
Pressing machine, Garment. R. M. Schultz. 2,644,254, July 7.
Pressing machine, Multiple buck garment. C. G. Westwood. 2,624,964, Jan. 13.
Pressing machine, Pants. S. Rosenthal. 2,658,649, Nov. 10.
Pressing machine, Steam. W. Goldman. 2,663,954, Dec. 29.
Pressing machine, Vertical trouser. A. B. Jones. 2,627,128, Feb. 3.
Pressing pleats in fabric materials, Method and apparatus for. M. G. Hutchins. 2,660,345, Nov. 24.
Pressure accumulator. I. E. Weber and J. Blumenfeld. 2,630,834, Mar. 10.
Pressure actuated switch. G. E. Waters. 2,644,049, June 30.
Pressure actuated throttle valve. S. G. Best and D. R. Pearl. 2,649,108, Aug. 18.
Pressure-and-vacuum filling machine. P. R. Fechheimer. 2,660,357, Nov. 24.
Pressure balance indicator. D. R. de Boisblanc. 2,645,949, July 21.
Pressure band for brake linings. E. J. Vosler. 2,642,917, June 23.
Pressure-boosting apparatus for vehicle hydraulic brake systems. O. E. Troyer. 2,662,618, Dec. 15.
Pressure changer for gas regulators, Automatic. T. A. Hanson. 2,661,577, Dec. 8.
Pressure contact. C. J. Adams. 2,644,145, June 30.
Pressure container with removable closure. H. L. Parr. 2,625,296, Jan. 13.
Pressure containing flexible wave guide. R. S. Carr. 2,657,364, Oct. 27.
Pressure control apparatus having limiting controller. A. B. Chudyk. 2,629,074, Feb. 17.
Pressure control device. J. A. Drake. 2,645,240, July 14.
Pressure control for electromagnetically operated reciprocating piston pumps. T. J. Mesh. 2,630,345, Mar. 3.
Pressure control system for gas turbine plants. W. Traupel. 2,658,336, Nov. 10.
Pressure controller. F. L. Runninger. 2,624,868, Jan. 6.
Pressure cooker. P. Antonioli, Jr., and A. Johnson. 2,654,501, Oct. 6.
Pressure cooker. A. Bakst and S. L. Ruskin. 2,632,579, Mar. 24.
Pressure cooker. O. M. Burkhardt. 2,626,560, Jan. 27.
Pressure cooker. H. C. Davis. 2,629,312, Feb. 24.
Pressure cooker closure. W. J. During, Sr., and W. J. During, Jr. 2,636,635, Apr. 28.
Pressure cooker. W. and M. Lotter. 2,652,170, Sept. 15.
Pressure cooker. A. Warren. 2,659,805, Nov. 17.
Pressure cooker, Automatic gas and electric. I. Page. Re. 23,709, Sept. 1.
Pressure cooker relief device. M. H. Graham. 2,661,864, Dec. 8.
Pressure cooker valve. H. A. Westby. 2,656,852, Oct. 27.
Pressure differential control system for closed steam boiler return systems. A. G. Arbogast. 2,626,756, Jan. 27.
Pressure differential responsive device. R. R. Donaldson, Jr. 2,661,754, Dec. 8.
Pressure equalizer. E. L. Alexander. 2,638,932, May 19.
Pressure fluid motor with movement limit valve therefor. N. C. Williams. 2,624,320, Jan. 6.
Pressure fluid operated pressure intensifier. E. A. Rockwell. 2,638,747, May 19.
Pressure fluid supply system. D. N. Walker. 2,655,109, Oct. 13
Pressure gauge. A. F. Allwein. Re. 23,723, Oct. 13.
Pressure gauge. V. Bautista. 2,633,026, Mar. 31.
Pressure gauge. C. C. Waugh. 2,641,131, June 9.
Pressure governed time valve. W. C. Way. 2,643,644, June 30.
Pressure governor. W. A. Ray. 2,641,871, June 16.
Pressure head, Electric. C. M. Hathaway. 2,637,210, May 5.
Pressure indicating and relief valve. E. H. Wittenberg and A. F. Allen. 2,633,867, Apr. 7.
Pressure indicating pneumatic transmission system. W. E. Vannah. 2,658,392, Nov. 10.
Pressure jet apparatus. D. M. Paxton. 2,643,616, June 30.
Pressure loaded gear pump. J. A. Lauck. 2,660,958, Dec. 1.
Pressure lubricator. S. O. Jakobsen. 2,634,688, Apr. 14.
Pressure measuring device. C. M. Wolfe, Q. M. Shultise, and C. W. Grow. 2,655,043, Oct. 13.
Pressure method of preparing diborane. E. M. Boldebuck, J. R. Elliott, and G. F. Roedel. 2,658,816, Nov. 10.
Pressure modulating relay. W. B. Heinz. 2,651,317, Sept. 8.
Pressure muller, Variable. W. Horth. 2,630,975 Mar. 10.
Pressure operated collapsible valve. W. A. Hazlett. 2,641,282, June 9.
Pressure operated device. S. Vernet. 2,636,776, Apr. 28.
Pressure operated temperature responsive switch. G. A. Starbird. 2,648,741, Aug. 11.
Pressure operated valve. A. B. Wilson. 2,626,633, Jan. 27.
Pressure operated well apparatus. R. C. Baker and M. B. Conrad. 2,637,402, May 5.
Pressure pickup. C. M. Wolfe and J. E. Miller. 2,641,742, June 9.
Pressure pickup element. H. F. Rundell. 2,663,781, Dec. 22.
Pressure ratio sensing device. J. H. Stresen Reuter, and J. T. Karpus, Jr. 2,652,813, Sept. 22.
Pressure receptacle and closure therefor. J. Ottmar, G. A. Matteson, Jr., U. U. Savolainen, and P. G. Chace. 2,629,513, Feb. 24.
Pressure receptacle and closure therefor. U. U. Savolainen. 2,629,514, Feb. 24.
Pressure reducing valve. A. Simons. 2,642,892, June 23.
Pressure reducing valve. H. J. Stacey. 2,662,543, Dec. 15.
Pressure reducing valve. E. W. Work. 2,631,412, Mar. 17.
Pressure regulating and selecting system for aircraft instruments. S. M. Clippinger. 2,641,274, June 9.
Pressure regulating device. H. Mackie. 2,650,605, Sept. 1.
Pressure regulating valve. N. F. Cornelius. 2,663,122, Dec. 22.
Pressure regulating valve. E. P. Kellie. 2,645,884, July 21.
Pressure regulating valve. K. C. Mosier and G. K. Mead. 2,650,456, Sept. 1.
Pressure regulating valve. G. A. Wahlmark. 2,638,109, May 12.
Pressure regulator. P. Angles d'Auriac. 2,651,323, Sept. 8.
Pressure regulator. W. F. MacGlashan, Jr. 2,660,834, Dec. 1.
Pressure regulator. A. S. Parks. 2,631,606, Mar. 17.
Pressure regulator. T. A. St. Clair. 2,653,793, Sept. 29.
Pressure regulator valve. C. S. Morrison. 2,634,748, Apr. 14.
Pressure releasing device. K. B. Bredtschneider. 2,633,151, Mar. 31.
Pressure relief valve. A. D. Eplett and F. H. Hopkins. 2,641,278, June 9.
Pressure responsive and indicating device. G. W. Laurie. 2,651,279, Sept. 8.
Pressure responsive automobile jack. R. C. Christopher. 2,634,580, Apr. 14.
Pressure responsive cutoff valve. W. L. Lyon. 2,658,521, Nov. 10.
Pressure responsive device. R. K. MacLea, Jr., I. A. Greenwood, Jr., and H. Ziebolz. 2,659,390, Nov. 17.
Pressure responsive device for determining the depth of liquids. I. D. Eby. 2,658,389, Nov. 10.
Pressure-responsive mechanism. C. E. Deardorff. 2,649,115, Aug. 18.
Pressure responsive mercury switch. W. J. and H. E. Turnupseed. 2,644,866, July 7.
Pressure responsive photoelectric indicating, measuring, and control device. F. C. Melchior. 2,656,721, Oct. 27.
Pressure responsive switch. D. F. Murphy. 2,658,120, Nov. 3.
Pressure ripper. L. O. McMahon. 2,657,914, Nov. 3.
Pressure roller spindle support and adjusting duplicating machines, Means for. R. M. Ford and G. T. Butler. 2,642,799, June 23.
Pressure sealed valve. W. M. Howser. 2,664,265, Dec. 29.
Pressure selecting system and mechanism. W. V. Brown. 2,655,941, Oct. 20.
Pressure selector valve. F. G. Cizek. 2,649,113, Aug. 18.
Pressure sensitive control device. B. G. Copping. 2,630,505, Mar. 3.
Pressure sensitive resistor. R. C. Du Bois. 2,656,444 Oct. 20.
Pressure spray oil burner. G. H. Toftmann. 2,626,187 Jan. 20.
Pressure switch. R. W. Clark and J. C. Koonz. 2,636,093, Apr. 21.
Pressure switch. R. R. Stein. 2,658,122, Nov. 3.
Pressure switch. H. H. Wolfe and E. W. Haas. 2,657,289, Oct. 27.
Pressure-tight tube joint. A. M. Mayo and H. L. Walpole. 2,635,900, Apr. 21.
Pressure transducer. I. A. Greenwood, Jr. 2,634,721, Apr. 14.
Pressure transfer device, Mercury type. M. F. Miller. 2,633,744, Apr. 7.
Pressure translator. I. A. Greenwood, Jr., H. Ziebolz, and A. L. Chaplin. 2,627,183, Feb. 3.
Pressure type container. E. W. Gronemeyer. 2,646,192 July 21.
Pressure vessel and pressure head therefor. J. D. Madaras. 2,640,624, June 2.
Pressure vessel closure seal. F. K. Zerbe. 2,627,361, Feb. 3.
Pressure vessel, Jacketed. J. A. McInerney. 2,664,098, Dec. 29.
Pressurized bearing. H. I. Becker. 2,645,534, July 14.
Pressurized chamber for air-cooled engines. C. F. Bachle. 2,644,541, July 7.
Pressurized combustion and ash removal system for coal-fired gas turbine power plants. J. I. Yellott. 2,652,792 Sept. 22.

Prestressed concrete structural compression member. G. A. Maney. 2,660,049, Nov. 24.
Prestressed spring. J. D. Howell. 2,626,790, Jan. 27.
Pretzel machine. H. G. Allen and O. M. Hudson. 2,629,340, Feb. 24.
Preventing blows in manufacture of pneumatic tires. J. F. Reheiser. 2,650,642, Sept. 1.
Preventing coke formation in distillation towers, Method and apparatus for. J. S. Palmer. 2,626,894, Jan. 27.
Preventing collapse of molded concrete products when core is withdrawn, Means for. R. O. Davis and N. B. Osborne. 2,646,607, July 28.
Preventing corrosion. C. M. Blair, Jr., and W. F. Gross. 2,640,029, May 26.
Preventing corrosion of ferrous metals. M. L. Lytle. 2,659,693, Nov. 17.
Preventing discoloration of fuel oil. R. B. Thompson and J. A. Chenicek. 2,641,539, June 9.
Preventing discoloration of fuel oils. R. B. Thompson and J. A. Chenicek. 2,641,538, June 9.
Preventing discoloration of sliced organic materials. L. L. Antle and R. M. Bohn. 2,628,905, Feb. 17.
Preventing flotation of floc. A. A. Kalinske and L. H. Scott. 2,650,193, Aug. 25.
Preventing ice formation in jet propulsion and gas turbine engines, Means for. W. J. McCann. 2,647,366, Aug. 4.
Preventing indention of bearings. R. E. Greenough. 2,636,786, Apr. 28.
Preventing internal-combustion turbine units from icing, Means for. T. Clark. 2,625,010, Jan. 13.
Preventing loss of fluid into thief formations. P. H. Cardwell and F. H. Braunlich, Jr. 2,650,195, Aug. 25.
Preventing oil creepage, Means for. E. R. Booser and D. F. Wilcock. 2,657,943, Nov. 3.
Preventing pollution of streams. R. H. Bliss. 2,628,165, Feb. 10.
Preventing premature polymerization of resinifiable mixtures with oxalic acid. E. E. Parker. 2,664,413, Dec. 29.
Preventing the occurrence of pin holes in thin, microporous hard rubber separators. G. L. Cory. 2,637,876, May 12.
Preventing the physical disintegration of ammonium nitrate by temperature fluctuations. L. A. Stengel and J. W. Brodhacker. 2,657,977, Nov. 3.
Preventing the precipitation of insoluble salts of phenoxyacetic acids. E. Leblon. 2,651,568, Sept. 8.
Preventing the separation of pairs of socks and the like during laundering, Means for. R. J. Bohman. 2,663,877, Dec. 29.
Prevention of corrosion. J. W. Nelson. 2,640,809, June 2.
Prevention of decomposition of chloroalkyl aryloxyalkyl sulfites. H. D. Glenn and L. Meuser. 2,644,008, June 30.
Prewarming device for film slides. P. J. Howard. 2,627,017, Jan. 27.
Prewetting in imbibition printing. W. E. Pohl. 2,648,280, Aug. 11.
Price indicating structure. E. E. Kittridge. 2,629,951, Mar. 3.
Price tag holder. M. Orlin. 2,640,288, June 2
Price tag holder. J. Stingl. 2,626,472, Jan. 27.
Primary battery. J. D. Moulton. 2,624,767, Jan. 6.
Primary cell. S. Ruben. 2,638,489, May 12.
Primary cell. A. J. Warner and A. R. Gobat. 2,663,749, Dec. 22.
Primary cells. A. J. Warner and A. R. Gobat. 2,661,388, Dec. 1.
Primary diamines, Preparation of. D. F. De Tar and C. J. Le Pome. 2,640,080, May 26.
Primary dry cell. W. S. Herbert. 2,650,945, Sept. 1.
Primary suction drum assembly. R. H. Breyfogle. 2,656,768, Oct. 27.
Prime mover starting and shutdown system. C. A. Brancke. 2,658,153, Nov. 3.
Prime mover starting system. C. A. Brancke and T. J. Warrick. 2,658,154, Nov. 3.
Primed hardboard, Producing. J. B. McCorkle. 2,654,296, Oct. 6.
Primer. M. S. Silverstein. 2,649,047, Aug. 18.
Priming arrangement for centrifugal pumps. F. A. Waterous. 2,660,956, Dec. 1.
Priming composition. J. F. Kenney. 2,663,627, Dec. 22.
Priming device. A. Morde. 2,639,702, May 26.
Priming device for starting engines. I. Levine. 2,641,240, June 9.
Priming device, Reciprocating piston pressure. W. P. Roberg. 2,657,639, Nov. 3.
Priming means for centrifugal pumps. A. L. Grisé. 2,662,481, Dec. 15.
Print developer. D. R. L. Cornwell and J. Taini. 2,625,866, Jan. 20.
Print developer. J. Taini. 2,625,865, Jan. 20.
Print mechanism, Positive cam operated. K. J. Braun. 2,658,447, Nov. 10.
Printed electrical conductor. W. H. Hannahs. 2,641,675, June 9.
Printed transfer and using same. J. E. Adair. 2,626,226, Jan. 20.
Printer, Cylindrical contact. H. B. Stover. 2,653,529, Sept. 29.
Printer, Photographic. P. C. Cofield. 2,633,784, Apr. 7.
Printer, Rotary selective. E. Buhler. 2,627,807, Feb. 10.
Printer's central post form table. J. L. Ferguson, Jr. 2,659,571, Nov. 17.
Printer's gauge. C. C. Sauer. 2,647,326, Aug. 4.
Printing. J. Groak. 2,630,484, Mar. 3.
Printing and feeding apparatus for wire stitcher machines, Ticket. J. G. Mackechnie, Jr. 2,638,822, May 19.
Printing and issuing machine, Ticket. C. W. Adshead. 2,659,300, Nov. 17.
Printing and issuing mechanism, Receipt. W. P. Loudon. 2,628,774, Feb. 17.
Printing and molding press for soap cakes. P. Molla. 2,629,158, Feb. 24.
Printing apparatus. M. Hirschey. 2,655,103, Oct. 13.
Printing apparatus for calculating machines, Automatic. C. Wittenmyer. 2,637,493, May 5.
Printing apparatus, Photographic. E. J. Maker and J. L. Gibson. 2,657,613, Nov. 3.
Printing apparatus, Record controlled. H. P. Luhn and R. L. Johnson. 2,645,323, July 14.
Printing apparatus, Rotary photogravure. A. M. Halley. 2,638,844, May 19.
Printing apparatus, Rotary photogravure. A. M. Halley. 2,652,773, Sept. 22.
Printing apparatus, Rotary photogravure. A. M. Halley. 2,653,535, Sept. 29.
Printing apparatus, Stencil. J. B. Thomas. 2,637,269, May 5.
Printing apparatus, Stencil. J. B. Thomas and C. E. Moorhouse. 2,646,749, July 28.
Printing apparatus, Stencil. J. B. Thomas and C. E. Moorhouse. 2,651,257, Sept. 8.
Printing apparatus, Stencil. J. B. Thomas and C. E. Moorhouse. 2,651,988, Sept. 15.
Printing assistants for vat colors comprising zirconium salts. J. M. Mecco. 2,650,152, Aug. 25.
Printing chase. J. L. Ferguson, Jr. 2,635,541, Apr. 21.
Printing control means for record controlled machines. A. B. Crowell. 2,651,257, Sept. 8.
Printing device, Finger. J. E. Harris. 2,642,687, June 23.
Printing device. W. T. Gollwitzer. 2,629,383, Feb. 24.
Printing device, Address type. L. W. Seifried. 2,633,080, Mar. 31.
Printing device, Gummed tape. T. Finizie and J. J. Connolly. 2,649,045, Aug. 18.
Printing device in autographic register. A. A. C. Degen. 2,632,385, Mar. 24.
Printing equipment for guiding printing plates. W. T. Gollwitzer. 2,643,605, June 30.
Printing fluid, Colorless. D. W. Steinhardt. 2,654,673, Oct. 6.
Printing, folding, and cutting webs to make books. A. M. Zuckerman. 2,631,845, Mar. 17.
Printing hammer rebound preventing means. H. M. Williams and J. E. Johnson. 2,625,100, Jan. 13.
Printing ink for Portland cement bases. M. B. Young. 2,643,191, June 23.
Printing inks and producing the same. A. F. Schmutzler. 2,631,986, Mar. 17.
Printing machine. F. E. Curtis. 2,656,103, Oct. 20.
Printing machine. C. G. Krakenberg. 2,645,996, July 21.
Printing machine. M. Spiro. 2,645,179, July 14.
Printing machine, Bed and cylinder address. H. P. Elliott. 2,639,662, May 26.
Printing machine, Card controlled. H. H. Keen. 2,661,685, Dec. 8.
Printing machine, Combination tag and textile. P. N. Braun. 2,658,448, Nov. 10.
Printing machine, Drum series. J. B. Pilkington. 2,631,531, Mar. 17.
Printing machine, Record controlled duplicate. E. J. Rabenda. 2,647,460, Aug. 4.
Printing machine, Rotary. A. M. Halley. 2,639,666, May 26.
Printing machine, Rotary. A. M. Haley. 2,653,539, Sept. 29.
Printing machine, Rotary multicolor transfer. M. Ras. 2,649,734, Aug. 25.
Printing machine, Rotary photogravure. A. M. Halley. 2,638,843, May 19.
Printing machine, Selective hectographic. E. C. Sauerman, A. J. Hopkins, Joseph and John Erwood. 2,663,253, Dec. 22.
Printing machine, Ticket and strip. U. Schuster. 2,626,565, Jan. 27.
Printing machine, Wire character forming. W. Wockenfus. 2,653,534, Sept. 29.
Printing machine, Wire type. J. J. Hyland. 2,632,386, Mar. 24.
Printing means in accounting machines, Settable. E. E. Murphy. 2,647,459, Aug. 4.
Printing means in sales recorder, Pivotally mounted. J. H. Gruver. 2,633,075, Mar. 31.
Printing means using electric fields. F. C. Pethick. 2,633,796, Apr. 7.
Printing mechanism. B. K. Sionneger. 2,628,557, Feb. 17.
Printing mechanism, Automatic clear sign. H. L. Pitman. 2,655,311, Oct. 13.
Printing mechanism for accounting machines. M. A. Goodbar, E. H. Placke, and C. G. Falkner. 2,659,301, Nov. 17.
Printing mechanism for accounting machines, Symbol. R. A. Christian, A. J. Strachan, and P. H. Williams. 2,647,688, Aug. 4.

Printing mechanism for automatic polariscopes. O. P. W. Bernhardt. 2,631,529, Mar. 17.
Printing mechanism for calculating machines, Item and total. K. L. Gourdon. 2,645,419, July 14.
Printing mechanism, High speed. H. S. Beattie. 2,661,683, Dec. 8.
Printing mechanism, Ticket. M. A. Goodbar and R. G. Pratt. 2,647,458, Aug. 4.
Printing method and apparatus using a ribbon inker. E. W. Schreiner. 2,631,533, Mar. 17.
Printing pigment colors on glass fabrics. F. G. La Plana and G. N. Houth. 2,664,365, Dec. 29.
Printing plate and the embossing thereof, Plastic. G. C. Brainard and J. H. Gruver. 2,645,178, July 14.
Printing plate for use on the cylinders of rotary printing machines and in clamping mechanism therefor. J. O. Crabtree and C. W. Marshall. 2,630,756, Mar. 10.
Printing plate preparation. W. H. Wood and D. N. Adams. 2,663,639, Dec. 22.
Printing plate, Process and apparatus for preparing a. J. H. Perry, Jr., and R. C. Graham. 2,639,995, May 26.
Printing plate securing means. W. T. Gollwitzer. 2,643,608, June 30.
Printing plate solidifying and dimensioning method. D. C. Cottrell and C. C. Sweet. 2,645,998, July 21.
Printing plate with stabilized hydrophilic coating, Paper planographic. S. V. Worthen. 2,635,537, Apr. 21.
Printing plates and cylinders with chloro-bromide resist-forming film, Preparation of. H. Kott. 2,628,903, Feb. 17.
Printing plates, producing etched. M. R. Boyer. 2,650,877 Sept. 1.
Printing plates, producing etched. M. R. Boyer and A. W. Grumbine. 2,650,878, Sept. 1.
Printing press. J. R. Emery, Jr. 2,637,336, May 5.
Printing press. W. M. Pollock. 2,654,316, Oct. 6.
Printing, punching, and cutting machine. O. V. and L. V. Dutro, and J. F. Nameth. 2,655,098, Oct. 13.
Printing rollers, Manufacturing. J. Spencer. 2,626,222, Jan. 20.
Printing rolls, Making. W. H. King. 2,638,050, May 12.
Printing suppression mechanism for teletypewriters. S. W. Beyland. 2,641,644, June 9.
Printing surfaces for photographing, Preparation of. G. L. Morrison. 2,624,700, Jan. 6.
Printing tag, Address type. L. E. Vogt. 2,626,567, Jan. 27.
Printing telegraph apparatus. R. D. Salmon. 2,655,555, Oct. 13.
Printing textile fabric. P. L. Meunier and R. J. Summerill. 2,641,554, June 9.
Printing system for photocomposing machines or the like. W. E. Peery. 2,653,526, Sept. 29.
Prism system for binocular microscopes. E. Leitz, Jr., M. Englemann, and A. Bröhl. 2,660,090, Nov. 24.
Prismatic directional and object locating system. W. P. Mason. 2,658,186, Nov. 3.
Probe for high-frequency electrical devices, Adjustable. J. R. Bird and J. A. Bilski. 2,636,084, Apr. 21.
Problem teaching device using answer blocks. A. H. Merrill. 2,625,750, Jan. 20.
Procedure and apparatus for metal drawing. W. E. Kerr. 2,636,594, Apr. 28.
Procedure and bath for plating on aluminum. W. G. Zelley. 2,650,886, Sept. 1.
Process. L. H. Beckberger and R. C. Woerner. 2,661,383, Dec. 1.
Process and apparatus for aging meats and storing vegetables. A. Latham, Jr. 2,629,232, Feb. 24.
Process and apparatus for coating surfaces with liquid compositions containing solid matter in suspension. A. H. Hawes. 2,660,415, Nov. 24.
Process and apparatus for continuous milling of plastic material. H. A. Swallow. 2,645,813, July 21.
Process and apparatus for producing glass fibrous tubes. J. F. Stephens. 2,656,873, Oct. 27.
Process and composition for producing improved viscose. G. C. Yehling, Jr. 2,663,704, Dec. 22.
Process and apparatus for the manufacture of synthesis gas. B. J. Mayland. 2,655,442, Oct. 13.
Process and apparatus for the production of fibers from thermoplastics. P. R. Heymes and I. Peyches. 2,624,912, Jan. 13.
Process and apparatus for use in preparing color sets for shaded tones printing. R. Smejda. 2,655,752, Oct. 20.
Process and composition for washing glass. D. E. Miller. 2,656,289, Oct. 20.
Process and means for metallizing nonconductive bases. F. M. New. 2,657,097, Oct. 27.
Process and plant for the mechanical preparation of coals and minerals by washing in a plurality of chutes. A. France. 2,664,196, Dec. 29.
Process and product of producing hydrocarbon drying oils. H. S. Bloch and A. E. Hoffman. 2,644,847, July 7.
Process for preparing polymers of acrylonitrile. T. E. Stainin, H. W. Coover, and J. B. Dickey. 2,629,711–12, Feb. 24.
Process for the production of naphthalene and related derivatives, and derivatives highly chlorinated, partially hydrogenated triphenylene. J. Hyman and M. Silverman. 2,658,913, Nov. 10.
Process monitor mass spectrometer minimizing high-voltage history effects. H. W. Washburn. 2,652,495, Sept. 15.
Process of and electrolyte for refining copper. Schloen and K. Ekler. 2,660,555, Nov. 24.
Process of manufacturing compound cutting knives. H. D. Stuck. 2,629,677, Feb. 24.
Process of removing heat-sealed adhesive labels. Quimby and J. A. Venedam. 2,629,675, Feb. 24.
Process of slotting pipe. W. B. Fridy. 2,629,164,
Process of treating phosphatides and product. Julian, H. T. Iveson, and M. L. McClelland. 2, Feb. 24.
Processing and extruding plasticizing materials, and apparatus for continuously. D. E. 2,640,033, May 26.
Processing apparatus. E. R. Anderson. 2,630,9 10.
Processing apparatus for radiation detection M. N. Fairbank. 2,624,253, Jan. 6.
Processing carbonaceous materials for subsequen tion treatment. J. W. Donegan. 2,624,712, J
Processing fibrous pulp. H. Hill and J. T. 2,641,164, June 9.
Processing hydrocarbons. R. T. Savage and E. Jr. 2,663,677, Dec. 22.
Processing lubricating oil by treating with sulfu a phosphorus sulfide and a base and the resulti ucts. J. D. Bartleson. Re. 23,677, June 30.
Processing machine having a treatment tank an vator mechanism. T. H. Curtis. 2,626,621, J
Processing metal powders. F. J. Hansgrig. 2 May 12.
Processing mineral fibers. H. W. Essman. 2 Sept. 29.
Processing of filamentary tow, Continuous. H. man. 2,657,433, Nov. 3.
Processing of heat-sensitive fluids. T. Wasser M. E. Lazar. 2,625,488, Jan. 13.
Processing of steel strip continuously. R. Dur Frick, and J. H. Shoemaker. 2,635,063, Apr.
Processing of sulfur-vulcanizable materials, an compositions. W. T. Cooper. 2,625,528, Jan.
Processing paper. I. C. Cowie and J. H. 2,635,509, Apr. 21.
Processing solvent-extracted lubricating oil by with phosphorus pentasulfide and a base and t ing products. J. D. Bartleson. Re. 23,676,
Processing sound film. G. M. Best. 2,635,047, A
Processing wood. C. D. Dosker. 2,653,890, Sep
Processing wood pulp. H. S. Hill. 2,660,097,
Prodigiosin, Production of. R. L. Harned. Nov. 3.
Produce-handling apparatus. B. P. Robinson. Apr. 7.
Producing a bonded structure. R. K. Witt, W. G and B. L. Itaskin. 2,649,396, Aug. 18.
Producing a caramel color of high tinctorial pow form of solid particles or a dry powder. J. E H. W. Curry, and A. L. Meyer. 2,651,577,
Producing a colored photographic image by mea haustion of developer. E. H. Land. 2,661,29
Producing a continuous sheet of integrated mic and method for. M. D. Heyman. 2,659,412, N
Producing a crystalline mixture of hexamethylene thiocyanic acid and ammonium sulphate. E. 2,647,897, Aug. 4.
Producing a fertilizer from phosphate rock. M. 2,643,948, June 30.
Producing a fluffy chocolate confection. P. E. 2,645,580, July 14.
Producing a gas atmosphere, Apparatus and m A. G. Hotchkiss. 2,631,135, Mar. 10.
Producing a purified coke. J. H. Hickey. Jan. 6.
Producing a sharply bent corner in a plate. lamber. 2,639,495, May 26.
Producing accurately-timed high-power electri Method and means for. J. T. Vaughan. Jan. 6.
Producing alkylene-bis-dithio-alkylene and -aryl boxylic acids. J. Klarer and H. Timmler. Oct. 27.
Producing an aerofoil having a core and a molded skin. J. E. Gordon and C. G. Evans. Oct. 13.
Producing an electrophotographic plate. O. and A. E. Middleton. 2,657,152, Oct. 27.
Producing an open mesh fabric of glass fibers. 2,664,375, Dec. 29.
Producing and recording simple and composite tones, Method and means for. A. H. Frisc Silverberg. 2,627,413, Feb. 3.
Producing articles from rubber. C. W. Heijne and R. R. Laupman. 2,641,023, June 9.
Producing brass powder. J. E. Drapeau, Jr. Barber, Jr. 2,645,573, July 14.
Producing calcium chloride pellets. W. R. Be L. N. Carmouche. 2,646,343, July 21.
Producing closed end tubing, Method and means and R. E. Whiting. 2,663,206, Dec. 22.
Producing container bodies. W. H. Ayres. Feb. 24.
Producing cushion in seams of containers. D. 2,643,627, June 30.

Producing dextran products having substantially uniform molecular size for pharmaceutical and therapeutic preparations. A. J. T. Grönwall and B. G. Ingelman. 2,644,815, July 7.
Producing edible coatings for edible products. A. J. Kloess. 2,663,269, Dec. 22.
Producing electrical and mechanical energy from thermal energy, Method and apparatus for. C. Chilowsky. 2,648,784, Aug. 11.
Producing electrified powders by friction, Method and apparatus for. P. Hampe. 2,657,339, Oct. 27.
Producing fibers from glass and other heat-softenable materials, Method and apparatus for. C. J. Stalego. 2,645,814, July 21.
Producing fibers, Method and apparatus for. C. J. Stalego. 2,643,415, June 30.
Producing fibers, Method and apparatus for. C. J. Stalego. 2,663,903, Dec. 29.
Producing film, Method and apparatus for. R. F. Pierce. 2,632,206, Mar. 24.
Producing gears, Method and apparatus for. E. Wildhaber. 2,633,775, Apr. 7.
Producing heat exchange elements. J. Plumeri and A. L. Reisinger. 2,656,808, Oct. 27.
Producing images on rigid surfaces. H. E. Copley. 2,637,651, May 5.
Producing inert gases. H. V. Williamson. 2,624,711, Jan. 6.
Producing integral color correction masks. K. O. Ganguin and N. H. Haddock. 2,663,637, Dec. 22.
Producing lubricating oils, Combination. F. H. Blanding. 2,660,552, Nov. 24.
Producing masonry simulating panel. W. A. Lawson. 2,660,217, Nov. 24.
Producing mat surfaces being poor in adhesion on thermoplastics. K. Tanner. 2,633,434, Mar. 31.
Producing microphotographs having a three-dimensional effect, Means for. K. A. Fischer. 2,639,653, May 26.
Producing mineral wool, Method and apparatus for. C. J. Koehler. 2,632,919–20, Mar. 31.
Producing mixtures of coke and mineral materials, Method and apparatus for. C. J. McFarlin. 2,658,039, Nov. 3.
Producing modified lard. K. F. Mattil and F. A. Norris. 2,625,479–82, Jan. 13.
Prdoucing modified lard. K. F. Mattil and D. Nelson. 2,625,483, Jan. 13.
Producing modified lard. D. Nelson and K. F. Mattil. 2,625,486, Jan. 13.
Producing multiply metal-foil-cardboard material and producing articles formed of such material. F. P. Lenard and G. W. Methven. 2,643,593, June 30.
Producing packaged units of commodities, Method of and apparatus for. C. W. Vogt. 2,653,430, Sept. 29.
Producing paper bags. W. S. Blizard. 2,645,166, July 14.
Producing piled fabrics, Method and apparatus for. P. H. Stortz. 2,638,933, May 19.
Producing plastic rimmed spools. L. H. Morin. 2,646,378, July 21.
Producing plywood with a paper-faced platen. H. C. Soehner. 2,660,548, Nov. 24.
Producing preassembled nuts and washers, Means for and methods of. M. H. Nielsen. 2,644,178, July 7.
Producing protected metal articles, Method of and apparatus for. A. W. Coffman. 2,631,641, Mar. 17.
Producing reducing gas mixtures. G. Roberts, Jr. 2,625,470, Jan. 13.
Producing reflecting films, decalcomanias, and signs. F. L. Porth. 2,646,364, July 21.
Producing regenerated cellulose articles from viscose. G. A. Richter, Jr. and R. H. Braunlich. 2,625,461, Jan. 13.
Producing retainer-welt slipper socks. M. Spack. 2,659,911, Nov. 24.
Producing shot. P. W. Beamer and W. G. Young, Jr. 2,636,219, Apr. 28.
Producing simulated-brick siding boards, Method of and means for. J. E. Miller. 2,644,768, July 7.
Producing slate shingles or the like, Process and apparatus for. E. T. Lake. 2,654,358, Oct. 6.
Producing spinnerets for the production of threads. C. Issartial. 2,658,414, Nov. 10.
Producing stabilization in soil masses. J. W. Poulter. 2,627,169, Feb. 3.
Producing streptomycin and vitamin B_{12}. R. B. McCormack, A. F. Langlykke, and D. Perlman. 2,656,300, Oct. 20.
Producing synthetic mica. J. H. Waggoner. 2,645,060, July 14.
Producing synthetic tannins by dehydrating and sulfonating a novolak resin in a vacuum. E. D. Compton. 2,663,698, Dec. 22.
Producing test specimens of concrete for pressure tests. S. Thaulow. 2,644,220, July 7.
Producing textured films, Method and apparatus for. L. H. and F. M. Smith. 2,660,757, Dec. 1.
Producing threads or filaments electrically, Method and means of. W. C. Huebner. 2,636,216, Apr. 28.
Producing tubular bodies from wood by coiling up veneer sheets, Means for. H. N. Moe. 2,655,187, Oct. 13.
Producing viscose, Method and apparatus for. C. D. Vandenburgh and M. P. Kulp. 2,648,661, Aug. 11.
Producing visual likenesses with the aid of radio waves, Method of and apparatus for. R. H. Rines. 2,627,600, Feb. 3.
Producing welded double glazed units. W. R. Clever and H. O. Phalin. 2,624,979, Jan. 13.
Product containing sodium acid cyanamide, Preparation of. R. A. Vingee and L. L. Lento, Jr. 2,658,825, Nov. 10.
Product dispensing machine. E. H. Thompson. 2,660,351, Nov. 24.
Product for dispensing a liquid-coated sheet. E. H. Land. 2,661,292, Dec. 1.
Product transfer mechanism. E. J. Rapp. 2,649,952, Aug. 25.
Products and methods: reacting cashew nut shell liquid and polymers with unsaturated fatty acids. M. T. Harvey. 2,637,709, Apr. 5.
Products having physostigmine-like action. E. H. Sakal. 2,662,890, Dec. 15.
Production and purification of amino acids. H. C. White. 2,642,459, June 16.
Production and recovery of ammonium sulfate. R. S. Ogilvie. 2,653,077, Sept. 22.
Production and separation of anhydrous alkali metal sulfate and boric acid. D. S. Taylor. 2,637,626, May 5.
Production, concentration and stabilization of fat-soluble valuable substances from carrots and the resulting product. F. Tiedt and R. Dewald. 2,656,274, Oct. 20.
Production method and apparatus. F. S. Tutton. 2,636,445, Apr. 28.
Production of closure seals by partially curing a cushion material and thereafter shaping and completing the cure. C. E. Maier, H. E. Brockett, and R. A. Larson. 2,663,909, Dec. 29.
Production of closure seals by partially curing, shaping, and completing the cure. C. E. Maier, H. E. Brockett, and R. A. Larson. 2,663,908, Dec. 29.
Production of iron and steel. N. F. Tisdale and N. F. Tisdale, Jr. 2,643,949, June 30.
Production of iron in a blast furnace. F. Totzek. 2,650,161, Aug. 25.
Production of short paper rolls from long paper-rolls. N. Marcalus. 2,647,576, Aug. 4.
Profile method of making steel. J. F. Jordan. 2,649,366, Aug. 18.
Profile scraper, Adjustable. N. Einhorn. 2,655,721, Oct. 20.
Profile tracing machine. E. W. Johnston. 2,654,951, Oct. 13.
Profile turning and boring lathe. L. A. Leifer and C. H. Johnson. 2,627,194, Feb. 3.
Profiling attachment. O. von Zelewsky. 2,645,967, July 21.
Profiling machine. G. A. Eberle, E. S. Zuchowski, and F. V. Maltbie. 2,624,242, Jan. 6.
Program circuit for automatic furnaces. E. C. Thomson and H. J. Webb. 2,624,399, Jan. 6.
Program control apparatus. W. B. Dolph. 2,638,980, May 19.
Progressive change-speed gear. P. C. Patin. 2,660,073, Nov. 24.
Progressive forming of C-stage plastic material, Method and apparatus for. W. I. Beach. 2,648,370, Aug. 11.
Progressive fuel combustion fluid heating apparatus and control means therefor. L. M. Reygagne. 2,646,790, July 28.
Progressive high-frequency heating of variable-dimension shafts. A. C. Body and J. T. Sabol. 2,643,325, June 23.
Projectile. L. V. S. Blacker. 2,657,630, Nov. 3.
Projectile. E. W. Brandt. 2,661,691, Dec. 8.
Projectile. J. A. McNally. 2,624,281, Jan. 6.
Projectile-accelerating mechanism for firearms. E. N. Stanley. 2,648,257, Aug. 11.
Projectile control system. L. Katz. 2,644,397, July 7.
Projectile, Marker type. C. R. Edmonds. 2,629,600, Feb. 24.
Projectile method and means. M. B. Robinson. 2,654,321, Oct. 6.
Projectile, Nonskid. R. H. Gaede. 2,634,982, Apr. 14.
Projectile radio sonde. H. E. Tatel and E. W. Trainer. 2,647,991, Aug. 4.
Projectile, Subcaliber. C. L. Critchfield. 2,638,051, May 12.
Projecting device. M. J. Binks. 2,660,158, Nov. 24.
Projecting device for pin ball amusement apparatus. L. A. Durant. 2,663,568, Dec. 22.
Projecting machine for projecting from stacks of individually framed films. R. P. Smith. 2,632,362, Mar. 24.
Projection apparatus, Continuous loop film. A. J. Bradford. 2,651,966, Sept. 15.
Projection apparatus for projecting spots of light simulating stars upon a surface. F. D. Korkosz. 2,661,654, Dec. 8.
Projection apparatus, Multiplex picture. S. Domeshek. 2,660,087, Nov. 24.
Projection compass. E. E. Norris. 2,659,972, Nov. 24.
Projection illumination system for the homogeneous distribution of light. E. Gretener. 2,624,234, Jan. 6.
Projection lamp holder. R. E. Ulrich and V. A. Schlenker. 2,653,217, Sept. 22.
Projection of stereoscopic pictures. J. F. Stipek. 2,661,651, Dec. 8.
Projection plotting lens and optical system. E. H. Birdsall. 2,644,361, July 7.

Projection screen. C. G. Burton. 2,660,927, Dec. 1.
Projection television tube. J. R. Beers. 2,663,012, Dec. 15.
Projection viewing and calculating device. C. H. Stockwell. 2,638,031, May 12.
Project-o-graph. L. Valois. 2,636,271, Apr. 28.
Projector and target game. A. A. Chapin. 2,657,057, Oct. 27.
Projector apparatus, Slide. G. L. Brock. 2,653,512, Sept. 29.
Projector, Ball. F. E. Moore. 2,664,077, Dec. 29.
Projector, Ball. S. J. Murphy. 2,642,058, June 16.
Projector, Disk or ring. A. Luthi. 2,662,518, Dec. 15.
Projector, Display. F. Hotchner. 2,639,918, May 26.
Projector for film slides, Picture. R. M. Barth. 2,634,653, Apr. 14.
Projector for simulated basket ball games. W. J. Elliott, Sr. 2,658,495, Nov. 10.
Projector having meniscus to correct for antihalation lens, Schmidt television. D. W. Epstein. 2,642,488, June 16.
Projector, including shutter structure for preheating film, Motion-picture. W. Borberg. 2,660,917, Dec. 1.
Projector, Motion picture. O. R. Nemeth. 2,647,435, Aug. 4.
Projector, Multiprogram. D. A. Young, Jr. and R. A. Fox. 2,625,073, Jan. 13.
Projector, Picture. E. W. Goldberg. 2,625,077, Jan. 13.
Projector, Puppet golf ball. H. Arenson and J. F. Witherspoon. 2,638,348, May 12.
Projector, Repeating type elastic band. F. T. Eagleson, Jr. 2,625,147, Jan. 13.
Projector, Smoke ring. T. M Shelton. 2,628,450, Feb. 17.
Projector temperature indicating slide. R. D. La Coe, Jr. 2,655,810, Oct. 20.
Projector with automatic focus mechanism, Reflecting. J. T. Pennington. 2,655,834, Oct. 20.
Projector with color disk, Folded Schmidt television. T. E. Poliakoff. 2,662,111, Dec. 8.
Promoting chemical reactions, Process and means of. W. W. Odell. 2,662,091, Dec. 8.
Promoting polymerization. M. M. Lee. 2,647,878, Aug. 4.
Prong cap for snap fasteners. H. J. Reiter. 2,635,316, Apr. 21.
Prong cap for snap fasteners. H. J. Reiter. 2,653,366, Sept. 29.
Prop, Clothes. E. J. Hughes, Jr. 2,634,942, Apr. 14.
Prop, Clothesline. K. S. La Russa. 2,653,785, Sept. 29.
Prop, Metallic. K. Gerlach. 2,661,180, Dec. 1.
Propane fractionation of reduced crude oil. B. C. Benedict. 2,664,384, Dec. 29.
Propargyl aldehyde dimethyl acetal, Preparing. F. Fahnoe. 2,624,765, Jan. 6.
Propellant powder grain for rocket motors. B. H. Sage and W. N. Lacey. 2,628,561, Feb. 17.
Propellent charge for jet-propelled devices. R. W. Cairns. 2,643,184, June 23.
Propeller. A. S. Mullgardt. 2,627,928, Feb. 10.
Propeller, Aircraft. J. F. Haines and C. B. Wright. 2,648,388, Aug. 11.
Propeller, Articulated blade. M. E. Cushman and P. J. Kiefer, Jr. 2,648,391, Aug. 11.
Propeller blade and making same, Electrically welded hollow steel. W. C. Heath. 2,643,725, June 30.
Propeller blade construction. F. M. Le Compte. 2,652,897, Sept. 22.
Propeller blade, Rubber filleted. L. H. Enos. 2,631,678, Mar. 17.
Propeller blade, Self-adjusting. R. Doussain, R. Bousson, and L. Perrier. 2,645,295, July 14.
Propeller blade with bulbed core, Hollow. C. M. Kearns, Jr., and G. T. Lampton. 2,652,121, Sept. 15.
Propeller blades, Making. C. A. and C. H. Brauchler. 2,658,265, Nov. 10.
Propeller control. E. Martin. 2,635,700, Apr. 21.
Propeller control. R. E. Moore. 2,626,670, Jan. 27.
Propeller control. R. E. Moore and J. F. Mack. 2,626,669, Jan. 27.
Propeller control means. N. R. Richmond and D. W. Perin. 2,635,699, Apr. 21.
Propeller control mechanism. E. Martin and C. D. McCarthy. 2,643,077, June 23.
Propeller control, Turbine. R. Kochenburger, C. W. Chillson, and G. P. Knapp. 2,631,677, Mar. 17.
Propeller deicing mechanism. J. H. Sheets. 2,638,295, May 12.
Propeller electrical connector system. E. W. Radtke and W. E. Diefenderfer. 2,628,794, Feb. 17.
Propeller feathering. K. L. Berninger. 2,626,668, Jan. 27.
Propeller for aircraft, Jet-driven sustaining. V. Isacco. 2,640,549, June 2.
Propeller for aircraft, Tiltable. R. O. Froling. 2,625,347, Jan. 13.
Propeller for fluid. G. S. Faber. 2,649,921, Aug. 25.
Propeller, Hollow type aeronautical. C. B. Conwell. 2,657,754, Nov. 3.
Propeller mechanism. K. L. Berninger and J. F. Haines. 2,625,998, Jan. 20.
Propeller or rotor, Aircraft. R. H. Prewitt. 2,638,170, May 12.
Propeller pitch change mechanism. C. W. Chillson. 2,640,552, June 2.
Propeller pitch change mechanism. J. M. Mergen and H. Murphy. 2,646,131, July 21.
Propeller pitch change mechanism. G. Östergren. 2,664,167, Dec. 29.
Propeller pitch changing mechanism. E. Martin, M. C. Beebe, Jr., and J. E. Anderson. 2,642,945, June 23.
Propeller pitch-changing system, Hydraulic. M. E. Cushman. 2,640,555, June 2.
Propeller pitch control. T. B. Martin. 2,661,067, Dec. 1.
Propeller pitch stop system. M. E. Longfellow. 2,652,122, Sept. 15.
Propeller, Reversible. W. W. Frank. 2,634,815, Apr. 14.
Propeller, Reversible. G. Wood. 2,642,946, June 23.
Propeller, Rubber-backed. S. G. Bart. 2,637,404, May 5.
Propeller slip clutch. M. E. Hartz. 2,633,923, Apr. 7.
Propeller spinner construction with boundary layer control. R. N. Wallace. 2,637,403, May 5.
Propeller temperature control means. J. M. Mergen. 2,627,927, Feb. 10.
Propeller template. V. S. Drake. 2,636,280, Apr 28.
Propeller, Variable-pitch. S. P. Basevi. 2,655,999, Oct. 20.
Propeller, Variable pitch screw. E. de Lagabbe. 2,648,390, Aug. 11.
Propelling device, Cable supported. P. N. Travis and G. A. Garske. 2,639,676, May 26.
Propelling mechanism. E. Robertson. 2,653,720, Sept. 29.
Propelling system for locomotives and other vehicles. J. B. McLean. 2,624,290, Jan. 6.
Propelling unit for motor vehicles. D. Giacosa. 2,634,710, Apr. 14.
Propelling unit for pipe cleaners, Hydraulic. K. I. Robinson. 2,640,213, June 2.
Propenyl-guaethol and making same. S. P. Joffre. 2,663,741, Dec. 22.
Proportional control. G. W. Andrew. 2,634,414, Apr. 7.
Proportional, convection warming and circulating system. B. Cones. 2,638,834, May 19.
Proportional reset response fluid relay. D. P. Eckman. 2,633,858, Apr. 7.
Proportional sequence control for folders. R. G. McLagan. 2,659,598, Nov. 17.
Proportionally balancing garments. H. Booth. 2,624,943, Jan. 13.
Proportionate flow control by balanced magnetic force. R. H. Goddard. 2,624,360, Jan. 6.
Proportioning control system. A. Clarkson. 2,644,641, July 7.
Proportioning device. L. E. Harper. 2,626,728, Jan. 27.
Proportioning device. L. E. Harper. 2,626,787, Jan. 27.
Proportioning divider. M. T. Dierkes. 2,645,021, July 14.
Propulsion apparatus actuated by successive charges of detonating materials. R. H. Goddard. 2,633,699, Apr. 7.
Propulsion apparatus actuated by successive charges of detonating materials. R. H. Goddard. 2,651,171, Sept. 8.
Propulsion means for garden hose. W. D. Egly and C. W. Harris. 2,660,471, Nov. 24.
Propulsion mechanism. M. Gorski. 2,655,891, Oct. 20.
Propulsive thrust augmenter. R. C. McLeod and K. Watson. 2,644,298, July 7.
Propylurea-mercury compounds as diuretics. E. L. Foreman. 2,635,983, Apr. 21.
Prospecting. G. Herzog. 2,656,470–1, Oct. 20.
Prospecting with timed electric energy. W. M. Barret. 2,659,882, Nov. 17.
Prosthesis construction. W. Wisbrun. 2,640,200, June 2.
Prosthetic device sensory attachment. J. E. Conzelman, Jr., H. B. Ellis, and C. W. O'Brien. 2,656,545, Oct. 27.
Protected switch. H. W. Eckles. 2,662,143, Dec. 8.
Protecting butt flash welded articles from weld splatter. A. L. Lindow. 2,642,517, June 16.
Protecting color pictures exposed to high humidities against fading and staining. E. Seary and A. Salerno. 2,647,057, July 28.
Protecting device for circuit breakers. A. Viboud and A. Gras. 2,663,779, Dec. 22.
Protecting device for tubular conduits and the like. H. S. Bimpson. 2,646,818, July 28.
Protecting hood for implement drivers. O. T. Hainke and C. E. Lieurance. 2,627,217, Feb. 3.
Protecting lenses. A. H. Pfund. 2,642,367, June 16.
Protecting means for heated cylinders and their bearings. M. Donlak. 2,635,016, Apr. 14.
Protecting metal surfaces, composition therefor, and article resulting therefrom. C. A. M. Rex. 2,658,834, Nov. 10.
Protecting the exhaust valves in internal-combustion engines, Means for. G. Pielstick. 2,633,117, Mar. 31.
Protecting the walls of vessels containing fluent granular solids. R. E. Bland. 2,639,215, May 19.
Protecting type faces, Means for. J. P. Masaracchia and J. S. West. 2,635,885, Apr. 21.
Protection of alcoholic steroid hydroxyl groups. A. C. Ott and M. F. Murray. 2,637,728, May 5.
Protection of beaches from erosion. D. H. Hayden. 2,639,587, May 26.
Protection of cellulose against heat aging. H. M. Buckwalter. 2,650,891, Sept. 1.
Protection of materials and equipment sensitive to the action of water, moisture and mold growth, Methods of and means for the. L. A. M. Casati, J. L. Gonnard and J. E. G. Lahousse. 2,648,651, Aug. 11.

Protection of molybdenum against oxidation. J. W. Garrison and A. B. Lovett. 2,650,903, Sept. 1.
Protection of packages. G. V. B. Herford and T. A. Oxley. 2,630,911, Mar. 10.
Protection of refractories in a reaction system from high temperatures by blanketing gases. J. S. Cromeans. 2,664,402, Dec. 29.
Protection of rubber surfaces. S. D. Shinkle. 2,648,613, Aug. 11.
Protective apparatus for direct current transmission lines. F. Busemann. 2,651,017, Sept. 1.
Protective attachment for women's undergarment. E. M. Neumayer. 2,661,471, Dec. 8.
Protective bib for vehicles. W. R. Comber. 2,659,523, Nov. 17.
Protective book cover. A. Brody. 2,641,484, June 9.
Protective cover. L. T. Dixon. 2,648,932, Aug. 18.
Protective device. W. C. Anderson. 2,661,551, Dec. 8.
Protective device. R. Malcom, Jr. 2,659,888, Nov. 24.
Protective device. A. T. Stratton. 2,663,776, Dec. 22.
Protective device and electrical circuit. S. Mignocchi. 2,637,834, May 5.
Protective device and gas door lock for automobiles, Combined. P. E. Allen. 2,633,369, Mar. 31.
Protective device for magnetic recorders. L. E. Chick. 2,626,760, Jan. 27.
Protective device for the eyes. E. J. Lueders. 2,655,657, Oct. 20.
Protective device for transformers. G. M. Stein. 2,650,356, Aug. 25.
Protective device for typewriter attachments for making multiple copies. C. G. Rice. 2,636,589, Apr. 28.
Protective electric breakdown device. A. Longacre. 2,637,780, May 5.
Protective finish for metals. J. G. Ford. 2,636,257, Apr. 28.
Protective guide device for well instruments. C. P. Collins and C. A. Brokaw. 2,651,199, Sept. 8.
Protective outfit. L. Spandau. 2,632,163, Mar. 24.
Protective packer blowout preventer assembly. F. J. Schweitzer, Jr. 2,631,609, Mar. 17.
Protective preparation against mustard gas. J. N. Loehle. 2,625,500, Jan. 13.
Protective shield connection for skull guards. C. E. Bowers. 2,631,286, Mar. 17.
Protective shield for stove and like pipes. E. Janski. 2,629,370, Feb. 24.
Protective system. J. E. Miller. 2,633,229, Mar. 31.
Protective system for series capacitors. R. E. Marbury. 2,660,693, Nov. 24.
Protective treatment of iron. J. Fischer. 2,643,959, June 30.
Protector: *See*—
- Absorbent collar protector.
- Arm watch protector.
- Automobile brake shoe lining protector.
- Automobile door lock protector.
- Cap protector.
- Carcass protector.
- Casing protector.
- Check and script protector.
- Cigarette protector.
- Collar protector.
- Coupler pin protector.
- Diamond bit protector.
- Drill pipe protector.
- Electric circuit protector.
- Electrical overload protector.
- Exhaust rain protector.
- Face protector.
- Foot and/or footwear protector.
- Foot and shoe protector.
- Hairline protector.
- Hinged light bulb protector.
- Insulating splice protector.
- Lady's shoulder protector.
- Mouth protector.
- One-piece fabric foot protector.
- Pencil point protector.
- Pipe protector.
- Razor blade protector.
- Rearview window protector.
- Separator protector.
- Series capacitor protector.
- Sheet protector.
- Shoe protector.
- Sink dish protector.
- Switch point protector.
- Thread protector.
- Tire valve stem protector.
- Toe protector.
- Ventilated plant protector.
- Window protector.

Protector. K. J. D. Munday. 2,640,937, June 2.
Protector for a dispensing device for liquid products retained under pressure in a container. J. Henchert. 2,653,053, Sept. 22.
Protector for electric circuits. J. C. Lebens, Jr. 2,648,739, Aug. 11.
Protector for milk shake mixers. O. D. Sharp. 2,662,754, Dec. 15.
Protector for oil well equipment. R. L. Crain. 2,638,169, May 12.
Protector for trousers. A. Pagano. 2,637,916, May 12.
Protector skid for thermocouples. W. R. Guerry. 2,647,153, July 28.
Protector valve. B. MacDonald. 2,660,189, Nov. 24.
Protein-aromatic amine-aldehyde reaction products. G. C. Stoecker and H. L. Keil. 2,630,414, Mar. 3.
Protein emulsion coating composition. R. G. Smith and C. S. Vestling. 2,636,829, Apr. 28.
Proteinaceous soybean material using isopropanol, Preparation of. P. A. Belter, A. K. Smith, H. J. Deobald, P. A. Singer, and A. C. Beckel. 2,635,094, Apr. 14.
Protractor for matching aircraft propeller blades, Averaging. J. G. Baker. 2,638,680, May 19.
Protruding hemorrhoid supporter. F. I. Bell. 2,653,599, Sept. 29.
Providing a continuous supply of heat sterilized water, Method and apparatus for. P. J. Gaylor. 2,662,508, Dec. 15.
Providing a restricted passage in a fluid conduit, Means for. R. J. Ifield. 2,658,528, Nov. 10.
Providing from plane images the appearance of solid objects, Method and apparatus for. R. L. de Montebello. 2,647,336, Aug. 4.
Providing metallic articles with a protective work surface layer. G. Bécker and F. Steinberg. 2,653,210, Sept. 22.
Proximity meter. J. E. Fielden. 2,656,507, Oct. 20.
Pseudohybrid microwave device. W. D. Lewis. 2,649,576, Aug. 18.
Puckered fabric. R. S. Nogler and S. D. Menzies. 2,649,062, Aug. 18.
Puffing gun. F. B. Doyle. 2,627,221, Feb. 3.
Pull and brake arrangement for tricycles, Combination mother's. D. J. Durand. 2,645,505, July 14.
Pull-operated switch. G. B. Benander. 2,629,789, Feb. 24.
Puller: *See*—
- Broken axle puller.
- Calf puller.
- Car puller.
- Hanger shell puller.
- Pipe puller.
- Plant-root puller.
- Post puller.
- Rail puller.
- Rope puller.
- Shaft puller.
- Sleeve puller.
- Tube puller.
- Weed puller.

Pulling implement. L. Haubert. 2,639,890, May 26.
Pulling-over machine. E. L. Butler. 2,637,053, May 5.
Pulling pipe from a well, Method and means of. C. R. Owens. 2,661,063, Dec. 1.
Pulley. L. Eller. 2,632,333, Mar. 24.
Pulley. E. D. Meadows. 2,641,517, June 9.
Pulley. W. A. Williams. 2,657,584, Nov. 3.
Pulley and making same. O. Mitchell. 2,656,730, Oct. 27.
Pulley and manufacture thereof, Stamped metal. C. E. Wilken. 2,641,935, June 16.
Pulley assembly. G. J. Williams. 2,632,334, Mar. 24.
Pulley assembly, Rope locking. R. Sturdivant. 2,638,184, May 12.
Pulley assembly, Variable-speed. E. H. Schleif. 2,645,946, July 21.
Pulley bearing seal. C. Van Deventer, III. 2,625,447, Jan. 13.
Pulley, Belt. J. H. Duxbury. 2,631,461, Mar. 17.
Pulley block. K. Huvendick and H. Wilhelmi. 2,637,524, May 5.
Pulley drive, Nonslip. D. B. Keim. 2,647,409, Aug. 4.
Pulley, Driving. H. A. Schuricht. 2,630,348, Mar. 3.
Pulley for variable speed transmissions. E. Karig. 2,651,208, Sept. 8.
Pulley, Geared. J. Skovera. 2,631,474, Mar. 17.
Pulley mounting for sawing equipment of the bandsaw type. W. Krumbach. 2,664,118, Dec. 29.
Pulley package. W. P. Koch. 2,651,410, Sept. 8.
Pulley, Self-cleaning grooved rubber covered. W. C. Steinmetz. 2,628,709, Feb. 17.
Pulley structure. C. H. Hennings. 2,635,474, Apr. 21.
Pulley, V belt. V. Simonsen and P. Nielsen. 2,662,416, Dec. 15.
Pulp beater or disintegrator. R. J. Serpas. 2,663,228, Dec. 22.
Pulp shredding and treating machine. C. W. Morden. 2,654,294, Oct. 6.
Pulp storage tank current control. E. J. Gruen. 2,661,668, Dec. 8.
Pulp treating apparatus. K. A. Karlsson. 2,653,520, Sept. 29.
Pulp wad, Molded. W. H. Randall. 2,628,560, Feb. 17.
Pulpwood saw grinder. R. L. Tomlin. 2,656,738, Oct. 27.
Pulping and juicing machine, Vegetable and fruit. M. H. Kowan and A. W. Olsen. 2,634,776, Apr. 14.
Pulping process, Two-stage. A. R. Sloman. 2,639,987, May 26.
Pulsating-current motor. L. J. Hibbard. 2,653,286, Sept. 22.
Pulsating type tire gauge. E. O. Anderson. 2,661,760, Dec. 8.
Pulsation eliminator and gas cleaner. R. C. Baird. 2,659,450, Nov. 17.
Pulsator for milking machines. F. J. J. J. Henrard. 2,655,168, Oct. 13.
Pulsator, Pneumatic. K. G. Magni. 2,664,095, Dec. 29.
Pulsatory device for milking machines. H. P. Segebarth. 2,652,847, Sept. 22.
Pulse amplitude responsive selective system. E. A. Ericsson, E. W. Hullegård, and A. C. Jacobaeus. 2,644,932, July 7.
Pulse analyzer. M. J. Poole. 2,636,983, Apr. 28.
Pulse analyzer. A. M. Stone. 2,639,377, May 19.
Pulse code communication. F. Gray. 2,632,058, Mar. 17.
Pulse code modulation communication system. R. L. Carbrey. 2,636,159, Apr. 21.
Pulse-code modulation communication system. J. F. Schouten and F. de Jager. 2,662,113, Dec. 8.
Pulse code modulation demodulator. H. Feissel. 2,651,716, Sept. 8.
Pulse-code selective communication system. K. McIlwain. 2,664,561, Dec. 29.
Pulse communication system, Multichannel electrical. H. M. Veaux. 2,640,881, June 2.
Pulse control circuit. G. D. Forbes. 2,636,119, Apr. 21.

Pulse converting circuits. K. G. Huntley. 2,650,300, Aug. 25.
Pulse converting system. S. Frankel. 2,643,331, June 23.
Pulse counter. C. E. Hallmark. 2,641,694, June 9.
Pulse delay circuit. B. L. Havens. Re. 23,699, Aug. 18.
Pulse delay circuit. B. L. Havens. 2,624,839, Jan. 6.
Pulse demodulating system. E. Baum. 2,654,027, Sept. 29.
Pulse discriminating circuit. L. W. Alvarez. 2,626,352, Jan. 20.
Pulse distributor, including electric discharge devices. A. H. Reeves. 2,645,680, July 14.
Pulse echo range azimuth and elevation presentation. L. J. Haworth. 2,630,563, Mar. 3.
Pulse echo system with time sensitivity control. F. G. Patterson. 2,624,875, Jan. 6.
Pulse equalizer. B. Smaller. 2,636,118, Apr. 21.
Pulse flow fuel injection system for turbojet engines. R. M. Ammann. 2,629,225, Feb. 24.
Pulse forming circuit. S. J. Krulikoski, Jr., and D. T. Jarvis. 2,625,652, Jan. 13.
Pulse forming circuit. J. C. Reed, Jr. 2,632,847, Mar. 24.
Pulse generating and selecting apparatus. M. M. Levy. 2,654,028, Sept. 29.
Pulse generating apparatus. E. L. C. White. 2,647,946, Aug. 4.
Pulse generating circuit. W. S. Melville and G. R. Jackson. 2,652,502, Sept. 15.
Pulse generating circuit. G. P. Wachtell. 2,633,530, Mar. 31.
Pulse generating system, Square wave. G. C. Summers. 2,644,130, June 30.
Pulse generator. J. F. Clayton. 2,659,019, Nov. 10.
Pulse generator. W. S. Douglas. 2,644,094, June 30.
Pulse generator. P. E. Grandmont. 2,629,823, Feb. 24.
Pulse generator. R. A. Herring, Jr. 2,624,851, Jan. 6.
Pulse generator. C. E. Wiegand. 2,654,840, Oct. 6.
Pulse group generator. C. H. Hoeppner. 2,641,700, June 9.
Pulse jet convertible to ram jet propulsion means. F. A. Blum. 2,635,421, Apr. 21.
Pulse keying system. E. M. Buyer. 2,651,753, Sept. 8.
Pulse lengthening circuit. C. W. Johnstone and H. V. Hance. 2,653,237, Sept. 22.
Pulse modulation system. G. J. E. Goubau. 2,638,572, May 12.
Pulse modulation system. V. D. Landon. 2,659,866, Nov. 17.
Pulse modulation system for transmitting the change in the applied wave-form. J. F. Schouten, F. de Jager and J. A. Greefkes. 2,662,118, Dec. 8.
Pulse modulator, Electric. T. H. Flowers. 2,632,880, Mar. 24.
Pulse multiplex communication system. B. Trevor. 2,664,509, Dec. 29.
Pulse multiplex receiver. C. W. Hansell. 2,632,162, Mar. 17.
Pulse producing system network. J. R. Perkins, Jr., and S. R. Ames. 2,656,514, Oct. 20.
Pulse recording apparatus. J. P. Eckert, Jr., J. C. Sims, Jr., and H. F. Welsh. 2,625,607, Jan. 13.
Pulse rectifier circuit. E. P. Halpin. 2,659,007, Nov. 10.
Pulse regenerator. R. L. Carbrey, C. C. Cutler, and C. B. H. Feldman. 2,658,997, Nov. 10.
Pulse selection. R. Trachtenberg. 2,649,543, Aug. 18.
Pulse stretching prevention circuit. F. P. Zaffarano. 2,638,511, May 12.
Pulse time modulation system, Multiplex. P. F. M. Gloess and L. J. Libois. 2,641,699, June 9.
Pulse translation apparatus. F. Gray. 2,657,378, Oct. 27.
Pulse transmission, Double modulated. G. X. Potier. 2,662,116, Dec. 8.
Pulse width discriminator. E. Eberhard. 2,648,766, Aug. 11.
Pulse width discriminator. C. H. Hoeppner and C. H. Smith, Jr. 2,634,346, Apr. 7.
Pulse width measurement. R. C. Paine. 2,627,546, Feb. 3.
Pulsed radio remote-control system. E. Labin. 2,645,771, July 14.
Pulverizable and readily soluble brightening agents. F. Fleck. 2,654,713, Oct. 6.
Pulverized fuel burner. S. G. van Ramshorst. 2,652,011, Sept. 15.
Pulverizer and mixer. A. L. Hall. 2,652,983, Sept. 22.
Pulverizer for rotary type lawn mowers, Leaf. K. R. Clark. 2,663,984, Dec. 29.
Pulverizer, Multiple screen. G. F. Thomas. 2,661,159, Dec. 1.
Pulverizer, Soil. E. S. Grandrud. 2,635,403, Apr. 21.
Pulverizing apparatus, Centrifugal impact. R. P. Fisher and O. E. Walling. 2,634,915, Apr. 14.
Pulverizing apparatus with screened discharge, Moving-fluid-stream. R. P. Piperoux, D. B. Hertz, and W. P. Moeller. 2,628,786, Feb. 17.
Pulverulent alkyl cellulose coated upon a pulverulent carrier, Manufacture of a. M. Matter. 2,631,943, Mar. 17.
Pulverulent compositions and manufacture thereof, Stabilized. E. W. Tillotson. 2,639,992, May 26.
Pulverulent material classifying means. G. Niemitz. 2,638,217, May 12.
Pump: *See*—
- Adjustable variable displacement pump.
- Air pump.
- Automatic pump.
- Axial gap electric motor-driven pump.
- Balanced well pump.
- Ball piston pump.
- Barrel type injection pump.
- Brine pump.
- Carburetor acceleration pump.
- Centrifugal pump.
- Combination vacuum and compression pump.
- Compound pressure pump.
- Constant delivery pump.
- Constant pressure variable displacement pump.
- Counter-balance pump.
- Deep well pump.
- Diaphragm pump.
- Double-acting reciprocating pump.
- Dual production zone pump.
- Dual pump.
- Eccentric pump.
- Electromagnetic centrifugal pump.
- Electromagnetic fluid pump.
- Electromagnetic pump.
- Floating gear pump.
- Fluid-operated liquid pump.
- Fluid pump.
- Foot pump.
- Foot operated hydraulic pump.
- Fuel injection pump.
- Fuel pump.
- Gear pump.
- Glass-lined pump.
- Hand actuated dispenser pump.
- High-pressure pump.
- High vacuum diffusion pump.
- Hydraulic pump.
- Ink pump.
- Internal-combustion pump.
- Internally ported vane type pump.
- Jet pump.
- Liquid fuel pump.
- Liquid pump.
- Lubricant pump.
- Lubricator pump.
- Manifold high-pressure pump.
- Motor-driven rotary pump.
- Multiple pump.
- Multiple stage nonslip vacuum pump.
- Multistage centrifugal pump.
- Packless impeller pump.
- Portable ditch pump.
- Portable spray pump.
- Pressure loaded gear pump.
- Radial piston rotary pump.
- Railway journal lubricator pump.
- Reciprocating electromagnetic pump.
- Retrievable well pump.
- Reversible variable capacity fluid pump.
- Rotary aspirator pump.
- Rotary compress pump.
- Rotary fluid pump.
- Rotary hydraulic pump.
- Rotary impeller pump.
- Rotary piston air pump.
- Rotary positive displacement pump.
- Rotary pump.
- Rotary sliding vane pump.
- Rotary suction pump.
- Rotary vane pump.
- Sanitary pump.
- Screw pump.
- Selector pump.
- Self-lubricating pump.
- Self-priming centrifugal pump.
- Self-priming pump.
- Self-reversing rotary pump.
- Sidewall actuated tire pump.
- Sirup pump.
- Starter motor-driven hydraulic pump.
- Stripper pump.
- Submerged solenoid operated pump.
- Submersible pump.
- Submersible sump pump.
- Swash plate pump.
- Turbine driven pump.
- Turbine pump.
- Unidirectional, rotary variable delivery fluid pump.
- Vacuum operated pump.
- Vacuum pump.
- Vapor separating pump.
- Variable delivery pump.
- Variable stroke multipiston pump.
- Variable vacuum and pressure rotary pump.
- Variable volume rotary pump.
- Water pump.
- Well pump.
- Wobbling disk pump.

Pump. P. Arant. 2,657,640, Nov. 3.
Pump. D. H. Bierman and J. A. Jawett. 2,639,838, May 26.
Pump. L. H. Browne. 2,625,886, Jan. 20.
Pump. A. P. Bruce. 2,633,804, Apr. 7.
Pump. S. J. Budlane. 2,638,849, May 19.
Pump. A. J. and I. F. Fausek. 2,630,072, Mar. 3.
Pump. J. R. Frei. 2,636,667, Apr. 28.
Pump. K. Henrichsen. 2,649,741, Aug. 25.
Pump. H. W. Kaatz and H. F. Enyeart. 2,627,816, Feb. 10.
Pump. F. R. Ladd. 2,629,328, Feb. 24.
Pump. L. W. Lewis. 2,643,816, June 30.
Pump. J. J. Lyth. 2,651,997, Sept. 15.
Pump. F. J. MacKenzie. 2,639,084, May 19.
Pump. J. Mann. 2,627,812, Feb. 10.
Pump. D. Murphy. 2,655,869, Oct. 20.
Pump. E. S. Neal. 2,640,431, June 2.
Pump. H. W. Olsen. 2,654,322, Oct. 6.
Pump. H. C. Osborne. 2,655,108, Oct. 13.
Pump. V. Schleyer. 2,634,680, Apr. 14.
Pump. E. M. Smith. 2,633,083, Mar. 31.
Pump. T. R. Thoren, L. L. Aspelin, and J. F. Murray. 2,648,287, Aug. 11.
Pump. H. C. White. 2,629,326, Feb. 24.
Pump. H. H. Wolfe and E. W. Haas. 2,631,539, Mar. 17.
Pump actuating means for rotary duplicating machines. R. W. Quirk. 2,659,303, Nov. 17.
Pump actuating system for rail and flange lubricators. O. F. Magnus. 2,643,738, June 30.
Pump and air separator unit, Combined. A. L. Grise. 2,642,148, June 16.
Pump and booster gun, Farm bucket. T. A. Campbell. 2,655,287, Oct. 13.
Pump and compressor, Centrifugal. M. G. Schwarz. 2,656,096, Oct. 20.
Pump and compressor, Diaphragm. F. E. Surre. 2,662,478, Dec. 15.

Pump and control system, Fuel. T. R. Thoren. 2,657,635, Nov. 3.
Pump and double-acting motor hydraulic system, including control valve mechanism. J. C. Naylor and J. N. Fieldhouse. 2,654,998, Oct. 13.
Pump and motor assembly, Submerged. F. E. Smith. 2,624,286, Jan. 6.
Pump and motor, Hydraulic. E. H. Johnson. 2,638,848, May 19.
Pump and motor hydraulic drive having a substantially constant output speed, Rotary. W. Ferris. 2,630,681, Mar. 10.
Pump and motor hydraulic system and control therefor. J. W. Bridwell, M. M. Coker, and H. M. Williamson. 2,650,473, Sept. 1.
Pump and motor hydraulic system and control valve means therefor. R. Vestre. 2,655,000, Oct. 13.
Pump and motor hydraulic system, including reversing and automatic by-pass valve units. L. M. Chattler. 2,651,915, Sept. 15.
Pump and motor hydraulic transmission, Rotary. J. H. Dameron. 2,663,147, Dec. 22.
Pump and motor hydraulic transmission, Rotary. D. E. Dasher. 2,648,952, Aug. 18.
Pump and motor hydraulic transmission, Rotary. J. A. Gerhold. 2,645,085, July 14.
Pump and motor hydraulic transmission, Rotary. D. F. McGill. 2,658,343, Nov. 10.
Pump and motor hydraulic transmission, Rotary. K. I. Postel and J. P. Horvath. 2,662,375, Dec. 15.
Pump and motor hydraulic transmission, Rotary, C. M. Welch. 2,658,344, Nov. 10.
Pump and motor hydraulic transmission, Rotary. E. W. Woydt. 2,662,374, Dec. 15.
Pump and motor hydraulic transmission system, Rotary. C. Morey. 2,656,679, Oct. 27.
Pump and motor power system, Hydraulic. D. D. Wallace and W. F. Erickson. 2,626,503, Jan. 27.
Pump and motor transmission and gas pressure prime mover therefor, Hydraulic. C. H. Vlachos. 2,655,785, Oct. 20.
Pump and piston therefor. D. V. McConnohie. 2,627,233, Feb. 3.
Pump and stroke adjusting mechanism. H. J. Anderson. 2,634,683, Apr. 14.
Pump and turbine hydraulic coupling, Rotary. E. Halpern. 2,627,164, Feb. 3.
Pump and turbine hydraulic drive. J. Napoli. 2,655,001, Oct. 13.
Pump and turbine transmission, Reversible hydraulic. G. H. Carter. 2,645,086, July 14.
Pump and valve assembly. K. W. Kern, Jr. 2,634,679, Apr. 14.
Pump apparatus. D. Murphy. 2,628,745, Feb. 17.
Pump apparatus of the shoulder pack type, Portable. R. W. Austin. 2,656,958, Oct. 27.
Pump assemblage, Sanitary. V. F. Dale and G. Reed. 2,635,552, Apr. 21.
Pump assembly. F. E. Smith. 2,660,384, Nov. 24.
Pump assembly, Fluid. W. H. Tinker and H. C. Weber. 2,660,953, Dec. 1.
Pump assembly, Manually portable crankcase drain. A. J. Granberg. 2,635,550, Apr. 21.
Pump assembly, Rotary. J. B. Parsons. 2,650,544, Sept. 1.
Pump assembly, Well driller cleanout. A. S. Soberg and A. Christensen. 2,638,851, May 19.
Pump bearing seal for fire extinguishers. C. K. Huthsing. 2,657,950, Nov. 3.
Pump by-passing assemblage. V. F. Dale and G. W. Reed. 2,642,001, June 16.
Pump, compressor, motor and engine, Axial type reciprocating. J. M. Towler and F. H. Towler. 2,661,700, Dec. 8.
Pump construction. J. G. Baker, L. C. Tullis, and L. T. Watry. 2,657,633, Nov. 3.
Pump control. H. F. Enyeart and H. W. Knatz. 2,635,546, Apr. 21.
Pump control, Fluid operated. C. J. Coberly. 2,638,115, May 12.
Pump control for carburetors, Accelerating. H. A. Boller. 2,658,733, Nov. 10.
Pump device. R. F. Smith. 2,634,687, Apr. 14.
Pump diaphragm. L. Wallerstein, Jr. 2,633,155, Mar. 31.
Pump drive. M. W. Guyer. 2,648,986, Aug. 18.
Pump drive mechanism. S. C. Carter. 2,636,391, Apr. 28.
Pump drive, Rotary reciprocating. E. D. Taylor. 2,640,362, June 2.
Pump duster, Manually operated. W. D. Merrill. 2,658,301, Nov. 10
Pump fluid flow system, Jet. T C. Noon and R. J. Anderson. 2,660,232, Nov. 24.
Pump for dispensing fluid substances from containers. T. A. Hinz. 2,630,248, Mar. 3.
Pump for drilled wells, Fluid operated reciprocating. W. C. Richardson. 2,628,565, Feb 17.
Pump for feeding molten metal. A. L. Gagne. 2,662,256, Dec. 15.
Pump for flashable liquids, Combined type series. L. R. Cartier. 2,630,757, Mar. 10.
Pump for food materials, Reciprocating. R. A. Yohpe. 2,655,870, Oct. 20.
Pump for hand vacuum cleaner for connection with air pressure hose, with suction produced by aspirating action, Jet. R. W. Brown. 2,634,902, Apr. 14.
Pump for internal-combustion engines, Circulating water. G. N. Little. 2,631,575, Mar. 17.
Pump for internal-combustion engines, Fuel. J. B. Malin. 2,640,422, June 2.
Pump for internal-combustion engines, Liquid fuel injection. F. M. Evans and W. E. W. Nicolls. 2,640,419, June 2.
Pump for internal-combustion engines, Liquid fuel injection, A. Muraszew. 2,640,420, June 2.
Pump for internal-combustion engines, Liquid fuel injection. W. E. W. Nicolls. 2,638,053, May 12.
Pump for jet propulsive apparatus, Jet. C. C. Whims. 2,651,452, Sept. 8.
Pump for liquids, High-pressure radial piston. G. Pauget. 2,650,543, Sept. 1.
Pump for oil wells, Double-acting pressure fluid lift. L. Davis. 2,630,071, Mar. 3.
Pump for power transmissions, Dual rotary. D. B. Gardiner. 2,642,802, June 23.
Pump for raising liquids, Electromagnetically operated. F. and J. F. Alvarez. 2,634,684, Apr. 14.
Pump for type casting. J. R. Ross. 2,625,720, Jan. 20.
Pump for vertical movement of liquids. O. and W. D. Haentjens. 2,625,110, Jan. 13.
Pump governor, Fire engine. R. C. Nepper. 2,642,805, June 23.
Pump head, Fluid end. B. F. Waldron. 2,650,868, Sept. 1.
Pump impeller, Bladeless. F. I. Lindau and R. C. Glazebrook. 2,655,868, Oct. 20.
Pump leak-off system, Feed. S. P. Johnson. 2,648,285, Aug. 11.
Pump motor controller. D. R. Nahmens. 2,651,906, Sept. 15.
Pump mounting and drive. W. P. Schmitter. 2,634,686, Apr. 14.
Pump operating levers and operating springs therefor, Fuel and vacuum. M. Katcher. 2,653,544, Sept. 29.
Pump or motor. R. Hadekel. 2,639,673, May 26.
Pump or motor, Hydraulic. R. L. Eller. 2,662,484, Dec. 15.
Pump or motor, Rotary. W. J. Carey. 2,633,803, Apr. 7.
Pump or motor, Rotary. F. M. Weyer. 2,649,052, Aug. 18.
Pump or motor, Rotary. A. White. 2,655,112, Oct. 13.
Pump or motor, Screw. M. B. Sennet. 2,640,430, June 2.
Pump or motor, Turbine. C. O. Weisenbach and J. J. O'Blenis. 2,662,479, Dec. 15.
Pump priming. C. A. Bierlein. 2,655,139, Oct. 13.
Pump structure, Circulator. W. R. Ray. 2,646,001, July 21.
Pump unit and cooling means, Motor. E. A. G. Hill and N. K. Lovatt. 2,661,146, Dec. 1.
Pump unit for liquid dispensing apparatus, Self-priming centrifugal. B. Wagner. 2,639,671, May 26.
Pump unloading means for pressure-atomizing oil burners, Time-controlled fuel. J. A. Logan and E. V. Lavallee. 2,661,795, Dec. 8.
Pump unloading valve. W. D. Teague, Jr. 2,639,722, May 26.
Pump with automatically varying output and pressure. J. G. Roustan. 2,636,438, Apr. 28.
Pump with by-pass flow, Hydraulic. M. W. Huber. 2,664,048, Dec. 29.
Pump with center intake, Centrifugal. R. J. Murphy and E. H. Smith. 2,643,615, June 30.
Pump with double-acting direct-connected booster pump, Fluid-operated. C. J. Coberly. 2,628,563, Feb. 17.
Pump with dual discharge means, Variable capacity. W. H. De Lancey and E. E. Vincent. 2,651,994, Sept. 15.
Pump with expanding liquid spiral, Vacuum. H. G. Schaefer and P. Baumeister. 2,633,290, Mar. 31.
Pump with infinitely variable output, Sanitary. G. R. Funk. 2,636,440, Apr. 28.
Pump with inlet strainer. W. F. Slater. 2,646,752, July 28.
Pump with movable cylinder, Reciprocating. S. L. Stone. 2,641,197, June 9.
Pump with noise suppressing means, Impeller. J. M. Andrews. 2,632,394, Mar. 24.
Pump with outlet valve having material cutting means, Reciprocating. E. W. Davis. 2,627,818, Feb. 10.
Pump with packing device, Fluid-operated free. R. F. McArthur. 2,652,779, Sept. 22.
Pump with pneumatic shock absorber, Fluid-operated. C. J. Coberly. 2,664,049, Dec. 29.
Pump with pressure loaded bushing and wear insert element, Gear type. R. J. Minshall. 2,654,325, Oct. 6.
Pump with sealing device, Centrifugal. E. Malmvik and E. Dunér. 2,663,262, Dec. 22.
Pump with separable impeller casing, Centrifugal. W. E. Rupp. 2,635,549, Apr. 21.
Pump with tandem booster pumps, Fluid-operated. C. J. Coberly. 2,628,562, Feb. 17
Pumping apparatus. F. R. Forrest. 2,626,086 Jan. 20.
Pumping apparatus. C. A. Lowe. 2,645,184, July 14.
Pumping apparatus. K. R. Lung. 2,657,641, Nov. 3.
Pumping apparatus. W. H. Tinker. 2,632,392–3, Mar. 24.
Pumping apparatus and pumping fluids. W. E. Rupp. 2,652,181, Sept. 15.

Pumping apparatus, Proportional. V. J. Gilmore. 2,627,813, Feb. 10.
Pumping apparatus, Well. E. W. Mong. 2,632,401, Mar. 24.
Pumping assembly. R. A. Smith. 2,652,231, Sept. 15.
Pumping device. J. W. Houston. 2,641,283, June 9.
Pumping device for pumping fluids, Electromagnetic. A. Ryba. 2,630,760, Mar. 10.
Pumping device for pumping fluids, Electromagnetic. A. Ryba. 2,654,324, Oct. 6.
Pumping device for pumping fluids, Electromagnetic. A. Ryba. 2,659,310, Nov. 17
Pumping device, Nonclogging. M. E. Walters. 2,658,453, Nov. 10.
Pumping equipment. A. P. Ruth. 2,633,081, Mar. 31.
Pumping equipment, Fluid lift. D. A. MacDonald. 2,650,574, Sept. 1.
Pumping equipment, Oil well. W. H. Dye. 2,634,682, Apr. 14.
Pumping equipment, Pneumatic. J. Williamson, Jr. 2,656,794, Oct. 27.
Pumping head and operating mechanism for wells. J. F. Joy. 2,651,914, Sept. 15.
Pumping jack oil makeup and pressure control. F. H. Rued. 2,654,221, Oct. 6.
Pumping liquefied gases containing nitrogen. F. E. Pavlis. 2,661,608, Dec. 8.
Pumping liquefied gases, Method of and apparatus for. C. R. Anderson. 2,663,166, Dec. 22.
Pumping mechanism. J. E. Davis and A. Sandhofer. 2,625,882, Jan. 20.
Pumping mechanism. S. Haugdahl. 2,633,805, Apr. 7.
Pumping method, apparatus, and techniques, High vacuum. E. A. Hertzler. 2,636,664, Apr. 28.
Pumping system analogue. F. W. Bubb. 2,661,898, Dec. 8.
Pumping system and by-pass valve therefor, Hydraulic. C. J. Coberly. 2,664,102, Dec. 29.
Pumping unit, Hydropneumatic. T. D. Aller and P. E. Noll. 2,645,899, July 21.
Pumping unit, Motor-driven dual. F. A. Rosenkrans. 2,643,614, June 30.
Pumping volatile liquids, Method and apparatus for. C. J. Schilling. 2,657,541, Nov. 3.
Punchboard chance counting punch means. G. Anderson. 2,661,156, Dec. 1.
Punch for cans. A. S. Haislip. 2,632,241, Mar. 24.
Punch for rimless cans. F. O. Brooks. 2,637,100, May 5.
Punch press. H. E. Magnuson and W. J. Moren. 2,647,552, Aug. 4.
Punch press for notching. O. V. Dutro and J. F. Nameth. 2,647,579, Aug. 4.
Punch press gauge actuator. E. Girardello. 2,629,443, Feb. 24.
Punch-removing device. A. Bolduc. 2,629,274, Feb. 24.
Punch with slug extracting means. F. M. Arbuckle. 2,643,721, June 30.
Punched fin elements for heat exchangers. W. E. Hammond and P. H. Karlsson. 2,632,633, Mar. 24.
Punching apparatus. C. Rozanek. 2,633,890, Apr. 7.
Punching apparatus for sheet or strip material. R. H. E. Schlecht. 2,664,161, Dec. 29.
Punching bag apparatus. C. F. Glasser. 2,659,603, Nov. 17.
Punching bag mount, Convertible. H. Rubin. 2,642,287, June 16.
Punching machine, Portable. C. E. Emmer. 2,638,986, May 19.
Punching machine, Record card. E. W. Gardinor and A. B. Crowell. 2,647,581, Aug. 4.
Punching method and tool. E. W. Brinkman. 2,661,663, Dec. 8.
Puncture indicating closure for multiple dose vials. M. R. Fields. 2,629,379, Feb. 24.
Puncturepoof steel inner tube. J. E. Hatula. 2,633,887, Apr. 7.
Puncturing device, Can. H. Geipel. 2,631,365, Mar. 17.
Puppet. R. Tipman. 2,626,480, Jan. 27.
Puppet, Hand. C. Steuber. 2,633,670, Apr. 7.
Puppet, Jumping. G. Weiss. 2,627,700, Feb. 10.
Pure barium and strontium hydroxides, Preparing. M. J. Rentschler. 2,651,563, Sept. 8.
Pure bromo-α-amino anthraquinones, preparation of. G. R. Genta. 2,650,928, Sept. 1.
Pure cadmium red pigment, Preparing. B. W. Allan and F. O. Rummery. 2,643,196, June 23.
Pure copper metal from copper-bearing scrap, Preparation of. L. N. Allen, Jr., P. J. McGauley, and E. S. Roberts. 2,647,830, Aug. 4.
Pure copper metal from copper-bearing scrap, Preparation of. L. N. Allen, Jr., P. J. McGauley, and E. S. Roberts. 2,647,832, Aug. 4.
Pure copper metal from nonferrous metal-bearing scrap, Preparation of. L. N. Allen, Jr., P. J. McGauley, and E. S. Roberts. 2,647,831, Aug. 4.
Purification and hydrolysis of esters of folic acid. J. W. Greiner, A. R. Hanze, R. V. Kline, J. L. Richmond, and K. R. Bedell. 2,630,434, Mar. 3.
Purification and separation of gas mixtures. H. Kahle. 2,661,808, Dec. 8.
Purification of acrylonitrile. K. M. Taylor and H. M. Walker. 2,653,966, Sept. 29.
Purification of acyl p-aminophenols with isopropyl alcohol. D. L. Cottle and D. W. Young. 2,625,557, Jan. 13.
Purification of alcohols by azeotropic distillation. B. Traeger and W. Rottig. 2,663,682, Dec. 22.
Purification of alcohols containing oxidizable impurities. D. K. Barnes. 2,631,970, Mar. 17.
Purification of alkali metal halides. J. O. Hay. 2,640,755, June 2.
Purification of α-chloroacrylic acid esters. W. O. Ney, Jr. 2,647,922, Aug. 4.
Purification of amyl alcohols. T. Q. Eliot. 2,635,072, Apr. 14.
Purification of antibiotics. W. A. Lott, J. Bernstein, and L. J. Heuser. 2,664,419–20, Dec. 29.
Purification of antibiotics with water insoluble carboxylic acids. W. A. Lott, W. Braker, and A. E. O'Keeffe. 2,644,816, July 7.
Purification of antibiotics with water soluble salts of water insoluble carboxylic acids. W. Braker, W. A. Lott, and A. E. O'Keeffe. 2,631,143, Mar. 10.
Purification of aromatic hydrocarbons. F. P. Hazlett. 2,639,304, May 19.
Purification of butanediol. F. Grosser. 2,629,686, Feb. 24.
Purification of calcium chloride. J. F. Ross and H. W. Sloyer. 2,636,807, Apr. 28.
Purification of chemical compounds. L. P. Ellinger. 2,641,616, June 9.
Purification of chlorocyclohexanes. G. Scheuing and C. Vogelbach. 2,653,174, Sept. 22.
Purification of crude acetone. G. G. Joris. 2,624,699, Jan. 6.
Purification of crude aliphatic alcohols. W. M. Drout, Jr., C. S. Carlson, H. W. Scheeline, and P. V. Smith, Jr. 2,638,440, May 12.
Purification of cuprous oxide. J. W. Ayers. 2,626,854, Jan. 27.
Purification of cyclohexane. J. G. Aston and R. E. Black. 2,637,749, May 5.
Purification of cyclonite. W. E. Bachmann. 2,656,355, Oct. 20.
Purification of desoxycholic acid. R. H. Sifferd and J. J. Svarz. 2,651,643, Sept. 8.
Purification of dimethyl terephthalate by distillation. J. E. Hughes, H. S. Kemp, and C. Pyle. 2,646,393, July 21.
Purification of glyceride oils. B. Clayton. Re. 23,680, July 7.
Purification of ketones by distillation. W. M. Drout, Jr. 2,647,861, Aug. 4.
Purification of liquids, Method and apparatus for the. N. S. Prime. 2,660,559, Nov. 24.
Purification of magnesia. G. M. Armstrong and H. A. Cook. 2,631,923, Mar. 17.
Purification of melamine. J. W. Haworth and M. G. Cooper. 2,647,119, July 28.
Purification of mercaptothiazoles. R. H. Ebel. 2,658,864, Nov. 10.
Purification of naphthalene. B. F. Tatterson. 2,626,236, Jan. 20.
Purification of ortho-hydroxybenzamide. P. Rambacher and J. Miksch. 2,636,900, Apr. 28.
Purification of ortho-methoxyphenylacetone. R. V. Heinzelmann. 2,643,268, June 23.
Purification of oxo alcohols by controlled water treatment. G. P. Hamner and T. G. Jones. 2,636,847, Apr. 28.
Purification of para-aminosalicylic acid and its alkali metal salts. M. A. Terpstra. 2,658,073, Nov. 3.
Purification of perchloromethyl mercaptan. J. Kamlet. 2,664,442, Dec. 29.
Purification of sodium alcoholates. E. F. Hill. 2,662,100, Dec. 8.
Purification of spent sulfuric acid. S. P. Robinson. 2,643,938, June 30.
Purification of straight-chain monohydric alcohols. R. A. Dinerstein. 2,663,703, Dec. 22.
Purification of streptomycin. H. Sokol and R. P. Popino. 2,653,151, Sept. 22.
Purification of substituted aromatic compounds. W. B. Whitney. 2,640,804, June 2.
Purification of sulfonated alkenyl aromatic resins. H. H. Roth and H. B. Smith. 2,663,700, Dec. 22.
Purification of synthetic folic acid. A. R. Hanze. 2,662,081, Dec. 8.
Purification of 3,12-dihydroxy-7 keto-cholanic acid. B. Gauthier. 2,636,041, Apr. 21.
Purification of tyrosine. B. B. Dowling. 2,661,371, Dec. 1.
Purification of urea. W. Michelitsch. 2,663,731, Dec. 22.
Purification of water. H. L. Schein. 2,661,333, Dec. 1.
Purification of water by ion exchange. W. Juda. 2,660,558, Nov. 24.
Purification of water-soluble reaction products of a rosin and an alkylene oxide. J. B. Batdorf. 2,662,881, Dec. 15.
Purification process. D. A. High. 2,661,265, Dec. 1.
Purified brine, Making. A. Hirsch. 2,624,654, Jan. 6.
Purifying alcoholic liquor. J. B. Renier. 2,653,092, Sept. 22.
Purifying alkylated aryl sulfonate detergents. J. A. Nevison. 2,655,530, Oct. 13.
Purifying and concentrating hevea rubber latex. E. M. Glymph. 2,626,969, Jan. 27.
Purifying carbonaceous material. N. W. F. Phillips, E. A. Hollingshead, and J. S. Mutchmor. 2,657,118, Oct. 27.

Purifying dehydrocholic acid. P. Poulenc, B. Gauthier, and G. M. E. Aloys. 2,662,088, Dec. 8.
Purifying folic acid. H. Lindlar. 2,634,271, Apr. 7.
Purifying insulin by seeding with unclumped fibrils of insulin. D. F. Waugh. 2,648,622, Aug. 11.
Purifying phosphate rock containing iron impurities. L. E. Dupont, J. R. Archer, and W. F. Carter. 2,629,650, Feb. 24.
Purifying phthalic anhydride. M. E. Bailey. 2,662,901, Dec. 15.
Purifying silica-alumina gel of manganese. G. M. Webb. 2,634,241, Apr. 7.
Purifying synthetic resins. C. F. Van Gilder. 2,636,016, Apr. 21.
Purifying wood pulp. S. C. Bate. 2,645,576, July 14.
Purifying wood pulp. S. C. Bate, F. G. Peach, and W. A. Rogerson. 2,645,577, July 14.
Purse with attached loss-preventing device. E. C. Henderson. 2,652,090, Sept. 15.
Push button. H. W. Batcheller. 2,652,470, Sept. 15.
Push-button combination lock. M. Klein. 2,628,490, Feb. 17.
Push button construction. H. Young. 2,639,932, May 26.
Push-button electric switch. E. F. Mekelburg. 2,631,203, Mar. 10.
Push-button latch. J. Chapeta and F. Vigna. 2,636,763, Apr. 28.
Push-button latch. R. W. Landon. 2,648,561, Aug. 11.
Push-button structure. E. H. Allen. 2,659,236, Nov. 17.
Push-button switch. H. W. Batcheller. 2,634,340, Apr. 7.
Push-button turn signal switch. C. H. Hoklas. 2,657,286, Oct. 27.
Push chair. D. Sebel. 2,649,310, Aug. 18.
Push key operated hasp lock. B. Polák. 2,648,966, Aug. 18.
Push-out window structure. F. E. Donathan. 2,660,274, Nov. 24.
Push-pull control unit. A. Oliner and W. F. Zimmermann. 2,631,469, Mar. 17.
Push-pull control valve. N. C. Williams and R. W. Fishwood. 2,638,108, May 12.
Push rod housing structure. R. J. Powell. 2,657,679, Nov. 3.
Pusher attachment for presses. E. A. Burns. 2,653,661, Sept. 29.
Pusher for ice and snow. D. R. Dory. 2,639,454, May 26.
Puzzle. C. Belsky. 2,655,382, Oct. 13.
Puzzle and carrier device. I. H. Steinhardt. 2,651,522, Sept. 8.
Puzzle, Educational. S. M. Ford. 2,647,330, Aug. 4.
Puzzle, Mechanical. S. Reynolds and U. F. Grant. 2,639,923, May 26.
Puzzle, Three-dimensional take-apart. I. H. Steinhardt. 2,625,399, Jan. 13.
Pylon. J. R. Hamilton. 2,650,827, Sept. 1.
Pyran derivatives. F. Kögl and C. A. Salemink. 2,653,945, Sept. 29.
Pyran derivatives and the manufacture thereof. F. Kögl and C. A. Salemink. 2,653,943, Sept. 29.
Pyrazine derivatives and preparing the same. H. P. Dalallan and S. Kushner. 2,646,431, July 21.
Pyrazole compound. R. G. Jones. 2,655,508, Oct. 13.
Pyrazole compounds. R. G. Jones. 2,655,506–7, Oct. 13.
Pyrazoline resins. T. Boyd and H. A. Walter. 2,631,991, Mar. 17.
Pyrazoline sulphonic acids. J. D. Kendall and G. F. Duffin. 2,640,056, May 26.
Pyrazolone couplers for color photography. G. W. Sawdey. 2,632,702, Mar. 24.
Pyrazolone monoazo dyestuffs. W. Kuster. 2,659,720, Nov. 17.
Pyrazolone monoazo dyestuffs. H.-F. Piepenbrink and O. Bayer. 2,634,262, Apr. 7.
Pyrazolones, Manufacture of. M. Schmid and E. Moser. 2,637,732, May 5.
Pyridindoles and manufacture. R. Duschinsky. 2,642,438, June 16.
Pyridine alcohols from pyridine N-oxides, Preparation of. O. H. Bullitt, Jr. 2,663,711, Dec. 22.
Pyridinium salts, Substituted. L. C. Cheney. 2,632,761, Mar. 24.
Pyrimidine derivatives. W. R. Boon and T. Leigh. 2,628,229, Feb. 10.
Pyrolysis of diacyl cyanides. A. E. Ardis. 2,663,726, Dec. 22.
Pyrolysis of diacyl cyanides. L. F. Reuter and R. D. Smith. 2,663,725, Dec. 22.
Pyrolysis of difluoromonochloroethane. C. F. Feasley and W. A. Stover. 2,627,529, Feb. 3.
Pyrolysis of trifluorochloroethylene polymers. W. T. Miller. 2,664,449, Dec. 29.
Pyrolytic conversion of hydrocarbons with the aid of a fluid catalyst. H. I. Ringgenberg. 2,628,932, Feb. 17.
Pyronone derivatives and the manufacture thereof. F. Kögl and C. A. Salemink. 2,653,944, Sept. 29.
Pyrotechnic device. H. C. Clauser and R. S. Long. 2,643,610, June 30.
Pyrrolidine analgesic. C. von Seemann and G. A. Grant. 2,654,764, Oct. 6.
Pyrrolinones, Production of. R. N. Lacey. 2,660,583, Nov. 24.
Q meter. J. Rosenbaum. 2,654,066, Sept. 29.
Quantized pulse transmission with few amplitude steps. J. O. Edson. 2,625,604, Jan. 13.
Quartz fiber dosimeter. O. G. Landsverk. 2,648,777, Aug. 11.
Quartz-to-metal seal. L. R. Peters. 2,630,471, Mar. 3.
Quartz-to-metal seal. L. R. Peters. 2,664,180, Dec. 29.
Quartz-to-metal seals, Making. E. B. Power and E. H. Nelson. 2,659,964, Nov. 24.
Quaternarizing polymers of N,N di-methyl-p-aminostyrene. E. L. Kropa. 2,663,702, Dec. 22.
Quaternary ammonium alkoxides, Preparation of insoluble. J. C. H. Hwa. 2,630,428, Mar. 3.
Quaternary ammonium compounds and producing the same. M. K. Deutsch and H. W. Stobbe. 2,653,156, Sept. 22.
Quaternary ammonium compounds and their manufacture. H. Gysin and R. E. Hagenbach. 2,644,003, June 30.
Quaternary ammonium ethyl thiocarbamates. J. Weijlard and M. Tishler. 2,642,428, June 16.
Quaternary ammonium naphthenate and making the same. A. M. Erskine. 2,645,593, July 14.
Quaternary ammonium salts derived from heterocyclylalkyl esters of tropic acid. R. A. Robinson. 2,648,666, Aug. 11.
Quaternary ammonium salts of dialkyl aminoalkyl xanthene-9-carboxylates and the production thereof. J. W. Cusic and R. A. Robinson. 2,659,732, Nov. 17.
Quaternary ammonium salts of diisopropylaminoalkyl esters of diphenylacetic acid. R. A. Robinson. 2,648,699, Aug. 11.
Quaternary ammonium salts of 4-substituted-2-(tertiary-aminoalkoxy)benzonitriles and their preparation. R. O. Clinton and S. C. Laskowski. 2,642,437, June 16.
Quaternary ammonium salts of heterocyclylalkanol esters of xanthene-9-carboxylic acid. J. W. Cusic and R. A. Robinson. 2,659,725, Nov. 17.
Quaternary ammonium salts of lower alkyl 4-substituted-2-(tertiary-aminoalkoxy)benzoates and their preparation. R. O. Clinton and S. C. Laskowski. 2,642,434, June 16.
Quaternary ammonium salts of tertiary-aminoalkyl 4-substituted-2-(tertiary-aminoalkoxy)benzoates and their preparation. R. O. Clinton and S. C. Laskowski. 2,642,435, June 16.
Quaternary compounds derived from chloromethylated arylaminobenzanthrones. D. I. Randall and E. E. Renfrew. 2,642,443, June 16.
Quaternary nicotinic acid amide derivatives and production thereof. H. Suter, F. Stocker, and H. Zutter. 2,660,582, Nov. 24.
Quaternary salt dyes derived from 2-tertiaryamino-5(4)-thiazolones. E. B. Knott and L. A. Williams. 2,656,352, Oct. 20.
Quaternary salts. D. T. Mowry and E. L. Ringwald. 2,653,166, Sept. 22.
Quaternary salts of γ-stilbazolines. A. P. Phillips and J. C. Castillo. 2,655,503, Oct. 13.
Quaternated aza-pentane amines. K. Miescher and A. Marxer. 2,654,785, Oct. 6.
Queen and drone trap. C. H. Pease. 2,644,175, July 7.
Quench block. J. Harasty. 2,638,337, May 12.
Quenching apparatus. Q. M. Bloom. 2,625,944, Jan. 20.
Quenching apparatus. J. W. Garrett. 2,657,698, Nov. 3.
Quenching device. H. W. Secor. 2,625,945, Jan. 20.
Quick-acting C clamp. J. C. Golnick. 2,636,528, Apr. 28.
Quick-acting hold-down clamp. W. J. Sobaski. 2,658,540, Nov. 10.
Quick-acting race control gate. E. M. Smith, C. E. Whittaker, and J. S. Goodwin. 2,633,825, Apr. 7.
Quick-adjusting toggle wrench. H. T. Jones. 2,661,648, Dec. 8.
Quick-change barrel. C. E. Simpson. 2,625,766, Jan. 20.
Quick closing valve. G. W. Perry. 2,638,918, May 19.
Quick coupling. F. T. Wurmser. 2,631,872, Mar. 17.
Quick-freeze method and apparatus. R. M. Magnuson. 2,625,805, Jan. 20.
Quick-freezing foodstuffs. B. E. Bailey. 2,640,333, June 2.
Quick opening bag. H. L. Bartelt. 2,643,049, June 23.
Quick-opening valve. B. C. Christensen. 2,644,486, July 7.
Quick-release fastener. F. B. Harley. 2,635,317, Apr. 21.
Quick-release overhead trolley conveyer hook. H. J. McCormick. 2,644,407, July 7.
Quick-release screw clamp. J. Browne. 2,634,475, Apr. 14.
Quick-release tie rack. S. Edelheit. 2,633,995, Apr. 7.
Quick sealing automatic sealing gate valve. A. S. Volpin. 2,660,397, Nov. 24.
Quickly attachable or removable surface clamp. H. E. Caston. 2,661,783, Dec. 8.
Quickly-demountable chain. W. Beveridge. 2,638,009, May 12.
Quickly operable conduit clamp. J. W. Hamilton. 2,643,139, June 23.
Quiet snap switch. V. R. Despard. 2,648,731, Aug. 11.
Quinazolone compounds and making the same. B. R. Baker and M. V. Querry. 2,651,633, Sept. 8.
Quinine-penicillin, Production of. T. J. Macek. 2,650,217, Aug. 25.
Quinoline dyes of the polymethine series and preparation. L. G. S. Brooker and D. W. Heseltine. 2,646,430, July 21.
Quinone, Manufacture of. L. G. Davy. 2,624,747, Jan. 6.
Quin-top. R. Neilson. 2,633,664, Apr. 7.

Racing apparatus. W. C. Ford. 2,643,885, June 30.
Racing game, Linear motor. E. Maggi. 2,638,347, May 12.
Racing game, Pin ball-controlled. D. R. Wiser, T. C. Bartlam, and B. R. Burke. 2,624,581, Jan. 6.
Racing game scorekeeping device. L. A. and W. E. Bach. 2,629,602, Feb. 24.
Rack: *See*—
Adjustable oven or broiler rack.
Adjustable peg rack.
Adjustable rack.
Anodizing rack.
Apparel rack.
Automatic fishing pole rack.
Baggage rack.
Belt display rack.
Bicycle rack.
Bowling ball rack.
Child's garment rack.
Clothes drying rack.
Clothes rack.
Collapsible display rack.
Collapsible rack.
Combination storage and dispensing rack.
Commodity display rack.
Dish draining and drying rack.
Dish rack.
Display rack.
Drying rack.
Electroplating rack.
Extensible rack.
Film hanger rack.
Fire hose rack.
Foldable necktie rack.
Foldable tie rack.
Folding display rack.
Folding rack.
Folding trailer drum rack.
Garbage can rack.
Laundry ironer rack.
Lid rack.
Multiple tie rack.
Necktie rack.
Peanut stacking rack.
Phonograph record rack.
Pocketed display rack.
Portable clothes - drying rack.
Portable hod rack.
Portable rack.
Quick-release tie rack.
Receptacle rack.
Roasting rack.
Rug sample display rack.
Sash rack.
Secondary rack.
Semiportable pipe storage rack.
Spool rack.
Storage rack.
Tie rack.
Timecard rack.
Tire rack.
Toast rack.
Tool rack.
Towel lock rack.
Towel rack.
Utility rack.
Vial rack.
Walking rack.
Rack. A. L. Feldman. 2,632,569, Mar. 24.
Rack and cabinet, Oil can display. F. D. Wright. 2,654,508, Oct. 6.
Rack and container, Clothespin. J. J. Spissell. 2,635,028, Apr. 14.
Rack and holder for mortar hods, Supporting. I. E. Boyd, Sr. 2,642,998, June 23.
Rack and pinion device. R. E. Deveson. 2,631,466, Mar. 17.
Rack and rack support assembly. H. H. Ring. 2,633,400, Mar. 31.
Rack and screen, Convertible clothes. E. Schwarz. 2,627,980, Feb. 10.
Rack attachment for bathtubs. P. R. Williams. 2,659,491, Nov. 17.
Rack attachment for folding tables. R. J. Shanahan. 2,640,749, June 2.
Rack attachment for shelves. E. E. Tapley. 2,639,040, May 19.
Rack clip for displaying bags of potato chips and the like. J. T. Makar. 2,630,923, Mar. 10.
Rack for automobiles, Boat. J. J. Svoboda. 2,654,515, Oct. 6.
Rack for beams. M. A. Richtmyer. 2,632,567, Mar. 24.
Rack for bottled goods, Display. L. W. Patterson. 2,637,445, May 5.
Rack for dishwashers. W. R. Walker. 2,638,910, May 19.
Rack for displaying articles of merchandise. H. J. Rubenstein. 2,643,776, June 30.
Rack for doors, Garment hanger. H. Derman. 2,633,998, Apr. 7.
Rack for drinking glasses. C. Bustamante. 2,664,207, Dec. 29.
Rack for holding a stack of printed sheets. G. F. Rooney, Jr. 2,633,357, Mar. 31.
Rack for holding slides. C. E. Morgan. 2,636,614, Apr. 28.
Rack for ice cubes and other trays. D. H. Bitney. 2,627,981, Feb. 10.
Rack for phonograph records and the like, Display. F. H. Rice. 2,649,968, Aug. 25.
Rack for refrigerator car floors and similar purposes. A. G. Dean. 2,661,705, Dec. 8.
Rack for tie bags. D. M. Christie. 2,643,003, June 23.
Rack for trailers, Gas bottle. L. B. Obenchain. 2,635,939, Apr. 21.
Rack for trailers, Gas bottle. L. B. Obenchain. 2,639,208, May 19.
Rack for vacuum cleaners and accessories, Portable. E. J. Hill. 2,634,189, Apr. 7.
Rack for vehicles, Clothes. E. H. Colman. 2,645,390, July 14.
Rack for vehicles, Clothes. J. Pugel. 2,632,587, Mar. 24.
Rack for vehicles, Side. C. G. Barden. 2,646,909 July 28.
Rack operating mechanism, Broiler. J. F. Corn, Jr. 2,638,894, May 19.
Rack structure, Stacked. A. C. Vacanti. 2,630,924, Mar. 10.
Rack truck for rugs. L. A. Wieland. 2,664,307, Dec. 29.
Rack with hanger retaining means, Garment. R. A. Magnuson. 2,658,627, Nov. 10.
Racking mechanism for microphotometers. J. Stern. 2,656,757, Oct. 27.
Racket for tennis and batting games. R. H. Robinson. 2,626,804, Jan. 27.
Radar beacon circuit. J. Silverman. 2,637,021, Apr. 28.
Radar beacon delay standardization system. H. W. Collar, J. S. Russo, and M. J. Minneman. 2,634,410, Apr. 7.
Radar contrast control system. R. Sherr. 2,639,423, May 19.
Radar echo-ranging method and system, Forward. D. B. Harris. 2,639,422, May 19.
Radar equipment. H. de Lange, Dz. 2,654,083, Sept. 29.
Radar ground approach system. J. N. Marshall. 2,655,650, Oct. 13.
Radar power supply system. H. S. G. Cooper and H. L. Schultz. 2,644,088, June 30.
Radar range system. F. N. Rothacker. 2,632,160, Mar. 17.
Radar reflector. D. J. McAuley, H. E. G. Richards, and E. W. Clark. 2,639,426, May 19.
Radar scanning system. H. Iams. 2,625,679, Jan. 13.
Radar system. E. E. Crump. 2,656,532, Oct. 20.
Radar system. W. G. Hellpern and E. Vogt. 2,647,256, July 28.
Radar system and antenna therefor. R. G. Herb. 2,659,006, Nov. 10.
Radar system, Antijamming. R. S. O'Brien and J. H. Woodruff. 2,658,991, Nov. 10.
Radar system, Beacon. F. E. Grant and L. Katz. 2,656,530, Oct. 20.
Radar system, Continuous wave. W. V. Roberts. 2,645,769, July 14.
Radar system employing the Doppler effect, Pulse. A. E. Bailey. 2,637,027, Apr. 28.
Radar system for distinguishing moving targets from stationary targets. R. A. McConnell. 2,653,311, Sept. 22.
Radar system for indicating moving targets. F. Cunningham, Jr. 2,632,159, Mar. 17.
Radar system for moving target indication. B. E. Watt. 2,639,420, May 19.
Radar system, Frequency modulated. G. Naday and A. Perato. 2,632,161, Mar. 17.
Radar system, Moving target. F. Cunningham, Jr. 2,659,079, Nov. 10.
Radar system, Moving target indicating. R. A. McConnell. 2,658,195, Nov. 3.
Radar system, Single scope two-coordinate. H. G. Tasker, A. L. Hiebert, A. L. Kelsey, and W. E. Osborne. 2,649,581, Aug. 18.
Radar training device. H. A. Amman. 2,633,648, Apr. 7.
Radial back-off process and apparatus for grinders. F. J. Lamberty. 2,647,352, Aug. 4.
Radial cylinder engine. H. C. Dunning. 2,638,876, May 19.
Radial engine. J. S. Hasbrouck and L. C. Small, Jr. 2,630,105, Mar. 3.
Radial flux magnetic fluid clutch. J. Rabinow. 2,629,471, Feb. 24.
Radial piston rotary pump. R. F. Horton. 2,653,542, Sept. 29.
Radial-play gauge. H. B. Van Dorn. 2,636,379, Apr. 28.
Radiant energy detecting method and apparatus. R. Bray and K. Lark-Horovitz. 2,650,311, Aug. 25.
Radiant energy navigational device. D. K. Allison. 2,625,678, Jan. 13.
Radiant gas burner. W. Kennedy. 2,655,991, Oct. 20.
Radiant heat exchange and acoustical structure for buildings. H. R. Pittenger, Jr., and J. D. Verschoor. 2,660,409, Nov. 24.
Radiant heater. J. E. Kolb. 2,627,014, Jan. 27.
Radiant heater. O. Muller. 2,636,973, Apr. 28.
Radiant tube portable furnace. O. R. Olson. 2,635,866, Apr. 21.
Radiated-signal direction finder. K. McIlwain. 2,637,028, Apr. 28.
Radiation-absorption type liquid level indicator. J. A. Good. 2,662,985, Dec. 15.
Radiation counter. W. H. McCurdy, J. H. Findlay and L. C. Werner. 2,654,041, Sept. 29.
Radiation current source. H. H. Rossi. 2,640,953, June 2.
Radiation detecting device. S. A. Scherbatskoy. 2,639,390, May 19.
Radiation detection. S. M. Christian. 2,631,246, Mar. 10.
Radiation detection device. E. H. Land. 2,659,825, Nov. 17.
Radiation detector. W. H. Kohl. 2,648,779, Aug. 11.
Radiation exposure meter. O. G. Landsverk and L. E. Rasmussen. 2,638,551–2, May 12.
Radiation heating method and apparatus, Ultrahigh-frequency electromagnetic. G. W. Schroeder. 2,632,838, Mar. 24.
Radiation indicator. N. Anton. 2,649,554, Aug. 18.
Radiation measuring device. G. Failla and H. H. Rossi. 2,659,826, Nov. 17.
Radiation measuring device. R. G. MacKay and G. H. McLaughlin. 2,629,824, Feb. 24.
Radiation protective jacket. M. Weinberg. 2,642,542, June 16.
Radiation pyrometry. R. C. Machler. 2,658,390, Nov. 10.
Radiation shield supports in vacuum insulated containers. W. D. Cornell. 2,643,022, June 23.
Radiation softening. D. W. Atchley, Jr. 2,629,831, Feb. 24.
Radiator. A. L. Garratt. 2,656,155, Oct. 20.
Radiator. H. George. 2,647,197, July 28.
Radiator. E. Lehmann. 2,651,506, Sept. 8.

Radiator attachment, Steam. A. P. Kloth. 2,630,973, Mar. 10.
Radiator, Automobile. F. M. Young. 2,639,899, May 26.
Radiator, Baseboard. C. M. Wilcox. 2,656,156, Oct. 20.
Radiator bench. L. M. Carpenter. 2,663,929, Dec. 29.
Radiator cap. H. J. Gates. 2,630,240, Mar. 3.
Radiator cap cover attachment, Heat resistant. F. O. Dolezal. 2,661,859, Dec. 8.
Radiator construction. A. L. Haynes and V. G. Raviolo. 2,628,079, Feb. 10.
Radiator construction, Baseboard. A. J. Zeitler. 2,631,825, Mar. 17.
Radiator core, Automotive type cellular. S. Przyborowski. 2,652,233, Sept. 15.
Radiator core construction. E. Ludlow. 2,647,731, Aug. 4.
Radiator, Fin type. E. C. Schmid. 2,646,972, July 28.
Radiator, Focusing ultrasonic. G. W. Willard. 2,645,727, July 14.
Radiator header hose fitting. F. M. Young. 2,625,412, Jan. 13.
Radiator mounted on pipe, Simplified space heating. H. G. Schaefer. 2,639,900, May 26.
Radiator, Optical. H. Mohn. 2,658,984, Nov. 10.
Radiator pressure cap. A. W. Konchan. 2,640,986–7, Aug. 25.
Radiator pressure cap. A. W. Konchan. 2,655,284, Oct. 13.
Radiator provided with damper, Baseboard. R. N. Trane and O. A. Labus. 2,662,747, Dec. 15.
Radiator testing tank, including hydraulic lift system. H. B. Fechter. 2,627,746, Feb. 10.
Radiator valve tester. M. Couper. 2,653,470, Sept. 29.
Radioactive detector means in automatic steering systems. W. Wells. 2,662,208, Dec. 8.
Radioactive lightning protector with accelerating elements. J. P. Grenier and P. E. E. Lescieux. 2,644,026, June 30.
Radioactive primed resonant window for high-frequency discharge devices. T. G. Prescott. 2,652,618, Sept. 22.
Radioactive resistor. J. M. Benade, E. E. Goodale, and W. P. Jesse. 2,629,837, Feb. 24.
Radioactivity method and apparatus for bore-hole logging. G. Herzog and A. S. McKay. 2,652,496, Sept. 15.
Radio aid to navigation. J. Lyman and G. B. Litchford. 2,664,560, Dec. 29.
Radio and television antenna. C. Saranga. 2,657,312, Oct. 27.
Radio and television distribution system for hotels and apartment houses. L. W. Parker. 2,628,275, Feb. 10.
Radio and television receiver, Combination. K. E. Farr. 2,626,315, Jan. 20.
Radio apparatus, Aircraft. W. K. Ergen. 2,654,882, Oct. 6.
Radio audience counting system. R. E. Shelby. 2,636,671, Apr. 28.
Radio broadcast system. J. R. Alburger. 2,652,536, Sept. 15.
Radio circuit arrangement. W. W. Boelens. 2,654,026, Sept. 29.
Radio-clock-lamp combination. B. B. Gilmore. 2,626,327, Jan. 20.
Radio communication system. A. J. Bayliss. 2,642,524, June 16.
Radio communication system, Multichannel. W. G. Alexander and C. M. Harden. 2,652,453, Sept. 15.
Radio communication system, Short-wave directional. E. H. B. Bartelink. 2,641,755, June 9.
Radio controlled apparatus for air navigation. O. H. Schuck. 2,636,167, Apr. 21.
Radio dialing device, Automatic. S. R. Benow. 2,636,981, Apr. 28.
Radio direction and distance finding system, Combined. C. W. Earp and R. F. Cleaver. 2,640,191, May 26.
Radio direction finder. C. W. Earp. 2,651,774, Sept. 8.
Radio direction finder. L. J. Haworth. 2,631,276, Mar. 10.
Radio direction finder. J. B. Heffner, Jr. 2,635,232, Apr. 14.
Radio direction finder. P. A. Pearson. 2,659,082, Nov. 10.
Radio direction indicating system. W. J. O'Brien. 2,626,392, Jan. 20.
Radio distance measuring system. W. Palmer. 2,654,884, Oct. 6.
Radio echo apparatus. R. M. Page. 2,627,070, Jan. 27.
Radio echo apparatus for detecting and measuring the speed of moving objects. J. L. Barker. 2,629,865, Feb. 24.
Radio echo direction determining apparatus. J. La Via. 2,629,868, Feb. 24.
Radio echo pulse system for vehicle following a fixed route. P. R. Adams. 2,641,688, June 9.
Radio echo ranging apparatus. R. M. Page. 2,660,721, Nov. 24.
Radio echo training system. R. L. Garman and C. R. Haupt. 2,652,636, Sept. 22.
Radio energy system, High-frequency directed. B. M. Torrey. 2,659,818, Nov. 17.
Radio equipment, Single-sideband. J. L. A. McLaughlin. 2,646,499, July 21.
Radio frequency admittance measuring apparatus. W. B. Bernard. 2,636,928, Apr. 28.
Radio frequency amplitude control device. L. G. Fischer. 2,654,866, Oct. 6.
Radio frequency display sign. F. M. Shoemaker. 2,635,215, Apr. 14.
Radio frequency energy range and direction finder. R. M. Page. 2,628,350, Feb. 10.
Radio-frequency energy transfer switch. L. E. Bollinger. 2,656,443, Oct. 20.
Radio-frequency filter. W. A. R. Malm. 2,626,317, Jan. 20.
Radio-frequency generator. D. H. Preist. 2,641,658, June 9.
Radio-frequency generator. D. H. Preist. 2,642,533, June 16.
Radio frequency ignition system analyzer and interference locator. R. A. Gaetani and E. C. Vestal, Jr. 2,649,567, Aug. 18.
Radio-frequency transformer. H. D. Earl and M. J. Pifer. 2,630,560, Mar. 3.
Radio-frequency transformer and inductance element therefor. A. J. Torre. 2,626,318, Jan. 20.
Radio-frequency transmission line switching system. W. Todd. 2,647,240, July 28.
Radio-frequency tuning device. D. H. Fisher and W. Jones. 2,646,684, July 28.
Radio ground control equipment for aircraft. B. F. Collins, V. J. Cox, and A. W. Martin. 2,659,075, Nov. 10.
Radio identification system. C. W. Johnstone, W. N. Dean, and L. Mautner, 2,653,234, Sept. 22.
Radio impulse system for oscillograph calibration. L. A. De Rosa. 2,662,977, Dec. 15.
Radio index punch. R. B. Herbert and W. E. Fox. 2,641,319, June 9.
Radio jamming device. E. M. Williams and E. V. Cousy. 2,653,222, Sept. 22.
Radio location system. J. E. Hawkins. 2,629,091, Feb. 17.
Radio location system. J. E. Hawkins. 2,652,558–62, Sept. 15.
Radio-locator system. W. F. Priest. 2,638,585, May 12.
Radio navigation apparatus. F. W. Cunningham. 2,637,848, May 5.
Radio navigation system. W. W. Brockway and D. G. Shearer. 2,650,359, Aug. 25.
Radio navigation system. P. Périlhou. 2,646,564, July 21.
Radio object locating system. D. F. McAvoy. 2,654,883, Oct. 6.
Radio object-location system for moving target indication. A. G. Emslie. 2,646,562, July 21.
Radio-phonograph adapter. T. F. Thompson. 2,655,565, Oct. 13.
Radio phonograph cabinet. C. A. Petersen and H. W. Schaefer. 2,627,556, Feb. 3.
Radio program selector, Time controlled. H. F. Gavigan. 2,650,272, Aug. 25.
Radio pulse echo object locating system. I. A. Getting. 2,639,424, May 19.
Radio pulse-echo system, Moving object. A. G. Emslie. 2,659,076, Nov. 10.
Radio pulse echo system, Moving target. A. G. Emslie. 2,659,077, Nov. 10.
Radio range tracking system. E. V. Haake. 2,659,883, Nov. 17.
Radio ranging apparatus, Frequency modulated. M. V. Kiebert, Jr. 2,631,278, Mar. 10.
Radio receiver. R. R. Florac. Re. 23,651, May 5.
Radio receiver. R. E. Samuelson. 2,658,138, Nov. 3.
Radio receiver, Amplitude and frequency modulation. K. Önder. 2,653,227, Sept. 22.
Radio receiver, Combination. B. A. Schwarz. 2,662,975, Dec. 15.
Radio receiver employing band pass coupling circuit arrangements. E. P. Rudkin. 2,624,838, Jan. 6.
Radio receiver, Noise reducing. I. H. Page. 2,627,023, Jan. 27.
Radio receiver, Signal seeking. H. C. Goodrich, Jr. 2,639,374, May 19.
Radio receiver tuning indicating apparatus, Remote. J. G. Black. 2,654,651, Oct. 6.
Radio receiving circuit arrangement. F. C. Williams. 2,657,306, Oct. 27.
Radio receiving system. C. E. Cox. 2,636,117, Apr. 21.
Radio receiving system. C. L. Damron. 2,650,297, Aug. 25.
Radio receiving system, Frequency stabilized. R. B. Dome. 2,647,992, Aug. 4.
Radio refractor, Nonreflective. W. E. Kock. 2,627,027, Jan. 27.
Radio relay system, Airborne transoceanic. C. W. Hansell and D. S. Bond. 2,627,021, Jan. 27.
Radio repeater having a pulse regenerator. C. B. H. Feldman. 2,627,574, Feb. 3.
Radio reporting precipitation gauge. J. C. Stevens. 2,642,564, June 16.
Radio scanning system. G. Ley and C. H. Jones. 2,660,722, Nov. 24.
Radio selector switch and dial mechanism. W. P. Lear. 2,624,835, Jan. 6.
Radio signal receiver, Heterodyne. H. B. Reynolds. 2,636,980, Apr. 28.
Radio system. W. A. Huber. 2,627,068, Jan. 27.
Radio system, Multiple channel. R. C. Allen and J. Milliman. 2,659,081, Nov. 10.
Radio system, Time division multiplex. H. M. Veaux. 2,645,770, July 14.

Radiotelephone receiving system employing a plurality of receivers. W. R. Young, Jr. 2,636,982, Apr. 28.
Radio transmission and carrier wave modulation. J. Hartz. 2,645,710, July 14.
Radio wave radiating system. R. Redheffer. 2,624,843, Jan. 6.
Radio with a bass-reflex cabinet, Portable. H. F. Olson and J. Preston. 2,642,948, June 23.
Radiograph marking apparatus. G. L. Lott. 2,649,547, Aug. 18.
Radiographic clinometer. I. M. Greenberg. 2,649,548, Aug. 18.
Radiological gas analysis. D. J. Pompeo and J. W. Otvos. 2,641,710, June 9.
Radiophone communication system, Multiplex. J. H. Homrighous. 2,635,233, Apr. 14.
Radiosonic buoy, Expendable. R. I. Mason, J. A. Barkson, and J. C. McNary. 2,629,083, Feb. 17.
Radome panel, Sandwich-type. E. A. Black. 2,641,561, June 9.
Raft, Life. R. R. Hansen. 2,629,115, Feb. 24.
Rafter marking device. C. Hudson. 2,635,343, Apr. 21.
Rail and tie fastening assembly. H. W. Protzeller. 2,656,116, Oct. 20.
Rail attachment for stepladders, Safety. J. S. Tepper. 2,640,641, June 2.
Rail bond. H. W. Hicks. 2,630,974, Mar. 10.
Rail brace. G. Arnold, H. A. Schultz, and E. E. Rhoads. 2,636,687, Apr. 28.
Rail car fissure detecting apparatus. C. W. and R. W. McKee. 2,656,503, Oct. 20.
Rail clamp for machine tools. J. M. Walter. 2,638,659, May 19.
Rail drill. H. H. Talboys and H. E. Erickson. 2,632,342, Mar. 24.
Rail fastening. K. Stamm. 2,638,276, May 12.
Rail-fastening clip. M. L. Myer. 2,651,469, Sept. 8.
Rail fastening means. C. Naud. 2,645,427, July 14.
Rail flaw detecting apparatus. F. H. Keaton and D. C. Bettison. 2,624,779, Jan. 6.
Rail flaw-detecting device. A. E. F. Billstein. 2,645,938, July 21.
Rail for wood beds, Steel side. E. F. Hooker. 2,631,305, Mar. 17.
Rail, Guard. M. L. O'Neale. 2,631,014, Mar. 10.
Rail joint. A. L. Barrett. 2,657,863, Nov. 3.
Rail joint. P. M. Cooper. 2,633,302, Mar. 31.
Rail joint and splice, Boltless. R. L. Conner. 2,636,686, Apr. 28.
Rail joint bar and rail joint prepared therewith. J. F. Causey. 2,629,556, Feb. 24.
Rail joint shim. H. A. Wren. 2,635,816, Apr. 21.
Rail member for removably mounting sinuously corrugated wire springs. W. H. Neely, W. C. Sandor, and C. E. Smith. 2,642,932, June 23.
Rail member for removably mounting sinuously corrugated wire springs. W. H. Neely and C. E. Smith. 2,633,904, Apr. 7.
Rail puller. L. O. Hyvari. 2,651,497, Sept. 8.
Rail retaining structure. L. Spencer. 2,626,108, Jan. 20.
Railroad brake slack adjuster. W. O. Martin. 2,630,194, Mar. 3.
Railroad car moving jack. J. Kilness. 2,639,888, May 26.
Railroad fissure detector car. C. W. and R. W. McKee. 2,639,316, May 19.
Railroad joint. J. A. Ross. 2,643,063, June 23.
Railroad journal box. R. Altson. 2,646,320, July 21.
Railroad journal box. R. J. Brittain, Jr. 2,643,163, June 23.
Railroad spike and retainer for the same. A. Rosenberg. 2,629,557, Feb. 24.
Railroad tie with cushioning means, Cinder and cement. C. G. Anderson. 2,631,784, Mar. 17.
Railroad track appliance. S. W. Hayes. 2,663,526, Dec. 22.
Railroad train water supply system. H. D. Euwer. 2,630,078, Mar. 3.
Rail trailer carrier. J. A. Bannen. 2,638,852, May 19.
Railway axle box lubricator. J. J. Hennessy. 2,639,200, May 19.
Railway axle journal lubricator. J. J. Hennessy. 2,639,202, May 19.
Railway axle journal lubricator. J. J. Hennessy. 2,660,488–9, Nov. 24.
Railway brake beam safety connector structure. H. W. Ekholm. 2,642,161, June 16.
Railway car axle bearing. O. J. Horger. 2,648,576, Aug. 11.
Railway car axle journal bearing mounting. H. M. Jones. 2,660,490, Nov. 24.
Railway car diaphragm face plate mounting. J. F. Monger. 2,638,055, May 12.
Railway car end buffer arrangement. A. G. Dean. 2,636,621, Apr. 28.
Railway car hand brake. J. P. Templeman. 2,646,695, June 28.
Railway car rerailing mechanism. E. L. Setliff. 2,627,235, Feb. 3.
Railway car springs. L. E. Endsley. 2,656,180, Oct. 20.
Railway car truck bolster stabilizer. K. M. Hamilton. 2,661,703, Dec. 8.
Railway car wheel. H. Michaels and J. F. Fleck. 2,650,853, Sept. 1.
Railway car with normal-height end doors, Full-length dome or double-deck. G. K. Murphy. 2,633,090, Mar. 31.
Railway car with operator's cab, Self-propelled. J. F. Clary. 2,662,488, Dec. 15.
Railway-control apparatus, Door-controlled. J. E. Drake. 2,637,009, Apr. 28.
Railway crossing. R. F. Lanier. 2,652,981, Sept. 22.
Railway draft gear cushioning mechanism. D. Willison. 2,635,766, Apr. 21.
Railway dummy roundabout. M. Ernst. 2,635,878, Apr. 21.
Railway house car. W. A. Beauchamp. 2,632,212, Mar. 24.
Railway journal box oil guard. J. J. Hennessy. 2,640,739, June 2.
Railway journal lubricator. J. J. Hennessy. 2,643,919, June 30.
Railway journal lubricator. J. J. Hennessy. 2,658,806, Nov. 10.
Railway journal lubricator pump. J. J. Hennessy. 2,635,017, Apr. 14.
Railway journal lubricator pump. J. J. Hennessy. 2,639,201, May 19.
Railway motor vehicle. N. J. McDonald. 2,655,873, Oct. 20.
Railway rail. G. R. Burkhardt. Re. 23,745, Dec. 1.
Railway rail fastener. J. M. Fawcett. 2,628,035, Feb. 10.
Railway switch box. E. O. Humphrey. 2,647,710, Aug. 4.
Railway switch machine controller. C. L. Swanton. 2,644,120, June 30.
Railway tie plate lifter. F. W. Collins and W. L. Dietrich. 2,628,122, Feb. 10.
Railway truck damping device. J. C. Settles. 2,624,291, Jan. 6.
Railway truck shock absorber mounting. J. C. Settles and L. E. Furniss. 2,642,008, June 16.
Railway vehicle body and truck central bearing. J. C. Travilla. 2,655,117, Oct. 13.
Railway vehicle operator's seat. C. H. Apel. 2,627,897, Feb. 10.
Railing. L. W. Cremens. 2,654,579, Oct. 6.
Rain shade attachment. C. G. Soppeland. 2,627,912, Feb. 10.
Rain shield and drain device. D. G. Muckle. 2,635,918, Apr. 21.
Rainbow color device for fog penetrating lights. A. Stein. 2,636,110, Apr. 21.
Raising and lowering a center leaf in extension tables, Means for. C. Lallier. 2,657,108, Oct. 27.
Raising and lowering diffuser tubes, Means for. C. H. Nordell. 2,650,810, Sept. 1.
Raising vehicles, Method and device for. E. B. Thompson. 2,654,443, Oct. 6.
Rake. H. Biener. 2,663,987, Dec. 29.
Rake. C. L. Morris. 2,652,279, Sept. 15.
Rake, Agricultural. B. C. Hicks. 2,635,411, Apr. 21.
Rake attachment for tractors. F. J. Gebauer. 2,655,277, Oct. 13.
Rake, Basket yard. J. A. Adams. 2,652,680, Sept. 22.
Rake, Dumping hay. J. C. Collins. 2,634,572, Apr. 14.
Rake, Hay. C. L. Kelly. 2,648,946, Aug. 18.
Rake, High lift side delivery. P. H. Harrer. 2,641,098, June 9.
Rake, Hydraulically operated. H. L. Berkley. 2,645,891, July 21.
Rake, Leaf. J. B. Wood. 2,632,992, Mar. 31.
Rake, Nonclog. K. Szillage. 2,635,911, Apr. 21.
Rake, Power-operated push. J. L. Adams. 2,647,356, Aug. 4.
Rake, Powered rotary. A. S. Tucker. 2,642,710, June 23.
Rake, Quiller. R. R. Cone. 2,652,203, Sept. 15.
Rake, Rotary wheel side delivery. G. B. Hill. 2,657,519, Nov. 3.
Rake, Self-cleaning. G. E. Huff. 2,642,712, June 23.
Rake, Side-delivery. G. B. Hill. 2,635,410, Apr. 21.
Rake, Side delivery. G. B. Hill. 2,649,681, Aug. 25.
Rake, Side delivery. G. B. Hill and D. L. King. 2,657,518, Nov. 3.
Rake, Side-delivery. J. M. McCandless and L. Bentz. 2,637,967, May 12.
Rake, Side delivery. C. B. Richey. 2,639,574–5, May 26.
Rake, Side delivery. S. D. Russell. 2,629,223, Feb. 24.
Rake, Side-delivery. P. R. Schroeppel. 2,635,412, Apr. 21.
Rake spring tooth, Side delivery. M. J. Happe. 2,657,521, Nov. 3.
Rake teeth, Making. L. G. Kopp. 2,648,362, Aug. 11.
Rake, Tractor mounted buck. C. W. Neilsen. 2,662,359, Dec. 15.
Raker gauge. E. Deslongchamps. 2,654,959, Oct. 13.
Raking and windrow turning machine. E. J. Whitney. 2,636,335, Apr. 28.
Raking classifier. C. H. Scott. 2,647,631, Aug. 4.
Ram for machine tools, Adjustable. T. F. Eserkaln and F. Steinbrecker. 2,658,425, Nov. 10.
Ram jet and turbojet, Combination. J. A. Kerr. 2,641,902, June 16.
Ram jet engine. G. W. Kallal. 2,656,676, Oct. 27.
Ram-jet launching sequence fuel flow control valve. T. W. Johnson. 2,658,331, Nov. 10.
Ram jet with steam augmentation. G. F. Landgraf. 2,635,422, Apr. 21.

Rammer. O. W. Marlow. 2,660,928, Dec. 1.
Ramie processing apparatus. G. Brereton. 2,624,918, Jan. 13.
Ramp block and auto jack, Combined. M. Copus. 2,631,007, Mar. 10.
Ramp, Marine transfer. W. A. Pitts and C. M. Carothers. 2,641,785, June 16.
Ramp, Platform. R. W. Eycleshimer. 2,644,180, July 7.
Ramp, Swingable trailer. W. E. Martin. 2,650,727, Sept. 1.
Ramp, Truck. H. J. Woolslayer and C. D. Iddings. 2,647,606, Aug. 4.
Ramp unit, Dock loading. R. C. Ramer. 2,639,450, May 26.
Random signal generator. R. L. Craiglow. 2,637,845, May 5.
Range and tank, Oil. C. E. Chesser. 2,642,060, June 16.
Range and view finder, Combined. J. Mihalyi. 2,632,357, Mar. 24.
Range aperturing device. A. H. Schooley. 2,629,867, Feb. 24.
Range apparatus. P. M. Weyrick. 2,664,493, Dec. 29.
Range, Combination. M. J. Maier. 2,641,244, June 9.
Range construction, Cabinet. H. E. Mills. 2,650,586, Sept. 1.
Range finder. S. S. Szelwach. 2,627,779, Feb. 10.
Range finder adjusting mechanism. J. Mihalyi and H. A. Bing. 2,655,832, Oct. 20.
Range finder for telegraph selectors. C. W. Swan. 2,624,799, Jan. 6.
Range follow-up. J. R. Rogers. 2,627,057, Jan. 27.
Range, Kitchen. E. Erhst. 2,624,329, Jan. 6.
Range measuring apparatus. P. W. Siglin. 2,653,232, Sept. 22.
Range or stove, Combined electric and gas operated. W. H. Ogden. 2,658,987, Nov. 10.
Range selector circuit. E. G. Schneider. 2,644,156, June 30.
Range structure, Cooking. G. C. Pearce. 2,632,434, Mar. 24.
Range top structure. C. J. Gibson. 2,633,523, Mar. 31.
Ranging system. W. F. Meeker and F. H. Slaymaker. 2,659,878, Nov. 17.
Rapid basic-catalyzed esterification of cellulose. R. C. Blume. 2,632,006, Mar. 17.
Rapid-change flash lamp socket. A. B. Fox. 2,629,762, Feb. 24.
Rapid connect and disconnect fastening means. C. F. Marschner. 2,662,260, Dec. 15.
Rapid esterification of cellulose using a basic catalyst. R. C. Blume and F. H. Swezey. 2,632,007, Mar. 17.
Rapid searching thermal automatic frequency control. H. Wallman. 2,640,157, May 26.
Rapidly processing photographic film, Means for. A. W. Tondreau. 2,651,245, Sept. 8.
Rare earth separation by anion exchange. E. H. Huffman and R. L. Oswalt. 2,636,044, Apr. 21.
Rathole drilling apparatus. P. M. Harbour. 2,629,586, Feb. 24.
Rathole head, Rotating. W. C. Carlisle. 2,633,330, Mar. 31.
Ratchet clutch handle. T. R. Yess. 2,641,291, June 9.
Ratchet operated socket wrench. W. J. Markovich. 2,649,823, Aug. 25.
Ratchet operating mechanism. J. B. Tucker. 2,662,193, Dec. 22.
Ratchet or brake, Hydraulic. W. T. Rossell. 2,651,386, Sept. 8.
Ratchet structure for ring compressors. L. B. Miller. 2,626,530, Jan. 27.
Ratchet tool with angularly adjustable handle. W. Bright. 2,656,865, Oct. 27.
Ratchet-type drill. J. W. Stallings. 2,647,420, Aug. 4.
Ratchet type impact tool. O. J. Swenson. 2,661,647, Dec. 8.
Ratchet wrench. E. J. Gantz. 2,627,330, Feb. 3.
Ratchet wrench. M. B. Marsden, Jr., and J. H. Marsden. 2,641,136, June 9.
Ratchet wrench. J. Pasquariello. 2,633,044, Mar. 31.
Ratchet wrench. T. O. Rueb. 2,657,604, Nov. 3.
Ratchet wrench. A. E. G. Sellers. 2,660,910, Dec. 1.
Ratchet wrench. S. Yavner. 2,646,711, July 28.
Ratcheting wrench. O. W. Simon and G. B. Carmack. 2,655,064, Oct. 13.
Rate determining device. G. A. Morton, L. E. Flory, and R. L. Snyder, Jr. 2,658,670, Nov. 10.
Rate meter. F. N. Blackmore. 2,625,656, Jan. 13.
Rate of flow regulator. S. Kongelbeck. 2,630,133, Mar. 3.
Rate of pressure change regulating instrument. B. E. Del Mar. 2,660,942, Dec. 1.
Rate of rise-dive indicator. P. B. Levitt and J. D. Morgan. 2,638,786, May 19.
Ratio controller, Variable. H. B. Breedlove. 2,632,456, Mar. 24.
Ratio detector. R. C. Moses. 2,653,230, Sept. 22.
Ratio drive for metering or proportioning pumps. G. H. McGowan. 2,638,847, May 19.
Ratio transformer, Variable. B. H. Pliske. 2,655,636, Oct. 13.
Raw sulfite acid, Preparing. G. Haglund. 2,637,627, May 5.
Ray directing device. J. B. Bartow. 2,659,017, Nov. 10.
Rayon spinning machinery. J. H. Givens, L. Rose, and E. J. Whyte. 2,658,254, Nov. 10.
Rayon yarns, Continuous manufacture of. R. H. McKee. 2,637,069, May 5.
Razor. J. N. Graef. 2,660,782, Dec. 1.
Razor. H. B. Streeter. 2,648,129, Aug. 11.
Razor and blade changer. J. M. Austin. 2,653,379, Sept. 29.
Razor, Automatic blade holding. E. T. Yonamine. 2,663,080, Dec. 22.
Razor blade. M. J. Cerino and E. F. Kingsley. 2,657,460, Nov. 3.
Razor blade, Bias safety. R. O. and O. E. Williams. 2,637,905, May 12.
Razor blade cartridge unit. M. C. Thompson. 2,637,900, May 12.
Razor blade dispenser. D. C. Santo. 2,641,358, June 9.
Razor blade dispensing package. M. J. Shnitzler. 2,624,452, Jan. 6.
Razor blade edge straightener. E. M. Tierney. 2,629,211, Feb. 24.
Razor blade gauge and method. A. Wiebe. 2,637,116, May 5.
Razor blade hand plane. E. B. Ackland. 2,645,259, July 14.
Razor blade holder. W. H. Harbison. 2,632,247, Mar. 24.
Razor blade magazine. J. M. Austin. 2,639,029, May 19.
Razor blade magazine. E. J. Gray. 2,644,576, July 7.
Razor blade magazine. M. and J. H. Kleinmann. 2,630,625, Mar. 10.
Razor blade plane. A. W. Miltenburg. 2,636,529, Apr. 28.
Razor blade plane, Safety. A. Weber. 2,648,363, Aug. 11.
Razor blade protector. T. O. Ganzer. 2,636,264, Apr. 28.
Razor, Disposable. W. M. Robinson. 2,654,148, Oct. 6.
Razor, Double-edge blade type permanently assembled. J. E. Fisk. 2,636,262, Apr. 28.
Razor, Electric. M. Salz. 2,661,532, Dec. 8.
Razor handle. H. K. Cohen. 2,645,009, July 14.
Razor honer, Automatic. S. Rosenbeck. 2,649,666, Aug. 25.
Razor, Magazine safety. J. F. Cavanagh. 2,661,530, Dec. 8.
Razor, Mechanical. H. Konrad. 2,632,948, Mar. 31.
Razor, Quick-opening. J. Muros. 2,644,229, July 7.
Razor, Safety. B. Bowen and C. L. Metzler. 2,654,149, Oct. 6.
Razor, Safety. H. E. Cardenas. 2,624,109, Jan. 6.
Razor, Safety. M. J. Cerino. 2,662,281, Dec. 15.
Razor, Safety. B. S. Cutler. 2,637,101, May 5.
Razor, Safety. D. A. Dodson. 2,647,308, Aug. 4.
Razor, Safety. J. T. Hellmann. 2,632,243, Mar. 24.
Razor, Safety. J. T. Hellmann. 2,663,078, Dec. 22.
Razor, Safety. S. Henschien. 2,654,150, Oct. 6.
Razor, Safety. F. P. Musso. 2,632,242, Mar. 24.
Razor, Safety. S. Segal. 2,656,599, Oct. 27.
Razor, Self-sharpening safety. W. F. Eckert. 2,640,258, June 2.
Razor, Semiautomatic disposable blade. C. A. Arms. 2,630,626, Mar. 10.
Razor, Vibratory. A. H. Crisp. 2,659,968, Nov. 24.
Razor with a new and used blade holder. C. M. Bessert. 2,631,367, Mar. 17.
Razor with adjustable guard. M. J. Shnitzler. 2,661,533, Dec. 8.
Razor with extra blade, Safety. A. H. Bronish. 2,658,271, Nov. 10.
Razor with rotary magazine and blade therefor, Safety. J. C. Fennelly. 2,636,263, Apr. 28.
Reach assembly for cycle saddles. H. E. Kalter. 2,643,701, June 30.
Reactance system. K. S. Stull, Jr. 2,652,537, Sept. 15.
Reactance tube circuit. W. R. Rambo. 2,652,538, Sept. 15.
Reacting alpha, alpha-polyhalogenated alkanals and organo-phosphorus compounds and products resulting therefrom. E. C. Ladd and M. P. Harvey. 2,631,162, Mar. 10.
Reacting gaseous media in the presence of hot contact material, Process and apparatus for. J. E. Evans. 2,661,322, Dec. 1.
Reaction of a phosphonic acid dichloride and a dihydroxy compound and resinous product. H. Zenftman and R. McGillivray. 2,636,020, Apr. 21.
Reaction of alpha-thiocyano carbonyl compounds with primary amines and their acid salts. J. T. Gregory. 2,626,949, Jan. 27.
Reaction of carbon monoxide and hydrazine. G. D. Buckley and N. H. Ray. 2,640,831, June 2.
Reaction of cracked petroleum fractions, formaldehyde and ammonium halides and products. H. D. Hartough, J. J. Dickert, Jr., and S. L. Meisel. 2,652,429, Sept. 15.
Reaction of ethers with acids using ion exchange resins catalysts. D. L. Cottle and D. W. Young. 2,629,735, Feb. 24.
Reactions of heterocyclic compounds with unsaturated carbonyl compounds. I. D. Webb and G. T. Borcherdt. 2,640,057, May 26.
Reaction of lactones with trialkyl phosphite. H. W. Coover, Jr., and J. B. Dickey. 2,652,416, Sept. 15.
Reaction of silanes with aliphatic unsaturated compounds. G. H. Wagner. 2,637,738, May 5.
Reaction product of a mixed ferrite and lead titanate. G. Berge. 2,640,813, June 2.

Reaction product of a xanthate, and inorganic sulfide and a copper salt. S. B. Tuwiner. 2,651,649, Sept. 8.
Reaction product of antipyrine aldehyde, p-aminobenzene sulfonamide and sodium bisulfite. J. H. T. Ledrut. 2,650,219, Aug. 25.
Reaction product of sodium dicyanamide and hydroxylamine hydrochloride. J. J. Roemer and D. W. Kaiser. 2,648,669, Aug. 11.
Reaction products of a polyhalogenated compound and a triazine derivative and preparing the same. J. T. Thurston. 2,640,047, May 26.
Reaction products of an aldehyde and an aldehyde-reactable composition comprising the condensation product of a polyhalogenated compound and a triazine derivative. J. T. Thurston. 2,640,046, May 26.
Reaction products of an octyl acid pyrophosphate and soyamine and lubricants containing the same. W. H. Woodstock and T. M. Beck. 2,664,400, Dec. 29.
Reaction products of cupric chloride and amino hydroquinone ethers and process. J. Mahler. 2,639,290, May 19.
Reaction products of fatty acids, dialkanolamines, and alkenyl succinic acid anhydrides. R. V. White and H. D. Norris. 2,638,449, May 12.
Reaction products of hydrogen sulfide and salts of aci-nitro-hydrocarbons. C. S. Coe and T. F. Doumani. 2,656,393, Oct. 20.
Reaction products of N-alkylated polyalkylenepolyamines and alkenyl succinic acid anhydrides. R. V. White and P. S. Landis. 2,638,450, May 12.
Reaction products of organic sulfoxides and hydrozoic acid. L. Reiner and F. Fiordalisi. 2,648,705, Aug. 11.
Reaction products of polyepoxides with styrene-acrylic acid-vinyl pyridine copolymers. O. C. W. Allenby. 2,662,870, Dec. 15.
Reaction propulsion engine. E. O. Painter. 2,636,343, Apr. 28.
Reactivating a supported platinum catalyst. H. R. Appell. 2,635,080, Apr. 14.
Reactivating copper-bearing catalytic solutions. C. J. Stehman. 2,632,737, Mar. 24.
Reactivation of conversion catalysts. R. W. Richardson, J. P Billsoly, and M. A. Segura. 2,636,845, Apr. 28.
Reactive speed-torque control of induction motors. R. V. Tiede. 2,648,808, Aug. 11.
Reactively actuated acousto-electric transducer. S. M. Church. 2,650,954, Sept. 1.
Reactor. L. E. Sauer. 2,663,828, Dec. 22.
Reactor for high-temperature cracking. K. T. Hartwig and C. H. Watkins. 2,644,744, July 7.
Reactor having nonplugging valve nozzle. G. M. Efferson. 2,643,183, June 23.
Reactor inlet. K. A. Rees, T. J. Innes, Jr., and L. M. and R. W. Williams. 2,652,317, Sept. 15.
Readily attachable electrical connector. C. E. Gilbert, 2,647,245, July 28.
Readily filterable viscose, Making. E. Torke and W. Matthaes. 2,647,114, July 28.
Reading device, Sight. A. E. Shapiro and M. Metsky. 2,655,738, Oct. 20.
Reading device, Tape or web. E. Congdon. 2,637,129, May 5.
Reading-rate device. E. A. Simpson. 2,662,307, Dec. 15.
Reading training device. C. G. Erickson. 2,632,258, Mar. 24.
Reading-training device. A. J. McMaster. 2,662,306, Dec. 15.
Reagent control method and apparatus. W. F. Eberz. 2,633,472, Mar. 31.
Realigning method and apparatus. F. R. Painter. 2,637,943, May 12.
Reamer. J. C. Baldwin. 2,638,327, May 12.
Reamer. C. Harden. 2,643,693, June 30.
Reamer. J. J. Strnad. 2,646,702, July 28.
Reamer and honer for wrist pin bushings. C. L. Clark. 2,624,217, Jan. 6.
Reamer, Expanding. R. Fishwick. 2,638,020, May 12.
Reamer, Wedge-level. V. Thompson. 2,645,456, July 14.
Reaming and juicing device, Fruit and vegetable. F. D. Rohmer. 2,628,647, Feb. 17.
Reaming machine, Conduit. H. J. Sketchley. 2,659,540, Nov. 17.
Reaming machine, Universal. U. Falconi. 2,648,237, Aug. 11.
Rear compartment lock. E. N. Jacobi. 2,655,028, Oct. 13.
Rear-end construction of self-supporting automobile bodies. A. R. Lindsay. 2,662,793, Dec. 15.
Rear gang for tractor cultivators. A. V. Raught. 2,645,988, July 21.
Rearview mirror mounting. G. L. Kampa. 2,652,221, Sept. 15.
Rearview mirror structure. F. Budreck. 2,629,286, Feb. 24.
Rearview window protector. W. N. Ashcraft. 2,653,050, Sept. 22.
Rear viewing system for vehicles. R. N. Darroch. 2,645,159, July 14.
Reboring jig. E. L. Schlage. 2,633,040, Mar. 31.
Receipting and depositing machine. S. McConaha, Jr., J. N. Bills, and E. J. McConaha. 2,662,472, Dec. 15.
Receiver for card ejecting and stacking mechanism. E. A. Barber, Jr. 2,631,039, Mar. 10.
Receiver for pneumatic post systems with horizontal capsule ejection. W. K. Sindzinski. 2,647,706, Aug. 4.
Receiver for two-tone carrier systems. T. A. Jones. 2,644,036, June 30.
Receiver tuning device. B. Parzen. 2,629,864, Feb. 24.
Receiving apparatus for controlling garage doors and lights. C. B. Trimble. 2,655,606, Oct. 13.
Receiving apparatus for radio-frequency navigation systems. W. J. O'Brien. 2,626,391, Jan. 20.
Receiving tray and cover for duplicating machines, Combination. O. L. Smith. 2,632,388, Mar. 24.
Receptacle: *See*—
- Bracket receptacle.
- Collapsible ballot receptacle.
- Collapsible stacking receptacle.
- Foldable receptacle.
- Fused circuit plug-in receptacle.
- Garbage receptacle.
- Germicidal receptacle.
- Laundry handling receptacle.
- Magazine receptacle.
- Multiple electric plug receptacle.
- Paint receptacle.
- Plug-in electrical receptacle.
- Refuse packaging receptacle.
- Self-irrigating plant receptacle.
- Smoker's ash receptacle.
- Smoker's receptacle.
- Ticket stacking receptacle.
- Tubular receptacle.
- Waste receptacle.
- Water-holding and dispensing receptacle.
- Waterproof receptacle.

Receptacle. L. A. Finney. 2,660,347, Nov. 24.
Receptacle and support therefor. H. R. Casella. 2,658,642, Nov. 10.
Receptacle and trough, Combined feed. C. O. Jorenby. 2,660,981, Dec. 1.
Receptacle base and cover operating mechanism. E. V. Lyttaker. 2,663,529, Dec. 22.
Receptacle closure. M. B. Beaubaire and M. E. Strand. 2,662,656, Dec. 15.
Receptacle closure. A. E. Smith. 2,642,870, June 23.
Receptacle closure and dispensing device, Combination. R. E. Gunther. 2,638,613, May 19.
Receptacle dumping apparatus. A. D. Smith. 2,626,071, Jan. 20.
Receptacle filler. R. E. Bodendoerfer. 2,628,759, Feb. 17.
Receptacle filler. A. J. Lippold. 2,630,960, Mar. 10.
Receptacle filler and capper having receptacle carrier and capper indexing means. T. H. Kummer and R. E. Bodendoerfer. 2,650,012, Aug. 25.
Receptacle filling and liquid level control system. H. R. Karlen. 2,639,078, May 19.
Receptacle filling machine. G. H. Daniels. 2,656,962, Oct. 27.
Receptacle for bakery products. A. B. Stotter. 2,637,617, May 5.
Receptacle for electric shavers, Beard clipping. S. Kahn and C. D. Mabry, Jr. 2,637,901, May 12.
Receptacle for hygroscopic materials, Heated. D. W. Quirk. 2,635,170, Apr. 14.
Receptacle for irrigating intestinal tract of colostomy patients. G. C. Smith and E. S. Fuller. 2,639,711, May 26.
Receptacle for lipsticks. Mildred and Madeleine [redacted]ewick. 2,637,440, May 5.
Receptacle for safety razor blades. K. B. Peterson. 2,663,079, Dec. 22.
Receptacle for threaded needles. C. R. Yingling. 2,642,211, June 16.
Receptacle having hinged cover. C. Castelli. 2,642,987, June 23.
Receptacle holding and supporting apparatus. H. F. and A. W. Wetzel. 2,641,367, June 9.
Receptacle, plug, and switch, Electrical. J. D. Harlin. 2,664,475, Dec. 29.
Receptacle rack. J. M. Hinman. 2,624,467, Jan. 6.
Receptacle support. M. Pierce. 2,639,878, May 26.
Receptacle support. W. R. Young. 2,637,518, May 5.
Receptacle supported stationary rest and wiper for milk cans. P. P. Prevost. 2,636,205, Apr. 28.
Receptacle to be mounted to the neck of a container holding a liquid to be dispensed, Dispensing. I. C. Richards. 2,661,127, Dec. 1.
Recessed book cover. J. V. Cavalero. 2,643,899, June 30.
Recessing attachment. D. H. Montgomery. 2,637,237, May 5.
Recessing means. W. B. Retz. 2,630,621, Mar. 10.
Rechipper with vibrating trough. E. I. Flateboe. Re. 23,650, May 5.
Recipe file. R. Hellman. 2,650,594, Sept. 1.
Reciprocating block. L. Berkepeis. 2,650,036, Aug. 25.
Reciprocating carriage drive. E. Kolland. 2,660,066, Nov. 24.
Reciprocating cutting machine, Portable. W. P. Gallagher and C. J. Courant. 2,624,115, Jan. 6.
Reciprocating die press. F. E. Stratton and H. V. Hall. 2,651,365, Sept. 8.
Reciprocating doctor blade mechanism. H. E. Peyrebrune, B. B. Pasquinelli, and B. L. Sites. 2,644,395, July 7.
Reciprocating electromagnetic motor. L. C. Parker. 2,631,250, Mar. 10.
Reciprocating electromagnetic pump. K. D. Aumick and J. W. Dickey. 2,641,188, June 9.
Reciprocating feed device. J. J. Gapstur. 2,624,441, Jan. 6.
Reciprocating floor bottom for unloading vehicles. W. R. Peterson. 2,629,504, Feb. 24.

Reciprocating machine. A. Yorgiadis. 2,635,472, Apr. 21.
Reciprocating power tool. A. A. Miller. 2,648,892, Aug. 18.
Reciprocating washer and centrifugal drier provided with shock absorbing hydraulic suspension assembly. J. W. Chamberlin. 2,629,245, Feb. 24.
Reciprocator. F. L. Bamford. 2,639,620, May 26.
Reciprocatory engine. G. F. McClay. 2,629,363, Feb. 24.
Recirculating delay system. J. Snyder. 2,629,820, Feb. 24.
Recirculating dusting system. J. F. Campbell. 2,626,011, Jan. 20.
Recirculation system. W. H. Phillips and G. E. Gard. 2,657,094, Oct. 27.
Reclaiming apparatus and method. J. C. Elgin and E. F. Sverdrup. 2,653,349, Sept. 29.
Reclaiming mechanical knitting needles. G. L. Hofmeister. 2,630,172, Mar. 3.
Reclaiming rubber and reclaimed rubber products. J. C. Elgin and E. F. Sverdrup. 2,653,915, Sept. 29.
Reclaiming rubber with reaction products of dialkylnaphthols with sulfur chloride. W. A. Hensley. 2,647,089, July 28.
Reclaiming rubbers. G. E. P. Smith, Jr. 2,626,932, Jan. 27.
Reclaiming scrap vulcanized material. J. C. Elgin and E. F. Sverdrup. 2,653,916, Sept. 29.
Reclaiming scrap vulcanized material using an olefin as reclaiming agent. J. C. Elgin and E. F. Sverdrup. 2,653,914, Sept. 29.
Reclaiming single base smokeless powder. D. A. Alderson, R. V. Wakefield, and E. P. Reichardt. 2,642,350, June 16.
Reclining chair. A. J. Bellsle. 2,663,357, Dec. 22
Reclining chair. H. Fischer. 2,634,796, Apr. 14.
Reclining chair. P. T. Grabill. 2,630,163, Mar. 3.
Reclining chair. J. M. Jensen 2,628,663, Feb. 17.
Recognizer circuit. E. W. Pappenfus. 2,659,879, Nov. 17.
Recoil pad. N. A. Bivens. 2,650,446, Sept. 1.
Recoil reducer and accuracy improver. R. L. Shockey. 2,627,686, Feb. 10.
Reconditioning apparatus for doffer assemblies. C. R. Worthington. 2,663,123, Dec. 22.
Reconditioning the extruding face of spinnerettes. W. Martin and W. Heynen. 2,649,670, Aug. 25.
Reconstituted milk process. D. D. Peebles and M. D. Girvin. 2,657,142, Oct. 27.
Reconstructing unusable bowling pins. G. J. Francar. 2,634,774, Apr. 14.
Record-actuated photocomposing machine. H. B. Ackerman. 2,646,733, July 28.
Record adapter and automatic speed changer. H. B. Weingarden. 2,646,284, July 21.
Record apparatus and method. C. W. Helm, Jr. 2,663,050, Dec. 22.
Record card. J. F. Langan. 2,633,655, Apr. 7.
Record card. J. M. Winans. 2,624,597, Jan. 6.
Record card controlled sensing and printing means. A. W. Excell. 2,659,302, Nov. 17.
Record card counting, stacking, and conveying mechanism. F. M. Carroll. 2,642,787, June 23.
Record card punching and numbering machine. F. M. Carroll. 2,645,994, July 21.
Record card, Visible index. W. F. Block. 2,632,448, Mar. 24.
Record card with selective conductive marks. W. H. Wolowitz. 2,634,911, Apr. 14.
Record changer. G. E. Redfield. 2,643,128, June 23.
Record changer. D. H. Smith. 2,640,703, June 2.
Record changer. E. J. Sperber. 2,657,061, Oct. 27.
Record changer apparatus. F. B. Burt. 2,648,541, Aug. 11.
Record changer, Automatic. B. R. Carson. 2,629,603, Feb. 24.
Record changer for phonographs. A. M. Kasnowich. 2,634,984, Apr. 14.
Record changer for various record sizes, Automatic. D. T. Dobrogowski, R. M. Roen, and R. H. Jones. 2,662,772, Dec. 15.
Record changer head. W. Miller and J. L. D. Morrison. 2,651,524, Sept. 8.
Record changer head and tone arm assembly. W. Miller and J. L. D. Morrison. 2,645,497, July 14.
Record changer mechanism. R. A. Becwar. 2,640,704, June 2.
Record changer, Phonograph. D. H. Mills and A. L. Knox. 2,661,216, Dec. 1.
Record changer, Phonograph. G. E. Redfield. 2,636,742, Apr. 28.
Record changing device. H. C. Habegger. 2,643,129, June 23.
Record changing mechanism for automatic phonographs. L. J. Andres. 2,630,323, Mar. 3.
Record changing mechanism for phonographs. H. J. Fortune and E. W. Mortimer. 2,650,831, Sept. 1.
Record controlled assembly jig. H. P. Luhn. 2,637,096, May 5.
Record controlled machine. C. D. Lake, L. A. Wilson, D. R. Platt, and B. M. Durfee. 2,658,682, Nov. 10.
Record controlled machine. O. B. Shafer. 2,624,459, Jan. 6.
Record-disk centering and clamping mechanism. E. A. Dietz. 2,634,134, Apr. 7.
Record element, Magnetizable. J. H. Rand, Jr. 2,640,647, June 2.
Record-erase head for magnetic recorders, Combined. P. Beer. 2,633,504, Mar. 31.
Record holder. C. B. Hirsch. 2,663,416, Dec. 22.
Record keeping machine and card units. J. L. Herzog. 2,662,528, Dec. 15.
Record lifting mechanism for automatic phonograph record players. E. J. Collins. 2,639,154, May 19.
Record member. K. S. Ferrin. 2,650,024, Aug. 25.
Record perforation analyzing mechanism. C. R. Manning. 2,624,511, Jan. 6.
Record player. D. P. Doncaster. 2,646,283, July 21.
Record player and changer. K. J. Gregg. 2,643,127, June 23.
Record player, Magnetic. M. Camras. 2,633,362, Mar. 31.
Record playing device. F. L. Bidinger. 2,661,217, Dec. 1.
Record playing mechanisms, Automatic phonograph. B. R. Carson. 2,634,135, Apr. 7.
Record punching machine and recording machine control by said punched record. T. J. Watson and S. Brand. 2,637,398, May 5.
Record sensing and data storage device. H. P. Luhn. 2,651,461, Sept. 8.
Record sensing device, Electromechanical. W. G. Paige. 2,636,676, Apr. 28.
Record sheet holder. F. A. Niemann and R. J. Koch. 2,630,121, Mar. 3.
Record speed adapter. G. S. Carbonneau. 2,634,133, Apr. 7.
Record storage cabinet. A. Wallach. 2,647,027, July 28.
Record storing and ejecting mechanism for phonographs. R. A. Mullaney. 2,652,257, Sept. 15.
Record tape magazine. F. H. Owens. 2,659,653, Nov. 17.
Record transducing system and guide structure, Magnetic. S. J. Begun. 2,658,762, Nov. 10.
Record turntable drive assembly. E. M. Manning. 2,647,408, Aug. 4.
Recorder. M. Alden. 2,655,427, Oct. 13.
Recorder, Circle diagram. V. A. Kinickij. 2,643,933, June 30.
Recorder, Color forming chemical reaction. W. F. Kozak. 2,631,918, Mar. 17.
Recorder drum for facsimile apparatus. M. Alden. 2,636,801, Apr. 28.
Recorder, Electrical. T. A. Rich. 2,663,610, Dec. 22
Recorder, Electrically operated. K. A. Cool, J. M. Hush, W. Ernst, and D. E. Bench. 2,648,591, Aug. 11.
Recorder, Engine data. C. M. Hathaway. 2,633,404, Mar. 31.
Recorder for statistical data, Magnetic spot. H. M. Fleming, Jr. 2,633,402, Mar. 31.
Recorder for use in missiles. P. M. Higgs. 2,635,033, Apr. 14.
Recorder, Freezing point. O. Barstow. 2,635,456, Apr. 21.
Recorder, Graphic. E. L. Benno. 2,659,651, Nov. 17.
Recorder, Graphic. D. N. MacDonald. 2,659,650, Nov. 17.
Recorder head. R. A. Isberg. 2,656,420, Oct. 20.
Recorder, Infrared computing. W. Jackson, Jr., and R. W. Foreman. 2,634,908, Apr. 14.
Recorder, Magnetic. M. Camras. 2,632,059, Mar. 17.
Recorder, Magnetic. M. Camras. 2,648,590, Aug. 11.
Recorder, Magnetic. C. N. Hickman. 2,648,589, Aug. 11.
Recorder, Magnetic. H. A. Howell and E. B. Offutt. 2,639,333, May 19.
Recorder, Magnetic sound. E. Keller. 2,645,494, July 14.
Recorder, Magnetic tape. N. M. Haynes. 2,652,204, Sept. 15.
Recorder, Multiple diagram-frame. G. Keinath. 2,639,964, May 26.
Recorder, Multiple-lead electrocardiograph. G. Gorham. 2,645,550, July 14.
Recorder, Multiple range. C. F. Salzman, Jr. 2,661,260, Dec. 1.
Recorder, Panoramic. H. Hurvitz. 2,632,036, Mar. 17.
Recorder, Pitching moment. A. R. Hoffmann and W. J. Crump. 2,630,709, Mar. 10.
Recorder, Polar chart. R. B. Watson. 2,647,813, Aug. 4.
Recorder, Portable. S. S. Haynes. 2,657,969, Nov. 3.
Recorder, Power-time. J. H. Andresen, Jr. 2,645,118, July 14.
Recorder, Prosthetic transfer. S. K. Avery. 2,648,130, Aug. 11.
Recorder, Radiation beam pattern. A. F. Bischoff. 2,651,963, Sept. 15.
Recorder-reproducer, Magnetic tape. E. N. Dingley, Jr. 2,656,419, Oct. 20.
Recorder, Speed. E. P. Jones. 2,663,609, Dec. 22.
Recorder, Speedgraph. E. C. Goodwin. 2,653,853, Sept. 29.
Recorder, Television. F. N. Gillette. 2,664,465, Dec. 29.
Recorder, Twisted loop magnetic. M. Camras. 2,647,750, Aug. 4.
Recorder, Valve lift. L. C. Smith. 2,658,812, Nov. 10.
Recorder, Wind direction. A. F. S. Musante. 2,643,932, June 30.
Recorder with automatic start-stop, Facsimile. F. A. Hester. 2,636,938, Apr. 28.
Recorder with retractable web-supporting means. G. Gorham. 2,646,337, July 21.
Recording and display device. S. F. Goodrich. 2,655,740, Oct. 20.

Recording and indicating apparatus, Graphical. E. Dalby. 2,648,915, Aug. 18.
Recording and reproducing apparatus, Sound. R. H. Dicke. 2,641,656, June 9.
Recording and reproducing apparatus, Sound. H. G. Foote and W. J. Moreland. 2,632,060, Mar. 17.
Recording and reproducing device, Magnetic. H. J. Harsant and T. F. Deucher. 2,658,952, Nov. 10.
Recording and reproducing displacements, Method and means for. L. E. de Neergaard. 2,628,539, Feb. 17.
Recording and reproducing head. B. B. Bauer and L. Gunter, Jr. 2,650,952, Sept. 1.
Recording and reproducing head, Magnetic. J. W. Gratian. 2,632,816, Mar. 24.
Recording and reproducing machine, Portable sound. F. L. Moore and W. A Roberts. 2,628,842, Feb. 17.
Recording and reproducing, Magnetic. O. Kornei. 2,631,855, Mar. 17.
Recording and reproducing sound. E. A. Pierre. 2,644,857, July 7.
Recording and reproducing sound system, Automatically controlled multitrack. A. Badmaleff. 2,633,055, Mar. 31.
Recording and translating device. J. V. Nelson. 2,645,495, July 14.
Recording apparatus. W. E. Dueringer. 2,631,917, Mar. 17.
Recording apparatus. S. E. Gamarekian. 2,639,209, May 19.
Recording apparatus. F. T. John and J. B. Cannon, Jr. 2,625,459, Jan. 13.
Recording apparatus. A. W. Metzner. 2,633,638, Apr. 7.
Recording apparatus. R. C. Ruhland. 2,625,458, Jan. 13.
Recording apparatus. H. L. Rusch. 2,660,509, Nov. 24.
Recording apparatus, Facsimile. R. G. Thompson. 2,646,518, July 21.
Recording apparatus for the reception of message characters. R. Hell. 2,656,240, Oct. 20.
Recording apparatus, High-speed multiplex. R. G. Thompson. 2,659,652, Nov. 17.
Recording apparatus, Magnetic. N. M. Haynes. 2,628,287, Feb. 10.
Recording apparatus, Magnetic. R. H. Watterlohn. 2,631,789, Mar. 17.
Recording apparatus, Spark stylus. H. T. Faus. 2,647,033, July 28.
Recording blank, Electric signal. H. R. Dalton. 2,664,044, Dec. 29.
Recording-completing cord and trunk circuits. R. B. Buchanan. 2,636,944, Apr. 28.
Recording decelerometer. A. F. Robertson and J. R. Tallackson. 2,639,210, May 19.
Recording device. G. F. Gardner. 2,644,738, July 7.
Recording device for cash registers, accounting machines, and the like. A. Klaar. 2,649,732, Aug. 25.
Recording device for concrete mixing drums. R. G. Osborne and R. O. Boykin. 2,658,731, Nov. 10.
Recording device, Image. E. A. Black. 2,633,054, Mar. 31.
Recording device, Time. A. Marchand. 2,646,334, July 21.
Recording dip of geological strata, Method and apparatus for. A. Wolf. 2,661,464, Dec. 1.
Recording disk clamping device. U. O. Hutton. 2,662,804, Dec. 15.
Recording electric signals, Means for. W. T. Crespinel. 2,632,815, Mar. 24.
Recording instrument pen mechanism. D. A. Young, L. J. Lunas, and J. C. Nycz. 2,626,201, Jan. 20.
Recording instrument, Production. N. R. Benham. 2,651,561, Sept. 8.
Recording machine, Time. A. L. Sprecker. 2,645,551, July 14.
Recording means of missile dispensing tubes of angle determining devices. T. O. Brandon. 2,641,521, June 9.
Recording mechanism, True negative total. H. M. Fleming. 2,645,417, July 14.
Recording method. E. W. Adams, Jr. 2,628,881, Feb. 17.
Recording method and apparatus. R. S. Schwartz. 2,662,803, Dec. 15.
Recording phenomena by means of standing waves, Method of and means for. J. L. Cloud and N. Marchand. 2,625,460, Jan. 13.
Recording plan position indicator. G. E. Valley, Jr. 2,637,846, May 5.
Recording rain gauge. S. E. Nothmann and B. Friedmann. 2,629,258, Feb. 24.
Recording-reproducing device, Magnetic. F. G. Buhrendorf. 2,658,114, Nov. 3.
Recording system. A. L. Holcomb. 2,639,965, May 26.
Recording system. R. F. Shea. 2,635,032, Apr. 14.
Recording system, Electric blood pressure. C. M. Hathaway, W. D. Tilton, Jr., and P. W. Schafer. 2,648,328, Aug. 11.
Recording system, Magnetic. B. Roberts. 2,653,819, Sept. 29.
Recording system, Remotely-controlled. R. Kobler. 2,650,951, Sept. 1.
Recording system with negative feedback system, Magnetic. M. J. Stolaroff. 2,634,335, Apr. 7.
Recording tape, Magnetic. L. B. Lueck. 2,654,681, Oct. 6.
Recording the order of finishing in contests, Means for. S. J. Samuels. 2,646,558, July 21.
Recovering calcium from a mixture of calcium hydride and magnesium oxide. P. P. Alexander. 2,656,268, Oct. 20.
Recovering chemicals from smelts obtained in pulping operation. K. R. Gray and H. L. Crosby. 2,656,244, Oct. 20.
Recovering chromates and vanadates from aqueous solution. T. S. Perrin and R. G. Banner. 2,628,154, Feb. 10.
Recovering lithium compounds from lithium minerals. A. V. Kroll. 2,662,809, Dec. 15.
Recovering lost circulation in drilling wells. A. L. Armentrout. 2,642,268, June 16.
Recovering lost circulation in drilling wells, Means and method of. A. L. Armentrout. 2,634,098, Apr. 7.
Recovering lost circulation in wells. A. L. Armentrout. 2,648,522, Aug. 11.
Recovering lost circulation occurring in productive strata in wells, Method of. A. L. Armentrout. 2,626,779, Jan. 27.
Recovering metallic oxides. O. Saladin, W. Schornstein, and W. Frey. 2,657,979, Nov. 3.
Recovering metals by gaseous reduction. W. K. Lewis. 2,638,414, May 12.
Recovering nickel and/or cobalt ammonium sulfate from solutions containing nickel and/or cobalt values. F. A. Forward. 2,647,820, Aug. 4.
Recovering nicotinic acid from solutions thereof in sulfuric acid. A. J. Martin. 2,648,668, Aug. 11.
Recovering oil from oil shale. J. W. Martin. 2,630,307, Mar. 3.
Recovering oxygenated organic compounds. F. J. Moore and H. V. Hess. 2,653,959, Sept. 29.
Recovering precious and base metals. A. Rizo-Patrón R. 2,658,827, Nov. 10.
Recovering protein from protein containing material. C. G. Eckers. 2,628,022, Feb. 10.
Recovering rosin. O. S. Eckhardt and I. E. Knapp. 2,642,425, June 16.
Recovering solvent from process steam. R. L. Greene. 2,655,468, Oct. 13.
Recovering sulfuric acid from mixtures thereof with pyridine monocarboxylic acid bisulfates. R. W. Dornte. 2,658,030, Nov. 3.
Recovering volatile flavoring material, Method and apparatus for. J. A. Cross. 2,625,505, Jan. 13.
Recovery and purification of oil soluble oxygenated compounds. F. G. Pearce. 2,645,655, July 14.
Recovery of acetic acid from aqueous acetic acid solutions by extractive distillation. G. A. R. Hartley. 2,651,604, Sept. 8.
Recovery of acetic acid from aqueous acetic acid solutions by extractive distillation. G. A. R. Hartley and C. O. Haughton. 2,651,605, Sept. 8.
Recovery of aconitic acid from its alkaline earth salts. S. M. Cantor. 2,640,852, June 2.
Recovery of aconitic acid from molasses. R. W. Liggett and E. L. Wimmer. 2,640,849–50, June 2.
Recovery of alcohols from direct hydration of olefins. E. W. Carrier. 2,648,711, Aug. 11.
Recovery of calcium magnesium aconitate from molasses. R. E. Miller. 2,640,851, June 2.
Recovery of cerebrosides. R. H. Sifferd. 2,637,726, May 5.
Recovery of chlortetracycline. C. Pidacks and E. E. Starbird. 2,655,535, Oct. 13.
Recovery of cu and ni from flotation concentrate. P. J. McGauley. 2,647,827, Aug. 4.
Recovery of cyclopentadiene. H. F. Johnson, Jr. 2,636,054, Apr. 21.
Recovery of cyclopentadiene. W. D. Spaulding and B. K. Wasserkrug. 2,626,285, Jan. 20.
Recovery of cyclopentadiene and methyl cyclopentadiene from cracked petroleum. T. G. Jones. 2,636,056, Apr. 21.
Recovery of dialkyl amides from polyacrylonitrile spinning baths. J. R. Caldwell. 2,649,481, Aug. 18.
Recovery of elemental sulfur in liquid form from gases containing hydrogen sulfide and the conversion of the liquid sulfur into solidified flakes. E. B. Miller. 2,630,374, Mar. 3.
Recovery of erythritols. C. M. Himel and L. O. Edmonds. 2,634,299, Apr. 7.
Recovery of fat from fat containing material. I. H. Chayen. 2,635,104, Apr. 14.
Recovery of fatty acid values from aqueous liquids containing such values. F. S. Gibbs. 2,637,737, May 5.
Recovery of fatty acids. E. N. Mortenson. 2,645,651, July 14.
Recovery of glucuronolactone. D. G. Benjamin and S. W. Kapranos. 2,627,520, Feb. 3.
Recovery of heavy metals. J. M. Brooke. 2,653,089, Sept. 22.
Recovery of hydrocarbons. S. F. Magor and R. A. Daugherty. 2,662,049, Dec. 8.
Recovery of hydrocarbons. C. E. ZoBell. 2,641,566, June 9.
Recovery of hydrogen cyanide. L. R. Drake, S. C. Stowe, and K. F. Broucek. 2,634,823–5, Apr. 14.
Recovery of lower acid anhydrides by distillation. D. C. Hull and W. R. Saunders. 2,663,681, Dec. 22.
Recovery of manganese. R. A. Schoenlaub. 2,634,204, Apr. 7.

Recovery of metals from metallurgical slag. L. J. Lichty. 2,653,868, Sept. 29.
Recovery of Ni from ammonia liquors. P. J. McGauley. 2,647,828, Aug. 4.
Recovery of nitroform from a reaction mixture containing nitric acid and nitroform. G. A. Wetterholm and E. L. Nilsson. 2,658,084, Nov. 3.
Recovery of organic oxygen-containing compounds from mixtures of hydrocarbon oils. H. J. Hibshman. 2,626,276, Jan. 20.
Recovery of organic oxygenated compounds. V. F. Michael. 2,652,415, Sept. 15.
Recovery of oxygen compounds from Fischer-Tropsch product. H. W. Fleming. 2,653,961, Sept. 29.
Recovery of oxygenated organic compounds. J. S. Cromeans. 2,664,434, Dec. 29.
Recovery of oxytetracycline. P. P. Regna, R. A. Carboni, and A. E. Timreck. 2,649,480, Aug. 18.
Recovery of phenol from extracts. O. Morfit. 2,655,462, Oct. 13.
Recovery of platinum. H. Holzmann. 2,648,393, Aug. 11.
Recovery of potassium from sea water and saline aqueous solutions. E. Q. Berner and J. Kielland. 2,659,656, Nov. 17.
Recovery of precious metal values. R. E. Byler and R. C. Dunn. 2,648,601, Aug. 11.
Recovery of pure paraxylene. J. D. Booker. 2,651,665, Sept. 8.
Recovery of seaweed mucilage. V. C. E. Le Gloahec. 2,624,727, Jan. 6.
Recovery of selenium. D. J. Hadley and R. Heap. 2,645,664, July 14.
Recovery of spent liquors from the cooking of cellulose from raw material containing silica. B. H. E. Gruen. 2,628,155, Feb. 10.
Recovery of sulfur from gases. K. E. Leutz. 2,641,527, June 9.
Recovery of sulfur from sulfur-contaminated metallic catalysts. F. W. B. Porter and R. P. Northcott. 2,643,939, June 30.
Recovery of useful product from spent doctor. J. B. Holtzclaw. 2,655,483, Oct. 13.
Recovery of useful product from spent doctor. J. B. Holtzclaw and J. D. Brooks. 2,655,482, Oct. 13.
Recovery of vitamin B_{12}. K. J. Brunings, R. J. Feeney, and I. A. Solomons, III. 2,631,964, Mar. 17.
Recovery of vitamin B_{12} with monohalophenols. J. R. D. McCormick and S. A. Muller. 2,643,968, June 30.
Recovery of waxes from shale oil. J. W. Horne and P. R. Tisot. 2,642,380, June 16.
Recreation table. W. D. Coe. 2,662,583, Dec. 15.
Recrystallizing or restabilizing oriented amorphous rubber hydrochloride film. L. Peters. 2,660,761, Dec. 1.
Rectal applicator and dilator. J. F. Reilly. 2,631,586, Mar. 17.
Rectal spray depurator bulb with siphon. C. H. W. Kahl. 2,660,170, Nov. 24.
Rectification column. W. W. Paget. 2,633,717, Apr. 7.
Rectification of gaseous mixtures. M. Benedict. 2,627,731, Feb. 10.
Rectification of mixed gases. J. A. Hüfnagel. 2,648,205, Aug. 11.
Rectifier. S. Benzer and K. Lark-Horovitz. 2,646,536, July 21.
Rectifier. G. Tumulo. 2,637,771, May 5.
Rectifier and phase detector, Bidirectional. H. C. Lehde. 2,658,996, Nov. 10.
Rectifier assembly, Dry. S. H. Marrow. 2,651,745, Sept. 8.
Rectifier balancing circuit. J. E. Hawkins and R. S. Finn. 2,647,207, July 28.
Rectifier for electric machines, Rotating. M. W. Brainard. 2,634,379, Apr. 7.
Rectifier, Mechanical. F. Koppelmann and H. Böhm. 2,651,750, Sept. 8.
Rectifier of the contact type, Electric. A. H. Beck, A. B. Cutting, and A. D. Brisbane. 2,631,191, Mar. 10.
Rectifier-powered equipment. L. J. Hibbard. 2,636,997, Apr. 28.
Rectifier-powered vehicle. L. J. Hibbard. 2,653,287, Sept. 22.
Rectifier stack. P. T. O'Neil. 2,657,344, Oct. 27.
Rectifier stack. A. S. Vanderhoof. 2,652,522, Sept. 15.
Rectifier tube and system. P. M. G. Toulon. 2,650,318, Aug. 25.
Rectifying arrangement. G. H. Pohm. 2,634,392, Apr. 7.
Recumbent shower bath. K. P. Willis. 2,659,899, Nov. 24.
Recurrent process controller. E. H. C. Brown and I. Lefkowitz. 2,641,316, June 9.
Red pepper compositions and producing the same, Color-stable. L. O. Van Blaricom and J. A. Martin. 2,650,883, Sept. 1.
Red unhydrated iron oxide, Producing. D. W. Marsh. 2,633,407, Mar. 31.
Reducing and enlarging machine for draftsman and designers. C. H. Wrobel. 2,645,016, July 14.
Reducing contaminants on finely divided catalyst. W. O. Taft and R. L. Hardy. 2,651,600, Sept. 8.
Reducing elbow. G. A. Gaum. 2,654,619, Oct. 6.
Reducing esters of arsonic acids. H. S. Isbell. 2,632,005, Mar. 17.
Reducing ferrous chloride in liquid form to elemental iron, Process and apparatus for. F. M. Darner and C. C. Walters. 2,664,352, Dec. 29.
Reducing ferrous chloride in the gaseous phase with hydrogen to produce metallic iron. H. L. Crowley, M. E. Graham, and E. A. Beidler. 2,663,633, Dec. 22.
Reducing iron oxides. N. J. Urquhart and C. A. Rider. 2,654,669, Oct. 6.
Reducing nitro compounds. J. Werner. 2,631,167, Mar. 10.
Reducing ores. B. M. S. Kalling, E. L. Améen and J. L. Stålhed. 2,635,957, Apr. 21.
Reducing steroid ketones to their corresponding methylene analogs. H. Minlon. 2,648,686, Aug. 11.
Reducing the acidity of nitric acid-calcium nitrate compositions containing phosphate ions. R. B. Calmeyer. 2,656,266, Oct. 20.
Reducing the density of aerogels and similar materials. W. M. Davis. 2,660,564, Nov. 24.
Reducing valve. C. E. Adams and E. H. Born. 2,654,975, Oct. 13.
Reduction drive useful for Venetian blinds. G. C. Lawson. 2,641,145, June 9.
Reduction of aromatic nitrogen compounds. A. W. Sogn. 2,645,636, July 14.
Reduction of carbon formation in hydrocarbon synthesis. C. H. Holder. 2,628,968, Feb. 17
Reduction of cobalt chloride, Low-temperature. E. A. Beidler. 2,642,357, June 16.
Reduction of fatty esters. J. Blinka and H. J. Peddicord. 2,647,932, Aug. 4.
Reduction of iron ores. A. G. Oppegaard. 2,663,632, Dec. 22.
Reduction of metal oxides. T. Lindsley and L. J. Lichty. 2,653,867, Sept. 29.
Reduction of nickel chloride, Low-temperature. E. A. Beidler. 2,642,356, June 16.
Reduction of nitroolefins. J. B. Tindall. 2,636,901, Apr. 28.
Reduction of noise and shock in power pumps. W. Ferris. 2,661,695, Dec. 8.
Reduction of noise in transmission systems. D. A. Quarles. 2,632,101, Mar. 17.
Reduction of oxides. H. E. Tschop, J. E. Carter, and C. B. Goodrich. 2,663,631, Dec. 22.
Reduction of phase distortion. D. H. Ring. 2,629,772, Feb. 24.
Reduction of phase distortion. D. H. Ring. 2,629,782, Feb. 24.
Reduction of quinone compounds. I. Von. 2,660,580, Nov. 24.
Reduction of steroid ketones with alkali metal borohydride. R. P. Graber and N. L. Wendler. 2,628,966, Feb. 17.
Reduction of the angle-modulation of amplitude-modulated oscillations. E. M. Leyton. 2,664,545, Dec. 29.
Reductive process for preparing pteroyl-glutamic acid. H. Kirchensteiner, H. Klaeui, and H. Lindlar. 2,658,896, Nov. 10.
Reed for electric protection, Movable. W. A. Blanchard. 2,642,900, June 23.
Reed for textile purposes and making same. M. M. Taylor. 2,643,684, June 30.
Reed organ wind supply. J. Robotti. 2,650,514, Sept. 1.
Reed tester. M. Maccaferri. 2,649,708, Aug. 25.
Reel: *See*—

Advancing reel.	Hydraulic reel.
Antibacklash fishing reel.	Magazine stock reel.
Automatic fishing reel.	Mechanical reel.
Casting reel.	Multistage reel.
Clothesline reel.	Oxygen acetylene hose reel.
Compression type endless film reel.	Self-winding and self-transporting reel.
Control line reel.	Single-action spinning reel.
Crop pickup reel.	Solenoid controlled cord reel.
Double cone reel.	Spinning and fly reel.
Dual spring take-up reel.	Stock reel.
Fishing line drying reel.	Surf casting fishing reel.
Fishing line leader reel.	Tension control reel.
Fishing line washing and drying reel.	Thread advancing reel.
Fishing reel.	Thread or the like winding and advancing reel.
Garden hose reel.	Thread processing reel.
Gathering reel.	Thread reel.
Harvesting reel.	Thread storage reel.
Hose reel.	
Hot strip furnace reel.	

Reel. G. F. Bourne and W. E. Kennedy. 2,643,073, June 23.
Reel and tightener, Clothesline. W. M. Dunnock. 2,626,763, Jan. 27.
Reel apparatus for forming coils of cable. O. R. Weber. 2,662,701, Dec. 15.
Reel arbor lock. C. O. Bruestle. 2,662,702, Dec. 15.
Reel arm adapter. E. A. Beacom, V. N. Sacklyn, and A. Talamanco. 2,645,430, July 14.
Reel construction, Film. J. F. Herrmann and W. A. Gilbert. 2,663,513, Dec. 22.
Reel construction, Fishing. S. G. Hirsch. 2,646,939, July 28.
Reel controlling apparatus for cable reels of mine cars. J. W. Woolf. 2,655,567, Oct. 13.
Reel device, Film. N. J. Randazzo. 2,639,915, May 26.
Reel drive and control mechanism. R. T. Hair. 2,639,101, May 19.
Reel driving and control mechanism. J. W. Woolf 2,639,336, May 19.

Reel end alarm. J. Favre. 2,656,816, Oct. 27.
Reel for cable coil, Field. C. J. Beneke. 2,649,260, Aug. 18.
Reel for clothesline covers. H. Wodzanowski. 2,643,074, June 23.
Reel for electric cords or the like, Weatherproof. D. Benjamin. 2,647,960, Aug. 4.
Reel for fishing rods, Attachable. H. R. Freeman. 2,659,544, Nov. 17.
Reel for gathering low lying crop. G. T. Greene. 2,639,570, May 26.
Reel for leashes. A. P. Hayes. 2,647,703, Aug. 4.
Reel for magnetic wire recorders, Wire. H. L. Rumsey and M. C. Abbott. 2,641,420, June 9.
Reel for motion-picture projectors, Film. R. S. Yeats. 2,661,210, Dec. 1.
Reel for strip material. H. Fagg and G. Starrett. 2,625,339, Jan. 13.
Reel having means for engaging the convolutions of a thread wound thereon, Thread processing. H. A. Kuljian. 2,645,919, July 21.
Reel holder for barbed wire. L. A. Therrien. 2,664,253, Dec. 29.
Reel mechanism. J. E. Erhardt, Jr. 2,663,512, Dec. 22.
Reel mower. R. D. Clemson. 2,660,018, Nov. 24.
Reel-receiving fishing rod handle. R. D. Colmery. 2,628,446, Feb. 17.
Reel reversing drive. J. L. Clough. 2,646,229, July 21.
Reel seat. P. W. Phillipson. 2,630,647, Mar. 10.
Reel seat. P. W. Phillipson. 2,656,639, Oct. 27.
Reel sled for cable. I. G. Stemm and D. H. Zwight. 2,635,827, Apr. 21.
Reel-slitting and rewinding machine. M. Schneider. 2,635,824, Apr. 21.
Reel stand. C. F. Van Hook. 2,624,522, Jan. 6.
Reel structure for shortening wire cords. J. E. Neely. 2,656,991, Oct. 27.
Reel traverse. G. G. Tucker, Jr. 2,652,992, Sept. 22.
Reel unit, Clothesline. W. F. Albers. 2,650,041, Aug. 25.
Reeling machine, Silk. G. S. Beckman. 2,644,200, July 7.
Reeling mechanism for power conductors. C. F. Ball. 2,639,102, May 19.
Reeling rods. A. W. Strachan. 2,658,012, Nov. 3.
Re-entrant wave guide coupling device. C. E. Vogeley, Jr. and W. L. Stahl. 2,632,805, Mar. 24.
Refacing tool. G. J. Smoleny. 2,637,894, May 12.
Reference-junction compensator for thermocouple pyrometers. A. J. Wohlgemuth. 2,662,406, Dec. 15.
Refill unit for ball point pens. P. R. Kuhn. 2,643,639, June 30.
Refill unit for ball-point pens. S. G. Lipic. 2,652,032, Sept. 15.
Refill unit for blade magazines. J. Muros. 2,639,030, May 19.
Refined fats and oils, Producing. E. M. Frankel. 2,646,438, July 21.
Refiner apparatus. L. M. Sutherland. 2,654,295, Oct. 6.
Refiner liner construction, Rotary. E. P. Arpin, Jr. and R. P. Frye. 2,631,505, Mar. 17.
Refiner, Rotary. E. P. Arpin, Jr. 2,649,718, Aug. 25.
Refiner, Rotary. E. P. Arpin, Jr. and R. P. Frye. 2,631,504, Mar. 17.
Refiner, Rotary. E. P. Arpin, Jr., and R. P. Frye. 2,649,717, Aug. 25.
Refining and bleaching of sugar cane wax. H. H. Hatt, P. H. A. Strasser, and W. J. Troyahn. 2,640,841, June 2.
Refining and purifying fats and higher fatty acids. I. Taussky. 2,654,766, Oct. 6.
Refining and stabilizing waxes. S. F. Perry and R. M. Bailly. 2,658,856, Nov. 10.
Refining blender. H. J. Shelton, Jr., and L. D. Smiley. 2,656,119, Oct. 20.
Refining chlorinated benzenes. D. L. Hanna and B. O. Strom. 2,653,904, Sept. 29.
Refining fatty oils. G. H. Palmer. 2,658,907, Nov. 10.
Refining hydrocarbon oils. G. R. Bond, Jr. 2,642,382, June 16.
Refining hydrocarbon resins. R. J. Lee and P. D. May. 2,656,303, Oct. 20.
Refining sour hydrocarbon oils. J. H. Krause and R. H. Brown. 2,663,674, Dec. 22.
Refining vessel draw-off system. A. L. Sawyer. 2,661,093, Dec. 1.
Reforming hydrocarbons in the presence of a platinum or palladium catalyst. K. T. Hartwig. 2,643,214, June 23.
Refining of distillates with sulfuric acid and SO_2Cl_2. J. H. Krause. 2,651,596, Sept. 8.
Refining of fatty oils, especially vegetable oils. S. F. N. Bierke. 2,657,224, Oct. 27.
Refining of glyceride oils. B. Clayton. 2,641,603, June 9.
Refining of long chain aliphatic alcohols. R. V. Green and E. P. Jensen. 2,646,394, July 21.
Refining of starch. F. J. Fontein. 2,642,185, June 16.
Refining of vegetable and animal oils. D. W. Dron and F. A. Lindsey, Jr. 2,644,004, June 30.
Refining oils. R. M. Kennedy and A. Schneider. 2,639,260, May 19.
Refining oils. R. M. Kennedy and A. Schneider. 2,639,262, May 19.
Refining oils with "versene." E. M. James. 2,638,476, May 12.
Refining petroleum products. A. Gislon and J. Quiquerez. 2,659,691, Nov. 17.
Refining steel with pure oxygen. H. Hauttmann 2,644,746, July 7.
Refining wool fat. H. J. Passino and J. M. Meyers. 2,649,466, Aug. 18.
Reflecting light ray screen system. C. H. Van Orden. 2,625,852, Jan. 20.
Reflecting surface for incandescent lamps. P. H. Mitchell. 2,636,143, Apr. 21.
Reflection plotting device. C. W. Sherwin. 2,655,836, Oct. 20.
Reflective marker. W. L. Morser. 2,625,130, Jan. 13.
Reflector for controlling at a predetermined angle direct and indirect rays from a light source. S. McCandless. 2,640,148, May 26.
Reflector mounting structure. G. A. Haraden. 2,638,534, May 12.
Reflex oscillator tube. R. L. Norton. 2,632,863, Mar. 24.
Reflex velocity modulated discharge device. E. G. Linder. 2,651,000, Sept. 1.
Reforming and catalysts therefor. W. H. Lang and C. L. Gutzeit. 2,645,605, July 14.
Reforming catalyst and preparing the same. L. C. Drake and R. L. Smith. 2,658,931, Nov. 10.
Reforming of hydrocarbons. R. M. Kennedy. 2,635,123, Apr. 14.
Reforming of hydrocarbons boiling within the gasoline range utilizing a platinum-alumina-halide catalyst. M. W. Cox. 2,642,384, June 16.
Reforming process and catalyst. F. G. Ciapetta. 2,651,598, Sept. 8.
Refortification of aluminum halide-hydrocarbon complex catalyst. J. L. Groebe. 2,655,484, Oct. 13.
Refractometer with fixed viewing system and prism. A. Vieweg. 2,633,052, Mar. 31.
Refractometer with plurality of scales. G. Hansen. 2,633,053, Mar. 31.
Refractor and luminaire using the same, Light controlling. T. W. Rolph and K. Franck. 2,648,763, Aug. 11.
Refractories and their preparation, Unfired. H. F. West and J. H. Veale. 2,660,536, Nov. 24.
Refractory. H. O. Knuffmann and J. F. Whalen, Jr. 2,662,825, Dec. 15.
Refractory and its manufacture. H. F. West and J. H. Veale. 2,660,533, Nov. 24.
Refractory and its manufacture, Bonded. H. F. West and J. H. Veale. 2,660,537, Nov. 24.
Refractory articles, Manufacture of. A. E. Williams. 2,636,244, Apr. 28.
Refractory bonding material, Preparing. L. W. Austin and J. C. Hicks. 2,628,915, Feb. 17.
Refractory brick, Unburned. R. P. Heuer. 2,656,279, Oct. 20.
Refractory carbide and nitride product and making. K. C. Nicholson. 2,636,825, Apr. 28.
Refractory furnace roof brick resistant to spalling. R. P. Heuer and M. A. Fay. 2,652,793, Sept. 22.
Refractory lining. R. F. Willis. 2,631,836, Mar. 17.
Refractory masses and batch, Making. F. E. Lathe. 2,647,062, July 28.
Refractory material and process. P. Lanser and N. Skalla. 2,636,827, Apr. 28.
Refractory metal tubes, Manufacture of. J. W. Marden. 2,652,623, Sept. 22.
Refractory product. L. W. Austin and J. D. Isaacs. 2,628,088, Feb. 10.
Refractory tube. L. H. Milligan and O. J. Whittemore, Jr. 2,640,503, June 2.
Refrigerant expansion valve. H. T. Lange. Re. 23,706, Sept. 1.
Refrigerant plate. H. W. Kleist. 2,638,754, May 19.
Refrigerant testing system. F. R. Eck. 2,641,929, June 16.
Refrigerant transfer in refrigeration system, Liquid. H. Sloan and E. J. Kocher. 2,655,008, Oct. 13.
Refrigerated bait box. G. F. Lastofka. 2,631,402, Mar. 17.
Refrigerated beverage dispenser. R. R. Hull. 2,629,236, Feb. 24.
Refrigerated compartmentalized vehicle. J. P. Wehby. 2,633,714, Apr. 7.
Refrigerated dispenser. C. C. Smith. 2,638,395, May 12.
Refrigerated display case. H. O. Johnson. 2,640,330, June 2.
Refrigerated display case. V. C. Knight. 2,657,545, Nov. 3.
Refrigerated display case. A. J. Kopp and J. R. Boyle. 2,632,310, Mar. 24.
Refrigerated display case. A. S. Levin. 2,627,728, Feb. 10.
Refrigerated display case. H. A. Morris. 2,660,864, Dec. 1.
Refrigerated multiple shelf display case. M. H. Strang. 2,630,684, Mar. 10.
Refrigerated storage, dispensing, and display cabinet. J. A. Gslazzi, W. D. Jordan, and P. D. Van Vliet. 2,637,178, May 5.
Refrigerated table for microtomes. C. R. Turner. 2,629,230, Feb. 24.
Refrigerating apparatus. A. Alison and R. Atherton. 2,657,550, Nov. 3.
Refrigerating apparatus. H. L. Davies. 2,663,604, Dec. 22.

Refrigerating apparatus. W. W. Higham. 2,628,016, Feb. 10.
Refrigerating apparatus. G. R. Ohmart. 2,629,544, Feb. 24.
Refrigerating apparatus. L. A. Philipp. 2,627,729, Feb. 10.
Refrigerating apparatus. J. E. Woods. 2,636,357, Apr. 28.
Refrigerating apparatus and cabinet structure. E. L. Hart. 2,659,213, Nov. 17.
Refrigerating apparatus for transportation devices. F. W. Smith. 2,664,000, Dec. 29.
Refrigerating apparatus having means for preventing condensation. J. R. Febr. 2,632,313, Mar. 24.
Refrigerating apparatus having means for preventing condensation of moisture on the door. C. D. Harris and J. R. Prosek. 2,651,187, Sept. 8.
Refrigerating apparatus, Modulating. D. F. Alexander. 2,637,175, May 5.
Refrigerating apparatus, Open top display. M. W. Baker. 2,661,604, Dec. 8.
Refrigerating apparatus with defrosting mechanism. W. E. Daisy. 2,624,179, Jan. 6.
Refrigerating apparatus with hot gas defrosting means. H. Malkoff and O. J. Nussbaum. 2,637,983, May 12.
Refrigerating coil mounting in cabinet. R. L. Elchhorn. 2,654,231, Oct. 6.
Refrigerating freight car unit, Self-contained. H. W. Kleist. 2,635,432, Apr. 21.
Refrigerating jacket. S. Lee. 2,629,988, Mar. 3.
Refrigerating storage apparatus. H. D. Haywood. 2,644,317, July 7.
Refrigerating system. H. J. Matteson. 2,632,305, Mar. 24.
Refrigerating system. V. W. Smith. 2,658,357, Nov. 10.
Refrigerating system for multiple-compartment refrigerators. F. A. Schumacher. 2,637,176, May 5.
Refrigerating system, Injector type. E. A. Weaver. 2,633,007, Mar. 31.
Refrigerating system, Multitemperature. G. Muffly. 2,641,109, June 9.
Refrigerating unit mounting. R. W. Doeg. 2,638,753, May 19.
Refrigeration and air conditioning equipment. W. G. Durant. 2,660,865, Dec. 1.
Refrigeration apparatus. G. S. McCloy. 2,645,094, July 14.
Refrigeration apparatus, Absorption. K. G. Boren. 2,635,438, Apr. 21.
Refrigeration apparatus and method. R. H. Bishop. 2,641,111, June 9.
Refrigeration apparatus, Dual evaporator. C. F. Alsing. 2,640,327, June 2.
Refrigeration control mechanism. E. F. Dickieson, Jr. 2,626,506, Jan. 27.
Refrigeration controlling valve. E. J. Dillman. 2,657,861, Nov. 3.
Refrigeration evaporator. F. A. Schumacher. 2,663,161, Dec. 22.
Refrigeration machine. C. D. Russell. 2,637,981, May 12.
Refrigeration, Method of and apparatus for. E. W. Zearfoss, Jr. 2,628,478, Feb. 17.
Refrigeration method of recovering hydrocarbons from gas mixtures. W. Swerdloff. 2,627,318, Feb. 3.
Refrigeration of fish. P. M. Garnier. 2,628,483, Feb. 17.
Refrigeration of railroad cars, Method and system for. R. D. Pike. 2,641,110, June 9.
Refrigeration system, Adsorption. G. A. Grubb. 2,648,204, Aug. 11.
Refrigeration system containing novel refrigerant. W. H. Reed and W. A. Pennington. 2,630,686, Mar. 10.
Refrigeration system, Continuous absorption. J. Buchel. 2,653,454, Sept. 29.
Refrigeration system, Defrostable. E. W. Zearfoss, Jr. 2,627,730, Feb. 10.
Refrigeration system for delivery trucks. W. Ryan, Jr. and A. C. Ratermann. 2,636,356, Apr. 28.
Refrigeration system for vehicles. JB Johnson. 2,655,009, Oct. 13.
Refrigeration system having plural evaporators operable at different temperatures, Absorption. H. M. Ullstrand. 2,635,437, Apr. 21.
Refrigeration system, including means for placing steam condensate and weak solution in heat exchange relation, Absorption. A. A. Berestneff. 2,648,957, Aug. 18.
Refrigeration system, Jet pump. E. P. Neumann and F. Lustwerk. 2,658,356, Nov. 10.
Refrigeration system of the inert gas type, Absorption. S. M. Backstrom. 2,645,908, July 21.
Refrigeration system, Plural expansion. H. T. Chappelle. 2,636,358, Apr. 28.
Refrigeration system with multiple fluid heat transfer. C. Boling. 2,658,358, Nov. 10.
Refrigeration unit for vehicles using ice for condensing volatile refrigerants, Compact. R. T. Brizzolara. 2,651,183, Sept. 8.
Refrigeration unit, Nonreciprocating. W. P. Austin. 2,637,174, May 5.
Refrigeration unit, Truck. R. D. Acton. 2,630,687, Mar. 10.
Refrigeration using conjugate solutions. L. E. Mills. 2,638,760, May 19.
Refrigerator air circulation control. J. B. Tucker. 2,625,017, Jan. 13.
Refrigerator and deep freezer system. B. Katzenberger. 2,658,355, Nov. 10.
Refrigerator apparatus. N. Achs. 2,655,419, Oct. 13.
Refrigerator breaker strip assembly. G. C. Harbison. 2,662,254, Dec. 15.
Refrigerator cabinet. E. D. Drake. 2,634,879, Apr. 14.
Refrigerator cabinet. C. Milliman. 2,663,916, Dec. 29.
Refrigerator cabinet. C. G. Minor. 2,649,699, Aug. 25.
Refrigerator-cabinet defrosting. G. Muffly. 2,641,112, June 9.
Refrigerator cabinet structure. F. R. Eck. 2,660,505, Nov. 24.
Refrigerator car. P. Talmey. 2,642,818, June 23.
Refrigerator car bracing panel system. W. G. Koch. 2,629,338, Feb. 24.
Refrigerator condensing unit cooler. J. Dyer. 2,655,795, Oct. 20.
Refrigerator construction. L. S. Cooper. 2,660,037, Nov. 24.
Refrigerator construction. R. E. Moore. 2,625,291, Jan. 13.
Refrigerator construction. J. Poth 2,628,388, Feb. 17.
Refrigerator construction, Portable. B. A. Thomaras. 2,642,728, June 23.
Refrigerator control. C. S. Grimshaw. 2,627,561, Feb. 3.
Refrigerator door gasket. E. T. Morton. 2,636,228, Apr. 28.
Refrigerator door with a compartment. L. H. Hinkel. 2,656,688, Oct. 27.
Refrigerator employing secondary refrigeration system. H. M. Ullstrand. 2,663,159, Dec. 22.
Refrigerator gasket. H. G. Beck. 2,659,940–1, Nov. 24.
Refrigerator having door operated valve means. L. O. Moore. 2,660,036, Nov. 24.
Refrigerator having refrigerant cooled liner. L. A. Philipp. 2,639,592, May 26.
Refrigerator, High-humidity. W. L. Morrison. 2,626,509, Jan. 27.
Refrigerator, Hot gas engine. C. O. Jonkers and J. W. L. Köhler. 2,657,552, Nov. 3.
Refrigerator, Household. C. F. Alsing. 2,663,999, Dec. 29.
Refrigerator ice mold. E. F. Chase. 2,629,987, Mar. 3.
Refrigerator insulation. R. E. Deutgen. 2,639,593, May 26.
Refrigerator, Multitemperature. W. D. Jordan. 2,633,003, Mar. 31.
Refrigerator, Open front self-service. P. H. Brinkoeter. 2,625,799, Jan. 20.
Refrigerator, Round. L. E. Spotts. 2,638,400, May 12.
Refrigerator tank. H. C. Bergmann. 2,629,228, Feb. 24.
Refrigerator, Two-temperature. L. A. Philipp. 2,645,909, July 21.
Refrigerator with automatic defrosting, Two-temperature. E. W. Zearfoss, Jr. 2,647,375, Aug. 4.
Refrigerator with defrosting arrangement. F. R. Carlsson. 2,647,376, Aug. 4.
Refrigerator with rotatable shelf. S. Babiskin. 2,655,421, Oct. 13.
Refuse handling apparatus. A. Calcagno. 2,643,014, June 23.
Refuse packaging receptacle. R. C. Mattson. 2,645,071, July 14.
Refuse receiver, Cigar or cigarette. J. H. Wily. 2,631,752, Mar. 17.
Refuse receptacle holder. E. F. Bennett and O. Jarvis. 2,657,001, Oct. 27.
Regenerating cobalt catalysts by oxidation. E. A. Naragon, J. H. Vergilio, and A. J. Millendorf. 2,626,246, Jan. 20.
Regenerating electrolytic polishing solutions. H. F. Walton. 2,645,635, July 14.
Regenerating ion exchangers, Process of and apparatus for. M. E. Gilwood. 2,628,194, Feb. 10.
Regeneration of a Fischer-Tropsch reduced iron catalyst. W. C. Lanning. 2,661,338, Dec. 1.
Regeneration of a platinum-containing catalyst. V. Haensel. 2,641,582, June 9.
Regeneration of hydrocarbon synthesis catalyst by treatment with ethanol. M. B. Kratzer. 2,632,015, Mar. 17.
Regeneration of hydrocarbon synthesis catalysts. C. W. Watson. 2,635,110, Apr. 14.
Regeneration of ion exchangers. B. A. Sard. 2,628,191, Feb. 10.
Regeneration of selective hydrogenation catalyst. L. J. Blatz and R. C. Brandon. 2,664,404, Dec. 29.
Regeneration of solid adsorbents. S. Eagle and J. W. Scott, Jr. 2,628,933, Feb. 17.
Regeneration of spent pickle liquor and recovery of ferrous sulfate monohydrate. J. A. Shaw. 2,662,812, Dec. 15.
Regenerative steam power plant in which an extraction turbine supplies steam to desuperheaters which serve to heat feed water. R. C. Powell. 2,643,519, June 30.
Regenerative tracking apparatus. A. A. Lundstrom and W. A. Malthaner. 2,658,677, Nov. 10.
Regenerator and precooler for gas turbine cycles, Combined. S. Holm. 2,650,073, Aug. 25.
Regenerator apparatus for fluidizable solid materials. J. W. Packie. 2,662,813, Dec. 15.
Register. H. S. Hermanson and F. D. Joesting. 2,630,057, Mar. 3.
Register apparatus for producing manifolded business records. W. D. Winders. 2,656,198–9, Oct. 20.
Register, Ball controlled. S. Branner. 2,631,780, Mar. 17.

Register, Bottle. F. L. Thompson and J. T. Logue. 2,634,055, Apr. 7.
Register, Cash. M. Demeulenaere. 2,657,854, Nov. 3.
Register, Cash. J. Sobisch. 2,662,688, Dec. 15.
Register control. K. A. Spearing. 2,638,158, May 12.
Register controller, Multipotential type. G. Deakin. 2,654,000, Sept. 29.
Register, Degree-day. E. D. Hidy. 2,652,724, Sept. 22.
Register, Dual wall. L. L. Smith and J. J. Gennari. 2,657,625, Nov. 3.
Register for meters. F. C. Amsbary, Jr., and S. G. Moore. 2,650,026, Aug. 25.
Register frame. R. C. Lingelbach. 2,661,677, Dec. 8.
Register having a check wheel connected for operation thereby. C. A. S. Hamelink. 2,656,108, Oct. 20.
Register, Hot-air. L. A. Whitehead. 2,639,655, May 26.
Register, Multiple autographic. E. A. Laskey. 2,643,114, June 23.
Register outlet for warm air house-heating systems. J. R. MacDowell. 2,663,244, Dec. 22.
Register selecting mechanism for accounting machines. W. A. Anderson. 2,642,222, June 16.
Register sender, Dual-use. F. H. Bray, M. T. Wilson, D. H. Ormrod, and S. G. W. Johnstone. 2,651,680, Sept. 8.
Register system for receiving several codes. H. L. Lesigne. 2,662,935, Dec. 15.
Registering chamber magazine handle. R. Stettler. 2,629,413, Feb. 24.
Registering device. J. P. Fay. 2,628,556, Feb. 17.
Registering device for printing presses. I. Levin. 2,628,558, Feb. 17.
Registering device for use on motor vehicles, Fuel. J. F. Truckenbrodt. 2,641,129, June 9.
Registering device, Percentage. A. G. Brown. 2,633,819, Apr. 7.
Registering device, Printing plate. A. O. Gardner. 2,632,957, Mar. 31.
Registering device, Score. H. E. Williams. 2,651,464, Sept. 8.
Registering device, Speed. E. J. Dowden. 2,657,749, Nov. 3.
Registering device, Speed. R. D. Scheske. 2,635,692, Apr. 21.
Registering noncylindrical punches and dies, Means for. L. V. Whistler. 2,655,995, Oct. 20.
Registration means for duplicating machines. C. A. Levin and O. L. Smith. 2,643,607, June 30.
Registry and side guide marker. A. Marsden. 2,640,416, June 2.
Reglet. L. J. Ausland. 2,664,057, Dec. 29.
Regulated power supply. H. L. Knoebel. 2,624,869, Jan. 6.
Regulated power supply. J. N. Marshall. 2,663,839, Dec. 22.
Regulated power supply. P. H. Wells, A. A. Steinmetz, and W. D. Cannon. 2,663,759, Dec. 22.
Regulated rectifying apparatus. W. H. Bixby. 2,630,557, Mar. 3.
Regulating apparatus. A. A. Markson. 2,634,747, Apr. 14.
Regulating apparatus for combustion engines, Manually adjustable speed and temperature. A. A. Rood. 2,632,996, Mar. 31.
Regulating control and regenerative circuit. R. L. Jaeschke. 2,650,996, Sept. 1.
Regulating device. I. E. Wiegers. 2,636,682, Apr. 28.
Regulating device, Centrifugally operated. L. Dessert, M. Abel, and G. Rua. 2,649,292, Aug. 18.
Regulating means for gas turbine installations. P. Fortescue. 2,641,324, June 9.
Regulating means for use with prime movers, Liquid fuel. R. J. Ifield. 2,659,425, Nov. 17.
Regulating system. S. L. Bradley. 2,644,127, June 30.
Regulating system. S. L. Bradley. 2,648,813, Aug. 11
Regulating system. E. L. Harder and S. L. Bradley. 2,629,853, Feb. 24.
Regulating system. H. L. Prescott. 2,632,879, Mar. 24.
Regulating system. G. E. Stoltz. 2,632,862, Mar. 24.
Regulating system for power plants, including a free piston auto-generator and a receiver machine such as a turbine. R. Huber. 2,659,194, Nov. 17.
Regulating system, Motor speed. R. L. Hupp. 2,632,874, Mar. 24.
Regulating system, Quick response. D. C. Prince. 2,631,263, Mar. 10.
Regulating the gas pressure in containers, Process and means for. T. D. Morgan. 2,653,620, Sept. 29.
Regulating the position of cold cathode lighting supports, Means for. W. Stein. 2,624,833, Jan. 6.
Regulation of steam boilers, Process and apparatus for the. J. Loumiet et Lavigne. 2,662,507, Dec. 15.
Regulation of the fat content of milk products. P. A. Dahlstedt. 2,628,023, Feb. 10.
Regulation of the growth of undesired vegetation. A. W. Swezey. 2,649,363, Aug. 18.

Regulator: *See*—
Air volume regulator.
Automatic mechanical clearance regulator.
Automatic temperature regulator.
Axial flow fan regulator.
Barometric draft regulator.
Carbon pile regulator.
Carburetor valve regulator.
Compressor regulator.
Concentric pilot valve flow regulator.
Damper regulator.
Demand regulator.
Diaphragm actuated balanced gate type pressure regulator.
Dual voltage regulator.
Duplex speed regulator.
Duration ratio regulator.
Electric regulator.
Electrical energy regulator.
Electronic voltage regulator.
Flow regulator.
Flow responsive pressure regulator.
Fluid flow regulator.
Fluid pressure regulator.
Frequency regulator.
Gas pressure regulator.
Gas regulator.
Grinding wheel speed regulator.
Hydraulic flow regulator.
Liquid level regulator.
Mass spectrometer beam regulator.
Pile regulator.
Pilot operated fluid pressure regulator.
Pilot regulator.
Plating thickness regulator.
Pressure regulator.
Rate of flow regulator.
Single-phase induction regulator.
Solenoid-operated window regulator.
Synchronously operated regulator.
Two-stage gas pressure regulator.
Voltage regulator.
Voltage supply regulator.
Window regulator.

Regulator. H. C. Otis and J. C. Luccous. 2,660,246, Nov. 24.
Regulator adjustment for watches and other horological instruments. H. Line. 2,630,672, Mar. 10.
Regulator alternatively responsive to voltage and current, Means for making a. A. Köhler. 2,634,394, Apr. 7.
Regulator and current control device for automotive vehicles, Voltage. L. E. Sevison. 2,644,869, July 7.
Regulator and cutoff with auxiliary manual control, Pressure. E. Henkel and H. G. Nehrbas. 2,645,061, July 14.
Regulator and relief valve, Combination pressure reducing. G. S. Ramsey. 2,663,121, Dec. 22.
Regulator and self-closing circuit breaker, Combined voltage. P. Cibié. 2,648,035, Aug. 4.
Regulator for clockworks, watch movements, and the like, Mechanical motion. H. Steiger. 2,654,214, Oct. 6.
Regulator for compressors, Automatic. J. A. Borel. 2,657,850, Nov. 3.
Regulator for electric motors. J. Zubaty. 2,628,295, Feb. 10.
Regulator for flush tanks, Thermal. J. E. Dudgeon. 2,632,460, Mar. 24.
Regulator for gas turbine power plants, Fuel-air ratio. J. O. Sarto. 2,633,704, Apr. 7.
Regulator for injection combustion engines. H. K. Links. 2,663,289, Dec. 22.
Regulator for prime mover dynamo plants, Wattmetric. O. L. Dupy. 2,632,856, Mar. 24.
Regulator for reels, Torque. F. L. MacQuarrie and F. S. Woods. 2,638,285, May 12.
Regulator for take-up reels. E. May. 2,654,543, Oct. 6.
Regulator for variable nozzle gas turbine power plants. N. E. Starkey. 2,625,789, Jan. 20.
Regulator of high sensitivity for regulating alternating current voltages, Automatic. G. E. Beszedics. 2,664,540, Dec. 29.
Regulator responsive to phase difference of two currents, Electric. D. J. Sikorra. 2,641,738, June 9.
Regulator responsive to ram jet engine ram pressure, Maximum-minimum fuel flow. H. H. Ostroff. 2,654,995, Oct. 13.
Regulator responsive to the electrical conductivity of a solution. A. W. Smith. 2,626,620, Jan. 27.
Regulator valve. O. Lamb. 2,649,661, Aug. 25.
Regulator with tight shutoff action, Fluid pressure. H. W. Ensign. 2,647,345, Aug. 4.
Regulator with stabilizing device, Hydraulic. M. A. Eggenberger. 2,635,639, Apr. 21.
Reinforced concrete pipe. W. A. Whiting. 2,639,731, May 26.
Reinforced flexible conduit. F. S. Schindler and R. K. Titus. 2,644,487, July 7.
Reinforced leather stripping and method of making the same. E. B. Luitweiler. 2,657,161, Oct. 27.
Reinforced rubber structure and method of treating nylon yarn for use in making same. F. H. Müller and P. E. Johnson. 2,645,266, July 14.
Reinforced silica textile. L. Parker. 2,643,437, June 30.
Reinforced V-band clamp. C. E. Christophersen and G. A. Mahoff. 2,653,836, Sept. 29.
Reinforced wooden bowling pin. H. E. Luedtke. 2,629,596, Feb. 24.
Reinforcing frame and holder for automobile license plates. O. F. Baumgartner. 2,624,966, Jan. 13.
Reinforcing of concrete piles. W. P. Kinneman and W. N. Riker. 2,645,090, July 14.
Rejection of inactive material from a fluidized catalyst regenerator. K. M. Watson, R. E. Howe, and R. L. Smith. 2,631,981, Mar. 17.
Rejector blade for rotary pulverizers. W. C. Rogers and M. W. Higgins. 2,625,332, Jan. 13.

Relative humidity indicator. M. E. Goodwin and E. A. Simpson. 2,627,505, Feb. 3.
Relaxation test apparatus. W. C. Stewart. 2,647,393, Aug. 4.
Relay. J. T. L. Brown and W. B. Ellwood. 2,653,199, Sept. 22.
Relay. P. E. Buch. 2,630,506, Mar. 3.
Relay. J. O. Hruby, Jr. 2,644,118, June 30.
Relay. J. F. Rinke. 2,632,071, Mar. 17.
Relay. F. Schulte. 2,636,095, Apr. 21.
Relay counting chain using double-coil relays. R. M. M. Oberman and A. Snijders. 2,636,932, Apr. 28.
Relay device. C. E. Fisher. 2,658,961, Nov. 10.
Relay for controlling the supply of operating current to electromagnetically actuated devices. S. A. Stevens and H. Duckitt. 2,636,930, Apr. 28.
Relay permutation-type switching system. A. E. Joel, Jr. 2,625,610, Jan. 13.
Releasable attachment. B. N. Wallis. 2,647,776, Aug. 4.
Releasable bale hook. G. E. Nelson. 2,628,857, Feb. 17.
Releasable connection device. E. D. Grizzard, F. R. Collar, and J. C. Mitchell. 2,654,135, Oct. 6.
Releasable detent mechanism. C. B. Livers. 2,658,410, Nov. 10.
Releasable fastener. F. L. David. 2,647,294, Aug. 4.
Release and reset system, Automatic. W. Ieu-Liang Wu. 2,640,926, June 2.
Release attachment for wrenches and the like. C. E. Walter. 2,627,774, Feb. 10.
Release control apparatus for fluid pressure brakes. A. T. Gorman. 2,650,137, Aug. 25.
Release for motion-picture camera mechanism. A. I. Murray. 2,650,501, Sept. 1.
Release of ceramic ware from porous molds, Method and apparatus for the. R. E. Steele and J. F. Bryer. 2,632,227, Mar. 24.
Release trigger for guns, Two-part. W. C. Miller. 2,626,476, Jan. 27.
Release valve. W. Y. Stamper. 2,635,628, Apr. 21.
Releaser assembly for continuous milking systems. R. E. Reeve. 2,630,783, Mar. 10.
Releasing device for strip forms in an autographic register. F. G. White and T. F. Callahan. 2,627,428, Feb. 3.
Releasing frozen confections from molds, Method and apparatus for. K. Eftihios. 2,637,668, May 5.
Releasing mechanism for use in paper carton vending apparatus. R. Warner and H. B. Smalley. 2,637,612, May 5.
Relief device for lubricating systems. H. R. Tear. 2,643,739, June 30.
Relief device for power presses. P. G. Pater. 2,639,619, May 26.
Relief, sequence, and unloader valve. W. E. Renick. 2,661,763, Dec. 8.
Relief valve. W. T. Stephens. 2,630,825, Mar. 10.
Relieving cutter blades, Method and apparatus for. A. H. Candee. 2,629,973, Mar. 3.
Relining brakes. J. Barbaro. 2,641,379, June 9.
Reloading clip for revolvers. L. S. Mason. 2,637,930, May 12.
Remodeling milk cans. J. A. Hopwood. 2,647,302, Aug. 4.
Remote-control and supervisory control system. J. A. Doremus and H. C. Waterman. 2,664,554, Dec. 29.
Remote control device for multiple-speed gear boxes. F. D'Ozouville. 2,641,637, June 9.
Remote control for arc welding. E. W. Bagg. 2,642,515, June 16.
Remote control for power units. R. L. Worrell, H. J. Lehker, and F. H. Vogelsang. 2,660,277, Nov. 24.
Remote control for transmissions. E. C. Dodt. 2,638,013, May 12.
Remote-control mechanism for tank trucks. C. C. Clough. 2,656,732, Oct. 27.
Remote control metering valve. R. R. Curtis. 2,648,518, Aug. 11.
Remote control of sawmill setworks by electromechanical means. T. H. Balch and R. F. Van-De Mark. 2,661,036, Dec. 1.
Remote control of typewriters. S. E. Stalbecker and S. B. Tibbling. 2,644,034, June 30.
Remote control pipetting unit. H. C. Andrews and J. F. Gifford. 2,624,656, Jan. 6.
Remote-control system. W. A. Derr. 2,653,188, Sept. 22.
Remote-control system. W. A. Derr. 2,653,998, Sept. 29.
Remote-control system. W. A. Derr. 2,654,805, Oct. 6.
Remote-control system. H. R. Putz. 2,656,472, Oct. 20.
Remote-control system. F. X. Rees. 2,655,644, Oct. 13.
Remote-control system for direct current welding. C. A. Welch. 2,658,132, Nov. 3.
Remote-control system for radio receivers and the like. R. L. Harvey. 2,631,280 Mar. 10.
Remote-control system, Hydraulic. W. A. Stewart. 2,649,173, Aug. 18.
Remote control toy vehicle. J. M. Jackson. 2,638,712, May 19.
Remote electrical drive unit. H. H. Harada. 2,652,471, Sept. 15.
Remote indicator driving attachment for gas metering devices. G. D. Zimmerman. 2,630,714, Mar. 10.
Remote operator for wagon elevator throw-out clutches. J. L. Aasland. 2,654,258, Oct. 6.
Remote position-control system. L. G. Erickson and K. E. Appert. 2,632,871, Mar. 24.
Remote position marker. R. E. Meagher. 2,634,412, Apr. 7.
Remote selective control system. E. S. Purington. 2,635,228, Apr. 14.
Remotely controllable crankcase drain valve. A. A. Gerhard and W. A. Klemme. 2,657,705, Nov. 3.
Remotely controlled and indicating probe actuation. L. C. Smith. 2,637,842, May 5.
Remotely controlled toy car. F. J. Pastorius. 2,639,545, May 26.
Removable contactor connection plug. D. Ingalls and J. W. Anderson. 2,652,549, Sept. 15.
Removable device for clothing and the like. H. S. van Buren, Jr. 2,627,098, Feb. 3.
Removable guide pin. N. M. Marsilius. 2,629,615, Feb. 24.
Removable luggage carrier. O. Lecanu-Deschamps. 2,645,391, July 14.
Removable seat cover. F. F. Eull. 2,625,210, Jan. 13.
Removable subsurface well tool. R. C. Baker and P. B. Zimmerman. 2,633,917, Apr. 7.
Removable washable doll cover. D. P. Lock. 2,636,318, Apr. 28.
Removably attachable lamp mounting. E. C. Weiskopf. 2,627,019, Jan. 27.
Removal of ammonia in boiler feedwater systems, Method and apparatus for. J. F. Sebald. 2,626,005, Jan. 20.
Removal of boron fluoride from reactive hydrocarbons. H. G. Schneider, W. C. Van Sicen, and P. W. Brakeley, Jr. 2,628,991, Feb. 17
Removal of carbonaceous deposits from process equipment. C. A. Murray. 2,643,205, June 23.
Removal of finely divided solids from polymerization streams. E. J. Gornowski. 2,626,292, Jan. 20.
Removal of halide ions from chromate liquors. R. G. Banner. 2,639,216, May 19.
Removal of hydrogen sulfide. H. R. Sailors. 2,624,694, Jan. 6.
Removal of iron contaminants from hydrocarbon synthesis products. B. S. Pace. 2,658,906, Nov. 10.
Removal of magnetite from asbestos. I. J. Novak. 2,662,639, Dec. 15.
Removal of nitrogen from mixtures of combustible gases. F. A. Rohrman. 2,660,514, Nov. 24.
Removal of nitrogen from natural gas. G. Thodos. 2,656,010, Oct. 20.
Removal of objectionable sulfur compounds from mineral oil distillates. K. E. Leutz. 2,641,571, June 9.
Removal of oxidizable contaminants from alcohols. A. Steitz, Jr. 2,635,074, Apr. 14.
Removal of oxygenated organic compounds from hydrocarbon mixtures thereof. N. J. Bowman. 2,660,600, Nov. 24.
Removal of oxygenated organic compounds from hydrocarbons. R. M. Burgison, S. E. Forman, and D. G. Zink. 2,657,227, Oct. 27.
Removal of oxygenated organic compounds from hydrocarbons. E. F. Wadley and J. T. Horeczy. 2,661,362, Dec. 1.
Removal of tar from cuprous chloride catalyst solutions. C. J. Stehman. 2,649,418, Aug. 18.
Removal of volatile products from photographic emulsions. G. D. Hill and R. E. Damschroder. 2,646,353, July 21.
Removing acetylene from gaseous mixtures. R. C. Bour. 2,642,956, June 23.
Removing active sulfur from sulfurized organic compounds. A. Manteuffel, G. R. Cook, and W. D. Gilson. 2,655,469, Oct. 13.
Removing asphaltenes from crude oil. E. N. Case. 2,650,898, Sept. 1.
Removing carbon from the interior walls of combustion chambers, Process of and apparatus for. G. M. Graham. 2,651,887, Sept. 15.
Removing color developer stain in azine dye images. J. E. Bates. 2,657,139, Oct. 27.
Removing cores, Means and method of. T. C. Bannon. 2,638,323, May 12.
Removing deposits containing lead compounds. A. Lazar. 2,626,879, Jan. 27.
Removing dissolved solids from water. W. C. Bauman. 2,629,690, Feb. 24.
Removing dry paper trim. H. Ver Doot, Jr. 2,658,427, Nov. 10.
Removing excess impregnant from impregnated wood. M. S. Hudson. 2,652,347, Sept. 15.
Removing fibers from plant stems, Method and machine for. K. Vonders. 2,641,803, June 16.
Removing foreign matter from drill holes, Means for. L. L. Gage and C. L. Nelson. 2,660,250, Nov. 24.
Removing heads from bodies of shrimps. C. A. and E. F. Greiner. 2,663,900, Dec. 29.
Removing heat-sealed adhesive labels. A. G. Quimby and J. A. Venedam. 2,634,222, Apr. 7.
Removing iron from caustic soda solutions. W. N. Smith. 2,634,192, Apr. 7.
Removing metallic contaminants from hydrogenated oils. D. W. Dron and F. A. Lindsey, Jr. 2,650,931, Sept. 1.
Removing pellicle from filbert nut kernels, Method and apparatus for. E. H. Schoolcraft. 2,651,345, Sept. 8.
Removing pit props, Means for. W. Loebbe. 2,647,736, Aug. 4.
Removing poultry gizzard linings. M. I. Darrow, G. R. Biddinger, and W. J. Patterson. 2,660,756, Dec. 1.

Removing rust and scale, Method of and composition for. M. Rosenfeld and C. F. Pickett. 2,631,950, Mar. 17.
Removing rust from metal surfaces. E. S. Criddle. 2,661,314, Dec. 1.
Removing salts from polyacrylonitrile. G. W. Stanton and T. B. Lefferdink. 2,648,592–3, Aug. 11.
Removing scale from zirconium metal and alloys thereof. E. D. Dilling and G. L. Frederic. 2,653,134, Sept. 22.
Removing sealant from fuel tanks. K. R. Whitcomb and E. E. Finch. 2,653,116, Sept. 22.
Removing size from glass fibers and the subsequent coating thereof. C. Klug. 2,633,428, Mar. 31.
Removing slag from center hole of ingot soaking pits, Method of and apparatus for. F. Drackley. 2,643,203, June 23.
Removing spines from cacti. B. W. Womack. 2,630,123, Mar. 3.
Removing spirally wound articles. W. P. Campbell and F. N. Dailey. 2,635,202, Apr. 21.
Removing stacked articles, Method of and apparatus for. L. A. Herzig and M. Coan. 2,652,161, Sept. 15.
Removing sulfur from petroleum hydrocarbons. C. O. Hoover. 2,640,010, May 26.
Removing sulfur from petroleum hydrocarbons and apparatus. C. E. ZoBell. 2,641,564, June 9.
Removing tellurium from antimony. Y. E. Lebedeff and W. C. Klein. 2,661,280, Dec. 1.
Removing the casings of link sausages and structurally like products. R. A. Schneider. 2,644,982, July 14.
Removing the skin from hogs. R. E. Derby. 2,654,122, Oct. 6.
Removing vulcanizing drum and pressure band from continuous vulcanizing machines. G. E. Apel and D. F. Collins. 2,643,444, June 30.
Removing water from fibrous masses. J. E. Gaston. 2,633,062, Mar. 31.
Rendering a pneumatic tire inner tube substantially static-free. H. D. Hiatt, G. P. McCord, and L. C. Peterson. 2,650,641, Sept. 1.
Rendering cellulosic materials fire resistant with phosphorous oxychloride-anhydrous ammonia reaction products and products produced thereby. R. L. Jenkins. 2,661,311, Dec. 1.
Rendering organic textile material water repellent and composition therefor. A. E. Brown, A. M. Sookne, and F. W. Minor. 2,662,039, Dec. 8.
Rendering regenerated cellulose resistant to sticking and article produced. W. O. Brillhart. 2,658,843, Nov. 10.
Rendering synthetic resins astatic. S. A. Simon and A. H. Drelich. 2,628,176, Feb. 10.
Rendering undevelopable the silver halides present in an outer layer of multi-layer color film. D. E. Sargent. 2,636,821, Apr. 28.
Renewable fuse end washer. F. G. von Hoorn. 2,655,577, Oct. 13.
Repair clamp structure and method. J. G. Fowler, Jr. 2,651,329, Sept. 8.
Repair fixture, Auto body. E. E. Makruski. 2,664,063, Dec. 29.
Repair head for heddles. W. H. Thorpe. 2,643,683, June 30.
Repair head for heddles. W. H. Thorpe. 2,646,825, July 28.
Repair patch for rubber articles. W. Gruber. 2,638,955, May 19.
Repair service manifolding set. R. H. Dickson. 2,653,831, Sept. 29.
Repair unit for tire valve stems. R. V. Snyder. 2,652,858, Sept. 22.
Repairing articles having a corrosion-resisting lining. E. A. Sanford and E. F. Holtz. 2,631,360, Mar. 17.
Repairing bell housing assemblies. T. C. Gerner. 2,660,778, Dec. 1.
Repairing fire hoses, Method and composition for. W. F. Peters and J. Riesinger. 2,624,689, Jan. 6.
Repairing metal castings. G. Javor. 2,649,650, Aug. 25.
Repairing punctures in pneumatic tires and tubes. C. E. Notz. 2,646,707, July 28.
Repeater apparatus for communication and signaling systems. A. R. Doucette. 2,638,513, May 12.
Repeater, Flexible. E. D. Hilburn. 2,647,989, Aug. 4.
Repeater for rolling mills. G. B Tener. 2,629,273, Feb. 24.
Repeater printer for strip stock. T. Finizie and J. J. Connolly. 2,660,114, Nov. 24.
Repeating alarm clock. R. Gary. 2,660,024, Nov. 24.
Replaceable jaw insert for pipe wrenches. W. J. Johnson and C. G. Ertell. 2,656,751, Oct. 27.
Replaceable point for plow shares. R. C. Frevik. 2,629,308, Feb. 24.
Replacement bushing assembly. T. C. Gerner. 2,627,732, Feb. 10.
Replacement guide for poppet valve stems. C. C. Carter. 2,648,322, Aug. 11.
Replacement roll accelerating mechanism for web splicing device. P. L. Tollison. 2,629,562, Feb. 24.
Replacement stem for faucets and the like. C. F. Schultis and I. Herzbrun. 2,629,580, Feb. 24.
Replacement T or fitting. F. H. Mueller and W. J. Bowan. 2,641,491, June 9.
Replasticizing polymeric metallo-carboxylates. H. P. Brown. 2,626,248, Jan. 20.
Replicas for use in the production of refractory molds. I. E. Valyi. 2,628,394, Feb. 17.
Repositioning device for marking wheels. I. S. Gottscho and M. Hirschey. 2,632,383, Mar. 24.
Reproducer for magnetically recorded signals. A. E. Canfora. 2,658,950, Nov. 10.
Reproducer mounting. M. F. Royston. 2,647,754, Aug. 4.
Reproduction by grinding, Method and means for the. E. Fouquet. 2,641,089, June 9.
Reproduction fixtures, Making. S. P. Kish. 2,632,922, Mar. 31.
Reproduction of designs, Means for. J. R. Brierley. 2,629,931, Mar. 3.
Reproduction of signals from magnetic records. F. Gray. 2,657,377, Oct. 27.
Repulsion type magnetic suspension. L. I. Mendelsohn. 2,658,805, Nov. 10.
Resawing machine, Shake board. A. F. Gledhill and L. R. Lewis. 2,659,396, Nov. 17.
Resawing means, Shake. J. R. Hight. 2,634,768, Apr. 14.
Reserve fuel tank. J. Franklin. 2,624,400, Jan. 6.
Reservoir energy and pumping equipment control, Combination. S. W. Woolsey. 2,652,000, Sept. 15.
Reservoir for pipe or reed organs. J. Glatter-Götz. 2,633,046, Mar. 31.
Reservoir with applicator closure, Resilient. H. W. Decker. 2,643,408, June 30.
Resetting and interlock mechanism for liquid dispensing apparatus. H. N. Bliss and O. Wild, Jr. 2,626,082, Jan. 20.
Resetting device for clinical thermometers. W. E. McCormick. 2,651,943, Sept. 15.
Resetting means for counter mechanism. H. B. Vroom. 2,630,971, Mar. 10.
Residuum coking and cracking. J. W. Brown and C. E. Jahnig. 2,655,464, Oct. 13.
Residuum coking and cracking. H. Z. Martin. 2,655,465, Oct. 13.
Resilient ball and socket type draft means. R. Shutter. 2,635,892, Apr. 21.
Resilient bearing mounting. J. P. Arndt, J. Hruby, and J. J. Schulze. 2,653,063, Sept. 22.
Resilient bushing carrier. F. M. Guy. 2,636,360, Apr. 28.
Resilient connection. F. F. Kishline and R. H. Phelps. 2,659,619, Nov. 17.
Resilient coupling. B. Tocci-Guilbert. 2,633,008, Mar. 31.
Resilient cover for rolling landsides, Detachable. R. C. Frevik. 2,624,258, Jan. 6.
Resilient cover member for bumper guards. J. H. Weigand. 2,624,607, Jan. 6.
Resilient fastening clip. N. Nelsson. 2,665,515, Dec. 8.
Resilient interchangeable tube coupling. L. B. Courtot. 2,648,550, Aug. 11.
Resilient joints, Making. H. M. Dodge. 2,632,236, Mar. 24.
Resilient mounting. R. C. Henshaw. 2,648,510, Aug. 11.
Resilient retractable load carrying assembly. G. and M. L. Hlatko. 2,627,405, Feb. 3.
Resilient seat mounting. F. A. Jackson. 2,664,146, Dec. 29.
Resilient shock absorbing support for vehicle saddles, Adjustable. F. von Szilágyi. 2,639,760, May 26.
Resilient slat-seat chair. P. N. Howard. 2,664,149, Dec. 29.
Resilient support. D. Signorini. 2,625,389, Jan. 13.
Resilient supporting device. A. A. Zuhn. 2,631,810, Mar. 17.
Resilient suspension and shock absorbing device for vehicles, Combined pneumatic and hydraulic. A. H. and S. H. A. Weiertz. 2,644,699, July 7.
Resilient tire chain applying clamp. S. P. McConnel. 2,632,349, Mar. 24.
Resilient wheel. A. Boschi. 2,643,153, June 23.
Resiliently mounted shaft hanger. E. J. Herbenar. 2,661,986, Dec. 8.
Resiliently mounted thrust bearing. J. A. McNally. 2,636,790, Apr. 28.
Resiliently suspended chair. J. R. Millen. 2,631,650, Mar. 17.
Resin adhesive and making same, Alkaline-setting. C. C. Kesler. 2,626,934, Jan. 27.
Resin and its manufacture. H. S. Bloch. 2,656,335, Oct. 20.
Resin article, Locally reinforced. E. H. Voelker. 2,654,685, Oct. 6.
Resin azo dye. L. M. Minsk and J. J. Chechak. 2,632,004, Mar. 17.
Resin bonded fibrous articles, Production of. I. E. Muskat. 2,631,955, Mar. 17.
Resin-dyes of the cyanine type. R. H. Sprague, L. G. S. Brooker, and S. G. Dent, Jr. 2,639,282, May 19.
Resin for wet strength paper and process for making it. H. E. Gronich. 2,634,246, Apr. 7.
Resin for wet strength paper, Making. G. A. Nesty and H. E. Gronich. 2,634,247, Apr. 7.
Resin purification of sugar solutions. H. W. Meijer. 2,650,177, Aug. 25.
Resinification of aromatic hydrocarbons. C. F. Feasley. 2,660,572, Nov. 24.
Resinous aromatic polyphosphates, Preparation of. H. Zenftman and A. McLean. 2,636,876, Apr. 28.
Resinous composition comprising a vinyl chloride polymer and a benzothiazylmercaptoacetic acid ester as a plasticizer. J. Dazzi. 2,647,877, Aug. 4.

Resinous composition comprising phenol-aldehyde and ketone-aldehyde condensation products. G. K. Vogelsang. 2,629,703, Feb. 24.
Resinous condensation product of dibenzalacetone and hydrogen sulfide. R. B. Thompson. 2,636,021, Apr. 21.
Resinous condensation products from an aldehyde or ketone with a chroman, thiachroman, coumaran, or benzodihydrothiafuran. H. S. Bloch and H. E. Mammen. 2,657,193, Oct. 27.
Resinous condensation products from aromatic ketones and amines, Preparation of. R. B. Thompson and H. S. Bloch. 2,659,712, Nov. 17.
Resinous copolymers of nuclearly polysubstituted isopropenyl benzenes. T. A. te Grotenhuis and G. H. Swart. 2,645,632, July 14.
Resinous products from dihydropyran derivatives and producing the same. R. R. Whetstone and S. A. Ballard. 2,640,815, June 2.
Resinous siloxane and product, Making a. J. E. Dereich. 2,648,654, Aug. 11.
Resins and process for producing same from reaction products of hydroxy aromatic aldehydes and mercaptans. R. B. Thompson. 2,625,534, Jan. 13.
Resins capable of producing viscous aqueous solutions and the manufacture thereof. J. C. Williams. 2,640,039, May 26.
Resistance-capacitance type filter network. J. C. Gaudio. 2,634,330, Apr. 7.
Resistance construction. W. M. Kohring. 2,640,903, June 2.
Resistance furnace. H. C. Kremers. 2,640,861, June 2.
Resistance-reducing device for bridged circuits. E. H. Musgrove and R. E. Moore. 2,627,581, Feb. 3.
Resistance unit. F. A. Glassow. 2,643,316, June 23.
Resistance unit and element thereof. A. C. Dyer. 2,647,978, Adg. 4.
Resistor. L. H. Berkelhamer. 2,628,300, Feb. 10.
Resistor and method of manufacture. L. H. Berkelhamer. 2,660,653, Nov. 24.
Resistor assembly for circuit interrupters. B. P. Baker and E. Frisch. 2,632,078, Mar. 17.
Resistor terminal. M. G. Bales. 2,662,151, Dec. 8.
Resistor terminal construction. R. E. B. Wakefield. 2,636,963, Apr. 28.
Reso-jet motor. E. B. Myers. 2,647,365, Aug. 4.
Resol-alkyd resin products. H. Hönel and H. Manzano. 2,626,249, Jan. 20.
Resol-alkyd resin product. H. Honel and H. Manzano. 2,649,433, Aug. 18.
Resolution of isoamidone with (L+)p-nitrobenzoyl-glutamic acid. M. Sletzinger and M. Tishler. 2,625,564, Jan. 13.
Resolution of lysine. A. O. Rogers. 2,657,230, Oct. 27.
Resolution of mixtures comprising N-methylaniline and N,N-dimethylaniline. T. J. Deahl, F. H. Stross, and M. D. Taylor. 2,651,606, Sept. 8.
Resolution process and compounds produced therein. R. L. Clark and W. H. Jones. 2,646,445, July 21.
Resolving emulsions. S. D. Sumerford. 2,662,062, Dec. 8.
Resolving emulsions using azolidine salts of alkylated naphthalene sulfonic acids. W. B. Hughes. 2,638,451, May 12.
Resonant cavity drive. W. Altar and J. W. Coltman. 2,632,854, Mar. 24.
Resonant cavity filter. H. Magnuski. 2,637,782, May 5.
Resonant silencer. C. Thumim. Re. 23,667, June 9.
Resonating combustion power gas generator. W. P. Mansfield and J. White. 2,650,472, Sept. 1.
Resonator. C. H. Chandler. 2,625,605, Jan. 13.
Resonator structure. A. M. Gurewitsch. 2,627,552, Feb. 3.
Respirator. J. N. Matheson. 2,652,828, Sept. 22.
Respiratory device. B. B. Holmes. 2,630,129, Mar. 3.
Respiratory quotient and metabolism meter. I. U. White and R. G. Bartlett, Jr. 2,630,798, Mar. 10.
Rest and feeding device for animals, Combination. G. H. Herbert. 2,659,345, Nov. 17.
Rest for cigarettes, cigars, and pipes. J. J. Harkins. 2,650,595, Sept. 1.
Rest for electric irons. H. W. Wilson. 2,660,820, Dec. 1.
Restoring X-ray film. F. X. and F. H. Hohn. 2,640,775, June 2.
Restraining and releasing device for pilots. F. J. Lindstrom. 2,638,293, May 12.
Restraining device. J. A. Heymans. 2,664,083, Dec. 29.
Restraining device. G. L. Martin. 2,645,922, July 21.
Restraining device for fowl. R. H. George. 2,640,224, June 2.
Resurfacing machine. Bowling alley. G. Parovel. 2,655,770, Oct. 20.
Resuscitator using an auxiliary gas conserving valve. H. Seeler. 2,640,479, June 2.
Retainer for children's seats. M. D. Welsh. 2,646,838, July 28.
Retainer for electrical attachment plugs. K. M. Johnson. 2,659,059, Nov. 10.
Retainer for garment cuffs. J. J. Lockett. 2,631,291, Mar. 17.
Retainer for initials or other indicia, and a watch construction containing same. E. Kupchick. 2,653,442, Sept. 29.
Retainer mechanism for quick disconnect coupling. C. B. Livers and A. A. Meddock. 2,648,552, Aug. 11.
Retaining device for slide fasteners. D. E. Wilson. 2,656,579, Oct. 27.
Retaining means for doors and the like. T. J. Sweger. 2,661,973, Dec. 8.
Retaining means for printing plates. F. E. Curtis. 2,633,079, Mar. 31.
Retaining mechanism for sealed beam lamp type locomotive headlight assemblies. F. X. Keegan. 2,644,076, June 30.
Retaining ring. F. D. Frisby. 2,660,913, Dec. 1.
Retaining spider and plate for material grinding machines. M. F. Ward. 2,624,384, Jan. 6.
Retardation line subdivided into sections. M. A. Lalande. 2,651,760, Sept. 8.
Retarded set cement and slurries thereof. H. H. Kaveler. 2,629,667, Feb. 24.
Retarding means for roll paper dispensers. W. I. Fanning. 2,650,773, Sept. 1.
Retarding thrust file holder. E. Tury. 2,643,442, June 30.
Reticle mount and adjusting mechanism. J. L. Rawlings. 2,625,742, Jan. 20.
Reticles. W. F. Parsons and E. C. Poling. 2,639,665, Nov. 17.
Retort for heating the edge of skelp in the manufacture of welded pipe or tubing. W. W. Kuntz, Jr. 2,646,267, July 21.
Retort type sectional high-frequency furnace. G. T. Lundgren. 2,661,386, Dec. 1.
Retorting of oil shale, Fluid-type. L. A. Nicolai and B. V. Molstedt. 2,634,233, Apr. 7.
Retorting of shales, Subterranean. L. P. Evans. 2,630,306, Mar. 3.
Retractable bar feeding machine. S. Ovshinsky. 2,656,588, Oct. 27.
Retractable hose-supporting means for lubrication lifts. K. E. Hammer. 2,659,937, Nov. 24.
Retractable landing gear. A. E. Kanode, C. H. Cooke, and F. V. Lindquist. 2,630,990, Mar. 10.
Retractable lipstick holder. B. A. Rosen. 2,626,048, Jan. 20.
Retractable runner and wheeled type of game carrier. C. W. Jones. 2,624,588, Jan. 6.
Retractable tool handle. A. F. Alexander. 2,642,907, June 23.
Retractable tool handle. E. A. Johnson. 2,632,489, Mar. 24.
Retractable traffic sign. H. E. Caffrey. 2,624,307, Jan. 6.
Retractile articles, Making. N. Drisch and R. Fays. 2,645,818, July 21.
Retractile tray for automobile instrument panels. P. A. Clower. 2,626,194, Jan. 20.
Retread mold construction. E. W. Hawkinson. 2,659,933, Nov. 24.
Retrievable well packer. C. H. Sweet. 2,660,247, Nov. 24.
Retrievable well pump. A. G. Gage. 2,663,261, Dec. 22.
Retrieving arrangement for well drilling operations. L. E. Stewart and M. J. Winters. 2,647,008, July 28.
Return bend for fired coils. H. M. Becnel. 2,639,127, May 19.
Return idler for cord conveyer belts. W. F. Bankauf. 2,658,606, Nov. 10.
Return mechanism. A. C. Hughes, Jr. 2,656,178, Oct. 20.
Reverberatory furnace. D. A. Knight. 2,654,593, Oct. 6.
Reversal images, Production of. A. Rott. 2,663,641, Dec. 22.
Reverse air flow convertible household vacuum cleaner. A. S. Browne. 2,642,616, June 23.
Reverse cycle valve. E. F. Kounovsky. 2,640,494, June 2.
Reverse traverse drapery support. L. L. Degnan and T. P. Buckman. 2,627,915, Feb. 10.
Reversible and berthable seat. B. F. Monroe. 2,642,922, June 23.
Reversible application of power to motor-operated valve. E. T. Dahl. 2,643,667, June 30.
Reversible dead latch. W. R. Schlage. 2,661,972, Dec. 8.
Reversible drive mechanism. S. L. Arensberg. 2,624,214, Jan. 6.
Reversible electrical connector. G. C. Price. 2,624,776, Jan. 6.
Reversible fabric. J. B. Meister and M. N. Stern. 2,641,045, June 9.
Reversible fluid motor. L. J. Becker. 2,636,480, Apr. 28.
Reversible solvent-soluble derivatives of phthalocyanine compounds. C. J. Pedersen. 2,662,897, Dec. 15.
Reversible solvent-soluble derivatives of phthalocyanine pigments. C. J. Pedersen. 2,662,895–6, Dec. 15.
Reversible turbine type fluid coupling. R. R. Mosher. 2,658,345, Nov. 10.
Reversible variable capacity fluid pump. W. H. De Lancey and E. E. Vincent 2,628,567, Feb. 17.
Reversing and leveling means for two-way plows. T. Brown. 2,644,385, July 7.
Reversing and speed control for truck motors. L. M. Persons. 2,659,851, Nov. 17.
Reversing drive mechanism. J. R. Wood. 2,659,237, Nov. 17.
Reversing mechanism. J. J. Pukt. 2,649,810, Aug. 25.
Reverting call circuit. F. A. Morris. 2,628,281, Feb. 10.
Revertive call circuits. F. A. Morris. 2,641,652, June 9.
Reviving pictures and the resultant articles. P. C. Goetz. 2,644,261, July 7.

Revoking and resetting mechanism for weft replenishing looms. C. R. Kronoff and A. C. Krukonis. 2,627,284, Feb. 3.
Revolving seat juvenile vehicle. E. J. Boysel. 2,631,651, Mar. 17.
Revolving spud line. B. F. Bowman. 2,646,255, July 21.
Rewind core holder. A. H. Steuber. 2,659,542, Nov. 17.
Rewind roll drive. F. M. Carroll. 2,634,064, Apr. 7.
Rewinder for paper tape from business machines, Portable. J. Roche. 2,650,775, Sept. 1.
Rewinding machine. T. N. Carter. 2,650,039, Aug. 25.
Rewinding machine, Automatic web. J. Kievit. 2,650,038, Aug. 25.
Rewinding means, Strip. C. A. Christoff. 2,661,910, Dec. 8.
RrBr from RrCOOH, Making of. J. D. La Zerte, W. H. Pearlson, and E. A. Kauck. 2,647,933, Aug. 4.
Rheometer. W. Patterson, Jr. 2,625,034, Jan. 13.
Rheostat. H. I. Becker. 2,624,822, Jan. 6.
Rheostat operating mechanism. E. F. Goetz. 2,660,650, Nov. 24.
Rib applying machine. A. R. Ridderstrom. 2,657,405, Nov. 3.
Ribbon attaching means. E. M. Lippert. 2,652,918, Sept. 22.
Ribbon holding device and the like. C. Gross. 2,649,198, Aug. 18.
Ribbon loom. M. G. Brooks. 2,663,214, Dec. 22.
Ribbon progressing and reversing device. I. G. O. Brown. 2,627,965, Feb. 10.
Riboflavin by Ashbya gossypii, Production of. S. C. Beesch and M. C. Firman. 2,631,120, Mar. 10.
Riboflavin by microbiological fermentation, Production of. S. C. Beesch and B. W. Fraser. 2,647,074, July 28.
Riboflavin derivatives and preparing same. H. M. Millen. 2,634,265, Apr. 7.
Riboflavin-monoborate and preparation thereof. R. D. Fine, III. 2,650,894, Sept. 1.
Rice bran oil process. G. J. Strezynski and F. E. Lawatsch. 2,663,717, Dec. 22.
Rice drier. W. H. Underwood and E. Toepfer. 2,634,511, Apr. 14.
Rice process. M. W. Alderman, W. F. Massmann, Jr., and E. W. Michael. 2,643,951, June 30.
Riddling device. L. R. S. Wilson. 2,636,605, Apr. 28.
Rider propelled toy vehicle. R. E. Thoren. 2,651,527, Sept. 8.
Ridge reamer. H. R. Billeter. 2,638,799, May 19.
Ridge reamer. W. F. Mitchell. 2,637,224, May 5.
Ridger. D. R. Crum. 2,641,983, June 16.
Riding sulky for power-operated mowing units. R. Bear. 2,660,447, Nov. 24.
Rifle bolt sleeve and safety. R. O. Ackerson. 2,648,926, Aug. 18.
Rig mount, Portable. O. D. Caldwell. 2,663,375, Dec. 22.
Rigid connection between a sleeve and a bushing, Making a. S. D. Gunning. 2,636,254, Apr. 28.
Rigid tension-truss bridge. J. W. Beretta. 2,642,598, June 23.
Rigid thermoplastic compositions comprising vinyl halide polymers with interpolymers of styrene and acrylonitrile. G. B. Jennings. 2,646,417, July 21.
Rim driving wheel. P. G. Gilbert. 2,659,405, Nov. 17.
Rim structure for flat tableware. R. G. Cowan. 2,657,558, Nov. 3.
Ring: *See*—
Air control ring.
Compensating metallic thrust ring.
Detachable key ring.
Drive ring.
Flexible piston ring.
Frangible piston ring.
Hybrid ring.
Indoor marble playing ring.
Piston packing ring.
Piston ring.
Piston sealing ring.
Retaining ring.
Ski pole ring.
Slush pump seal ring.
Spring retainer ring.
Steel piston ring.
Turbine or compressor stator ring.
Wheel lug locking ring.
Ring. A. Bonagura. 2,653,402, Sept. 29.
Ring and spigot assembly, Valved. J. R. Snyder. 2,630,338, Mar. 3.
Ring and spigot assembly, Valved. J. R. Snyder and H. J. Eger. 2,630,337, Mar. 3.
Ring circuit. L. W. Marsh, Jr. 2,636,078, Apr. 21.
Ring clamp. J. L. Karty and M. Lief. 2,634,940, Apr. 14.
Ring clamp for metal drums, Split. F. J. Kohout. 2,633,616, Apr. 7.
Ring counter, Magnetic. G. J. Giel, Jr., and M. C. Burns. 2,640,164, May 26.
Ring dressing device. J. M. Scott. 2,637,146, May 5.
Ringlike closure remover with internal grooves. F. E. Rinehart. 2,631,482, Mar. 17.
Ring oscillator pulse producing circuit. H. Gallay. 2,642,526, June 16.
Ring spinning machine for spinning fibrous material. W. H. Watson and S. L. Cole. 2,647,357, Aug. 4.
Ring with spring guard, Finger. M. Manne. 2,641,909, June 16.
Rinse arm connection. G. B. Fox and D. B. Dickhart. 2,637,595, May 5.
Rinser for diapers and other clothes. W. H. Rutten. 2,635,448, Apr. 21.
Rip fence for saw tables and mountings therefor. A. Pollock. 2,651,337, Sept. 8.
River weight for pipe lines. E. A. Rowe and R. M. Zschau. 2,662,552, Dec. 15.
Rivet-bucking tool. S. E. Hinkle. 2,628,515, Feb. 17.
Rivet remover and setter, Portable. F. G. Davis. 2,661,112, Dec. 1.
Rivet with expanding means, Divided hollow. L. C. Huck. 2,647,432, Aug. 4.
Riveter, Automatic squeeze. E. H. Souter. 2,662,429, Dec. 15.
Riveting machine. F. H. Le Jeune. 2,635,777, Apr. 21.
Riveting machine, Automatic. A. R. Havener. 2,652,167, Sept. 15.
Riveting process. W. W. D. Warren. 2,654,272, Oct. 6.
Road auger boring machine. I. R. Smith. 2,625,376, Jan. 13.
Road joint connection. A. F. Crone. 2,652,752, Sept. 22.
Road joints. W. S. Godwin. 2,634,660, Apr. 14.
Road machine. B. T. Vig and A. H. Fischer. 2,646,730, July 28.
Road-rail wheel. C. A. Kerner. 2,657,947, Nov. 3.
Road traffic signal. S. H. Pellar. 2,627,784, Feb. 10.
Road treating machine. G. E. Hawkins. 2,644,377, July 7.
Road working apparatus. G. E. Ross. 2,655,743, Oct. 20.
Roaster, Barbecue. R. F. Wickman. 2,649,042, Aug. 18.
Roaster, Coffee. P. T. Clary. 2,639,133, May 19.
Roasting and salting nuts. F. E. Hageman. 2,643,190, June 23.
Roasting coffee. R. L. Montgomery, Jr. 2,632,706, Mar. 24.
Roasting of sulfides. E. J. Roberts, R. M. Foley, and D. F. Wells. 2,625,464, Jan. 13.
Roasting rack. S. U. Irwin. 2,634,674, Apr. 14.
Roasting sulfide ores. W. K. Lewis. 2,637,629, May 5.
Robe with fasteners. V. L. Stephenson. 2,656,540, Oct. 27.
Rock catcher. J. L. Smallwood. 2,656,572, Oct. 27.
Rock crusher having contained rock screening and cooperating grate means. F. D. Fogle. 2,661,158, Dec. 1.
Rock drill. M. C. Huffman. 2,643,641, June 30.
Rock drill. J. J. Janosko. 2,634,103, Apr. 7.
Rock drill bit. J. B. Baker. 2,632,662, Mar. 24.
Rock drill bit. J. C. Curtis. 2,653,010, Sept. 22.
Rock drill bit. R. T. Eakin. 2,634,954, Apr. 14.
Rock drill bit. G. R. Watson. 2,659,577, Nov. 17.
Rock drilling apparatus. J. C. Curtis. 2,657,017, Oct. 27.
Rock drilling bit. M. D. Ingram. 2,644,671, July 7.
Rock drilling tool. D. W. Hart. 2,633,335, Mar. 31.
Rock-grooving tool. R. N. Stich. 2,656,169, Oct. 20.
Rock picker. A. M. Jochim. 2,636,328, Apr. 28.
Rocker arm. J. R. Winter, Jr. 2,631,471, Mar. 17.
Rocker arm for knitting machines and the like. E. Bellini. 2,656,729, Oct. 27.
Rocker arm refacer. V. L. Helm. 2,643,489, June 30.
Rocker attachment unit for chairs. L. Gottfried. 2,662,580–1, Dec. 15.
Rocker convertible to nonrocking chair. G. Andrus. 2,624,393, Jan. 6.
Rocker for infant-carrying devices. G. H. Strom, C. Lichter, and P. Rusincky. 2,649,167, Aug. 18.
Rocking chair. P. A. Joncas. 2,638,968, May 19.
Rocking device, Baby bassinet. J. A. Dooley. 2,633,580, Apr. 7.
Rocking horse. L. Cowsar. 2,659,602, Nov. 17.
Rocking support. J. D. Lee. 2,647,268, Aug. 4.
Rocking type pipe bender with adjustable gauge means. J. W. Lewin. 2,656,747, Oct. 27.
Rocket igniter. G. C. MacDonald. 2,627,160, Feb. 3.
Rocket motor cooling system. R. C. Truax. 2,625,007, Jan. 13.
Rocket projector with adapter. C. C. Lauritsen. 2,659,274, Nov. 17.
Rod: *See*—
Adjustable tie rod.
Casting rod.
Cold wave curling rod.
Curtain rod.
Drapery traverse rod.
Fishing rod.
Mop and shaker rod.
Permanent waving rod.
Weld rod.
Welding rod.
Rod aligner, Connecting. G. M. Graham. 2,637,118, May 5.
Rod anchor, Dowel. S. J. Crockett. 2,650,476, Sept. 1.
Rod and reel, Fishing. N. Oak. 2,628,444, Feb. 17.
Rod collar, Self-locking adjustable. C. E. Deardorff. 2,642,299, June 16.
Rod deck screen. A. J. Roubal. 2,636,607, Apr. 28.
Rod gripping tool. J. L. Haddock. 2,634,157, Apr. 7.
Rod holder. M. O. Herzog. 2,624,536, Jan. 6.
Rod joint or coupling. R. W. Weeks. 2,652,274, Sept. 15.
Rod rotator for deep well pumps. J. L. Paterson. 2,660,893, Dec. 1.
Rod spacer, Reinforcing. E. W. Byars and W. B. Allen. 2,634,603, Apr. 14.
Rod spreader, Connecting. A. B. Seppmann. 2,647,723, Aug. 4.
Rodenticidal composition, Production of a. F. Litvan and W. Stoll. 2,648,681, Aug. 11.
Rodenticidal compositions. G. Hecht, H. Henecka, and M. Meisenheimer. 2,650,186, Aug. 25.
Roentgen apparatus. K. W. W. Noschis. 2,646,514, July 21.
Roll apparatus for localized embossing. F. A. Sunderhauf and J. C. O'Hear. 2,639,660, May 26.
Roll assembly for continuous strip pickling tanks. L. R. Howes. 2,650,603, Sept. 1.
Roll dressing means. H. D. Van Sciver, II. 2,631,478, Mar. 17.

Roll film viewer. G. H. J. Baule. 2,659,267, Nov. 17.
Roll former, Clover-leaf. L. A. Hurley and P. F. Lucas. 2,627,823, Feb. 10.
Roll holder. B. A. Gustafson and J. H. Wahlbeck. 2,639,104, May 19.
Roll loading system for textile drafting and spinning frames. E. G. Whittaker. 2,624,076, Jan. 6.
Roll member. K. Kaiser. 2,629,136, Feb. 24.
Roll mill with means for spacing the rolls while being rotatively driven, Multiple. M. G. Hill. 2,646,935, July 28.
Roll neck seal. J. E. Shields. 2,647,778, Aug. 4.
Roll of adhesive tape. D. W. Engberg and W. A. Norton, 2,651,408, Sept. 8.
Roll of pressure-sensitive adhesive striping tape. C. J. Calabrese. 2,657,795, Nov. 3.
Roll oiling apparatus for use with roll-making machines. W. Bingaman. 2,650,563, Sept. 1.
Roll paper dispenser. C. N. Larson. 2,647,028, July 28.
Roll seal. K. Skivesen. 2,654,587, Oct. 6.
Roll separator. F. Hansalik. 2,645,189, July 14.
Roll shifting means for resaw devices. D. M. Daniel. 2,661,033, Dec. 1.
Roll stand. H. H. Weber and J. O. Olsen. 2,635,823, Apr. 21.
Roll stand for flying splices. J. P. Van Dusen. 2,651,474, Sept. 8.
Roll-stripping means for cementing machines. W. P. Osgood. 2,642,032, June 16.
Roll support. R. M. Dunning. 2,660,296, Nov. 24.
Roll type paper dispensing cabinet. L. A. and P. E. Dittman. 2,657,873, Nov. 3.
Roll up map case. G. C. Corley. 2,661,570, Dec. 8.
Roller adjustment indicator for pellet mills. E. N. Meakin. 2,626,576, Jan. 27.
Roller adjusting mechanism for rotary printing presses. J. R. Baumgartner. 2,625,878, Jan. 20.
Roller and ball bearing, Combined. A. Bakane. 2,641,516, June 9.
Roller bearing. D. Ashton. 2,628,137, Feb. 10.
Roller bearing. N. A. Palmgren. 2,642,322, June 16.
Roller bearing. O. F. Ringsmith. 2,625,450, Jan. 13.
Roller bearing nut. H. G. Henry. 2,648,991, Aug. 18.
Roller bearing with removable inner assembly, Multirow cylindrical. P. G. Palmgren and J. L. Brifsen. 2,664,324, Dec. 29.
Roller bit. E. G. Boice. 2,664,322, Dec. 29.
Roller bit. W. B. Noble. 2,647,804, Aug. 4.
Roller bit. W. B. Noble. 2,664,321, Dec. 29.
Roller catch. L. Rosenblum. 2,660,464, Nov. 24.
Roller construction. L. V. Robinson. 2,655,684, Oct. 20.
Roller device for moving heavy objects. D. F. Jorgensen. 2,639,164, May 19.
Roller device for moving loads. H. R. Pohle. 2,644,691, July 7.
Roller drive chain. E. E. Perron. 2,638,790, May 19.
Roller expander, Retractive. J. E. Toth. 2,630,853, Mar. 10.
Roller file. C. L. Beaudrot, Jr. 2,638,280, May 12.
Roller for ironing machines. C. C. Scheele. 2,647,301, Aug. 4.
Roller for labeling machine pickers, Adhesive supply. S. T. Carter. 2,638,073, May 12.
Roller for lawn mowers, Auxiliary. R. L. Andrew. 2,644,290, July 7.
Roller for roller mills, Hollow water cooled. H. K. Wiemer. 2,650,034, Aug. 25.
Roller hatch beam. G. Sipkin. 2,625,128, Jan. 13.
Roller housing with line reeving arrangement. L. Isachsen. 2,661,185, Dec. 1.
Roller leveler. F. K. Maust. 2,638,143, May 12.
Roller skate wheel. C. S. Cooke and L. Z. Barnard. 2,633,387, Mar. 31.
Roller skate wheel. D. G. Isham and D. A. Peltier. 2,635,923, Apr. 21.
Roller skate wheel. F. G. Negri. 2,652,285, Sept. 15.
Roller-skate wheel. H. F. Whitcomb, Jr. 2,628,869, Feb. 17.
Roller structure. W. Ware. 2,649,337, Aug. 18.
Roller structure for lift truck carriages. J. A. Frischmann. 2,648,401, Aug. 11.
Roller supporting cage for roller bearings. J. Levine. 2,644,730, July 7.
Roller trip for printing machines. M. Ras. 2,642,798, June 23.
Roller-type drafting apparatus of textile spinning and analogous machinery. W. H. Watson. 2,624,074, Jan. 6.
Roller type overrunning clutch. E. F. Ayer and S. P. Caldwell. 2,633,951, Apr. 7
Roller type switch. F. S. Sinclaire. 2,650,962, Sept. 1.
Roller wedge lock nut. G. S. Allen. 2,660,212, Nov. 24.
Roller with detachable covering sleeve, Self-expanding painting. E. E. Thomas and S. T. Coughlan. 2,647,276, Aug. 4.
Rolling contact extensometer. C. H. Adams. 2,650,432, Sept. 1.
Rolling machine. L. B. Henderson. 2,664,019, Dec. 19.
Rolling machine, Automatically fed thread. J. W. Batchelder. 2,627,767, Feb. 10.
Rolling machine, Ice-cream cone. J. S. Finke. 2,628,576, Feb. 17.
Rolling mill. J. D. Kiss. 2,646,103, July 21.
Rolling mill. F. J. Wood. 2,634,635, Apr. 14.
Rolling mill and coiling apparatus. H. F. Anderson. 2,653,496, Sept. 29.
Rolling mill control. F. J. Wood. 2,629,272, Feb. 24.
Rolling mill for rings. F. S. Salter. 2,636,406, Apr. 28.
Rolling mill for rolling strips or bands and sheets of steel and nonferrous metals. J. Schmidt and F. Friellnghaus. 2,658,741, Nov. 10.
Rolling mill turn-up guide. W. A. Ebert and R. A. Connelly. 2,653,497, Sept. 29.
Rolling pin. J. Mees, Sr. 2,652,009, Sept. 15.
Rolling strip material, Method of and means for. F. P. Dahlstrom. 2,651,954, Sept. 15.
Rolling thin sheet metal. H. W. Porth. 2,642,764, June 23.
Rolling titanium sheets. J. A. Roemer, B. H. McKibben, and J. R. Corry. 2,651,099, Sept. 8.
Roof construction. W. Sveres. 2,648,132, Aug. 11.
Roof construction for passenger-type railway cars. A. G. Dean. 2,625,890, Jan. 20.
Roof construction for tanks, Floating. H. O. Cord, B. G. Merten, and F. E. Klapheke. 2,664,220, Dec. 29.
Roof construction for trucks or trailers. W. G. Butsch. 2,658,794, Nov. 10.
Roof drainage system for toll booth canopies. B. Cooper and M. J. Charet. 2,642,017, June 16.
Roof for sewage digesting apparatus, Floating. J. H. Wiggins and J. W. Allen. 2,663,453, Dec. 22.
Roof for the cockpits of aircraft, Two-panel slidable and jettisonable. R. Saulnier. 2,646,949, July 28.
Roof for tilting furnaces. F. Hönig. 2,659,326, Nov. 17.
Roof for vehicles, Sliding. W. H. Bishop. 2,661,234, Dec. 1.
Roof framer. J. D. Lawrence. 2,654,954, Oct. 13.
Roof gutter. D. Ager. 2,646,011, July 21.
Roof opening apparatus for railroad freight cars. J. L. Kovachick. 2,629,339, Feb. 24.
Roof or cover for liquid storage tanks, Floating. J. H. Wiggins. 2,663,452, Dec. 22.
Roof panel. A. D. Roush and O. M. Stolz. 2,626,577, Jan. 27.
Roof slab, Prefabricated. C. D. Iddings, J. R. Bechtold, and P. E. Borg. 2,648,299, Aug. 11.
Roof structure. M. Clements. 2,655,878, Oct. 20.
Roof structure for load-carrying vehicles, Adjustable. L. Bobroff. 2,656,216, Oct. 20.
Roof structure, Trailer coach. V. J. Judson. 2,645,521, July 14.
Roof with flexible suspension means, Suspended brick. F. Hönig. 2,659,325, Nov. 17.
Roofing and roof construction. C. A. McElbone. 2,642,824, June 23.
Roofing or siding assembly. A. Alvarez, Jr. 2,659,323, Nov. 17.
Roofing retainer. H. C. Young. 2,641,204, June 9.
Roofing tiles and the like, Method of and apparatus for the manufacture. G. W. A. Agar. 2,644,217, July 7.
Room with movable bed for railway sleeping cars or the like. M. Watter. 2,628,366, Feb. 17.
Root crop lifter. C. B. Richey. 2,651,156, Sept. 8.
Root rake shoe. T. W. Peacock and G. W. Peacock, Sr. 2,625,870, Jan. 20.
Root ripping attachment for bulldozers. C. A. Dobrinich, Jr. 2,626,468, Jan. 27.
Rooting machine, Hydraulically actuated. F. M. Nordone. 2,633,345, Mar. 31.
Rope and cable joint. E. C. Elsner. 2,651,824, Sept. 15.
Rope attaching means. S. S. Roby. 2,635,904, Apr. 21.
Rope clamp. J. J. Colonna. 2,640,240, June 2.
Rope connection. T. G. Hunt. 2,626,447, Jan. 27.
Rope puller P. S. Arnold. 2,628,813, Feb. 17.
Rosary assemblage. S. J. Czerwicznik. 2,631,850, Sept. 15.
Rosary cross case. F. X. and G. C. Menz. 2,637,438, May 5.
Rosary, Permanent. J. J. Cummings and A. J. Shimkus. 2,653,395, Sept. 29.
Rotary abrading strip holder. L. Lynch. 2,654,192, Oct. 6.
Rotary abrasive head. A. R. Tenny. 2,625,774, Jan. 20.
Rotary and reciprocating multiple valve. J. Galera. 2,626,810, Jan. 27.
Rotary and sliding bolt lock. E. Mancuso. 2,656,704, Oct. 27.
Rotary aspirator pump. R. C. Schlichtig. 2,630,963, Mar. 10.
Rotary auger and saw bit. I. Chafins. 2,629,113, Feb. 24.
Rotary bit operating mechanism. H. W. McDonald. 2,655,344, Oct. 13.
Rotary bladed or like assembly. E. M. Butcher. 2,646,920, July 28.
Rotary blender. A. J. Schaefer. 2,650,805, Sept. 1.
Rotary bowl support. J. D. and M. L. S. Rosier. 2,648,514, Aug. 11.
Rotary brush for suction cleaners. R. C. Osborn. 2,659,921, Nov. 24.
Rotary compress pump. R. G. Olden. 2,629,333, Feb. 24.
Rotary connector switch. M. E. Griffins. 2,652,454, Sept. 15.
Rotary coupling and valve. D. F. Collins. 2,656,847, Oct. 27.
Rotary cutter. H. E. Begle and G. F. Gaudreau. 2,648,893, Aug. 18.
Rotary cutter bit. O. Junker. 2,658,261, Nov. 10.

Rotary cutter bit. G. F. H. von Stroh. 2,657,916, Nov. 3.
Rotary cutting tool. F. R. Lankford. 2,628,512, Feb. 17.
Rotary cylinder lock. E. Uher. 2,647,391, Aug. 4.
Rotary data specifier for stock parts. A. K. Neilson. 2,624,140, Jan. 6.
Rotary disk type homogenizing mill. J. H. Mallinson and C. J. Geyer, Jr. 2,652,201, Sept. 15.
Rotary drainage screen. A. T. Hurter. 2,664,204, Dec. 29.
Rotary drier. H. F. Irving. 2,624,124, Jan. 6.
Rotary drill. J. S. Johnson. 2,634,955, Apr. 14.
Rotary drilling bit. T. A. White. 2,656,153, Oct. 20.
Rotary drilling, Method and means of. O. G. Wallace. 2,624,549, Jan. 6.
Rotary drum filter. T. R. Komline. 2,652,928, Sept. 22.
Rotary drum suction filter. F. H. Allman-Ward. 2,626,058, Jan. 20.
Rotary earth boring bit. G. H. Lanchester. 2,648,526, Aug. 11.
Rotary electrical switch. D. W. Snow. 2,662,954, Dec. 15.
Rotary electrostatic filter. C. W. Savitz. 2,663,380, Dec. 22.
Rotary engine. A. Le Pechoux. 2,651,295, Sept. 8.
Rotary expansion engine. G. E. Mallinckrodt. 2,638,880, May 19.
Rotary expansion engine. G. E. Mallinckrodt. 2,649,080, Aug. 18.
Rotary feeding device. H. S. Messing. 2,652,935, Sept. 22.
Rotary filing apparatus. B. Discount. 2,651,305, Sept. 8.
Rotary filter press. K. A. Mack. 2,631,527, Mar. 17.
Rotary flanged disk weed cutter. J. P. and F. L. Bauer. 2,633,790, Apr. 7.
Rotary fluid coupling. J. E. Becker. 2,627,166, Feb. 3.
Rotary fluid machine assembly. J. A. Petrie. 2,625,790, Jan. 20.
Rotary fluid pump. E. L. Baugh and D. D. Wallace. 2,631,540, Mar. 17.
Rotary fruit feeder. L. A. Wells. 2,644,568, July 7.
Rotary gas burner. L. P. Locke. 2,646,788, July 28.
Rotary gas engine. R. H. Lesher. 2,627,253, Feb. 3.
Rotary grinding ball mill. E. H. Cumpston, Jr. 2,633,303, Mar. 31.
Rotary hydraulic coupling. C. A. Oding. 2,649,689, Aug. 25.
Rotary hydraulic coupling. E. L. Venstrom. 2,651,919, Sept. 15.
Rotary hydraulic coupling. E. Wang. 2,654,223, Oct. 6.
Rotary hydraulic coupling. L. J. Wolf. 2,625,014, Jan. 13.
Rotary hydraulic pump. C. J. Coberly. 2,625,109, Jan. 13.
Rotary impeller pump. C. J. Stuban. 2,625,112, Jan. 13.
Rotary intaglio doctor mechanism. C. A. Harless. 2,644,394, July 7.
Rotary joint. F. E. Palmer. 2,631,048, Mar. 10.
Rotary joint with fluid seal. E. M. May. 2,635,931, Apr. 21.
Rotary lock joint. V. E. Gleasman. 2,636,760, Apr. 28.
Rotary machine. N. N. Stråtveit. 2,649,053, Aug. 18.
Rotary machine adapted to operate as a pump, compressor, or motor. G. H. Péguet and A. Guyennon. 2,646,756, July 28.
Rotary machine for compacting loose material to solid prismatic lumps. J. L. Chambon. 2,656,797, Oct. 27.
Rotary multiple contact switch. F. Krahulec. 2,658,963, Nov. 10.
Rotary, multiple turbine hydraulic coupling. F. W. Seybold. 2,627,723–4, Feb. 10.
Rotary pan filter. D. M. Schwartz. 2,637,443, May 5.
Rotary piston air pump. A. Brăm. 2,646,206, July 21.
Rotary piston internal-combustion engine. J. E. Pridham. 2,651,177, Sept. 8.
Rotary plate electrical precipitator. F. J. Dohrer. 2,631,687, Mar. 17.
Rotary plug type valve. R. B. Resek. 2,661,926, Dec. 8.
Rotary plug valve seat. A. L. Parker. 2,628,060, Feb. 10.
Rotary positive displacement pump. W. J. Hoenecke. 2,626,571, Jan. 27.
Rotary pressure fluid seal. J. T. Barron. 2,653,833, Sept. 29.
Rotary price and name tag cabinet. O. Mitchell. 2,632,267, Mar. 24.
Rotary pump. C. H. Brawley. 2,635,548, Apr. 21.
Rotary pump. F. L. Carson. 2,659,313, Nov. 17.
Rotary pump. C. L. English. 2,657,638, Nov. 3.
Rotary pump. L. B. Harrington. 2,651,999, Sept. 15.
Rotary pump. W. Hyre. 2,632,399, Mar. 24.
Rotary pump. J. P. Johnson. 2,648,289, Aug. 11.
Rotary pump. E. Mayus and W. G. See. 2,663,263, Dec. 22.
Rotary pump. F. R. McFarland. 2,637,275, May 5.
Rotary pump. E. M. Michailitsianos. 2,663,264, Dec. 22.
Rotary ram jet propelled motor. U. A. Moores. 2,633,701, Apr. 7.
Rotary rat fatigue machine. D. J. Ingle. 2,663,282, Dec. 22.
Rotary roasting fork. L. A. Norville, Jr., and J. L. McDonald, Jr. 2,629,313, Feb. 24.
Rotary rock drilling bit. D. H. Francis. 2,639,896, May 26.
Rotary shaft controlled motor vehicle traffic signal. J. L. Smith. 2,632,152, Mar. 17.
Rotary sliding vane pump. E. A. Dawson. 2,631,546, Mar. 17.
Rotary steam drier. G. Engstrom. 2,648,914, Aug. 18.
Rotary suction pump. H. G. Beck. 2,629,540, Feb. 24.
Rotary surface-finishing tool. W. N. Delenk. 2,654,978, Oct. 13.
Rotary, turbine-type fluid coupling. F. W. Seybold. 2,658,346, Nov. 10.
Rotary, turbine type hydraulic coupling. A. MacKenzie, Jr. 2,655,789, Oct. 20.
Rotary-type motor vehicle door lock. T. C. Dingman and J. W. Jamieson. 2,634,148, Apr. 7.
Rotary valve. R. B. Walder. 2,663,290, Dec. 22.
Rotary valve controlled multicylinder internal-combustion engine. W. Bensinger. 2,648,318, Aug. 11.
Rotary vane pump. F. E. Smith and J. F. Murray. 2,662,483, Dec. 15.
Rotary vane pump. J. S. Wilcox. 2,631,544, Mar. 17.
Rotary weight-impact crushing mill. N. L. Hall. 2,653,769, Sept. 29.
Rotary work holding table. J. H. Wilson. 2,660,074, Nov. 24.
Rotatable brushing tool for cleaning pipe threads. S. W. Petre. 2,629,121, Feb. 24.
Rotatable garment support. J. C. Mattocks. 2,635,764, Apr. 21.
Rotatable top combination woodworking machine. E. J. Verret. 2,656,861, Oct. 27.
Rotatable welding ground clamp. J. L. Elkins. 2,642,560, June 16.
Rotating amusement apparatus. M. Myers. 2,657,054, Oct. 27.
Rotating bed adsorber. E. L. Moragne. 2,662,607, Dec. 15.
Rotating chance game apparatus. J. B. Bergh. 2,626,156, Jan. 20.
Rotating spool servo valve. W. L. Parker. 2,664,097, Dec. 29.
Rotating trap portioning device for granular materials. A. G. Rose, J. A. Kay, and J. Page. 2,657,832, Nov. 3.
Rotational seismometer. R. G. Piety. 2,637,839, May 5.
Rotative wing aircraft. W. E. Hunt. 2,639,775, May 26.
Roto reflector. S. Bradler. 2,642,777, June 23.
Rotor and shaft assembly for vertical electric motors. T. R. Wieseman. 2,635,198, Apr. 14.
Rotor arrangement for single-rotor helicopters. J. E. McDonald. 2,626,766, Jan. 27.
Rotor assembly, Automatically balanced. G. Rathman. 2,664,304, Dec. 29.
Rotor blade attachment means and method. H. A. Greenwald. 2,639,119, May 19.
Rotor blade locking. P. D. Comery and J. T. Purvis. 2,641,443, June 9.
Rotor blade, Molded aircraft sustaining. P. H. Stanley. 2,659,444, Nov. 17.
Rotor blade, Plastic. F. R. Ellenberger. 2,630,868, Mar. 10.
Rotor blade, Spar type. D. N. Meyers. 2,644,537, July 7.
Rotor blade with airflow control, Aircraft sustaining. H. F. Pitcairn. 2,638,990, May 19.
Rotor brake. C. E. Tack. 2,656,900, Oct. 27.
Rotor brake. C. E. Tack. 2,661,818, Dec. 8.
Rotor carrier. A. A. Corder. 2,624,473, Jan. 6.
Rotor comprising pivoted hammer provided with armored outer portion and plate-shielded inner portion. W. C. Rogers. 2,647,695, Aug. 4.
Rotor construction for compressors and turbines. W. A. Ledwith. 2,639,885, May 26.
Rotor construction for fluid machines. E. A. Stalker. 2,649,278, Aug. 18.
Rotor for compressing machines such as centrifugal blowers and pumps. A. Büchi. 2,652,191, Sept. 15.
Rotor for corn shellers. M. W. Nixon. 2,626,611, Jan. 27.
Rotor for dynamoelectric machines. F. H. Fleischer. 2,648,788, Aug. 11.
Rotor for dynamoelectric machines. T. R. Wieseman. 2,655,613, Oct. 13.
Rotor for fluid machines. J. Blanc. 2,662,685, Dec. 15.
Rotor for fluid transferring devices, Self-sealing. I. H. Lehman. 2,644,402, July 7.
Rotor for gas turbines. C. M. McDowell. 2,635,848, Apr. 21.
Rotor, Fruit stamping. H. J. Mumma. 2,631,535, Mar. 17.
Rotor head. M. D. Bulvid. 2,638,994, May 19.
Rotor head. G. S. Doman. 2,648,387, Aug. 11.
Rotor head for rotary wing aircraft. S. Hiller, Jr. and H. H. Sigler. 2,631,679, Mar. 17.
Rotor, Helicopter. I. I. Sikorsky. 2,643,724, June 30.
Rotor means for helicopters and the like. H. H. Reuther. 2,628,683, Feb. 17.
Rotor, Turbine. T. L. Swansen. 2,631,004, Mar. 10.
Rotor wheel. J. Jandasek. 2,632,397, Mar. 24.
Rotor wheel. O. M. Koskinen. 2,632,396, Mar. 24.
Rotor wheel. O. M. Koskinen. 2,660,957, Dec. 1.
Rotor with blade stabilizing weights, Air displacement. B. Kelley. 2,644,536, July 7.
Rotor with cooling means, Turbo-machine. K. D. McMahan. 2,643,851, June 30.
Rotor with tilting hub and damper control of blade swinging, Aircraft. P. H. Stanley. 2,639,776, May 26.
Round cornering machine. C. C. Cruzan. 2,656,888, Oct. 27.
Roundabout, Occupant propelled. B. E. Norvell. 2,638,345, May 12.
Roundness checking gauge. R. D. Kiehl and R. E. Wagenhals. 2,651,845, Sept. 15.

Router, Portable track-guided tilt. R. F. Turnbull. 2,630,151, Mar. 3.
Router, Rocking type portable. R. F. Turnbull. 2,630,152, Mar. 3.
Router with adjustably mounted drill for stereotype plates. C. C. Baker. 2,644,371, July 7.
Routing machine for removing defects from wood. E. V. Bennett and H. Renn. 2,644,495, July 7.
Routing machine, Pocket. L. White. 2,643,690, June 30.
Row-crop thinning machine, Electric. N. L. and J. H. McCreight. 2,632,285, Mar. 24.
Row marker. W. W. Geiling. 2,650,533, Sept. 1.
Rowel type pipe cleaning tool. R. A. J. Dawson. 2,657,409, Nov. 3.
Rub apron. A. L. Freedlander and H. M. Bacon. 2,630,603, Mar. 10.
Rubbing machine, Portable. H. R. Johnson. 2,635,396, Apr. 21.
Rubber article, Inflatable. M. L. Harrison and W. D. Stearns. 2,625,209, Jan. 13.
Rubber closure for pharmaceutical vials. C. H. Parsons and W. J. Rumpf. 2,649,090, Aug. 18.
Rubber compositions with oxidized microcrystalline wax. G. G. Rumberger. 2,662,864, Dec. 15.
Rubber core mold. H. H. Easterday. 2,646,606, July 28.
Rubber foam mixer. G. A. Spencer. 2,627,394, Feb. 3.
Rubber hose, Making reinforced. F. L. Burton. 2,652,093, Sept. 15.
Rubber processing. B. C. Barton. 2,658,092, Nov. 3.
Rubber processing composition. W. A. Schulze. 2,659,677, Nov. 17.
Rubber reclaiming apparatus. E. F. Sverdrup. 2,633,602, Apr. 7.
Rubber roller. H. Clements. 2,658,262, Nov. 10.
Rubber stabilized with a thiourea derivative. E. F. Hill and D. O. De Pree. 2,651,667, Sept. 8.
Rubber stamp pencil combination. A. D. Claggett and D. M. Miller. 2,627,227, Feb. 3.
Rubber stamps, Making. R. P. Adams. 2,655,693, Oct. 20.
Rubber stopper and preparing same, Coated. R. R. Umbdenstock. 2,652,182, Sept. 15.
Rubber tire valve. O. W. Hosking. 2,652,067, Sept. 15.
Rubber tired gauge wheel. E. W. Todd. 2,648,369, Aug. 11.
Rubber traction member, Nonskid. D. E. Crooker. Re. 23,689, July 28.
Rubberizing hollow articles of fibrous material. J. Duarry-Serra. 2,661,306, Dec. 1.
Rubbery compounds suitable for production of tire treads, Making. T. A. Te Grotenhuis. 2,656,324, Oct. 20.
Rudder and propeller drive assembly, Combination. C. H. Stahmer. 2,627,243, Feb. 3.
Rudder and propulsion device, Combination. J. W. Frasure. 2,656,809, Oct. 27.
Rudder, Automatic variable surface. E. L. Carrier. 2,635,575, Apr. 21.
Ruffling machine. H. Kruglick. 2,653,558, Sept. 29.
Rug cleaning and shampooing machine. E. Berberian. 2,633,595, Apr. 7.
Rug feeding apparatus. J. P. Wilson and W. H. Scott. 2,657,045, Oct. 27.
Rug handling mechanism. K. C. Jones and L. L. Collins. 2,649,279, Aug. 18.
Rug sample display rack. O. W. Patterson and K. H. Bowen. 2,643,774, June 30.
Rug scouring apparatus. H. C. Hartenbach, Jr. 2,656,701, Oct. 27.
Rug scrubbing machine. K. C. Atkin. 2,624,896, Jan. 13
Rule and cursor with hairline adjusting means, Slide. P. E. Gaire. 2,643,059, June 23.
Rule attachment, Adjustable miter. W. T. Kearney. 2,638,134, May 12.
Rule, Circular slide. H. A. Sawyer, Jr. 2,634,913, Apr. 14.
Rule, Compass. L. J. Gordon and L. Sheldon. 2,648,131, Aug. 11.
Rule, Cuff. J. L. Pallos. 2,644,236, July 7.
Rule, Extensible. L. E. Smiley. 2,642,667, June 23.
Rule, Impedance. N. E. Sprecher. 2,627,114, Feb. 3.
Rule, Slide. M. J. Quillinan. 2,628,025, Feb. 10.
Rule, Slide. M. J. Quillinan. 2,643,057-8, June 23.
Rule, Slide. M. J. Quillinan. 2,643,823, June 30.
Rule, Slide. G. R. Stibitz. 2,649,247, Aug. 18.
Rule, Slide. P. J. Tolen. 2,650,762, Sept. 1.
Rule with a detachable connection, Collable. F. A. Volz. 2,646,940, July 28.
Rule with decimal point indicator, Disk slide. J. M. A. Allais. 2,658,671, Nov. 10.
Ruler construction. F. O. Carlson. 2,629,180, Feb. 24.
Ruler gauge. L. J. Klimek. 2,649,784, Aug. 25.
Ruler or gauge for trousers, Straight and slant bottom. J. Montes and S. Lo Presti. 2,630,629, Mar. 10.
Ruler, Plastic folding. J. F. Fleming. 2,633,641, Apr. 7.
Ruler, Tape. J. J. Evans. 2,636,694, Apr. 28.
Ruling and striping device. C. E. Burckel. 2,638,673, May 19.
Ruling and striping device. C. E. Burckel. 2,660,951, Dec. 1.
Ruling machine. J. D. Moore. 2,661,538, Dec. 8.
Runout detector. J. O. Hamilton. 2,643,306, June 23.
Runway construction, Prefabricated. A. P. Robishaw. 2,639,650, May 26.
Runner and base, Combination. G. B. Collman. 2,663,181, Dec. 22.
Running of industrial furnaces, Process of and means for the continuous. G. Zotos. 2,637,544, May 5.
Rung assembly for folding chairs. G. H. Norquist. 2,633,901, Apr. 7.
Rupturable crown cap. D. L. Wener. 2,652,165, Sept. 15.
Rupture diaphragm unit. W. F. MacGlashan, Jr. 2,663,458, Dec. 22.
Rural mailbox signal. S. H. Thomas. 2,639,856, May 26.
Rust inhibiting composition. W. J. Kopf and L. C. Westcott. 2,634,237, Apr. 7.
Rust inhibiting composition. J. P. McDermott. 2,631,979, Mar. 17.
Rust inhibiting composition. H. W. Rudel and M. Gargisa. 2,644,793, July 7.
Rust inhibiting composition. K. F. Schiermeier and P. W. Jones. 2,632,709, Mar. 24.
Rust inhibiting composition. K. F. Schiermeier and H. A. Foltz. 2,661,296, Dec. 1.
Rust inhibitor for light petroleum products. P. S. Landis and E. B. Backensto. 2,632,695, Mar. 24.
Rust preventative composition. A. J. Morway and D. W. Young. 2,629,666, Feb. 24.
Rust preventive compositions containing a wax-soap base. J. W. Romberg. 2,627,474, Feb. 3.
Rutin concentrates, Production of. H. Miller. 2,626,869, Jan. 27.
Rutin derivatives and production thereof. P. Chabrier, P. R. L. Giudicelli, and C. H. Génot. 2,646,428, July 21.
S-shaped electrical connecting and clamping strap. R. T. Roth, E. E. Roth, and N. Klauder. 2,651,026, Sept. 1.
S-(sulfurized terpene hydrocarbon)dithiophosphoric acid triesters and producing the same. E. O. Hook and L. C. Beegle. 2,627,523, Feb. 3.
Sac filling machine. M. Knobel. 2,638,257, May 12.
Sack collapsing mechanism for fountain pens. D. J. La France. 2,636,477, Apr. 28.
Sack handling device for lift trucks. N. C. Jannsen. 2,628,734, Feb. 17.
Sack holder. J. D. Diserens. 2,643,842, June 30.
Sack or the like, Cement. R. E. Berglund. 2,634,901, Apr. 14.
Sacking device with open-ended body having sack gripping devices thereon. S. Tanabe. 2,636,656, Apr. 28.
Sacrificial anode. R. D. Taylor. 2,645,612, July 14.
Saddle and oiler for upper draft rollers of spinning frames, Combined. F. Aldridge. 2,627,090, Feb. 3.
Saddle mount. D. Mettetal, Jr. 2,647,760, Aug. 4.
Saddle structure. D. O. Diaz. 2,624,167, Jan. 6.
Saddle valve. E. J. Hunter. 2,660,192, Nov. 24.
Sadiron lift, Snap action. G. Browning. 2,642,682, June 23.
Safe dispensing container. J. G. Heim. 2,632,280, Mar. 24.
Safe, Letter. O. H. and E. M. Smith. 2,650,150, Aug. 25.
Safeguarding against prolonged cessation of operation of turbojet engines, Method and apparatus for. W. O. Thompson. 2,659,200, Nov. 17.
Safety apparatus for elevators. E. A. Sahlin. 2,646,858, July 28.
Safety appliance for switches. H. C. Berger. 2,659,780, Nov. 17.
Safety arrangement for presses. C. J. Meyers. 2,649,943, Aug. 25.
Safety arrangement for presses, Switchless. C. J. Meyers. 2,649,944, Aug. 25.
Safety attachment for tape operated line casting machines. P. Hilpman. 2,663,407, Dec. 22.
Safety battery connector switch. G. G. Truax. 2,639,341, May 19.
Safety box for permanent installation, Small. R. D. McBride. 2,635,563, Apr. 21.
Safety cap for pressurized gas tanks. C. H. Flubacker. 2,636,634, Apr. 28.
Safety car seat. A. I. Roeder. 2,642,923, June 23.
Safety catch. E. Morehouse. 2,645,834, July 21.
Safety chuck key with ejector means. T. J. Dossie. 2,660,081, Nov. 24.
Safety cigarette holder. R. F. Jones and F. A. Hollins. 2,625,163, Jan. 13.
Safety control and ignition apparatus for gaseous fuel burners. C. K. Strobel. 2,628,677, Feb. 17.
Safety control and signal system for motor vehicles. H. T. Higgins. 2,629,085, Feb 17.
Safety control device. J. H. Thornbery. 2,645,238, July 14.
Safety control for engine governors. R. C. Barnes. 2,645,474, July 14.
Safety control for multiple ironing machines. J. H. Leef. 2,634,522, Apr. 14.
Safety control for multiple ironing machines. J. H. Leef. 2,652,643, Sept. 22.
Safety control for welders. J. B. Welch. 2,650,977, Sept. 1.
Safety control fuel valve. W. A. Ray. 2,624,358, Jan. 6.
Safety control mechanism for hydraulic apparatus. H. V. Mills. 2,661,722, Dec. 8.
Safety control system for fuel burners. G. G. Outterson. 2,655,207, Oct. 13.
Safety control system for mines. N. L. Stephenson. 2,645,330, July 14.

Safety coupling mechanism for semitrailers. J. J. Black. 2,625,406, Jan. 13.
Safety crash pad for vehicles. F. M. Scantlebury. 2,626,163, Jan. 20.
Safety cutoff valve. T. J. Sullivan. 2,637,331, May 5.
Safety device. R. J. Kutzler. 2,648,734, Aug. 11.
Safety device. R. J. Kutzler. 2,652,065, Sept. 15.
Safety device. A. M. Williamson. 2,635,712, Apr. 21.
Safety device for automotive vehicles. J. Kriseman. 2,625,051, Jan. 13.
Safety device for belt conveyers. J. H. Cox. 2,631,717, Mar. 17.
Safety device for die-sets. N. M. Marsilius. 2,627,313, Feb. 3.
Safety device for doorknob locks. L. W. Birbaum. 2,655,398, Oct. 13.
Safety device for gas ovens. T. E. Phares. 2,655,142, Oct. 13.
Safety device for high chairs or the like. C. D. Davis. 2,658,564, Nov. 10.
Safety device for hydraulic brakes. E. H. Owens. 2,625,951, Jan. 20.
Safety device for induction fired rockets, Ignition. C. F. Bjork and M. F. Bondy. 2,640,417, June 2.
Safety device for instrument approach systems. C. C. Pine and C. L. Sharp. 2,654,086, Sept. 29.
Safety device for monorail cars. H. Omsted. 2,663,267, Dec. 22.
Safety device for motor vehicles, Crash controlled. G. H. Whiteside. 2,632,519, Mar. 24.
Safety device for motor vehicles with automatic transmissions. H. A. Kutzer. 2,626,003, Jan. 20.
Safety device for power lifts, Automatic. E. C. Gilbert, Jr. 2,629,851, Feb. 24.
Safety device for presses. P. N. Shaw. 2,642,755, June 23.
Safety device for record feeding controls. H. R. Wood. 2,627,964, Feb. 10.
Safety device for sliding doors. R. G. Nichols. 2,643,421, June 30.
Safety device for transformers with expansion tanks. L. J. Egger. 2,639,308, May 19.
Safety device for transformers with oil reservoir. L. Egger. 2,639,309, May 19.
Safety device for vehicle brake systems. H. H. Osborne. 2,624,176, Jan. 6.
Safety device for water supply networks. L. C. E. Frager. 2,659,383, Nov. 17.
Safety door latch. J. M. Schumann. 2,629,246, Feb. 24.
Safety drive clutch. H. D. Lathrop. 2,643,530, June 30.
Safety electric fuse connector. W. Korecki. 2,637,793, May 5.
Safety fishhook holder. F. Woodhead. 2,629,200, Feb. 24.
Safety for firearms, Trigger. V. A. Browning. 2,657,490, Nov. 3.
Safety fuse for room heaters and the like. A. J. Huck. 2,626,340, Jan. 20.
Safety gas valve. D. A. Brown and J. H. Hurlbut. 2,650,766, Sept. 1.
Safety guard for fluorescent lamps. C. E. Foster. 2,636,977, Apr. 28.
Safety interlock switch. D. Satinoff. 2,656,425, Oct. 20.
Safety latch. C. D. Best. 2,637,579, May 5.
Safety load bracing device for vehicles. P. Snyder. 2,626,165, Jan. 20.
Safety lock. A. Gisiger. 2,628,491, Feb. 17.
Safety means for electrical apparatus. F. L. Maltby. 2,628,333, Feb. 10.
Safety means for leaving doors ajar. C. P. Kessler. 2,662,571, Dec. 15.
Safety mechanism for uncoupling a shaft from the driving member of a machine. A. van Haandel. 2,656,906, Oct. 27.
Safety mechanism or control for elevators. W. Doolan. 2,644,546, July 7.
Safety pilot control. H. F. Schoenfeld and R. J. Smithsler. 2,627,867, Feb. 10.
Safety pin. P. A. Alessi. 2,627,096, Feb. 3.
Safety pin. C. M. Clark. 2,633,617, Apr. 7.
Safety pin. J. E. Sampson. 2,625,724, Jan. 20.
Safety pin. H. C. Whittaker. 2,630,611 Mar. 10.
Safety pressure device. R. S. Coffman. 2,656,950, Oct. 27.
Safety pressure device. R. S. Coffman and H. N. Simms. 2,661,121, Dec. 1.
Safety razor blade dispenser. Z. Auerbach. 2,628,710, Feb. 17.
Safety seat for vehicles. L. A. Woodsworth. 2,660,222, Nov. 24.
Safety shower stall door lock. A. Marchand. 2,632,537, Mar. 24.
Safety shutoff valve. O. Lutherer. 2,630,832, Mar. 10.
Safety snap hook. T. R. Roberts. 2,657,446, Nov. 3.
Safety stop device. A. C. Christensen. 2,652,914, Sept. 22.
Safety stop for bed and cylinder printing presses. J. F. Banthin. 2,626,564, Jan. 27.
Safety switch. L. A. Dickinson. 2,659,791, Nov. 17.
Safety switch. J. W. Hunt. 2,636,953, Apr. 28.
Safety switch. A. M. Lessard. 2,626,328, Jan. 20.
Safety switch. H. A. Locey. 2,644,868, July 7.
Safety switch cutout for automatic laundry machines. H. E. Morrison. 2,624,464, Jan. 6.
Safety system for luminescent tubes. R. C. Hultgren. 2,644,911, July 7.
Safety system for pipe lines. R. E. Meynig. 2,635,626, Apr. 21.
Safety valve. R. W. Dayton. 2,628,632, Feb. 17.
Safety valve. C. H. Folmsbee. 2,628,633, Feb. 17.
Safety valve. W. E. Whitney. 2,634,948, Apr. 14.
Safety valve for regulating and testing light pressures. G. Kulick. 2,629,399, Feb. 24.
Sagebrush puller or uprooter. M. C. Choate. 2,624,998, Jan. 13.
Sailboat construction. L. Sveinsson. 2,643,628, June 30.
Sales and display package of drapery hooks. C. Tate. 2,654,476, Oct. 6.
Sales book holder. B. K. Slonneger. 2,628,878, Feb. 17.
Sales stimulating panel. J. A. T. Ellison. 2,626,389, Jan. 20.
Sales ticket cartridge. J. C. Condon. 2,649,193, Aug. 18.
Salicylaldehyde polymeric polyprimary polyamine condensation products. J. T. Maynard. 2,634,253, Apr. 7.
Saligenin derivatives, Production of. E. C. Britton and J. D. Head. 2,646,446, July 21.
Saliva ejector. G. A. Otis. 2,637,106, May 5.
Salt attachment for icing machines. H. O. McLain. 2,637,980, May 12.
Salt block holder. J. Scheidt and L. A. Teegardin. 2,661,719, Dec. 8.
Salt brine, Production of. J. A. Dunn and H. W. Diamond. 2,641,537, June 9.
Saltcellar. N. A. Gordon. 2,644,616, July 7.
Salt cellar, Moistureproof. J. P. Soares and S. J. London. 2,643,797, June 30.
Salt composition. F. G. Miller. 2,664,357, Dec. 29.
Salt crystallization process. W. K. Gilkey and A. C. Shuman. 2,655,438, Oct. 13.
Salt dentifrice. J. E. Brandenberger. 2,658,851, Nov. 10.
Salt dispenser. M. D. Vivolo. 2,656,074, Oct. 20.
Salt drying and cooling apparatus. C. S. Robison. 2,624,955, Jan. 13.
Salt solutions of high acrylonitrile polymers. G. W. Stanton, T. B. Lefferdink, and T. C. Spence. 2,648,646, Aug. 11.
Salt spray. F. A. Whitney. 2,641,989, June 16.
Salt water still. G. H. Silva. 2,629,687, Feb. 24.
Salts of d-amidone with an optically active acid and resolving di-amidone. E. E. Howe and M. Tishler. 2,644,010, June 30.
Salts of N-nitroso phenylhydroxyl amines as fungicides and bactericides. J. T. Massengale. 2,635,978, Apr. 21.
Salts of penicillin with dimethylamino, diphenyl-substituted esters. H. W. Rhodehamel, Jr. 2,654,749, Oct. 6.
Salts of penicillin with O-(2-aminoalkylamino)-benzoic acid esters. H. W. Rhodehamel, Jr. 2,654,739, Oct. 6.
Salts of 7-iodo-8-hydroxy-quinoline-5-sulfonic and 7-haloquinolines carrying a dialkylamino-alkylamino substituent in the 4-position. K. Koenig and H. Andersag. 2,650,224, Aug. 25.
Salvaging device for garbage disposal units. A. Janows. 2,630,918, Mar. 10.
Sample display case. J. Daleo and S. Foglio, Jr. 2,646,143, July 21.
Sample taking device. P. C. Sawers. 2,660,063. Nov. 24.
Sample taking device, Sidewall. L. E. Brown and O. W. Williams. 2,640,342, June 2.
Sample taking tool. G. A. Humason. 2,633,200, Mar. 31.
Sampler. W. L. McClure and R. N. Pim. 2,640,358, June 2.
Sampling adapter for receptacles. H. A. Quist. 2,650,499, Sept. 1.
Sampling and handling of mineral specimens. F. H. Bailly. 2,662,401, Dec. 15.
Sampling apparatus. J. Visman. 2,654,249, Oct. 6.
Sampling apparatus, Liquid. E. R. Harrington. 2,654,250, Oct. 6.
Sampling device, Fluid. E. R. Harrington. 2,654,251, Oct. 6.
Sampling machine. A. A. Armer. 2,650,498, Sept. 1.
Sand agitator for well pumps. B. R. Hilliger. 2,662,486, Dec. 15.
Sand-anchoring device. D. Brown. 2,643,843, June 30.
Sandblasting device R. R. Berg. 2,628,456, Feb. 17.
Sandblasting device. G. Kroll and L. Handleman. 2,628,457, Feb. 17.
Sand classifying apparatus. L. F. Bush. 2,661,839, Dec. 8.
Sand flow control mechanism. M. J. Bell. 2,627,356, Feb. 3.
Sand handling apparatus. G. J. Koren. 2,650,396, Sept. 1.
Sand sluicer adapted for removal of sand bars by ocean tides. C. Montagna. 2,634,588, Apr. 14.
Sand trap cleanout. F. E. Saari and G. V. W. Roth. 2,638,369, May 12.
Sand treating apparatus. G. M. Butzow. 2,631,834, Mar. 17.
Sandpaper and backing therefor, Waterproof. C. W. Foss and H. W. Buell. 2,642,349, June 16.
Sander. J. W. Coveney. 2,639,175, May 19.
Sander. G. H. Crouse. 2,631,874, Mar. 17.
Sander attachment for shaping machines. P. P. Zwirek. 2,627,706, Feb. 10.
Sander for automotive vehicles. P. J. Sundheim. 2,625,417, Jan. 13.

Sander, Hand. L. J. Meers. 2,626,490, Jan. 27.
Sander head. G. W. Bruner. 2,627,705, Feb. 10.
Sander, Oscillating. K. C. Atkin. 2,639,564, May 26.
Sanding and polishing spools and the like, Method and apparatus for. C. J. Lippold. 2,654,188, Oct. 6.
Sanding block. G. Sierchio. 2,663,979, Dec. 29.
Sanding block construction. R. G. Thompson. 2,626,489, Jan. 27.
Sanding device. J. H. Schubert. 2,657,508, Nov. 3.
Sanding device for locomotives. H. G. Foster. 2,654,622, Oct. 6.
Sanding device for vehicles. S. G. Storberg. 2,626,823, Jan. 27.
Sanding machine, Belt. S. and H. C. Johannsen. 2,651,891, Sept. 15.
Sanding, scraping, and polishing machine. E. List. 2,641,721, June 9.
Sandals, Making platform. C. Raphaell and I. Minkov. 2,641,005, June 9.
Sandwich cutting block. E. B. Turpin. 2,652,087, Sept. 15.
Sandwich machine. S. F. Anderson. 2,639,677, May 26.
Sandwich machine for applying coatings to bakery goods. H. P. Curlee. 2,638,868, May 19.
Sandwich-making machine. J. L. Whitsel. 2,626,575, Jan. 27.
Sandwiches, Making. C. W. Gentry. 2,642,822, June 23.
Sanitary apparatus for dispensing measured quantities of liquid, Automatic. R. E. Corradini, L. S. Lynch, O. Bonomi, and G. C. Engel. 2,654,517, Oct. 6.
Sanitary belt. V. W. Carpenter. 2,652,058, Sept. 15.
Sanitary belt. R. M. Seals. 2,624,340, Jan. 6.
Sanitary container. K. Dorner. 2,627,996, Feb. 10.
Sanitary cream dispenser. J. F. Peal. 2,655,289, Oct. 13.
Sanitary device. A. Johnson. 2,640,484, June 2.
Sanitary fastener. R. O. Henszey. 2,663,212, Dec. 22
Sanitary napkin. R. L. Atkinson. 2,643,656, June 30.
Sanitary napkin. C. L. R. de Wet. 2,634,229, Apr. 7.
Sanitary napkin. R. W. Johnson. 2,625,161, Jan. 13.
Sanitary pad. W. G. Jacks. 2,662,527, Dec. 15.
Sanitary pump. F. Collura. 2,633,807. Apr. 7.
Sanitary pump. D. F. Thomas. 2,642,808, June 23.
Sanitary underwear liner. E. W. Schweikert. 2,629,380, Feb. 24.
Sash and frame, Adjustable. J. E. Haynes. 2,649,628, Aug. 25.
Sash assembly, Removable. D. R. Rogers. 2,624,923, Jan. 13.
Sash balance. D. Tappan. 2,627,082, Feb. 3.
Sash balance connector. A. Larson. 2,633,600, Apr. 7.
Sash balance for double hung windows. E. M. Padjen. 2,651,535, Sept. 8.
Sash construction. T. H. Pickering and H. N. Maier. 2,643,744, June 30.
Sash cord connector. M. Lipson. 2,657,422, Nov. 3.
Sash cord fastener. E. M. Trammell, Sr., and E. M. Trammell, Jr. 2,663,896, Dec. 29
Sash fastening means. M. J. Montalbano. 2,639,176, May 19.
Sash gate. J. J. E. Mesnager. 2,650,474, Sept. 1.
Sash guides and cup units, Making. G. B. Haas. 2,630,090, Mar. 3.
Sash kit, Storm window. R. Kaufman. 2,632,928, Mar. 31.
Sash lifter. E. E. Foster. 2,624,906, Jan. 13.
Sash lock. W. J. Zuber. 2,635,908, Apr. 21.
Sash of metal profiles for windows and doors. E. S. Persson. 2,626,024, Jan. 20.
Sash, Push-out. Y. W. Ehret. 2,641,031, June 9.
Sash rack. H. F. Weltz. 2,655,266, Oct. 13.
Sash unit, Ventilator. R. F. Hunter. 2,635,523, Apr. 21.
Sash ventilator. R. L. Klein. 2,624,263, Jan. 6.
Saturable core reactor system. F. Landau, J. E. Carlsson, and S. E. Hedström. 2,625,677, Jan. 13.
Saturable core transformer system. A. V. Hemingway and W. D. Atkinson. 2,661,453, Dec. 1.
Saturated carbocyclic oxesters and their preparation. T. M. Patrick, Jr. 2,647,918, Aug. 4.
Saturated fatty acids of improved color and color stability, Preparation of. D. E. Terry and D. T. Warner. 2,652,414, Sept. 15.
Saturating and cleaning cell, Expanded metal type. W. L. Fleisher. 2,636,572, Apr. 28.
Saucer. A. Valenti. 2,642,731, June 23.
Saucer grid. M. F. Babski. 2,660,040, Nov. 24.
Sausage link forming machine. A. H. Burnett and J. J. Prohaska. 2,651,808, Sept. 15.
Sausage making machine. W. Koller. 2,637,068, May 5.
Sausage package. J. B. Ames. 2,655,450, Oct. 13.
Saw, Adjustable power-driven circular. H. S. Forsberg. 2,657,719, Nov. 3.
Saw and guide therefor, Band. R. J. Houtte and R. E. Schwarzenberg. 2,627,881, Feb. 10.
Saw and housing for a plurality of cutting tools, Combined. F. W. Baukus. 2,631,368, Mar. 17.
Saw and level, Square. H. C. McConnell. 2,628,427, Feb. 17.
Saw, Angular and cross cutting power. J. S. Dziengiel, Jr. 2,655,955, Oct. 20.
Saw attachment for drills and the like. E. W. Desbarat. 2,649,871, Aug. 25.
Saw attachment for electric hand drills. C. G. Lindell. 2,662,562, Dec. 15.
Saw attachment for tractors, Bush. C. L. Spearman. 2,664,119, Dec. 29.
Saw attachment for tractors, Timber-moving. G. D. Duncan, Jr. 2,662,561, Dec. 15.
Saw, Automatic intermittent feed-and-cut cordwood. E. Hill. 2,663,330, Dec. 22.
Saw bar adjustment device. F. D. Arneson. 2,624,379, Jan. 6.
Saw blade, Hack. W. R. Chapin. 2,637,355, May 5.
Saw blade, Smoothing. A. E. Lundberg. 2,644,494, July 7.
Saw-blade supporting handle. E. J. Legassey and V. P. Leavitt. 2,634,994, Apr. 14.
Saw blade with piercing means, Reciprocating. F. S. Russell. 2,646,094, July 21.
Saw, Bow. J. E. Hammarström. 2,651,341, Sept. 8.
Saw, Brush. L. N. Haynes. 2,624,380, Jan. 6.
Saw, Carbide tipped planer. C. E. Drake. 2,659,397, Nov. 17.
Saw carriage for lumber trimming machines, Double. C. Blickenderfer, Jr., and W. S. Brownfield. 2,641,288, June 9.
Saw carrier guiding device. C. Stadick. 2,625,059, Jan. 13.
Saw, Chain. J. A. Abbott, G. H. Barber, A. K. Newman, and C. F. Schindler. 2,630,844, Mar. 10.
Saw chain. R. E. Ackley. 2,658,537, Nov. 10.
Saw chain. D. E. Gommel. 2,655,958, Oct. 20.
Saw chain. P. Y. Hinkley. 2,664,120, Dec. 29.
Saw, Chain. M. Merz. 2,632,484, Mar. 24.
Saw, Chain. H. E. Warren. 2,651,336, Sept. 8.
Saw clamp. C. H. Gladu. 2,647,418, Aug. 4.
Sawdust drying apparatus. J. R. Hecht. 2,639,911, May 26.
Saw feed mechanism with resilient cup feed rolls. G. O. Arvidson. 2,631,618, Mar. 17.
Saw, Flying hot. W. Rodder. 2,645,001, July 14.
Saw, Flying hot. T. Wilson and L. J. Hess. 2,632,232, Mar. 24.
Saw frame. A. S. Ellström. 2,624,205, Jan. 6.
Saw frame structure for releasably holding and tensioning saw blades. M. S. Swanstrom. 2,645,261, July 14.
Saw gauge and set, Circular. A. J. Mathes. 2,634,631, Apr. 14.
Saw guard, Chain. A. Woleslagle. 2,638,944, May 19.
Saw guard, Hack. L. S. Swain. 2,660,974, Dec. 1.
Saw guide, Power. J. A. Garberg. 2,630,147, Mar. 3.
Saw guide with an adjustable and tiltable platform, Portable power. A. J. McCluskey. 2,627,287, Feb. 3.
Saw guideway, Portable electric hand. R. Chappell. 2,634,767, Apr. 14.
Saw guide with board clamp thereon, Angularly adjustable. F. A. Taylor. 2,655,956, Oct. 20.
Saw, Hack. C. C. Enlow. 2,635,327, Apr. 21.
Saw, Hand band. W. R. Green and V. E. Long. 2,625,964, Jan. 20.
Sawhorse and work support, Convertible. R. P. Worthen. 2,652,079, Sept. 15.
Sawhorse, Collapsible. W. E. Miller. 2,644,726, July 7.
Sawhorse connector bracket. W. O. Bohm. 2,647,803, Aug. 4.
Sawhorse or trestle, Collapsible. E. J. Doucette. 2,635,013, Apr. 14.
Sawhorse or trestle, Collapsible. E. J. Doucette. 2,664,319, Dec. 29.
Sawhorse, Portable. J. L. Chelsea. 2,639,197, May 19.
Saw horse with a shiftable tool tray. C. O. Larson. 2,637,358, May 5.
Saw, Jig. W. L. Gaskell. 2,646,089, July 21.
Saw, Kerf planing. H. G. Marvin. 2,659,398, Nov. 17.
Saw machine for cutting timber, Multiple chain. F. and R. P. Neuhauser. 2,654,404, Oct. 6.
Saw machine, Tiltable band. D. Abraham. 2,644,491, July 7.
Saw, Manually-portable circular. A. P. Smith. 2,635,650, Apr. 21.
Saw, Masonry. E. A. Zuzelo. 2,624,984, Jan. 13.
Sawmill carriage dogging apparatus. B. W. Andrus. 2,633,879, Apr. 7.
Sawmill dog. W. F. Cahoon. 2,633,163, Mar. 31.
Sawmill dog, Pneumatically operated. W. F. Cahoon. 2,626,640, Jan. 27.
Sawmill feed work control and reversing mechanism. A. G. Petersen. 2,631,620, Mar. 17.
Saw, Motor driven reciprocating. H. S. Forsberg. 2,639,737, May 26.
Saw, Portable tree-felling and log-cutting circle. A. W. Mall. 2,634,770, Apr. 14.
Saw, Power buck. R. P. Kipp. 2,642,101, June 16.
Saw, Power-driven reciprocating. B. Kleinsmith. 2,627,882, Feb. 10.
Saw, Reciprocating. J. M. Ferguson. 2,630,148, Mar. 3.
Saw, Saber. P. T. Gardner. 2,634,771, Apr. 14.
Saw segments, Manufacture of. G. Smal. 2,662,427, Dec. 15.
Saw set. J. Schneider. 2,625,058, Jan. 13.
Saw-set, Crosscut. F. F. Poller, Sr. 2,659,250, Nov. 17.
Saw setting tool. L. Tomlinson. 2,626,531, Jan. 27.
Saw sharpener. B. E. Davis and H. Mabe. 2,638,018, May 12.
Saw sharpener. J. McEwan. 2,625,842, Jan. 20.
Saw sharpener. J. McEwan. 2,630,721, Mar. 10.
Saw sharpener. C. A. Phillips and W. B. Sanford. 2,646,697, July 28.
Saw sharpener. R. S. Tower. 2,651,219, Sept. 8.
Saw sharpening device. C. E. Copley. 2,650,508, Sept. 1.

Saw sharpening device, Chain. B. Evanoff. 2,643,553, June 30.
Saw, Shear cut band. A. B Elbon. 2,628,644, Feb. 17.
Saw swage, Single lever. D. Daboll. 2,644,347, July 7.
Saw, Timber. R. L. Brownlee. 2,635,649, Apr. 21.
Saw-tooth current generator. J. Haantjes, J. J. P. Valeton, and B. W. V. Schenau. 2,657,333, Oct. 27.
Saw tooth shaper with wear faces. E. R. Ferrari. 2,662,426, Dec. 15.
Saw tooth voltage generator. C. Le Comte. 2,662,197, Dec. 8.
Saw-tooth wave generator. W. J. Howarth. 2,627,576, Feb. 3.
Saw-tooth wave generator. W. Reinhard. 2,654,050, Sept. 29.
Saw trestle, Carpenter's. R. W. Hollidge. 2,634,172, Apr. 7.
Saw, Trimmer. E. W. De Koning. 2,661,778, Dec. 8.
Saw, Vertically-adjustable tree-felling tractor mounted. J. T. Ryals. 2,661,035, Dec. 1.
Saw with a concaved leading chisel edge and planar offset side surface on each tooth. F. A. Pall. 2,648,360, Aug. 11.
Saw with cable driven carriage, Reciprocating log. D. P. Andrews. 2,628,645, Feb. 17.
Saw with planer tooth. C. V. Wolfe. 2,657,720, Nov. 3.
Sawing machine. E. R. and J. H. W. Evans. 2,632,939, Mar. 31.
Sawing machine. H. Nusshold. 2,663,927, Dec. 29.
Sawing machine for stone and hard plastic material. H. Evans. 2,657,680, Nov. 3.
Sawing machine with improved feed actuation. R. L. Merry. 2,625,185, Jan. 13.
Sawing machine, Wood. J. E. Tompkins. 2,628,643, Feb. 17
Scabbard. H. Morseth. 2,650,008, Aug. 25.
Scaffold. R. B. Everett, Sr. 2,632,676, Mar. 24.
Scaffold. C. F. Long and H. E. Abels. 2,658,803, Nov. 10.
Scaffold. C. D. Mayhew. 2,634,173, Apr. 7.
Scaffold clamping device. P. Gray. 2,656,224, Oct. 20.
Scaffold connection. J. A. Kirkpatrick. 2,650,120, Aug. 25.
Scaffold, Elevating. A. Sensenbaugh. 2,625,443, Jan. 13.
Scaffold erecting ladder jack. J. P. Lowrey. 2,662,716, Dec. 15.
Scaffold, Portable traveling. C. C. Wheeler. 2,639,950, May 26.
Scaffold, Rolling. N. H. Rector. 2,645,531, July 14.
Scaffold structure. E. Brown. 2,626,189, Jan. 20.
Scaffold support. H. P. Albrecht and K. H. Wilson. 2,636,785, Apr. 28.
Scaffold, Swing stage. R. Allenbaugh. 2,639,951, May 26.
Scaffold, Swing stage. R. Allenbaugh. 2,662,734, Dec. 15.
Scaffold, Traveling. H. C. Raftery. 2,633,391, Mar. 31.
Scaffolding device. L. C. McGill. 2,663,597, Dec. 22.
Scaffolding, Portable. E. J. Getty and R. E. Clapp. 2,635,014, Apr. 14.
Scalding apparatus, Poultry. R. D. Pitts. 2,651,807, Sept. 15.
Scalding machine, Fowl. Z. Stubelek. 2,642,618, June 23.
Scale. D. A. Meeker and K. C. Allen. 2,649,293, Aug. 18.
Scale, Air lock coal. A. J. Stock. 2,661,181, Dec. 1.
Scale and charging and conditioning the same, Hydraulic weighing. W. M. Wise. 2,643,873, June 30.
Scale, Automatic weighing. L. S. Williams. 2,633,349, Mar. 31.
Scale check link, Weighing. L. S. Williams. 2,634,966, Apr. 14.
Scale, Combination linear. D. E. Jones. 2,645,019, July 14.
Scale construction, Bathroom. J. C. Sutton. 2,664,287, Dec. 29.
Scale control switch. R. B. Brown. 2,629,032, Feb. 17.
Scale, Dial-type. B. P. Adams. 2,653,565, Sept. 29.
Scale, Draftsman's. R. C. Jennings, Jr. 2,634,504, Apr. 14.
Scale, Egg. E. L. Kindseth. 2,640,691, June 2.
Scale for fish landing nets. J. A. Fowle. 2,633,351, Mar. 31.
Scale for lift trucks. C. L. Wetsel. 2,638,336, May 12.
Scale for load carrying vehicles, Vehicle mounted hydraulic. H. M. Swift. 2,646,272, July 21.
Scale for washing machines, Clothes. H. F. Howard. 2,631,839, Mar. 17.
Scale for washing machines, Clothes. H. F. Howard. 2,658,745, Nov. 10.
Scale, Household. C. T. Walter. 2,649,294, Aug. 18.
Scale housing, Weighing. J. M. Little and C. G. Blank. 2,659,590, Nov. 17.
Scale, Hydraulic lift. W. M. Wise. 2,643,872, June 30.
Scale, Hydrostatic weighing. A. F. Jackson. 2,647,740, Aug. 4.
Scale, Optical viewing and projecting computing weighing. A. van Duyn. 2,638,813, May 19.
Scale, Over and underweight. A. van Dyn. 2,661,202, Dec. 1.
Scale pendulum, Weighing. L. S. Williams. 2,633,350, Mar. 31.
Scale platform supporting means, Hydraulic. L. S. Williams. 2,646,236, July 21.
Scale, Pressurized coal. J. W. Fogwell and A. J. Stock. 2,635,867, Apr. 21.
Scale, Pressurized coal. A. J. Stock. 2,650,816, Sept. 1.
Scale, Proportioning. M. A. Weckerly. 2,656,142, Oct. 20.
Scale, Spring. W. P. Murphy, Jr. 2,649,299, Aug. 18.
Scale, Tare weight. H. A. Price and E. H. Vickery. 2,651,518, Sept. 8.
Scale, Truck. H. Hendrickson. 2,663,562, Dec. 22.
Scale, Weighing. A. G. Brown. 2,639,912, May 26.
Scale, Weighing. H. A. Hadley. 2,637,546, May 5.
Scale, Weighing. J. L. and T. O. Metcalfe. 2,650,391, Sept. 1.
Scale, Weighing. L. D. Singleton. 2,647,742, Aug. 4.
Scale, Weighing. L. D. Singleton. 2,659,593, Nov. 17.
Scale, Weighing. J. Weber. 2,646,979, July 28.
Scale, Weighing. M. A. Weckerly. 2,642,277, June 16.
Scale with a minimum of platform movement. M. N. Weber. 2,634,968, Apr. 14.
Scale with micrometer attachment, Linear. D. E. Chappell. 2,658,281, Nov. 10.
Scaler, Probability. G. J. Perlow and C. A. Schroeder. 2,653,248, Sept. 22.
Scales, Spring weighing. M. A. Weckerly. 2,646,274, July 21.
Scaling device, Fish. W. R. Witte. 2,655,689, Oct. 20.
Scalloped shirring and making same. E. L. Seaman. 2,631,294, Mar. 17.
Scalp and body stimulator. C. Brandenfels. 2,657,686, Nov. 3.
Scalp-treating device, Surge-producing. H. M. Avery. 2,657,684, Nov. 3.
Scalpel. G. A. Montellus. 2,650,426, Sept. 1.
Scalpel. W. E. Steele. 2,655,723, Oct. 20.
Scan apparatus. J. H. Pratt. 2,655,628, Oct. 13.
Scanning device. W. M. Cady and B. B. Nichinson. 2,629,828, Feb. 24.
Scanning device. B. H. Klyce. 2,644,031, June 30.
Scanning device, Optical. R. J. Wise and G. H. Ridings. 2,658,940, Nov. 10.
Scarf fastener. E. S. Dunning. 2,660,731, Dec. 1.
Scarf pin-comb set, No-slide. S. M. Perkins. 2,649,098, Aug. 18.
Scarfing tip, Sectional block-type. H. G. Hughey. 2,641,312, June 9.
Scarifier tooth attachment for bulldozers. E. T. Small. 2,654,967, Oct. 13.
Scavenging device, Fluid. T. H. Thomas. 2,631,433, Mar. 17.
Schlieren apparatus of improved optical quality. T. W. Zobel. 2,642,770, June 23.
Schlieren cathode-ray light modulator with modulating liquid on concave mirror. M. Hetzel, F. A. Mast, and H. E. W. Thiemann. 2,644,938, July 7.
Scintillation counter and composite phosphor therefor. E. L. Webb and R. C. Fox. 2,650,309, Aug. 25.
Scissor and knife sharpener, Combined. P. W. Andrews. 2,645,066, July 14.
Scissors. L. J. Wahl. 2,626,460, Jan. 27.
Scissors pivot structure. E. L. Sejman and L. Lorenzo. 2,645,850, July 21.
Scissors with removable blade sections. M. L. Cobb. 2,660,788, Dec. 1.
Scissors with twist in each blade. P. Richartz. 2,627,656, Feb. 10.
Scoop adjustment for carry-type scrapers. H. D. Kadz. 2,662,312, Dec. 15.
Scoop and grader, Rotary. H. W. Kitchen. 2,648,922, Aug. 18.
Scoop attachment for tractors. J. Morkoski and W. G. Toland. 2,634,516, Apr. 14.
Scoop, Dustless ash. J. Burke. 2,637,588, May 5.
Scoop for rotary snowplows. A. F. Hickman. 2,650,439, Sept. 1.
Scoop for separable fasteners, Blunt nose double-acting. L. H. Morin. 2,644,995, July 14.
Scoop for tractors. R. D. Waller. 2,658,634, Nov. 10.
Scoop, Ice-cream. F. R. Chester. 2,633,814, Apr. 7.
Scoop, Ice-cream. B. F. and E. E. Lawrence. 2,631,551, Mar. 17.
Scoop, Ice-cream. L. R. J. McCoy, Jr. 2,638,857, May 19.
Scoop mounting and dumping mechanism. H. W. Addison, Jr. 2,631,745, Mar. 17.
Scoop with ejection mechanism, Measuring. A. O. Greene. 2,660,784, Dec. 1.
Score breaker. E. Amyx and J. Kramer. 2,655,082, Oct. 13.
Score card holder. H. Carlson. 2,636,751, Apr. 28.
Scoring apparatus for bowling games, Automatic. D. S. Alexander. 2,652,252, Sept. 15.
Scoring device, Illuminated. W. A. Wilhelm and C. A. Pedersen. 2,641,857, June 16.
Scoring system. W. W. Wood, Jr. 2,646,119, July 21.
Scoring system for ball games. G. A. Hatherell. 2,646,987, July 28.
Scotching arrangement, especially for the scotching of rolling loads on railway trucks. R. Porte. 2,652,003, Sept. 15.
Scouring implement. D. L. Eastman. 2,650,158, Aug. 25.
Scouring machine, Egg. N. F. Marzolf. 2,627,140, Feb. 3.
Scrambling switch. D. E. Hooker. 2,629,475, Feb. 24.
Scrap melting. W. W. Kompart. 2,624,565, Jan. 6.
Scrap paper spear. W. R. Beeler. 2,642,306, June 16.
Scraper. A. Abrahamsen. 2,634,498, Apr. 14.
Scraper and digging front apron arrangement, Carry-type. W. R. Anderson. 2,648,920, Aug. 18.

Scraper, Earth. R. L. Miller. 2,637,123, May 5.
Scraper, Shoe. T. R. Wiltse. 2,648,864, Aug. 18.
Scraper-type cultivator tool. T. A. and E. N. Baunsgard. 2,639,654, May 26.
Scraper with front digger moving means, Carry-type. E. H. Lichtenberg. 2,654,165, Oct. 6.
Scraper with resilient shield and hand rest. H. R. Weeks. 2,624,111, Jan. 6.
Scraper, Wood. S. Shaler. 2,660,785, Dec. 1.
Scraping and shaving device. F. Tvrzicky. 2,635,334, Apr. 21.
Scraping device for rolling pins. A. J. Check. 2,629,345, Feb. 24.
Scraping implement. H. B. Richie. 2,652,581, Sept. 22.
Scratch marker for measuring tape. H. T. Kobayashi. 2,649,787, Aug. 25.
Screen: *See*—
Fluorescent screen.
Glare screen.
Molders station sand screen.
Neutral density filter screen.
Portable gravel screen.
Projection screen.
Rod deck screen.
Rotary drainage screen.
Testing screen.
Two-sided electron-sensitive screen.
Two-way adjustable screen.
Vibrating screen.
Well screen.
Window screen.
X-ray fluorescent screen.
Screen and blind attachment, Combination window. F. B. Liebhaber. 2,635,685, Apr. 21.
Screen and hanger, Fireplace. E. A. Evers. 2,664,154, Dec. 29.
Screen and preparing same, Transparent luminescent. D. A. Cusano and F. J. Studer. 2,659,678, Nov. 17.
Screen apparatus. J. J. Colvin. 2,643,586, June 30.
Screen arrangement for use in conjunction with oil well drilling turbines. C. Parsons. 2,628,819, Feb. 17.
Screen assembly, Sliding. M. V. Noecker. 2,661,059, Dec. 1.
Screen construction. Hammer mill. H. C. Jacobson. 2,640,650, June 2.
Screen door safety latch. O. L. Tye. 2,663,585, Dec. 22.
Screen for a television apparatus or the like, Manufacture of a. M. Auphan. 2,644,208, July 7.
Screen for cathode-ray tube, Luminescent. U. A. Sanabria, W. G. Taylor, and E. L. Browning. 2,634,217, Apr. 7.
Screen for control of roentgenographic exposures. T. Vladeff. 2,630,536, Mar. 3.
Screen for the air intake of jet engines and shields or shutters for the same, Retractable. T. N. Kelly. 2,652,131, Sept. 15.
Screen for threshing machines. H. F. Straley. 2,642,993, June 23.
Screen for vehicles. L. H. Smith. 2,643,711, June 30.
Screen frame construction intended primarily for shade screens. H. A. Kaufman. 2,627,311, Feb. 3.
Screen insert for storm windows. W. M. Krantz. 2,639,769, May 26.
Screen printing machine. J. D. Klopfenstein. 2,624,276, Jan. 6.
Screen structure. O. G. Coward. 2,650,393, Sept. 1.
Screen unit, Mechanically cleaned. G. E. Hauer. 2,634,863, Apr. 14.
Screening and filtering apparatus. B. Cowan and A. Cunningham. 2,638,226, May 12.
Screening mechanism, Vibratory rotary. N. W. Jönsson and K. O. Lindgren. 2,631,506, Mar. 17.
Screens, Method and apparatus for making. H. J. Dietrich. 2,635,657, Apr. 21.
Screens, Producing metal mesh. H. E. Holman. 2,650,900, Sept. 1.
Screw-actuated micrometer gauge. M. H. Ernst. 2,642,669, June 23.
Screw, Adjustable leveling. A. L. Baker. 2,643,845, June 30.
Screw and cap. F. G. Hodell. 2,627,778, Feb. 10.
Screw and nut mechanism. H. E. Holman. 2,659,241, Nov. 17.
Screw and similar machine, Automatic. O. G. Holmes. 2,627,618, Feb. 10.
Screw, Clutch adjusting. H. B. Hamilton. 2,630,898, Mar. 10.
Screw compressor or fluid motor, Compound-lead. R. Chilton. 2,652,192, Sept. 15.
Screw dewatering classifier. W. P. Wilson. 2,662,642, Dec. 15.
Screw drive, Dual. F. Terdina. 2,630,022, Mar. 3.
Screw driver. J. A. Sigg. 2,641,478, June 9.
Screw driver. R. H. Wright. 2,631,624, Mar. 17.
Screw driver and functional elements thereof, Reversible impact driving. J. F. Spielman. 2,638,806, May 19.
Screw driver attachment, Screw holding. M. C. Becker. 2,632,488, Mar. 24.
Screw driver construction. G. L. Rock. 2,658,766, Nov. 10.
Screw driver design, Reversible impact driving. J. F. Spielman. 2,631,484 Mar. 17.
Screw driver, Expanding bit. E. H. Shaff. 2,657,724, Nov. 3.
Screw driver, Fault detecting power-driven. S. Keilien and J. Discenza. 2,649,870, Aug. 25.
Screw driver having a pivoted self-aligning bit. M. A. West. 2,631,623, Mar. 17.
Screw driver, Magnetic. C. R. Younkin. 2,653,636, Sept. 29.
Screw driver, Motor-driven. A. J. Dremel. 2,654,407, Oct. 6.
Screw driver, Multiple blade. R. P. Lavietes. 2,662,568, Dec. 15.
Screw driver, Power. L. E. Austin. 2,646,091, July 21.
Screw driver, Power. H. F. Travis. 2,664,121, Dec. 29.
Screw driver, Ratchet spiral. J. H. Mansfield and E. C. Swanson. 2,664,126, Dec. 29.
Screw driver, Reversible impact driving. J. F. Spielman. 2,635,497, Apr. 21.
Screw driver with apertured handle. J. C. Francesconi and J. P. Hubbell. 2,624,383, Jan. 6.
Screw driver with screw holding means. G. H. Siems. 2,633,169, Mar. 31.
Screw driving machine, Automatic. J. R. Tinsman, R. J. Novy, and R. O. Pence. 2,663,334, Dec. 22.
Screw feed and drive mechanism. E. H. Shaff. 2,657,721, Nov. 3.
Screw gauge. D. E. Stainton. 2,634,508, Apr. 14.
Screw-holding and screw-driving tool. J. S. Stull. 2,625,967, Jan. 20.
Screw holding attachment for cruciform bit screw drivers. L. E. Bier. 2,625,971, Jan. 20.
Screw holding attachment for screw drivers. R. J. Mahaffey. 2,633,168, Mar. 31.
Screw holding attachment for screw drivers, Magnetic. R. C. Webb. 2,641,290, June 9.
Screw machine, Automatic. R. D. Perry and R. Baumgardner. 2,627,646, Feb. 10.
Screw machinery, Automatic. D. Abrahamsen. 2,644,349, July 7.
Screw or like feeding means. V. H. Fray. 2,643,404, June 30.
Screw or like nicking machine. V. H. Fray. 2,642,594, June 23.
Screw pump. J. H. Davis. 2,647,467, Aug. 4.
Screw removing tool. F. E. Fetsko. 2,632,486 Mar. 24.
Screw removing tool. C. R. Sumner. 2,657,602, Nov. 3.
Screw shank slotter. O. J. Poupitch. 2,657,402, Nov. 3.
Screw, Split head locking. S. V. Zavoico. 2,640,521, June 2.
Screw starter. S. Matovich. 2,643,379, June 30.
Screw stud or fastener and assembly utilizing same. W. I. Staaf. 2,645,317, July 14.
Screw taper drill attachment. J. A. Labbe6, Jr. 2,655,964, Oct. 20.
Screw thread gauge for root and crest measurements relative to the pitch line. P. W. Johnson. 2,624,125, Jan. 6.
Screw with self-drilling end. L. O. Schevenell. 2,654,284, Oct. 6.
Scribing and compass unit, Combination. L. J. Glossi. 2,637,906, May 12.
Scribing gauge. J. R. Beckham. 2,659,981, Nov. 24.
Scribing instrument. L. F. Phelps. 2,654,953, Oct. 13.
Scribing machine. F. A. Schunk and M. Mariani. 2,630,630, Mar. 10.
Scroll bending apparatus. H. R. Lehman. 2,649,887, Aug. 25.
Scrubbing and drying machine, Floor. E. O. Norris. 2,635,276, Apr. 21.
Scrubbing device for amputees, Hand. M. F. L. Hesselgesser. 2,641,013, June 9.
Scrubbing machine, Rug. W. L. Petersen. 2,626,412, Jan. 27.
Scrubbing machine, Rug. W. L. Petersen. 2,640,211, June 2.
Scuff board for testing automobile wheel alignment. E. D. Wilkerson. 2,648,140, Aug. 11.
Scuff plate for furniture. C. L. Pettibone. Re. 23,665, June 2.
Sculling apparatus. G. Rauglas. 2,639,684, May 26.
Sculpturing. C. Albert. 2,641,859, June 16.
Scutching apparatus. D. E. U'Ren. 2,652,598, Sept. 22.
Seafood spoilage indicating system. W. C. Hand. 2,626,855, Jan. 27.
Seal. R. Cliborn. 2,662,480, Dec. 15.
Seal. C. C. Edgar. 2,628,116, Feb. 10.
Seal. A. F. Erickson. 2,657,825, Nov. 3.
Seal. T. Frankel. 2,644,711. July 7.
Seal. W. W. Meyer. 2,650,841, Sept. 1.
Seal. D. Murphy. 2,658,775, Nov. 10.
Seal. H. Nierhaus. 2,631,054, Mar. 10.
Seal. H. F. Stoffel. 2,662,789, Dec. 15.
Seal assembly, Suction roll. L. Hornbostel. 2,649,719, Aug. 25.
Seal between metal and ceramic parts. G. D. Suter. 2,632,431, Mar. 24.
Seal cutter. F. A. Maitland. 2,658,270, Nov. 10.
Seal for beverage coolers. L. E. Rabjohn. 2,647,378, Aug. 4.
Seal for bottle filling machines, Bottle. G. L. N. Meyer. 2,640,640, June 2.
Seal for cable end terminals, High-pressure. C. L. Marks. 2,650,259, Aug. 25.
Seal for centrifugal separators. G. J. Strezynski. 2,651,455, Sept. 8.
Seal for coffee makers. W. R. Weeks. 2,662,464, Dec. 15.
Seal for crankcase gaskets, Holding. C. N. Bergstrom. 2,639,832, May 26.
Seal for electrical discharge devices. H. E. Krefft. 2,632,033, Mar. 17.
Seal for food processing equipment, Removable. W. H. Leuze. 2,649,317, Aug. 18.

Seal for hydraulic rams. N. A. Christensen. 2,625,413, Jan. 13.
Seal for hydrogen-cooled generators. R. A. Baudry. 2,636,754, Apr. 28.
Seal for laterally adjustable joints, Gasket. G. F. Burger and J. H. Reisner. 2,649,313, Aug. 18.
Seal for liquid oxygen or the like, Sliding. J. H. Gault. 2,632,678, Mar. 24.
Seal for multiport rotary disk valves. P. W. Malloy. 2,631,811, Mar. 17.
Seal for railroad journals. L. A. Johnson, E. D. Mosher, and C. A. Stephens. 2,657,080, Oct. 27.
Seal for shafts. E. F. Heimbuch. 2,635,907, Apr. 21.
Seal for valve actuators. H. K. Blanning. 2,659,242, Nov. 17.
Seal for vehicle license plates, Locking. W. S. Salisbury. 2,661,558, Dec. 8.
Seal for well tubing. E. N. Jones. 2,638,167, May 12.
Seal guard. J. C. Monahan. 2,634,145, Apr. 7.
Seal hanger for floating roof tanks. F. D. Moyer. 2,649,985, Aug. 25.
Seal spacer, Grease. R. R. Beezley. 2,649,316, Aug. 18.
Seal structure for use between a wall and a plate assembled therewith. W. R. Dalenberg. 2,655,135, Oct. 13.
Seal support for floating roof tanks. C. M. Orr and L. C. Bannister. 2,630,937, Mar. 10.
Seal with O ring, High-pressure rotary. C. F. Voytech. 2,653,837, Sept. 29.
Sealed bearing. H. L. Potter. 2,639,954, May 26.
Sealed bearing cleaning and lubricating head. J. H. Thorpe. 2,656,012, Oct. 20.
Sealed container. R. C. Ellsworth. 2,649,239, Aug. 18.
Sealed container. R. C. Ellsworth. 2,651,450, Sept. 8.
Sealed electrical assembly. P. H. Netherwood. 2,634,314, Apr. 7.
Sealed filling cap for fuel storage tanks. A. A. Arvintz, N. A. Arvins, and R. A. Arvintz. 2,625,272, Jan. 13.
Sealed headlight having auxiliary reflector. J. L. Grupen and S. M. Wheeler. 2,629,815, Feb. 24.
Sealed package. L. L. Salfisberg. 2,654,471, Oct. 6.
Sealed pressure responsive mechanism. R. L. Gilliland. 2,628,139, Feb. 10.
Sealed rectifier. J. H. Hall. 2,661,447, Dec. 1.
Sealed seam attachment of corrugated sheet metal. M. Watter. 2,636,968, Apr. 28.
Sealed shipping container. R. S. McConnell. 2,651,432, Sept. 8.
Sealed telescopic pipe joint. O. E. Tollefsbol. 2,647,770, Aug. 4.
Sealed toggle valve operating mechanism. E. T. McCarthy 2,626,124, Jan. 20.
Sealed universal ball bearing joint. W. A. Flumerfelt. 2,641,492, June 9.
Sealed valve. E. C. Ehlke. 2,659,569, Nov. 17.
Sealed variable length cell and positioner. A. D. Herbert. 2,637,817, May 5.
Sealing ampoules, Method of and apparatus for. F. W. Zons. 2,639,554, May 26.
Sealing apparatus. J. F. De Ano. 2,656,650, Oct. 27.
Sealing apparatus. A. L. Lucarelli. 2,654,181, Oct. 6.
Sealing apparatus for open-topped liquid receptacles. H. T. Bashor and C. T. Lutz. 2,658,377, Nov. 10.
Sealing assembly. T. J. McCuistion. 2,647,810, Aug. 4.
Sealing assembly. L. G. Saywell. 2,636,755, Apr. 28.
Sealing assembly. L. G. Saywell. 2,642,298, June 16.
Sealing assembly. L. G. Saywell. 2,661,226, Dec. 1.
Sealing closure. L. E. E. Gossner. 2,641,037, June 9.
Sealing composition. I. G. Cooper. 2,648,612, Aug. 11.
Sealing composition for transparentized paper. R. R. Parmentier. 2,646,363, July 21.
Sealing compound. A. C. Fischer and W. H. Walker. 2,625,522, Jan. 13.
Sealing construction for plug valves. L. S. Hamer. 2,646,247, July 21.
Sealing containers for pressure testing, Means for. L. M. Kubaugh. 2,646,677, July 28.
Sealing containers, Method and apparatus for. O. Bjering. 2,652,964, Sept. 22.
Sealing containers, Method and apparatus for. J. Hohl. 2,630,958, Mar. 10.
Sealing containers, Method and apparatus for. J. Hohl and O. Bjering. 2,630,957, Mar. 10.
Sealing device. W. M. Brooks. 2,634,150, Apr. 7.
Sealing device. A. M. Chambers, Jr., and L. F. Jones. 2,650,117, Aug. 25.
Sealing device. L. F. Jones and G. F. Closs. 2,630,343, Mar. 3.
Sealing device. C. F. Robbins. 2,639,928, May 26.
Sealing device. H. F. Stoffel. 2,626,825, Jan. 27.
Sealing device, Bag. M. Mitchko. 2,645,514, July 14.
Sealing device for fluid pressure apparatus. W. H. J. Brock. 2,631,906, Mar. 17.
Sealing device for plastic sheet material. J. Frye. 2,629,809, Feb. 24.
Sealing device for tubular shafting. A. Arutunoff. 2,664,271, Dec. 29.
Sealing device for well heads. H. L. Arrowood. 2,652,895, Sept. 22.
Sealing device, Mechanical. C. A. Fink. 2,634,990, Apr. 14.
Sealing device, One-piece. T. O. Kosatka. 2,647,777, Aug. 4.
Sealing devices. T. O. Kosatka. 2,651,534, Sept. 8.
Sealing element. O. Y. Wehmanen. 2,643,904, June 30.
Sealing element for pressure vessels. W. Kranz. 2,625,414, Jan. 13.
Sealing joint for garments, Detachable hermetic. E. J. Hoagland. 2,655,663, Oct. 20.
Sealing joints in pressure containers, Means for. K. E. Stuart. 2,644,611, July 7.
Sealing machine. G. R. Biddinger and J. B. Hanner. 2,641,304, June 9.
Sealing machine, Ampoule. J. F. and H. H. Kahlenberg. 2,629,970, Mar. 3.
Sealing machine, Bag. F. B. Casey, R. R. Woodcock, and M. E. Wood. 2,651,444, Sept. 8.
Sealing machine, Package. J. R. Flanagan. 2,634,876, Apr. 14.
Sealing machine with automatic labeling. H. L. Reitzes. 2,659,520, Nov. 17.
Sealing means. H. Hornschuch. 2,635,902, Apr. 21.
Sealing means. R. J. Nebel. 2,638,147, May 12.
Sealing means for cooperatively assembled parts of valve or comparable assemblies. R. H. Davies. 2,638,243, May 12.
Sealing means for feed and discharge conduits of centrifugal separator bowls. H. C. Fitzsimmons. 2,637,491, May 5.
Sealing means for door bottoms. R. E. Uphoff. 2,663,057, Dec. 22.
Sealing means for fluid valves. R. C. Barkelew. 2,661,925, Dec. 8.
Sealing means for pressure vessels. J. V. Bertrand. 2,641,381, June 9.
Sealing means for slotted cylinders. C. C. Mitchell. 2,650,571, Sept. 1.
Sealing means for well packers. N. T. Breaux. 2,632,515, Mar. 24.
Sealing mechanism for wrapping machines. A. R. Fuchs. 2,650,643, Sept. 1.
Sealing medium and cuff for an artificial respirator housing opening, Combined. L. D. Luck and G. K. Norby. 2,652,047, Sept. 15.
Sealing member. F. D. Moyer. 2,634,017, Apr. 7.
Sealing of fluid systems. M. F. Peters. 2,652,223, Sept. 15.
Sealing plastic materials, Means and method of. E. W. Smith. 2,625,201, Jan. 13.
Sealing porous formations. J. S. Boyer. 2,649,159, Aug. 18.
Sealing ring for containers. R. S. Easterday. 2,625,295, Jan. 13.
Sealing ring for rotary kilns. F. A. Mertz. 2,632,658, Mar. 24.
Sealing strip. J. T. Marvin. 2,654,919, Oct. 13.
Sealing strip. L. Spraragen. 2,638,642, May 19.
Sealing strip. L. Spraragen. 2,657,438, Nov. 3.
Sealing strip severing machine. D. Brody. 2,641,318, June 9.
Sealing structure. R. Kaiser. 2,658,808, Nov. 10.
Sealing structure for rotary plug valves. F. Tratzik. 2,631,813, Mar. 17.
Sealing the envelopes of vacuum tubes. G. J. Agule. 2,654,822, Oct. 6.
Sealing the seating surfaces of valves and similar devices. T. W. Bergquist. 2,649,110, Aug. 18.
Sealing tool. H. F. Stoffel. 2,657,600, Nov. 3.
Sealing wrappers, Method of and apparatus for. V. P. Harvey. 2,638,724, May 19.
Seam binding attachment for sewing machines. J. Trapani. 2,651,273, Sept. 8.
Seam depth indicator. W. C. Harmon and I. G. Orellana. 2,660,704, Nov. 24.
Seam for tarpaulin or other waterproof fabric. J. Herman. 2,624,886, Jan. 13.
Seam ripping device. A. J. Parker and L. M. Murray. 2,660,787, Dec. 1.
Seam welded tubes, Manufacture of. R. M. Baker. 2,647,982, Aug. 4.
Seam welder head. E. A. Mallett and M. M. Seeloff. 2,625,639, Jan. 13.
Seam-welding apparatus. C. E. Coates and A. L. Williams. 2,646,491, July 21.
Seam welding machine for pipes. H. B. Trombley. 2,634,354, Apr. 7.
Seam welding procedure. W. S. Schaefer. 2,630,514, Mar. 3.
Seaming apparatus for thermoplastic material. R. I. Hakomaki and T. R. James. 2,635,673, Apr. 21.
Seaming machine, Linking or point. W. Lomax and P. D. Smith. 2,632,414, Mar. 24.
Seamless, hollow rubber articles, Production of. W. Opavsky. 2,652,596, Sept. 22.
Seamless tube drawing tool. D. P. Gremling. 2,649,002, Aug. 18.
Search signal apparatus for determining the listening habits of wave signal receiver users. H. A. Rahmel. 2,660,663, Nov. 24.
Search signal apparatus for determining the listening habits of wave signal receiver users. J. M. Richards. 2,660,664, Nov. 24.
Search signal apparatus for determining the listening habits of wave signal receiver users. S. A. Scherbatskoy. 2,660,662, Nov. 24.
Search signal apparatus for determining the listening habits of wave signal receiver users. S. A. Scherbatskoy. 2,660,665, Nov. 24.

Seasoning dispenser. S. A. Paoli. 2,647,681, Aug. 4.

Seat: *See*—
Adjustable automobile seat.
Adjustable bus seat.
Adjustable seat.
Astatic vehicle seat.
Baby seat.
Baby's bath seat.
Car seat.
Child's automobile seat.
Child's portable folding high seat.
Child's seat.
Child's vehicle seat.
Convertible seat.
Fisherman's lounging seat.
Flexible edge seat.
Folding seat.
Folding tripod seat.
Lavatory seat.
Motor vehicle seat.
Railway vehicle operator's seat.
Reel seat.
Reversible and berthable seat.
Rotary plug valve seat.
Safety car seat.
Sliding counter seat.
Spring and air cushion seat.
Spring mounted chair seat.
Tackle box seat.
Theater seat.
Tractor seat.
Valve seat.
Vehicle seat.
Wall seat.

Seat. W. L. Foster. 2,635,677, Apr. 21.
Seat. A. F. Hickman. 2,636,544, Apr. 28.
Seat. E. W. Ory. 2,663,360, Dec. 22.
Seat and aisle lighting. L. W. Hiltman and G. F. Gielow. 2,635,681, Apr. 21.
Seat and armrest for automobiles, Combination baby. W. A. Stevenson. 2,627,903, Feb. 10.
Seat and back, Resiliently mounted tiltable. W. F. Herold and H. W. Parrott. 2,650,646, Sept. 1.
Seat and cover, Combined. J. R. Willetts. 2,637,373, May 5.
Seat and folding bed, Combined. A. Winikoff. 2,663,028, Dec. 22.
Seat and rack support, Combination. A. M. and A. G. Morgan. 2,625,985, Jan. 20.
Seat and safety disk element for valves, Combined. J. H. Stroop. 2,661,753, Dec. 8.
Seat assembly, Adjustable. E. W. MacKnight. 2,650,647, Sept. 1.
Seat assembly for pump cages. K. P. Nelisen. 2,628,571, Feb. 17.
Seat assembly, Infant's swing. R. F. Wardlaw. 2,638,966, May 19.
Seat attachment, Child's auxiliary. A. E. Singleton. 2,649,139, Aug. 18.
Seat back rest support. W. A. Wing. 2,660,226, Nov. 24.
Seat back spring. M. Stubnitz. 2,649,895, Aug. 25.
Seat bottom spring. M. Stubnitz. 2,642,930, June 23.
Seat construction. B. D. McIntyre. 2,629,427, Feb. 24.
Seat construction, Automobile. E. A. Herider and S. E. Norwood. 2,627,894, Feb. 10.
Seat construction, Divided. K. L. Emberson. 2,633,185, Mar. 31.
Seat construction, especially for tractors. H. C. Orrick, Jr. 2,628,657, Feb. 17.
Seat cover and seat structure therefor, Removable. A. P. Douglas and L. J. Walters. 2,631,654, Mar. 17.
Seat cover with changeable sections. A. Bard. 2,627,303, Feb. 3.
Seat cushion, Pneumatic. A. E. Forsyth. 2,627,302, Feb. 3.
Seat cushion, Spring. M. Stubnitz. 2,649,896, Aug. 25.
Seat for automobiles and the like, Auxiliary. G. D. Wood. 2,663,359, Dec. 22.
Seat for dental chairs and the like, Supplemental. L. C. Holtzendorff. 2,652,883, Sept. 22.
Seat for motor vehicles. J. R. Oishei. 2,641,305, June 9.
Seat for railroad coaches and the like, Compartmentizable. E. M. Giles. 2,632,408, Mar. 24.
Seat for rotary plug valve. P. L. Mikeska. 2,628,809, Feb 17.
Seat for store service carriers, Child. S. N. Goldman. 2,662,775, Dec. 15.
Seat for vehicles such as aircraft. G. K. Jones. 2,638,151, May 12.
Seat for windows and table structure, Combined safety. E. M. and M. E. Gutman. 2,644,507, July 7.
Seat height adjusting means, Bicycle. M. Vick. 2,644,504, July 7.
Seat mount, Flexible. S. W. Kanaval. 2,657,737, Nov. 3.
Seat mount, Tractor. W. F. Woodin. 2,638,965, May 19.
Seat mounting. P. E. Hawkins. 2,629,426, Feb. 24.
Seat mounting means, Infant's toilet. E. Bergman. 2,645,785, July 21.
Seat operator, Toilet. M. Morikawa. 2,632,896, Mar. 31.
Seat pad for coats. S. H. Tate. 2,661,474, Dec. 8.
Seat post construction for chairs. G. D. Wood. 2,652,272, Sept. 15.
Seat spring. M. Stubnitz. 2,642,929, June 23.
Seat structure. T. Vigmostad. 2,652,096, Sept. 15.
Seat structure, Adjustable. R. H. Hillman. 2,646,839, July 28.
Seat structure, Adjustable. V. G. May. 2,638,150, May 12.
Seat structure, Automobile. J. M. Dorton. 2,644,505, July 7.
Seat structure, Motor vehicle. M. C. Blanken. 2,661,047, Dec. 1.
Seat structure, Spring. H. G. Daniels and E. C. Pickard. 2,657,740, Nov. 3.
Seat structure, Spring. C. M. Tsang. 2,633,903, Apr. 7.
Seat structure, Upholstered. W. W. Good. 2,646,840, July 28.
Seat support. H. L. Harms. 2,663,355, Dec. 22.
Seat support. J. F. McKinney and A. E. Miller. 2,641,307, June 9.
Seat support. W. E. Nordmark and D. S. Huhta. 2,658,557, Nov. 10.
Seat suspension. H. H. Fink. 2,638,148, May 12.
Seat track of the swinging type for automotive vehicles. H. F. Fifield. 2,630,159, Mar. 3.
Seat union, Multiple. J. H. Goode. 2,652,268, Sept. 15.
Seat with adjustable back rest. G. J. Ozenne. 2,662,585, Dec. 15.
Seat with adjustable back rest, Folding boat. J. E. McDonald. 2,635,679, Apr. 21.
Seat with resiliently supported arm. F. Buck. 2,635,675, Apr. 21.
Seating arrangement for vehicles. B. Barényi. 2,647,791, Aug. 4.
Seating arrangement, Suspended. J. Pomagalski. 2,631,647, Mar. 17.
Seating device, Wheel-like. E. H. Bisner and P. P. Gallagher. 2,654,418, Oct. 6.
Seating structure, Portable. A. M. Concello. 2,635,889, Apr. 21.
Seating surface for chairs, Resilient. B. R. Weill. 2,644,508, July 7.
Secondary alkylsulfonamido benzoic acids. J. M. Sprague. 2,656,381, Oct. 20.
Secondary emission trigger circuit. R. K. Steinberg. 2,631,233, Mar. 10.
Secondary emitter and manufacture. H. Jacobs, G. Hees, and B. Wolk. 2,639,963, May 26.
Secondary rack. B. M. Smalley. 2,657,889, Nov. 3.
Secondary recovery of petroleum oil by desulfovibrio. D. M. Updegraff and G. B. Wren. 2,660,550, Nov. 24.
Secondary time-keeping apparatus. A. B. Benson. 2,624,170, Jan. 6.
Secrecy transmission system. E. J. Duckett and G. A. Klotzbaugh. 2,660,666, Nov. 24.
Sectional box wrench. M. P. Rasco. 2,656,750, Oct. 27.
Sectional carbon electrode. L. J. McCarty. 2,657,326, Oct. 27.
Sectional collapsible pressing board. J. S. Buchanan. 2,637,919, May 12.
Sectional connected reading and recitation table. O. H. Steene and A. Steene. 2,661,988, Dec. 8.
Sectional housing for electrical control and ignition apparatus of fluid fuel burners. H. F. Tapp and R. M. Cochrane. 2,662,109, Dec. 8.
Sectional lawn mower handle. P. H. Rosenberg. 2,645,808, July 21.
Sectional member. T. Olszewski. 2,643,745, June 30.
Sectional refrigerated display case. D. J. Grelling. 2,624,649, Jan. 6.
Sectional scaffold frame. E. H. Simpson. 2,631,900, Mar. 17.
Sectional wall clip. J. D. Beamer and J. Bidak. 2,654,449, Oct. 6.
Sectionalizing machine for extrudable cuttable material. J. R. Urschel. 2,658,542, Nov. 10.
Sectionally supported furnace wall. L. H. Hosbein and L. Ellman. 2,660,050, Nov. 24.
Securing a tensioned wire around cores. P. R. Hirsh. 2,627,378, Feb. 3.
Securing and driving means for rotatable magazine-contained spool. F. H. Owens. 2,657,869, Nov. 3.
Securing awning fabric to awning rollers, Means for. E. P. D'Azzo. 2,650,662, Sept. 1.
Securing coat linings and the like to coats. R. W. Persico. 2,637,037, May 5.
Securing conductors to outlet boxes, Means for. S. D. J. Dunlap. 2,652,269, Sept. 15.
Securing cooling units in window boxes, Means for. W. F. Borgerd. 2,638,755, May 19.
Securing decorative matter to a surface of a polyethylene body. M. F. Kritchever. 2,648,097, Aug. 11.
Securing device for faucet handles. S. M. Kass. 2,636,756, Apr. 28.
Securing device for wallets. J. Barricini. 2,652,873, Sept. 22.
Securing means, Making. H. E. Dickerman. 2,630,175, Mar. 3.
Securing mechanically stressed constructional members to wooden supports. F. Graf and T. Toepel. 2,663,662, Dec. 22.
Securing of a member to a support by means of a spring. J. Wijchman. 2,662,765, Dec. 15.
Securing rolls to shafts, Means for. J. H. Friedman. 2,634,144, Apr. 7.
Securing rubber adhesion to metal and composition therefor. C. H. T. Wilkins. 2,643,273, June 23.
Securing together two shafts or the like, Means for. L. R. Fellows. 2,625,416, Jan. 13.
Securing wheels to tubular legs, Means for. H. Hieb. 2,635,011, Apr. 14.
Sedan having versatile structure. C. D. Willson. 2,638,374, May 12.
Sediment bulb for carburetors. J. E. Findley. 2,646,884, July 28.
Sediment collecting means for washing machines and the like. T. R. Smith. 2,645,109, July 14.
Sediment cup and drain plug for internal-combustion engines, Combination. J. M. Brier, Jr. 2,649,204, Aug. 18.
Sediment purger for tube ice machines, Automatic. H. V. Heuser. 2,657,547, Nov. 3.

Sediment removal apparatus. H. W. Hapman. 2,660,310, Nov. 24.
Sediment stirrer. W. P. Wolf. 2,631,826, Mar. 17.
Sediment testing apparatus. D. B. Turner. 2,658,387, Nov. 10.
Sedimentation apparatus. C. H. Scott. 2,650,707, Sept. 1.
Seed broadcasting implement. L. F. and J. R. Stornetta, and J. M. Armstrong. 2,683,351, May 12.
Seed carrier. L. R. Nestor. 2,648,165, Aug. 11.
Seed depositing mechanism. D. E. Graves. 2,636,459, Apr. 28.
Seed ejector for planters. H. Wechsler. 2,646,191, July 21.
Seed gatherer. F. K. Fleming. 2,651,164, Sept. 8.
Seed germination. W. J. Hale and P. Vogelsang. 2,664,350, Dec. 29.
Seed harvester having flexible stripping means. C. W. Smith and M. F. Arms. 2,656,667, Oct. 27.
Seed package and seed distributor. F. R. Maurer. 2,628,003, Feb. 10.
Seed pellet. M. H. Ostler. 2,656,649, Oct. 27.
Seed planter. C. J. Johnson. 2,663,462, Dec. 22.
Seed planter, Precision. H. Wechsler. 2,645,385, July 14.
Seed product, Pelleted. R. M. Hedrick and D. T. Mowry. 2,651,883, Sept. 15.
Seed sample divider. L. A. Pazandak. 2,627,751, Feb. 10.
Seed treater. C. C. Calkins. 2,639,836, May 26.
Seeder and fertilizer, Tractor mounted. G. B. Lyerly. 2,638,350, May 12.
Seeder and planter apparatus. F. S. Ajero. 2,661,124, Dec. 1.
Seeder for tractors, Power driven. W. M. Rittenhouse. 2,632,651, Mar. 24.
Seeder, Range. J. MacKenzie. 2,628,000, Feb. 10.
Seeding machine. M. Soss. 2,643,623, June 30.
Seesaw base, Rotatable. G. Woznack. 2,633,316, Mar. 31.
Segregating fluids transported by a pipeline, Method of and apparatus for. G. C. Ray. 2,657,700, Nov. 3.
Segregation of hydrocarbons with urea at low temperatures. W. F. Arey, Jr. 2,627,513, Feb. 3.
Seismic exploration system. F. Press. 2,654,874, Oct. 6.
Seismic prospecting. B. D. Lee. 2,638,402, May 12.
Seismic prospecting. C. W. Oliphant. 2,658,578, Nov. 10.
Seismic prospecting in which seismic waves are used to modulate a sonic or supersonic carrier wave, Method and apparatus for. P. E. Haggerty. 2,635,705, Apr. 21.
Seismic surveying. A. F. Hasbrook. 2,640,186–7, May 26.
Seismometer. R. L. Cordell. 2,659,065, Nov. 10.
Seismometer. R. G. Piety. 2,638,578, May 12.
Seismometer. R. G. Piety. 2,653,306, Sept. 22.
Seismometer, Rotational. R. G. Piety. 2,659,064, Nov. 10.
Seismometer, Magnetostriction. C. G. Cruzan. 2,643,367, June 23.
Selecting and actuating mechanism for cross-bar switches. J. I. Bellamy. 2,643,299, June 23.
Selecting and controlling mechanism for movable parts. O. J. J. Bracke and G. X. Lens. 2,653,486, Sept. 29.
Selective adsorption separation apparatus. F. E. Gilmore. 2,635,706, Apr. 21.
Selective backup control means for tractor-trailer undercarriage. J. W. Hopson. 2,662,781, Dec. 15.
Selective carbonation of slurries and mixtures of calcium and magnesium hydroxide. G. M. Armstrong and H. A. Cook. 2,626,853, Jan. 27.
Selective charge-firing equipment. W. E. Neal. 2,655,619, Oct. 13.
Selective circuit. W. Lyons. 2,653,194, Sept. 22.
Selective delivery filing cabinet. E. Bertello. 2,660,503. Nov. 24.
Selective distributing apparatus. H. L. Glaze and R. C. Beltz. 2,642,177, June 16.
Selective extraction of substances possessing anti-pernicious anemia activity with diethylacetic acid. J. H. Ford and W. G. Jackson. 2,652,357, Sept. 15.
Selective flocculation of colloidal phosphate ore in the presence of clay. J. F. Haseman. 2,660,303, Nov. 24.
Selective hydrogenation of oxo-process aldehydes. D. E. Burney and W. J. Cerveny. 2,658,083, Nov. 3.
Selective one-way drive. S. C. Winger. 2,649,176. Aug. 18.
Selective plural digit indicator. J. M. Melick. 2,648,830, Aug. 11.
Selective point detector mechanism. W. M. Poole. 2,651,714, Sept. 8.
Selective polymerization of isobutylene. H. G. Schneider and H. G. Goering. 2,657,246, Oct. 27.
Selective receiving and amplifying circuit. K. Nowak. 2,659,776, Nov. 17.
Selective reduction of fatty acids. W. S. Baldwin and D. E. Floyd. 2,656,371, Oct. 20.
Selective reduction of 3-keto group of polyketosteroids. J. A. Hogg, D. A. Lyttle, and A. H. Nathan. 2,647,134, July 28.
Selective removal of acetylene from hydrocarbon streams. G. C. Ray. 2,636,911, Apr. 28.
Selective signaling system. M. R. Winkler. 2,626,384, Jan. 20.
Selectively chloridizing manganese in the treatment of materials containing iron and manganese. I. P. Whitehouse and M. E. Graham. 2,658,813, Nov. 10.
Selectively puffing granular material and the resulting product. J. M. Baer. 2,653,098, Sept. 22.
Selectively reflecting interference mirrors. M. E. Widdop and G. L. Dimmick. 2,624,238, Jan. 6.
Selector. G. f. Bellairs and J. C. Ireland. 2,639,417, May 19.
Selector device for card indexes. R. Brinkmann To Broxten. 2,647,519, Aug. 4.
Selector for automatic phonographs. A. G. Bodoh. 2,624,795, Jan. 6.
Selector marking system. H. L. Lesigne. 2,629,019, Feb. 17.
Selector pump. B. N. Ashton and E. V. Barkow. 2,648,290, Aug. 11.
Selector switch. S. S. Brown. 2,664,473, Dec. 29.
Selector switch. G. H. Klay. 2,631,211, Mar. 10.
Selector switch. G. A. Kwasniewski. 2,639,338, May 19.
Selector switch with bias, Rotary. D. W. Johnson. 2,642,502, June 16.
Selenium cell and manufacturing the same. G. H. Shoemaker. 2,629,039, Feb. 17.
Selenium dry-disk rectifier. O. J. Klein. 2,663,831, Dec. 22.
Selenium element and making it. H. A. Rudolph. 2,659,846, Nov. 17.
Selenium rectifier. D. W. Black. 2,660,698, Nov. 24.
Selenium rectifier. R. J. Cepon. 2,655,626, Oct. 13.
Selenium rectifier and its production. E. A. Thurber and L. A. Wooten. 2,644,915, July 7.
Selenium rectifier with varnish intermediate layers. H. E. Lauckner. 2,660,697, Nov. 24.
Self-activated zinc sulfide phosphors. F. A. Kröger. 2,662,060, Dec. 8.
Self-adjusting brake. C. L. Swift. 2,636,578, Apr. 28.
Self-adjusting pipe wrench. L. Houdesheldt. 2,636,412, Apr. 28.
Self-adjusting socket wrench. J. C. Alpers. 2,632,352, Mar. 24.
Self-adjusting wheel brake. R. A. P. Mougin. 2,662,617, Dec. 15.
Self-aligned lubricating stuffing box. G. G. Hebard. 2,628,112, Feb. 10.
Self-aligning bearing. L. H. Phillips. 2,652,293, Sept. 15.
Self-aligning bearing. L. R. Potter. 2,626,841, Jan. 27.
Self-aligning quick disconnect coupling. J. R. Snyder. 2,663,315, Dec. 22.
Self-ballasting gaseous discharge lamp. W. J. Dremann and R. E. Dunham. 2,648,029, Aug. 4.
Self-centering cutter. W. R. Vosper. 2,642,137, June 16.
Self-centering roll, Automatic. E. T. Lorig. 2,653,814, Sept. 29.
Self-cleaning butterfly gate. H. Kelley. 2,662,545, Dec. 15.
Self-cleaning gate for mixing machines. T. P. Camp, J. I. Thorsen, and J. A. Besal. 2,660,416, Nov. 24.
Self-closing and sealing container cap. A. D. Pedagno. 2,629,518, Feb. 24.
Self-closing and slow-closing valve. H. C. Krone and W. Meyer. 2,630,137, Mar. 3.
Self-closing collapsible tube. T. F. Schlicksupp. 2,628,004, Feb. 10.
Self-closing valve. W. G. Miller. 2,625,953, Jan. 20.
Self-contained inverted rectifier. M. Demontvignier. 2,652,528, Sept. 15.
Self-cooling buffing wheel. S. Goldberg. 2,633,680, Apr. 7.
Self-disengaging lift hook. A. J. Byron. 2,655,400, Oct. 13.
Self-draining pipe joint. W. H. Stout and E. S. Pearson. 2,649,105, Aug. 18.
Self-driving device for transporting heat from a lower to a higher temperature level. C. O. Jonkers. 2,657,553, Nov. 3.
Self-energizing brake. C. L. Eksergian. 2,655,228, Oct. 13.
Self-energizing means for interengaging synchronizer friction plates. C. M. Perkins. 2,627,955, Feb. 10.
Self-energizing single-disk brake. R. K. Chamberlain. 2,663,384, Dec. 22.
Self-extinguishing alkenylbenzene copolymer composition. R. R. Dreisbach and G. B. Sterling. 2,658,877, Nov. 10.
Self-furring corner lath. R. F. Stockton. 2,645,930, July 21.
Self-hardening furan resin compositions using a mixture of benzene sulfonyl chloride and trichloroacetic acid as catalysts. A. M. Edmunds and L. F. Sonnabend. 2,655,491, Oct. 13.
Self-ignition internal-combustion engine. F. G. Graves. 2,657,677, Nov. 3.
Self-inking rubber stamp pad. H. G. Marriott. 2,654,342, Oct. 6.
Self-interlocking electromagnetic reversing switch. A. J. Dawe. 2,633,487, Mar. 31.
Self-interrupting clutch. J. H. Starr. 2,657,780, Nov. 3.
Self-irrigating plant receptacle. J. E. Werner. 2,651,884, Sept. 15.
Self-leveling dispenser. W. J. Gibbs. 2,662,802, Dec. 15.
Self-leveling picture frame hanger. A. W. Barry. 2,635,840, Apr. 21.
Self-loading device for shaker conveyers. W. W. Sloane. 2,652,144, Sept. 15.
Self-loading semiautomatic pistol. M. W. Yale. 2,659,994, Nov. 24.
Self-loading vehicle and controls therefor. H. C. Kaplan. 2,624,478, Jan. 6.

Self-locking device. R. B. Houplain. 2,633,213, Mar. 31.
Self-locking electrical connector. C. H. Judisch. 2,636,070, Apr. 21.
Self-locking electrical connector. H. J. Modrey. 2,632,789, Mar. 24.
Self-locking screws, Making. A. Schneider. 2,636,194, Apr. 28.
Self-lubricating pump. H. J. Rand. 2,636,443, Apr. 28.
Self-lubricating universal bearing. K. E. Whiteley. 2,639,952, May 26.
Self-measuring milk dispenser. H. T. Coates. 2,647,719, Aug. 4.
Self-modulated magnetron. A. M. Clogston. 2,624,863, Jan. 6.
Self-opening and closing bump gate. V. A. Lein. 2,637,921, May 12.
Self-orienting three-axis reference apparatus. A. L. Rawlings. 2,637,914, May 12.
Self-piercing fastener. P. D. Becker. 2,627,099, Feb. 3.
Self-priming centrifugal pump. J. Mann and R. P. Shuster. 2,627,817, Feb. 10.
Self-priming pump. A. S. Marlow, Jr. 2,653,546, Sept. 29.
Self-propelled railway maintenance car. W. F. Woolery. 2,632,404, Mar. 24.
Self-propelled wheel chair. H. A. Everest and H. C. Jennings. 2,643,898, June 30.
Self-protecting valve. E. G. Anderson. 2,658,711, Nov. 10.
Self-releasing fishing rod tool. T. M. Hunt and T. L. Nichols. 2,652,281, Sept. 15.
Self-relocking combination lock. R. Streeter. 2,650,491, Sept. 1.
Self-reversing rotary pump. L. Fincher. 2,625,105, Jan. 13.
Self-sealing collapsible tube. R. Perkins. 2,643,794, June 30.
Self-sealing coupling. J. N. Bruce. 2,637,572, May 5.
Self-selvager for looms. B. M. Harris. 2,646,084, July 21.
Self-service store. R. W. Barrett. 2,628,691, Feb. 17.
Self-starting electrostatic generator. N. H. Lehrer. 2,644,903, July 7.
Self-supporting automatically operable tube cutter. C. E. Anderson. 2,638,667, May 19.
Self-threading, self-cleaning tension device. F. R. Borges, Jr. 2,646,941, July 28.
Self-throttling valve. J. J. Delany and E. C. Baisel. 2,638,929, May 19.
Self-traversing drive roll. J. J. Calhoun and H. M. Cook. 2,646,227, July 21.
Self-tuning resonant cavity. M. Garbuny. 2,660,711, Nov. 24.
Self-unloading bin. L. G. Weller. 2,657,100, Oct. 27.
Self-winding and self-transporting reel. W. J. D. van Dijck. 2,658,256, Nov. 10.
Selvedge for woven fabrics. H. J. Cooper. 2,637,351, May 5.
Semiautomatic telephone switching system arranged for selective alternating current or direct current key pulsing. B. McKim. 2,628,283, Feb. 10.
Semiautomatic transmission. R. T. Bucy, A. J. Syrovy and W. T. Dunn. 1,635,476, Apr. 21.
Semiautomatic turret lathe. C. E. Greene and R. B. Lesher. 2,656,589, Oct. 27.
Semiautomatic turret lathe. C. H. Johnson. 2,659,960, Nov. 24.
Semiconductive translating devices, Making. M. Sparks. 2,629,672, Feb. 24.
Semiconductor amplifier or oscillator device. H. Nelson and B. N. Slade. 2,629,767, Feb. 24.
Semiconductor amplitude modulation system. L. L. Koros. 2,644,925, July 7.
Semiconductor device. D. R. Muss and L. P. Hunter. 2,627,545, Feb. 3.
Semiconductor device, Vacuum-enclosed. J. P. Stelmak. 2,664,528, Dec. 29.
Semiconductor. Electric. K. A. Matthews and C. D. White. 2,653,374, Sept. 29.
Semiconductor magnetoresistive device. G. L. Pearson. 2,649,569, Aug. 18.
Semiconductor of mixed nickel, manganese, and iron oxides. F. J. Morin. 2,645,700, July 14.
Semiconductor photosensitive device. J. I. Pantchechnikoff. 2,650,258, Aug. 25.
Semiconductor signal translating device. G. L. Pearson. 2,629,800, Feb. 24.
Semiconductor transducer. H. C. Montgomery. 2,632,062, Mar. 17.
Semiconductor translating device. W. L. Bond, M. Sparks, and G. K. Teal. 2,651,831, Sept. 15.
Semiconductor translating device. L. A. Meacham and S. E. Michaels. 2,627,575, Feb. 3.
Semiconductor translating device. M. Sparks. 2,656,496, Oct. 20.
Semiconductor translator. W. H. Brattain. 2,663,829, Dec. 22.
Semiconductor trigger circuit. M. L. Wood. 2,651,728, Sept. 8.
Semiconductor unit. K. Rahbek. 2,630,512, Mar. 3.
Semiopen circuit gas-turbine engine. M. H. L. Sédille. 2,646,663, July 28.
Semiportable pipe storage rack. F. R. Young. 2,633,247, Mar. 31.
Sender overload control. M. E. Maloney. 2,657,273, Oct. 27.
Sensing device having adjustable threshold response. H. B. Schultheis and L. A. G. ter Veen. 2,636,386, Apr. 28.
Sensitivity control circuit for a radar receiver. R. E. Meagher. 2,624,871, Jan. 6.
Sensitized photographic emulsion containing color couplers. J. Spence and B. H. Carroll. 2,640,776, June 2.
Sensitizing dyes containing a 2-acylamino-5 (4)-thiazolone nucleus. P. Aübert and E. B. Knott. 2,652,397, Sept. 15.
Sensitizing dyes containing a 2-thio-2,5(3,4)-thiazoledione nucleus. R. A. Jeffreys and E. B. Knott. 2,656,353, Oct. 20.
Separable fastener. R. A. Hartman. 2,641,814, June 16.
Separable fastener. B. Madsen. 2,637,085, May 5.
Separable fastener. A. G. Wittstock. 2,643,429, June 30.
Separable fastener. H. Wurzel. 2,632,221, Mar. 24.
Separable knife-type clasp connector. I. F. Matthysse. 2,636,071, Apr. 21.
Separable machine or equipment handle. C. V. O'Maley. 2,651,075, Sept. 8.
Separable pressure vessel quick clamp. C. E. Scheuring. 2,640,717, June 2.
Separable slide fastener. E. H. E. Jaster. 2,652,611, Sept. 22.
Separate end-turn rotor-ventilation. R. A. Baudry and P. R. Heller. 2,653,255, Sept. 22.
Separate magnetization of magnetic amplifiers. R. A. Ramey. 2,644,129, June 30.
Separating a gaseous mixture. F. E. Gilmore. 2,661,812, Dec. 8.
Separating acenaphthene. G. B. Arnold and H. V. Hess. 2,652,438, Sept. 15.
Separating and classifying substantially spherical bodies into different size groups, Method and apparatus for. C. W. Clark and B. H. Morrison. 2,662,641, Dec. 15.
Separating and packaging of book matches. E. P. Olson. 2,639,070, May 19.
Separating and recovering excess mercury from amalgam mix, Means for. L. L. Shore. 2,647,638, Aug. 4.
Separating and recovering hydrocarbons. A. J. Miller. 2,630,403, Mar. 3.
Separating and recovering hydrocarbons. A. J. Miller and J. L. Groebe. 2,630,402, Mar. 3.
Separating apparatus. O. E. Eissmann. 2,643,768, June 30.
Separating apparatus for springs and the like. C. E. K. Fox. 2,657,812, Nov. 3.
Separating β-chloro-α-alkoxyethylbenzenes from their reaction mixture. F. Grosser. 2,652,431, Sept. 15.
Separating device. K. Heindlhofer. 2,638,177, May 12.
Separating dispersed matter from fluid masses. R. D. Simpson, E. V. Gordon, F. Cardoza, and J. H. Jacobs. 2,638,218, May 12.
Separating enclosure for towel racks. H. B. Goodman. 2,664,208, Dec. 29.
Separating ethan from hydrocarbon mixtures. M. R. Cines. 2,657,761, Nov. 3.
Separating fluids, Method and apparatus for. H. C. Schutt. 2,646,133, July 21.
Separating gas from drilling muds and analyzing same, Means for. A. L. Smith. 2,636,569, Apr. 28.
Separating gas mixtures. W. E. Lobo. 2,650,482, Sept. 1.
Separating gas mixtures containing higher-boiling impurities, Process of and apparatus for. P. K. Rice. 2,655,796, Oct. 20.
Separating hydrocarbons. C. B. Linn. 2,630,406, Mar. 3.
Separating hydrocarbons with thiourea. E. Gorin and R. E. Kinney. 2,642,424, June 16.
Separating hydrogen cyanide by adsorption. A. C. McKinnis. 2,634,817, Apr. 14.
Separating hydrogen fluoride from chlorodifluoromethane. R. H. Baldwin. 2,640,086, May 26.
Separating naphthenes from paraffin hydrocarbons. F. L. Jonach. 2,632,778, Mar. 24.
Separating oil-soluble substances. J. Boldingh. 2,632,012, Mar. 17.
Separating optical isomers. A. Gero. 2,650,938, Sept. 1.
Separating organic compounds of high hydrogen content from those of low hydrogen content. B. Braae. 2,649,467, Aug. 18.
Separating polycyclic aromatic compounds from organic mixtures. H. V. Hess and G. B. Arnold. 2,652,435–6, Sept. 15.
Separating predominantly aromatic hydrocarbons from predominantly saturated hydrocarbons by extractive distillation. H. B. H. Cooper and E. C. Medcalf. 2,655,467, Oct. 13.
Separating reaction products obtained by reaction between propylene and aqueous ammonium polysulfide. M. J. P. Hartig. 2,631,166, Mar. 10.
Separating solid particles, Method and apparatus for. J. Colin, R. Burr, and A. Gafanesch. 2,650,706, Sept. 1.
Separating solids from exhaust gases of open-hearth furnaces, Means for. J. J. Seaver. 2,640,692, June 2.
Separating solids from gases, Method and apparatus for. F. Tanner. 2,643,769, June 30.
Separating sugar juice, pith, and fiber from stalks. P. M. Horton and A. G. Keller. 2,650,176, Aug. 25.
Separating uranium from its ores. A. H. A. Ross, R. H. Farmer, and A. G. W. Lamont. 2,639,974, May 26.

Separating wax from wax-oil mixtures. H. C. Myers, A. O. Pukkila, and T. A. Petry. 2,645,597, July 14.
Separating wax from wax-oil mixtures. H. C. Myers, A. O. Pukkila, A. F. Houser, and W. H. King. 2,645,598, July 14.
Separating wax from wax-oil mixtures. J. W. Payne. 2,645,599, July 14.
Separation and purification of alcohols by extractive distillation. C. S. Carlson and P. V. Smith, Jr. 2,635,992, Apr. 21.
Separation and purification of alkyl phosphoric acids. H. W. Crandall and D. C. Stewart. 2,658,909, Nov. 10.
Separation and recovery of components of a solution. J. M. Weiss. 2,646,171, July 21.
Separation and recovery of methyl amines. R. M. Isham. 2,657,237, Oct. 27.
Separation and recovery of naphthenic hydrocarbons from mixtures thereof. M. R. Morrow. 2,628,990, Feb. 17.
Separation of acetone and propionaldehyde by azeotropic distillation with chloroform. J. M. Harrison and A. E. Somers. 2,649,406, Aug. 18.
Separation of acetylene from gaseous mixtures by glycolonitrile. S. P. Robinson. 2,659,453, Nov. 17.
Separation of air. P. M. Schuftan. 2,650,483, Sept. 1.
Separation of alcohols from mercaptans. R. J. Askevold. 2,647,150, July 28.
Separation of aromatic amines. A. G. Hill, E. C. Medcalf, and W. E. Sisco. 2,660,581, Nov. 24.
Separation of bark components. B. L. Grondal and C. L. Dickinson. 2,627,375, Feb. 3.
Separation of bile acids. R. H. Sifferd. 2,661,356, Dec. 1.
Separation of carbondioxide and ammonia. C. Cramer. 2,634,826, Apr. 14.
Separation of carbon dioxide from gaseous mixtures. D. Eastman. 2,632,316, Mar. 24.
Separation of chlorine by absorption. W. Frey. 2,656,011, Oct. 20.
Separation of closely boiling fractions from a binary mixture. J. E. Gantt. 2,629,239, Feb. 24.
Separation of colloids in a colloid solution, Method and apparatus for. S. G. Ellis and P. C. Stevenson. 2,648,636, Aug. 11.
Separation of contaminated catalyst particles in a hydrocarbon conversion process. A. B. Welty, Jr. 2,658,860, Nov. 10.
Separation of essential oils into component fractions. D. F. Othmer, M. B. Jacobs and N. Wishnefsky. 2,631,145, Mar. 10.
Separation of ethyl acetate and ethanol by azeotropic distillation with methanol. J. M. Harrison and A. E. Somers. 2,649,407, Aug. 18.
Separation of fatty acids from hydrocarbon solutions thereof. N. L. Dickinson. 2,660,601, Nov. 24.
Separation of gas mixtures. R. W. H. Sargent. 2,659,216, Nov. 17.
Separation of gas suspended dust particles. L. Dautrebande. 2,663,382, Dec. 22.
Separation of gaseous mixtures. G. T. Cooper. 2,650,481, Sept. 1.
Separation of geometrical isomers by urea complex formation. R. A. Foster and C. G. Laspe. 2,662,879, Dec. 15.
Separation of hydrocarbons. O. L. Polly and C. H. O. Berg. 2,639,782, May 26.
Separation of hydrocarbons and hydrocarbon derivatives. A. W. Francis. 2,642,421, June 16.
Separation of hydrocarbons and hydrocarbon derivatives. E. Gorin. 2,642,422, June 16.
Separation of hydrogen halides from olefinically unsaturated compounds. J. H. Raley, W. E. Vaughan, and L. M. Porter. 2,628,934, Feb. 17.
Separation of isomeric aromatic compounds. A. Schneider. 2,648,712, Aug. 11.
Separation of isomeric erythritols by fractional crystallization. C. M. Himel and L. O. Edmonds. 2,634,298, Apr. 7.
Separation of isophthalic and terephthalic acids from their mixtures. W. G. Toland, Jr. 2,664,440, Dec. 29.
Separation of isophthalic and terephthalic diesters. M. A. Pino. 2,656,377, Oct. 20.
Separation of isotopic ions. S. L. Madorsky and A. K. Brewer. 2,645,610, July 14.
Separation of liquid from solids. W. C. Davis and W. H. Bath. 2,658,620, Nov. 10.
Separation of materials of different specific gravity and sizes, Process and apparatus for the. W. C. Fox and J. N. J. Leeman. 2,646,169, July 21.
Separation of menthol from mint oils by a fractional distillation process. G. L. Bridger and H. M. Chang. 2,662,052, Dec. 8.
Separation of metals in powder form from their salt solutions. O. Ruthner. 2,657,989, Nov. 3.
Separation of methanol from methyl acetate by extractive distillation with ethylene glycol. R. I. Hoaglin and W. M. Frankenberger, Jr. 2,636,050, Apr. 21.
Separation of mixed gases by absorption. M. Benedict. 2,652,129, Sept. 15.
Separation of nickel contained in nickeliferous cobalt alloys. M. De Merre. 2,651,562, Sept. 8.
Separation of nickel from cobalt containing solutions. M. De Merre. 2,624,702, Jan. 6.
Separation of organic acids. H. S. Owens, J. B. Stark, and A. E. Goodban. 2,664,441, Dec. 29.
Separation of organic compounds. W. P. Burton. 2,647,139, July 28.
Separation of organic compounds. W. P. Burton and E. Solomon. 2,664,435, Dec. 29.
Separation of organic compounds. H. G. McGrath. 2,632,765, Mar. 24.
Separation of organic compounds. H. G. McGrath, H. J. Passino, and L. C. Rubin. 2,635,111, Apr. 14.
Separation of oxygenated compounds. J. H. van der Waals. 2,658,069, Nov. 3.
Separation of oxygenated compounds with bisulfite adducts. V. F. Michael. 2,625,560, Jan. 13.
Separation of oxygenated organic compounds. J. H. van der Waals. 2,644,006, June 30.
Separation of particulate material from entraining gaseous fluids, Method and apparatus for the. J. I. Yellott. 2,650,675, Sept. 1.
Separation of powdered inactive catalysts from active catalysts. N. E. Peery. 2,631,968, Mar. 17.
Separation of salts of organic acids. V. R. Kokatnur. 2,662,880, Dec. 15.
Separation of solid materials of different specific gravities. W. Vogel. 2,658,618, Nov. 10.
Separation of solids from fluids. L. W. Popp. 2,631,728, Mar. 17.
Separation of sulfur dioxide and chlorine with antimony trichloride. K. W. Guebert. 2,639,976, May 26.
Separation of suspensions of solid matter in liquids. M. G. Driessen. 2,654,479, Oct. 6.
Separation of the diastereoisomeric bis[β-(ortho-methoxyphenyl)isopropyl]amines. R. V. Heinzelmann. 2,647,929, Aug. 4.
Separation of tyrosine and cystine. E. V. Cardinal. 2,650,242, Aug. 25.
Separation of volatile from nonvolatile constituents of an aqueous molasses fermentation residue. K. H. Warren. 2,626,237, Jan. 20.
Separation of wax and asphalt from hydrocarbon oil. F. L. Dennis, W. H. King, and H. C. Myers. 2,642,379, June 16.
Separation of wax constituents and the like from oil. W. E. Skelton, H. V. Hess, G. B. Arnold, and B. L. Mahan. 2,661,317, Dec. 1.
Separation of wax from residual lubricating oil. J. I. Barnes and A. O. Pukkila. 2,642,378, June 16.
Separation process. J. I. Ackerman, Jr. 2,653,147, Sept. 22.
Separation process for actinium. F. T. Hagemann. 2,632,763, Mar. 24.
Separator: *See*—

Air-moisture separator.	Juice separator.
Battery plate separator.	Liquid-gas separator.
Battery separator.	Liquid separator.
Centrifugal separator.	Magnetic separator.
Component color separator.	Material separator.
Continuous separator.	Oil separator.
Crude oil and gas separator.	Power washing centrifugal separator.
Egg separator.	Power washing cream separator.
Endless belt magnetic separator.	Roll separator.
File separator.	Synchronizing signal separator.
Fluid separator.	Tangential pneumatic separator.
Gas-liquid separator.	Vacuum cleaning water separator.
Gas-oil separator.	Video-from-sync and sync-from-sync separator.
Gas separator.	Water separator.
Gas-solid separator.	
Hop stem separator.	
Horizontal separator.	

Separator attachment for vacuum cleaners, Liquid. L. C. Smith. 2,657,416, Nov. 3.
Separator drying method and apparatus for moisture carrying material. G. B. Ebersole. 2,658,615, Nov. 10.
Separator for cartridge cartons. R. C. Marshall. 2,626,077, Jan. 20.
Separator for cold milk products and the like, Centrifugal. H. M. Spross. 2,662,687, Dec. 15.
Separator for cotton harvesters. L. G. Fowler. 2,645,821, July 21.
Separator for electric accumulators. R. Bidard and G. Prémillieu. 2,633,479, Mar. 31.
Separator for electric secondary batteries. L. Fuller and J. A. Szper. 2,655,552, Oct. 13.
Separator for impurities present in the combustion products of gas turbine plants. R. J. Welsh. 2,659,448, Nov. 17.
Separator for intermingled fluids. E. R. Liggett and C. R. Calender. 2,661,605, Dec. 8.
Separator for liquids, Variable volume. W. B. Stewart. 2,661,094, Dec. 1.
Separator for rechargeable batteries, Interelectrode. M. N. Yardney and M. E. Kagan. 2,635,127, Apr. 14.
Separator for sheet feeding apparatus, Magnetic. L. W. Wall. 2,650,092, Aug. 25.
Separator for steam, water, and scale. J. P. Tyskewicz. 2,642,949, June 23.
Separator member for use in packing articles for shipment. L. J. Budd. 2,693,032, May 19.
Separator or classifier, Pneumatic. L. Vahey and C. H. J. V. Phillips. 2,634,858, Apr. 14.
Separator protector. J. C. Bradley. 2,643,279, June 23.
Separator sheet for filing appliances. J. H. Talmage and R. W. Finley. 2,642,067, June 16.

Separator with adjustable supply can bracket, Centrifugal. W. H. Harstick. 2,630,966, Mar. 10.
Septic tank. C. C. Elliott. 2,631,976, Mar. 17.
Sequence spark gap system. A. L. Gardner. 2,659,839, Nov. 17.
Sequence switch circuit. C. E. Lomax. 2,654,001, Sept. 29.
Sequence valve. E. F. Klessig. 2,653,624, Sept. 29.
Sequential double contact switch. A. J. Vaksvik. 2,646,484, July 21.
Sequential switch. P. C. Netzel. 2,627,559, Feb. 3.
Serial number printing control device. V. P. Baptist. 2,629,320, Feb. 24.
Serial numbering machine. H. P. Luhn. 2,661,896, Dec. 8.
Series capacitor protection. E. J. Diebold. 2,664,525, Dec. 29.
Series capacitor protective device and system. A. Van Ryan. 2,656,490, Oct. 20.
Series capacitor protector. E. J. Diebold. 2,664,526, Dec. 29.
Series of new 3-amino-2-oxazolidones and the preparation thereof. G. Gever. 2,652,402, Sept. 15.
Series of nitrofuran compounds comprising 5-nitro-2-furyl 2-dialkylaminoalkyl ketone semicarbazone salts. K. J. Hayes. 2,663,710, Dec. 22.
Series of nitrofuran compounds comprising substituted 5-nitro-2-furaldehyde semicarbazones. W. C. Ward and G. Gever. 2,656,350, Oct. 20.
Series of nitrofuran compounds comprising the acyl hydrazone ammonium salts of 5-nitroacyl furans. W. C. Ward. 2,626,258, Jan. 20.
Series reactance transformer. J. I. Bohnert. 2,637,781, May 5.
Serrated contact. H. C. Graves, Jr. 2,641,670, June 9.
Server, Automatic individual butter. V. Palazzolo. 2,663,932, Dec. 29.
Service cable entrance cap. A. J. Wayman. 2,648,721, Aug. 11.
Service kit and container therefor, Battery. B. F. W. Heyer. 2,633,237, Mar. 31.
Service line protection valve. E. R. Fitch. 2,631,691, Mar. 17.
Servicing system for aircraft, Multiple fuel tank. D. Samiran. 2,661,761, Dec. 8.
Serving, mixing, and cooking utensil. J. Mignolet. 2,658,730, Nov. 10.
Serving tray cover. J. D. Pryor, Sr. 2,631,912, Mar. 17.
Servo-acting disk brake. H. T. Lambert. 2,633,943, Apr. 7.
Servo apparatus, Reversible. E. McCartney and G. J. Watt. 2,652,523, Sept. 15.
Servo-control, Synchronous. J. Mercier. 2,634,387, Apr. 7.
Servo loading stand. S. P. Altman. 2,641,925, June 16.
Servo mechanism. L. P. Palsson. 2,655,133, Oct. 13.
Servo mechanism, Condenser. C. W. Sherwin. 2,640,954, June 2.
Servo mechanism for gas turbine fuel regulators, Hydraulic. N. E. Starkey. 2,659,349, Nov. 17.
Servomechanism for use in steering gears and the like, Power-operated. R. S. Ford. 2,644,428, July 7.
Servo mechanism, Hydraulic. E. E. Strief. 2,639,721, May 26.
Servomotor and control system therefor. R. S. Curry, Jr., and P. Halpert. 2,661,452, Dec. 1.
Servomotor apparatus, Combined manual and automatic hydraulic. E. J. Fenzl. 2,652,812, Sept. 22.
Servomotor control valve. E. R. Price. 2,654,391, Oct. 6.
Servomotor, Follow-up type pressure fluid. T. A. Feeney. 2,640,466, June 2.
Servomotor, Gyro-controlled. T. O. Summers, Jr. 2,635,836, Apr. 21.
Servomotor, Hydraulic. E. A. Puerner. 2,647,492, Aug. 4.
Servomoter network. G. P. de Westfelt. 2,629,077, Feb. 17.
Servomotor, Pressure fluid, follow-up type. P. Johnson. 2,661,723, Dec. 8.
Servo system. P. J. Jackson. 2,658,146, Nov. 3.
Servo system. H. B. Sedgfield, F. A. Summerlin, and G. H. Kyte. 2,644427, July 7.
Servo system, Hydraulic. N. B. Murphy. 2,640,370, June 2.
Servo valve bypass. J. R. Clifton. 2,648,313, Aug. 11.
Set mark eliminator. C. R. Beall. 2,630,838, Mar. 10.
Set point arm for control instruments, Adjustable. H. L. Bowditch. 2,660,146, Nov. 24.
Setscrew, Self-locking. P. W. Klooz. 2,631,635, Mar. 17.
Setscrew, Self-locking. C. E. Nagel. 2,637,361, May 5.
Settee and table, Combination. A. D. Munson. 2,636,547, Apr. 28.
Setter for bowling pins. G. C. Debay. 2,634,980, Apr. 14.
Setting and like mechanism for timepieces. F. Reymond. 2,660,025, Nov. 24
Setting of saw teeth, Means for the. N. Rosenlund. 2,651,220, Sept. 8.
Setting or testing hydraulic shock absorbers, Means for. F. A. D. Sadler. 2,638,777, May 19.
Setting protein containing coatings with ammonium. J. E. Jones. 2,652,345, Sept. 15.
Settling of fluorescent screens. A. J. H. Darlaston. 2,662,830, Dec. 15.
7-bromo-5-chloroisatin and the corresponding sodium salt of isatic acid, Producing. R. F. Coles. 2,642,439, June 16.
7-dehydrosterols, Production of. R. Kapp, S. Chodroff, and L. R. Sofield. 2,642,446, June 16.
7-hydroxypteridines. R. Tschesche. 2,632,760, Mar. 24.
7-substituted dialkylxanthines and process of preparing same. W. H. Feinstone and B. F. Duesel. 2,661,352, Dec. 1.
17 α-hydroxycorticosterone by tissue oxidation of 17 α-hydroxyprogesterone, Production of. A. Zaffaroni. 2,643,970, June 30.
17-alpha-hydroxy-4-pregnene-3,6,20-trione and process. H. C. Murray and E. H. Peterson. 2,660,585, Nov. 24.
17α-hydroxy steroids, Preparation of. P. L. Julian, E. W. Meyer, and I. Ryden. 2,648,663, Aug. 11.
17α-Hydroxy steroids, Preparation of. P. L. Julian, E. W. Meyer, and I. Ryden. 2,662,904, Dec. 15.
17-carbalkoxy steroids, Preparing. A. L. Wilds. 2,660,584, Nov. 24.
17-keto steroids, Manufacture of. E. B. Hershberg and E. P. Oliveto. 2,656,364, Oct. 20.
Severing attachment for tractors, Root. J. L. Haines. 2,633,792, Apr. 7.
Severing mechanism. G. M. Bonebrake. 2,643,619, June 30.
Severing or severing and conveying lengths of wire or similar stock, Means for. A. G. Ballard, W. C. Dent, D. G. Broscomb, and A. B. Watt. 2,662,597, Dec. 15.
Sewage digester. S. E. Kappe. 2,638,444, May 12.
Sewage purification treatment. J. W. Hood. 2,658,034, Nov. 3.
Sewage recirculation. L. B. Griffith. 2,653,907, Sept. 29.
Sewage sludge digestion process. P. D. McNamee, A. B. Fay, and T. S. Derry. 2,640,027, May 26.
Sewage treatment. A. J. Fischer and W. A. Kivell. 2,624,704, Jan. 6.
Sewage treatment. E. N. Mortenson. 2,661,332, Dec. 1.
Sewer cleanout implement. W. F. Anderson. 2,637,058, May 5.
Sewer obstacle remover. R. V. Marks. 2,626,404, Jan. 27.
Sewing and trimming machine, Moccasin. C. A. Newhall. 2,632,415, Mar. 24.
Sewing and tufting fabric sections. J. K. McCutchen. 2,649,748, Aug. 25.
Sewing attachment for sewing machines, Hem. J. Hickey. 2,661,710, Dec. 8.
Sewing device. M. Maw. 2,660,346, Nov. 24.
Sewing kit. E. K. Madan. 2,646,908, July 28.
Sewing machine. W. A. Ayres. 2,632,604, Mar. 24.
Sewing machine. M. Buono. 2,627,828, Feb. 10.
Sewing machine. R. Casas Robert and J. Court. 2,633,092, Mar. 31.
Sewing machine. R. Casas-Robert and J. Court. 2,653,557, Sept. 29.
Sewing machine. M. Chianici. 2,645,193, July 14.
Sewing machine. R. E. Johnson and C. A. Kessler. 2,633,816, Apr. 7.
Sewing machine. C. L. Knott. 2,657,653, Nov. 3.
Sewing machine. W. Kostro. 2,655,885, Oct. 20.
Sewing machine. A. Krohn. 2,635,569, Apr. 21.
Sewing machine. I. M. and H. S. Overman. 2,657,654, Nov. 3.
Sewing machine. C. Reinhold. 2,656,805, Oct. 27.
Sewing machine and attachment for producing scalloped shirred trimming material. E. L. Seaman. 2,631,556, Mar. 17.
Sewing machine attachment. R. T. Cozart, Jr. 2,638,067, May 12.
Sewing-machine attachment. B. A. Taylor. 2,639,682, May 26.
Sewing machine attachment for basting. J. P. Enos. 2,642,021, June 16.
Sewing machine construction. P. F. Cencer and F. Whiteman. 2,663,273, Dec. 22.
Sewing machine construction. H. V. Kindseth and H. K. Fox. 2,630,086, Mar. 3.
Sewing machine construction, Overedge. N. L. Wallenberg and A. M. Schweda. 2,637,291, May 5.
Sewing machine, Cup feed. M. L. Cook. 2,632,412, Mar. 24.
Sewing machine, Dual purpose. H. Schaper. 2,663,607, Dec. 22.
Sewing machine feed, Adjustable. J. Gottlieb, C. Woessner, and L. Eickemeyer. 2,638,068, May 12.
Sewing machine for making French bindings. J. S. Willis. 2,628,580, Feb. 17.
Sewing machine for making one-thread machine seams. F. Mikolas. 2,636,461, Apr. 28.
Sewing machine for stitching leather cases. J. Heggie. 2,652,014, Sept. 15.
Sewing machine housing. G. Stehr. 2,658,465, Nov. 10.
Sewing machine lubrication. A. N. Hale. 2,652,799, Sept. 22.
Sewing machine, Overedge. A. C. Peterson, N. L. Wallenberg, and C. C. Smith. 2,636,462, Apr. 28.
Sewing machine, Overedge. N. L. Wallenberg and G. Sauer. 2,627,829, Feb. 10.
Sewing machine, Portable. H. W. Huntington. 2,639,683, May 26.
Sewing machine, Shoe. F. Ashworth. 2,644,412, July 7.
Sewing machine, Shoe. F. C. Eastman. 2,647,478, Aug. 4.
Sewing machine, Shoe. F. C. Eastman. 2,662,492, Dec. 15.
Sewing machine, Shoe. A. R. Morrill. 2,625,124, Jan. 13.

Sewing machine, Shoe inseam. J. P. Carter. 2,662,493, Dec. 15.
Sewing machine, Shoe sole. F. Ashworth. 2,640,449, June 2.
Sewing machine, Slip stitch. H. Honig and M. Greenfield. 2,635,570, Apr. 21.
Sewing machine table. K. Schelwiller. 2,652,800, Sept. 22.
Sewing machine with drive and support therefor. G. B. Sauer and A. M. Schweda. 2,644,414, July 7.
Sewing machine with protective covering slitting means. H. C. Paulson. 2,629,352, Feb. 24.
Sewing machine, Zigzag. R. Casas Robert and J. Court. 2,652,795, Sept. 22.
Sewing needle holder. W. J. Spencer. 2,654,513, Oct. 6.
Sextant. P. F. Everitt and J. Keeble. 2,652,976, Sept. 22.
Shackle for hanging poultry, Rigid type. R. S. Zebarth. 2,639,463, May 26.
Shackle, Poultry. E. Crane. 2,644,981, July 14.
Shackle, Poultry. D. B. Van Dolah. 2,632,201, Mar. 24.
Shade and chassis construction, Electric light fixture. A. R. Elmendorf. 2,643,328, June 23.
Shade and curtain hardware, Drapery. I. Lundstrom. 2,650,715, Sept. 1.
Shade-producing apparatus. E. W. and F. V. Marshall. 2,660,186, Nov. 24.
Shade, Spring-held decorative. L. W. Schoenherr. 2,644,883, July 7.
Shaded glazes, Production of. L. J. Le Clerq. 2,627,101, Feb. 3.
Shaft-aligning mechanism. R. Voss. 2,634,939, Apr. 14.
Shaft alignment device. J. E. Callahan. 2,638,676, May 19.
Shaft assembly, including handle-grip and hand-loop strap. T. L. Fawick. 2,645,501, July 14.
Shaft bearing. W. S. Anderson. 2,648,575, Aug. 11.
Shaft coupling. H. E. Strausser. 2,642,729, June 23.
Shaft coupling mechanism. R. H. Anderson. 2,626,027, Jan. 20.
Shaft cutting and centering machine. H. N. Baney, L. A. C. Slentz, and A. A. Kirkpatrick. 2,633,039, Mar. 31.
Shaft, Flexible. H. Troeger and B. W. Goldberg. 2,647,380, Aug. 4.
Shaft furnace. J. J. Craig, J. E. Dunasky, M. F. Morgan, and A. L. Foell. 2,624,560, Jan. 6.
Shaft machine, Helical. W. E. De Wald. 2,646,687, July 28.
Shaft mucker. E. B. Royle. 2,642,199, June 16.
Shaft or rod packing. L. B. Collins and C. A. Langstaff. 2,660,458, Nov. 24.
Shaft positioning apparatus. R. W. May. 2,627,957, Feb. 10.
Shaft positioning system. H. M. Schweighofer and G. E. Nicholson. 2,656,497, Oct. 20.
Shaft puller. J. H. Allbright. 2,624,612, Jan. 6.
Shaft seal. L. P. Grobel. 2,647,771, Aug. 4.
Shaft seal apparatus. D. Johnson. 2,639,171, May 19.
Shaft sealing device. T. Bjornstad. 2,625,446, Jan. 13.
Shaft sealing device. W. M. Coopman. 2,650,842, Sept. 1.
Shaft sealing device for pumps, compressors, and similar apparatus. L. W. Bryant. 2,643,141, June 23.
Shaft strut and housing, Combination. J. L. Hacker. 2,630,094, Mar. 3.
Shaft tightener insert. W. Van Dyke. 2,642,321, June 16.
Shaft vibrator. H. E. Willitts. 2,646,685, July 28.
Shaftless electrical control instrumentality. W. H. Budd and A. M. Daily. 2,639,358, May 19.
Shakeout device for tight flask molds, Automatic. A. C. Christensen. 2,652,605, Sept. 22.
Shaker, Salt and pepper. A. Esposito and A. Galantino. 2,652,951, Sept. 22.
Shaker screen drive mechanism, Adjustable. R. W. Kling. 2,647,630, Aug. 4.
Shaker with novel closing cap, Condiment. J. F. Von Essen. 2,656,076, Oct. 20.
Shaking device, especially internal shaker for compacting loose masses. W. Degen. 2,656,161, Oct. 20.
Shaking device for layer and loose materials. W. Degen. 2,662,750, Dec. 15.
Shale oil refining. R. C. Castner and R. C. Archibald. 2,662,843, Dec. 15.
Shampooing and setting hair. N. B. Gallenkamp. 2,655,923, Oct. 20.
Shank button attachment, Universal. L. C. Llero, A. A. Arcury, and P. C. Trilli. 2,630,087, Mar. 3.
Shank-grip slidable side jaw wrench. M. W. Hunter. 2,653,501, Sept. 29.
Shaped article and producing it. A. Cresswell. 2,637,321, May 5.
Shaper cutting gears. W. S. Praeg. 2,644,367, July 7.
Shaping, feeding, and sheeting of dough, Means for continuous. D. W. Enoch. 2,642,013, June 16.
Shaping the counter portion and turning the wrapper of a shoe of the force-lasted or California type. W. F. Herlihy. 2,634,441, Apr. 14.
Share, Two-piece. R. C. Frevik. 2,626,555, Jan. 27.
Sharpener, Conditioning cutlery. C. C. Renteria. 2,652,668, Sept. 22.
Sharpener, Fishhook. L. L. Gaines. 2,657,503, Nov. 3.
Sharpener, Knife. C. D. Arnold. 2,652,667, Sept. 22.
Sharpener, Screw driver. F. Kobos. 2,653,421, Sept. 29.
Sharpening and polishing machine. F. Bikles. 2,648,174, Aug. 11.
Sharpening implement, Sickle bar. L. T. Ferrin. 2,654,187, Oct. 6.
Sharpening machine, Broach. B. Welte. 2,649,662, Aug. 25.
Sharpening machine, Tool. A. T. and R. E. Mead. 2,659,184, Nov. 17.
Shaver and hair receiving compartment therefor. I. Jepson. 2,648,898, Aug. 18.
Shaver construction, Electric dry. J. Streng. 2,661,531, Dec. 8.
Shaver, Electric. A. P. Miller. 2,640,259, June 2.
Shaving apparatus. J. A. G. Malmberg. 2,637,902, May 12.
Shaving apparatus for rotating ice blocks. D. H. Fletcher. 2,627,377, Feb. 3.
Shaving brush and soap holder, Combined. A. E. Hartmann. 2,642,608, June 23.
Shaving gears. W. S. Praeg. 2,660,929, Dec. 1.
Shaving implement. J. L. Kleinman. 2,629,169, Feb. 24.
Shear assembly. L. V. Dutro and J. F. Nameth. 2,659,436, Nov. 17.
Shear, Bloom. J. Hahn. 2,648,383, Aug. 11.
Shear coupling controlled electric switch. A. B. Collins. 2,664,476, Dec. 29.
Shear cutter. M. Pinto. 2,649,648, Aug. 25.
Shear, Flying. F. C. Biggert, Jr. 2,653,662, Sept. 29.
Shear, Hand-held motor-driven. C. B. Gray. 2,631,370, Mar. 17.
Shear pin cutout for stoker motors. D. L. Getz. 2,628,337, Feb. 10.
Shearing action device. D. H. Keiser, Jr. 2,661,534, Dec. 8.
Shearing and loading machine, Combined. J. Yarmak. 2,648,530, Aug. 11.
Shears. P. Althausen. 2,624,114, Jan. 6.
Shears, Barber. A. J. May. 2,639,504, May 26.
Shears, Double cutting metal. W. M. Shoffner. 2,632,246, Mar. 24.
Shears, Electric. R. O. Hooker. 2,637,103, May 5.
Shears, Pinking. E. Kane and E. L. Whitlock. 2,658,274, Nov. 10.
Shears, Portable power. J. Carnesecca, Jr. 2,631,369, Mar. 17.
Shears, Power-driven hand sheet metal. R. W. James. 2,635,335, Apr. 21.
Shears, Power-operated. H. W. Dutcher. 2,652,626, Sept. 22.
Shears, Removable blade. W. B. Gilson. 2,647,314, Aug. 4.
Shears, Rotary miss-cut. K. W. Hallden. 2,642,938, June 23.
Shears with lateral handle action, Grass. L. I. Yeomans. 2,662,286, Dec. 15.
Shears with vertical handle action, Grass. L. I. Yeomans. 2,662,285, Dec. 15.
Sheath for hair combs, Disposable. A. Newman. 2,646,804, July 28.
Sheath stripper for cable having twisted conductors. W. A. Schneider. 2,624,221, Jan. 6.
Sheath with embedded electrical conductor, Insulating. L. D. Hood. 2,647,160, July 28.
Sheathed electric conductor. J. V. McBride. 2,663,755, Dec. 22.
Sheathed plug connector. W. J. Coyle. 2,626,978, Jan. 27.
Sheathed resistor electric heater. A. C. Boggs. 2,659,795, Nov. 17.
Sheathing cable cores. A. N. Gray. 2,629,921, Mar. 3.
Sheave. E. N. Howell. 2,655,813, Oct. 20.
Sheave. L. K. Morey. 2,637,214, May 5.
Sheave, Adjustable pitch. T. C. Knudsen. 2,648,988, Aug. 18.
Sheave and adapter. J. C. P. Harris and L. P. Starnes. 2,639,621, May 26.
Sheave assembly. T. B. Appel, Jr. 2,645,533, July 14.
Sheave block with adjustable eye. R. Y. Barkley. 2,639,891, May 26.
Shed closing and pick-back mechanism. N. P. Darash. 2,654,397, Oct. 6.
Shed dobby, Closed. H. H. Staubli and J. Eichholzer. 2,635,644, Apr. 21.
Shedding mechanism for looms. W. R. Hewton. 2,633,874, Apr. 7.
Shedding mechanism for looms. E. Pfarrwaller. 2,644,488, July 7.
Sheet. H. B. Cheesman. 2,662,233, Dec. 15.
Sheet. E. M. and E. L. Kromer. 2,637,049, May 5.
Sheet and mattress, Combination. P. B. Brown. 2,630,587, Mar. 10.
Sheet assembling and pasting machine. J. M. Wimmer. 2,635,871, Apr. 21.
Sheet assembling machine. T. J. Patty. 2,663,019, Dec. 22.
Sheet assembly structure. J. W. Kice and J. M. Redmond, Jr. 2,625,290, Jan. 13.
Sheet, Bed. L. D. Bate. 2,636,191, Apr. 28.
Sheet, Bed. M. Levin. 2,630,588, Mar. 10.
Sheet charging apparatus. A. F. Pierce. 2,663,434, Dec. 22.
Sheet collating machine. W. M. Kelly. 2,634,972, Apr 14.
Sheet construction, Bed. B. Citron. 2,662,234, Dec. 15
Sheet controlled rotary printing press. C. W. Johnson 2,651,990, Sept. 15.

Sheet controlling mechanism. L. C. Williams. 2,634,126, Apr. 7.
Sheet counter and marker, Portable. K. H. Andren. Re. 23,641, Apr. 14.
Sheet counting and tab inserting device. R. B. Smith. 2,629,300, Feb. 24.
Sheet counting device for sheet handling machines. A. De Palma. 2,656,979, Oct. 27.
Sheet cutting and inspecting means. C. W. Martin, C. W. Beck, and J. W. Rick. 2,650,091, Aug. 25.
Sheet cutting machine. M. J. Fey. 2,637,394, May 5.
Sheet cutting tool. H. Hedstrom. 2,632,950, Mar. 31.
Sheet delivering apparatus. G. A. Martin. 2,626,800, Jan. 27.
Sheet delivery apparatus for printing machines. A. W. Ranger. 2,637,553, May 5.
Sheet delivery arrangement for hectographic copying machines. R. Brown and L. H. N. Watton. 2,658,450, Nov. 10.
Sheet delivery mechanism. J. W. Clay. 2,654,604, Oct. 6.
Sheet delivery mechanism. T. J. Elliott. 2,657,052, Oct. 27.
Sheet delivery mechanism. J. R. Wood and H. J. Seel. 2,631,038, Mar. 10.
Sheet delivery system for presses. H. R. Long. 2,645,480, July 14.
Sheet distributor. D. C. McGalliard. 2,661,209, Dec. 1.
Sheet edge trimmer for printing presses. J. J. Isella. 2,645,995, July 21.
Sheet edging apparatus. G. White. 2,637,951, May 12.
Sheet feeder. D. E. Loeber. 2,636,734, Apr. 28.
Sheet feeder for printing presses, Pneumatic. R. T. Larson. 2,633,797, Apr. 7.
Sheet feeding and registering mechanism. H. J. Luehrs. 2,638,342–43, May 12.
Sheet-feeding and turning apparatus. R. N. Fuller. 2,649,303, Aug. 18.
Sheet feeding apparatus. H. T. Backhouse. 2,643,121, June 23.
Sheet feeding arrangement for rotary printing machines. H. Gerlach. 2,633,795, Apr. 7.
Sheet feeding machine. C. D. Lake, D. R. Platt and J. A. Weidenhammer. 2,631,037, Mar. 10.
Sheet feeding mechanism. R. J. Thompson. 2,635,695, Apr. 21.
Sheet feeding mechanism, Automatic. M. G. Townsley. 2,655,374, Oct. 13.
Sheet glass drawing process, Continuous. W. M. Kramer and R. F. Fey. 2,630,656, Mar. 10.
Sheet guide for platen presses. C. P. Kuever. 2,631,537, Mar. 17.
Sheet handling apparatus. E. A. Matteson. 2,658,752, Nov. 10.
Sheet handling mechanism for cutting machines. W. R. Spiller. 2,649,155, Aug. 18.
Sheet handling mechanism for rotary printing presses. H. K. Baumgardner and J. D. Kreis. 2,629,323, Feb. 24.
Sheet inserting apparatus for printing presses. P. L. Tollison. 2,631,033, Mar. 10.
Sheet marking and measuring apparatus. A. H. Bates, Jr., N. Bobo, C. F. Mullinax, and W. W. Macomson. 2,639,508, May 26.
Sheet material and manufacture, Sound deadening. E. O. Groskopf. 2,636,543, Apr. 28.
Sheet material, Making. L. H. Hills. 2,649,372, Aug. 18.
Sheet measuring apparatus. A. H. Bates, Jr., C. F. Mullinax, and W. W. Macomson. 2,645,939, July 21.
Sheet metal bearings, Producing. G. B. Stillwagon, Jr. 2,629,165, Feb. 24.
Sheet metal bending apparatus. T. W. Lloyd and D. W. Mason. 2,627,890, Feb. 10.
Sheet metal bending brake. R. W. Skinner and A. G. Frampton. 2,638,141, May 12.
Sheet metal bending brake. R. E. Smith, Sr. 2,651,349, Sept. 8.
Sheet metal, Coated. S. G. Henderson. 2,628,175, Feb. 10.
Sheet metal container. J. Henchert. 2,652,947, Sept. 22.
Sheet metal feeder R. Van Schie. 2,628,726, Feb. 17.
Sheet metal lay-out device. C. K. Rauser. 2,632,250, Mar. 24.
Sheet metal pillow block. J. T. Ruist. 2,654,645, Oct. 6.
Sheet metal separating device. R. J. Van Schie. 2,662,648, Dec. 15.
Sheet metal snap fastener. G. A. Tinnerman. 2,659,951, Nov. 24.
Sheet moisture drying machine control mechanism. A. E. Bennett. 2,629,939, Mar. 3.
Sheet moisture drying machine control mechanism. A. E. Bennett. 2,659,987, Nov. 24.
Sheet-mounting machine. L. Mestre. 2,627,406, Feb. 3.
Sheet or signature feeding mechanism. L. C. Williams. 2,643,113, June 23.
Sheet pickup and feeder. W. G. Montgomery. 2,661,948, Dec. 8.
Sheet plier end stop structure. G. F. Bauer. 2,661,949, Dec. 8.
Sheet protector. G. W. Amberg. 2,630,122, Mar. 3.
Sheet registering apparatus. H. T. Backhouse. 2,642,284, June 16.
Sheet registering mechanism. A. J. Albrecht. 2,642,283, June 16.
Sheet reversing mechanism for rotary perfecting sheet printing apparatus. H. F. Gammeter. 2,625,101, Jan. 13.
Sheet rubber having a nonsticking liner and making same. J. R. Hoover. 2,656,292, Oct. 20.
Sheet separating and feeding mechanism, Automatic. E. L. Johnson. 2,652,248, Sept. 15.
Sheet stacker, Metal. S. R. Johnson and C. T. Walter. 2,649,302, Aug. 18.
Sheet stacking and delivering machine. N. McClure and S. D. Stacy. 2,655,272, Oct. 13.
Sheet stacking machine. L. S. Brown. 2,625,394, Jan. 13.
Sheet stacking mechanism. A. F. Pierce. 2,647,645, Aug. 4.
Sheet stock punch head housing. A. O. Marsh. 2,660,245, Nov. 24.
Sheet stripping means for printing presses. E. F. Dell. 2,647,462, Aug. 4.
Sheet-supporting machine. H. T. Backhouse. 2,654,602, Oct. 6.
Sheet tearing device. N. H. Sandberg and H. O. Ronning. 2,639,772, May 26.
Sheet transfer and guide. R. J. Kovatch. 2,643,757, June 30.
Sheet transfer means. F. S. Elsaesser. 2,643,880, June 30.
Sheet trimmer. E. L. Stein. 2,624,408, Jan. 6.
Sheet wrapper mechanism for facsimile machines. C. Jelinek, Jr. 2,647,034, July 28.
Sheeter and wrapper for package wrapping machines, Combination. M. H. Corley, B. A. Arvidson, and R. F. Barber. 2,654,196, Oct. 6.
Sheeting machine for dough. E. M. Crosland and J. F. Naylor. 2,642,014, June 16.
Shelf. T. R. Anderson. 2,643,931, June 30.
Shelf. A. M. Hess. 2,640,599, June 2.
Shelf. J. T. Shields. 2,634,867, Apr. 14.
Shelf and cabinet structure, Knockdown. W. D. and G. Butler. 2,624,083, Jan. 6.
Shelf and container for refrigerator cabinets. F. R. Eck. 2,658,727, Nov. 10.
Shelf and front panel bracket combination. J. Isaac. 2,631,808, Mar. 17.
Shelf arrangement, Library. C. S. Brown. 2,644,588, July 7.
Shelf assembly. W. R. Jewell. 2,645,359, July 14.
Shelf attaching and supporting means. T. M. Dunham. 2,639,043, May 19.
Shelf, Auxiliary. P. F. Litchfield. 2,633,996, Apr. 7.
Shelf divider, Adjustable. T. J. Hilgen. 2,658,628, Nov. 10.
Shelf, Foldable. V. E. Piton. 2,662,645, Dec. 15.
Shelf for chairs, Writing. C. J. Barecki. 2,637,367, May 5.
Shelf for instrument boards of automobiles, Detachable. A. Bunce. 2,628,140, Feb. 10.
Shelf partition. J. E. Echlin. 2,626,063, Jan. 20.
Shelf, Refrigerator. O. V. Saunders. 2,647,812, Aug. 4.
Shelf support. R. J. Backman. 2,626,773, Jan. 27.
Shelf, Swinging refrigerator. F. R. Eck. 2,658,811, Nov. 10.
Shell forgings, Making. P. J. Culhane, Jr. 2,642,647, June 23.
Sheller, Nut. C. L. Harless. 2,651,342, Sept. 8.
Shelling nuts, Method and apparatus for. F. O. McMillan. 2,661,784, Dec. 8.
Shelter, Demountable. C. D. Willson. 2,627,949, Feb. 10.
Shelter, Double-wall portable. C. G. Suits. 2,649,101, Aug. 18.
Shelter for automobiles, Portable. S. Mitchell and A. Guidry. 2,627,865, Feb. 10.
Shelter, Outdoor instrument. L. E. Wood. 2,652,722, Sept. 22.
Shelter, Transportable. F. R. Daly. 2,662,232, Dec. 15.
Shelving and partition support. R. F. McMahan. 2,644,591, July 7.
Shelving and the like, Knockdown. J. L. Merrick. 2,636,618, Apr. 28.
Shelving, Collapsible and expansible. P. Garrick. 2,657,810, Nov. 3.
Shelving, Erectible. P. Rosenberg. 2,631,913, Mar. 17.
Shelving for refrigerators and the like, Revolving. W. K. Kader. 2,628,880, Feb. 17.
Shelving, Knockdown. S. H. Marks. 2,639,819, May 26.
Shield and guide for magnetic recorder-reproducer heads. W. A. Brastad. 2,627,557, Feb. 3.
Shield, Fender. T. J. Soroka. 2,655,389, Oct. 13.
Shield for automobile windows, Weather. A. A. Kaul. 2,657,089, Oct. 27.
Shield for clotheslines, Sectional. J. Klein. 2,650,716, Sept. 1.
Shield for cultivators, Plant. B. F. Greiman. 2,633,791, Apr. 7.
Shield for drive-in or other outdoor moving picture theater projection screens, Daylight. S. D. Grubbs, Sr. 2,659,429, Nov. 17.
Shield for linoleum covered sink tops. J. F. Kirvay. 2,635,253, Apr. 21.
Shield for neurocalometers. G. E. Anderson. 2,646,035, July 21.
Shield for rear-vision automobile mirrors, Glare. J. Wolk. 2,637,246, May 5.
Shield for rosette making machine, Separable. R. Cruz. 2,660,777, Dec. 1.

Shield for transformer coils. L. C. Westphal. 2,652,521, Sept. 15.
Shield for wall switches. E. J. Hagen. 2,634,016, Apr. 7.
Shield for welders, Face and eye protective. J. H. Jacobs. 2,644,159, July 7.
Shield, Hand. J. L. Beatty. 2,651,776, Sept. 15.
Shield, Hose nozzle. A. J. Ackermann. 2,643,668, June 30.
Shield, Lip. R. J. Ernst. 2,640,991, June 9.
Shield or towel, Protecting. J. Brennish. 2,654,092, Oct. 6.
Shield, Shoulder strap. B. C. Sanders. 2,633,573, Apr. 7.
Shield structure and filament mount for electron discharge devices. D. R. Kerstetter. 2,648,026, Aug. 4.
Shield with offset lenses, Welding. J. H. Jacobs. 2,644,160, July 7.
Shielded antifriction bearing. C. W. Lighthall. 2,655,392, Oct. 13.
Shielded spark plug. M. Ingram. 2,633,116, Mar. 31.
Shielding apparatus, Electromagnetic. T. E. Hanley. 2,636,123, Apr. 21.
Shift control for auxiliary transmissions. T. Backus. 2,637,222, May 5.
Shift control for auxiliary transmissions. C. M. Perkins. 2,654,268, Oct. 6.
Shift mechanism. B. F. Madsen. 2,658,105, Nov. 3.
Shift register. H. M. Fleming, Jr. 2,638,542, May 12.
Shift rod adjusting clamp. J. P. Hobart. 2,664,305, Dec. 29.
Shift-speed control for outboard motors. E. C. Kiekhaefer. 2,635,576, Apr. 21.
Shiftable sheet feeding device for duplicating machines. C. A. Levin. 2,660,431, Nov. 24.
Shim and gasket, Combined. F. W. and R. G. Farnam. 2,639,174, May 19.
Shingle. H. Abraham. 2,659,322, Nov. 17.
Shingle. H. Abraham. 2,660,135–6, Nov. 24.
Shingle. H. Abraham. 2,662,491, Dec. 15.
Shingle. H. J. Luce. 2,658,461, Nov. 10
Shingle. P. E. Williams. 2,642,823, June 23.
Shingle, Aluminum. L. J. Korter. 2,631,552, Mar. 17.
Shingle, Flexible. E. L. Lincoln. 2,659,321, Nov. 17.
Shingle, Hod carrier's. F. L. Harris, Sr. 2,635,452, Apr. 21.
Shingle, Interlocking. D. B. Ronzone. 2,664,056, Dec. 29.
Shingle, Reversible. R. Patterson. 2,662,490, Dec. 15.
Shingle, Roofing. P. MacDonald. 2,655,880, Oct. 20.
Shingle surfacing machine. J. S. Gifford. 2,647,547, Aug. 4.
Shingled roofing. H. Abraham. 2,660,137, Nov. 24.
Shingling strip, Roof. H. A. Lee. 2,655,879, Oct. 20.
Ship construction for reducing drag. A. F. Ouellet. 2,663,276, Dec. 22.
Ship construction, Welded. G. Allegro. 2,644,418, July 7.
Ship propulsion gear. F. A. Silberkrilb. 2,661,633, Dec. 8.
Ship stabilizer. H. P. Lasseter. 2,649,068, Aug. 18.
Ship unloading facilities for high-pressure fluids, Offshore. F. G. Marancik and J. A. Laudenberger. 2,648,201, Aug. 11.
Shipping and storing combustible gases, Method and apparatus for. E. H. Brown. 2,650,478, Sept. 1.
Shipping carton and floor stand, Combination. R. E. Paige and M. Rafaat. 2,659,483, Nov. 17.
Shipping case unloading apparatus. P. E. Fischer and E. Ardell. 2,656,060, Oct. 20.
Shipping container. P. F. Paul and L. O'Leary. 2,657,849, Nov. 3.
Shipping container. F. J. White and C. W. Scott. 2,648,428, Aug. 11.
Shipping device. G. W. Keiser, Jr., H. D. Muise, and W. A. Miller. 2,642,989, June 23.
Shipping frame for glass, Folding. J. M. Freiberg. 2,626,050, Jan. 20.
Shipping package. W. Gill and S. S. Nicholson. 2,662,649, Dec. 15.
Shipping package and pallet means. J. S. Addison. 2,633,982, Apr. 7.
Shipping structure, Palletized. L. J. Budd. 2,628,715, Feb. 17.
Shirring attachment for sewing machines. C. and E. L. Seaman. 2,662,494, Dec. 15.
Shirt. E. and A. Rinehart. 2,646,570, July 28.
Shirt and tie, Combination. J. M. Crothers. 2,647,262, Aug. 4.
Shirt and tie holder combination. D. Boller. 2,624,050, Jan. 6.
Shirt board. H. A. Tomarin. 2,633,275, Mar. 31.
Shirt board. K. Youngblood. 2,648,469, Aug. 11.
Shirt board and collar protector, Combination. J. A. O'Reilly. Re. 23,712, Sept. 8.
Shirt, Convertible. G. Lombardi. 2,651,042, Sept. 8.
Shirt folder. E. N. Neckel. 2,629,519, Feb. 24.
Shirt having detachable insignia panel, Sport. H. Rassner. 2,647,261, Aug. 4.
Shirt hold-down device. S. Arnold. 2,663,026, Dec. 22.
Shirt package and method of packaging. S. M. Bloom. 2,632,564, Mar. 24.
Shirt, Zipper. M. L. Kaplan. 2,636,177, Apr. 28.
Shirt, Zipper. M. L. Kaplan. 2,639,432, May 26.
Shock absorber. G. A. Brundrett. 2,626,685, Jan. 27.
Shock absorber. W. A. Coda. 2,659,595, Nov. 17.
Shock absorber. M. Funkhouser. 2,630,193, Mar. 3.
Shock absorber. M. Funkhouser and G. A. Brundrett. 2,655,233, Oct. 13.
Shock absorber. W. D. McIntyre. 2,653,681, Sept. 29.
Shock absorber. W. G. Patriquin. 2,637,414, May 5.
Shock absorber. E. F. Rossman. 2,657,770, Nov. 3.
Shock absorber. C. A. Tea. 2,631,694, Mar. 17.
Shock absorber. R. H. Whisler, Jr., and D. A. Palmer. 2,653,682, Sept. 29.
Shock absorber and stabilizer, Double-acting. A. Formanek. 2,650,088, Aug. 25.
Shock absorber assembly for portable electric flashlights. L. C. Grimsley. 2,651,763, Sept. 8.
Shock absorber, Counter rod. J. Mercier. 2,636,726, Apr. 28.
Shock absorber, Double-acting hydraulic piston. C. Granet and M. Helbig. 2,646,136, July 21.
Shock absorber, especially for automotive vehicles. R. Pirard. 2,646,860, July 28.
Shock absorber for railway car trucks. G. E. Dath. 2,633,352, Mar. 31.
Shock absorber for railway car trucks. A. E. Dentler. 2,647,744, Aug. 4.
Shock absorber for railway car trucks. L. F. Gadbois. 2,628,089, Feb. 10.
Shock absorber for railway car trucks, Friction. G. E. Dath. 2,643,874, June 30.
Shock absorber for railway car trucks, Friction. G. E. Dath. 2,643,876, June 30.
Shock absorber for railway car trucks, Friction. G. E. Dath. 2,658,747, Nov. 10.
Shock absorber for railway car trucks, Friction. W. E. Withall. 2,630,317, Mar. 3.
Shock absorber for railway car trucks, Friction. W. E. Withall. 2,641,462, June 9.
Shock absorber for railway draft riggings. P. M. Bourdon. 2,650,721, Sept. 1.
Shock absorber for railway draft riggings, Friction. H. W. Mulcahy. 2,639,044, May 19.
Shock absorber for trucks of railway cars, Friction. G. E. Dath and E. H. Lehman. 2,643,875, June 30.
Shock absorber for vehicles, Hydraulic. W. Armstrong. 2,662,615, Dec. 15.
Shock absorber, Friction type. C. Saurer and F. M. Guy. 2,653,684, Sept. 29.
Shock absorber, Hydraulic. C. W. Gunnels, Jr. 2,628,118, Feb. 19.
Shock absorber, Hydraulic. W. W. Riedel and J. T. Marvin. 2,635,715, Apr. 21.
Shock-absorber, Liquid spring. R. L. Levy. 2,650,820, Sept. 1.
Shock absorber, Load supporting. R. G. Tillou and A. E. Pawlak. 2,631,841, Mar. 17.
Shock absorber, Telescopic. J. N. Strauss. 2,653,683, Sept. 29.
Shock absorber testing and indicating apparatus. W. L. Allen. 2,660,879, Dec. 1.
Shock absorbing and insulation material, Making. G. A. Gerard. 2,652,878, Sept. 22.
Shock absorbing connections, Making. H. L. Hartzell. 2,639,496, May 26.
Shock absorbing device. L. C. Musilli. 2,655,369, Oct. 13.
Shock absorbing drag strut for aircraft landing gears. S. A. Gordon, M. P. Espy, C. H. Cooke, and M. G. Gertel. 2,661,203, Dec. 1.
Shock absorbing means for aircraft seats. R. B. Cotton. 2,637,368, May 5.
Shock-absorbing mechanism. G. Q. Gabriel. 2,639,141, May 19.
Shock absorbing mechanism for draft riggings of railway cars. V. S. Danielson and C. A. Anderson. 2,656,935, Oct. 27.
Shock absorbing mechanism for railway cars, Friction. G. E. Dath. 2,650,719, Sept. 1.
Shock absorbing mechanism for railway draft riggings. V. S. Danielson. 2,650,720, Sept. 1.
Shock absorbing mechanism for railway draft riggings. V. S. Danielson and R. G. Tillou. 2,656,936, Oct. 27.
Shock absorbing mechanism for railway draft riggings. R. G. Tillou. 2,656,937, Oct. 27.
Shock absorbing mechanism for railway draft riggings, Friction. V. S. Danielson. 2,639,821, May 26.
Shock-absorbing suspension device, Resilient. F. S. Allinquant. 2,661,207, Dec. 1.
Shock and vibration isolating mounting. R. C. Henshaw. 2,641,434, June 9.
Shock mount. E. Pletz. 2,638,303, May 12.
Shock mount. E. Pletz. 2,642,252, June 16.
Shock mounting. R. F. Norris and R. D. Avery. 2,647,717, Aug. 4.
Shockproof dial indicator. G. H. Andersson. 2,645,857, July 21.
Shockproof dial indicafor gauge. A. H. Emery. 2,663,945, Dec. 29.
Shockproof mounting. W. E. Coykendall, Jr. 2,646,958, July 28.
Shock resisting device, Two-way rotary motion. R. W. Dunham. 2,631,690, Mar. 17.
Shock stabilizer for vehicle axles. C. M. Rider. 2,653,811, Sept. 29.
Shock strut. W. B. Westcott, Jr. 2,642,278, June 16.
Shock tester, Sine-wave. D. E. Sullivan. 2,662,392, Dec. 15.
Shock tester, Square wave. J. H. Armstrong. 2,630,704, Mar. 10.
Shock testing machine. E. W. Tschudi. 2,656,711, Oct. 27.

Shock testing machine, Variable duration. K. W. Johnson. 2,645,931, July 21.
Shock wave washer with vacuum operated squeezer extractor. H. J. Rand. 2,629,244, Feb. 24.
Shoe. J. J. Saitta. 2,634,515, Apr. 14.
Shoe. B. J. Weilbacher. 2,630,635, Mar. 10.
Shoe and heel attached thereto. J. F. Leahy and G. F. C. Burke. 2,641,852, June 16.
Shoe attachment, Plane file. J. G. Bennett. 2,663,070, Dec. 22.
Shoe back line press. A. H. Altvater. 2,656,554, Oct. 27.
Shoe, Biaxial. H. C. Stein. 2,648,144, Aug. 11.
Shoe bottom heater with links for adjusting heating-grid supports. F. R. Smith. 2,657,029, Oct. 27.
Shoe, Bowler's. J. McCord. 2,640,283, June 2.
Shoe cementing press. M. C. Suerken. 2,654,104, Oct. 6.
Shoe cleats, Making baseball. E. A. Richardson. 2,626,454, Jan. 27.
Shoe conditioning apparatus. M. Maeser and L. D. Alderman. 2,633,583, Apr. 7.
Shoe construction and making the same. D. Garofalo. 2,648,080, Aug. 11.
Shoe construction with diagonal lacing. M. D. Herceg. 2,643,469, June 30.
Shoe counter production machine. H. Garyait and D. D. Pettigrew. 2,648,853, Aug. 18.
Shoe fastener. C. B. Forrester. 2,637,087, May 5.
Shoe-feeding and positioning mechanism. A. R. Morrill. 2,630,589 Mar. 10.
Shoe, Flexible foot-hugging infant's. F. M. Cockrell. 2,630,636, Mar. 10.
Shoe for dolls, Molded plastic. J. A. Harris. 2,651,117, Sept. 8.
Shoe forming and pressing machine. M. L. and A. A. Dodge. 2,660,741, Dec. 1.
Shoe having a removable welt, Welt. L. Bazzoli. 2,658,287, Nov. 10.
Shoe heel surfacing machine. J. P. Quirk and L. G. P. Hafner. 2,653,424, Sept. 29.
Shoelace. G. C. Lester. 2,639,481, May 26.
Shoelace, Educational. E. B. Miller. 2,646,630, July 28.
Shoe last. H. G. Clausing. 2,641,783, June 16.
Shoe lasts, Manufacturing. S. Sjöström. 2,651,339, Sept. 8.
Shoe machine. F. Ashworth. 2,631,555, Mar. 17.
Shoe machine frame. A. R. Morrill. 2,643,626, June 30.
Shoemaking machine. D. P. Weber. 2,643,405, June 30.
Shoe or boot, Casing sealing. J. L. Strickler. 2,646,124, July 21.
Shoe press. F. C. Choice. 2,657,406, Nov. 3.
Shoe press. P. J. Elkes. 2,663,885, Dec. 29.
Shoe press. H. R. Polleys. 2,651,061, Sept. 8.
Shoe protector. K. M. Kemp. 2,625,752, Jan. 20.
Shoe release, Automatic ironing. J. A. Castricone. 2,658,291, Nov. 10.
Shoe rest and support, Automatic. M. McCormick. 2,639,457, May 26.
Shoe sewing machine. D. P. Hay. 2,629,353, Feb. 24.
Shoe sewing machine needle. F. C. Eastman. 2,656,804, Oct. 27.
Shoeshine stand. H. Bascom. 2,658,225, Nov. 10.
Shoe, Simulated platform. A. Tucceri. 2,629,942, Mar. 3.
Shoe sole, Laminated. J. A. Cialo. 2,644,250, July 7.
Shoe soles, Making. A. L. Murray. 2,653,111, Sept. 22.
Shoe squeak eliminator. R. B. Moore. 2,638,611, May 19.
Shoe stiffener and making same. G. E. Ehle. 2,639,240, May 19.
Shoe straightener. B. E. Walstrom. 2,634,440, Apr. 14.
Shoe support. R. A. Unger. 2,656,556, Oct. 27.
Shoe, Track. I. Shapiro. 2,660,813, Dec. 1.
Shoe tree, Lateral and longitudinal adjustable. J. T. Smithson. 2,628,375, Feb. 17.
Shoe tree, Laterally and longitudinally adjustable. W. J. Fitzpatrick. 2,634,439, Apr. 14.
Shoe upper provided with protective spray cover and forming same. C. G. Newton, Jr. 2,651,856, Sept. 15.
Shoe upper trimming machine. M. H. Roske. 2,654,105, Oct. 6.
Shoe uppers of shrinkable yarn, Producing knitted. D. V. Whiting and J. S. Runyan. 2,641,004, June 9.
Shoe vamp construction. J. Nappi. 2,641,067, June 9.
Shoe, Ventilated. F. H. Taber. 2,651,854, Sept. 15.
Shoe whitening applicator. J. M. Kaheny. 2,631,322, Mar. 17.
Shoe wiper, Automatic. W. Leadingham. 2,649,599, Aug. 25.
Shoe with backstays. F. L. Ayers. 2,635,361, Apr. 21.
Shoes with flanged insoles, Making lasted. A. E. Kleven. 2,644,179, July 7.
Shoe with insole exposable to view. J. H. Sloan and M. H. Gilkerson. 2,654,965, Oct. 13.
Shoe with heel. G. Greissinger. 2,648,916, Aug. 18.
Shoes with reinforcing counter and stitched-in sock lining, Making slip-lasted. J. Meltzer. 2,648,081, Aug. 11.
Shoes, Making. A. E. Murray. 2,663,887, Dec. 29.
Shoes, Making prewelt. H. Lipton. 2,641,006, June 9.
Shoes, Making rigidified slip-lasted. J. Meltzer. 2,660,743, Dec. 1.
Shoes, Manufacture of. A. Otsuka. 2,648,854, Aug. 18.
Shoes with counter-stiffened quarters and full-length stitched-in sock linings, Making force-lasted. J. Meltzer. 2,660,742, Dec. 1.
Shooting oil wells. R. L. Klotz, Jr. 2,630,182, Mar. 3.
Shopping establishment. E. A. Pool. 2,638,636, May 19.
Shore protection. H. A. Schmitt and W. H. Lange. 2,662,378, Dec. 15.
Short core shaft. B. E. Prevost. 2,638,282, May 12.
Short fulcrum for weighing scale levers. H. F. Rice. 2,646,318, July 21.
Short oil modified alkyd resin surface coating materials comprising a polymer of allphatic esters of alpha, beta unsaturated carboxylic acids. F. R. Spencer. 2,649,423, Aug. 18.
Short stop xanthation. A. Robertson. 2,629,714, Feb. 24.
Short-wave electric discharge tube. C. P. Klöpping. 2,663,820, Dec. 22.
Shortening measure. V. R. Parks. 2,645,127, July 14.
Shorts. E. G. Dann. 2,652,053, Sept. 15.
Shorts, Reinforced. F. H. Eudy. 2,646,572, July 28.
Shotgun barrel and choke. G. G. Oberfell. 2,658,295, Nov. 10.
Shotgun choke. W. F. Cobb. 2,656,638, Oct. 27.
Shotgun shell loading. J. E. Veum. 2,655,831, Oct. 20.
Shot hole array for eliminating horizontally traveling waves. J. P. Woods. 2,642,146, June 16.
Shot pattern control device for shotguns. W. F. Roper and F. J. Wright. 2,629,958, Mar. 3.
Shot patterning recoil compensator for firearms. K. D. Richards. 2,656,637, Oct. 27.
Shoulder bag strap keeper. F. P. Syracuse. 2,641,760, June 16.
Shoulder harness for vehicle occupants. P. W. Stumm. 2,634,802, Apr. 14.
Shoulder pad. K. L. MacManus. 2,624,885, Jan. 13.
Shoulder pad. W. Riedler and B. Mechur. 2,637,854, May 12.
Shoulder pad. W. Riedler and B. Mechur. 2,638,603, May 19.
Shoulder pad. N. Silvestri. 2,635,251, Apr. 21.
Shoulder pad and construction thereof. D. Morgenstern. 2,646,573, July 28.
Shoulder pad molding apparatus. B. Mechur and W. Riedler. 2,651,809, Sept. 15.
Shoulder pad structure. J. L. Kleinman. 2,640,993, June 9.
Shoulder pads, method and machine for making same, Garment. W. L. Jantzen. 2,627,368, Feb. 3.
Shoulder press machine. N. Sacchetti. 2,655,294, Oct. 13.
Shoulder rest, Telephone. S. E. Harmon. 2,647,171, July 28.
Shoulder shaping attachment for road working machines. W. L. Jahn. 2,646,633, July 28.
Shoulder strap and buckle assembly, Adjustable. F. Schwarz. 2,643,431, June 30.
Shoulder strap holder. D. Blair. 2,643,380, June 30.
Shoulder strap pad. L. J. Nelson. 2,637,849, May 12.
Shoulder support for telephone hand sets. A. and E. A. Samsky. 2,640,111, May 26.
Shovel and scoop attachment, Tractor mounted loading. R. C. Larsen. 2,657,481, Nov. 3.
Shovel control. E. R. Windahl. 2,648,231, Aug. 11.
Shovel digging teeth arrangement, Excavating. D. F. Przybylski. 2,629,945, Mar. 3.
Shovel for narrow underground galleries, Mechanical. P. Garnier. 2,646,901, July 28.
Shovel, Hoist. J. G. Salido. 2,644,253, July 7.
Shovel, Hydraulically operated tractor. G. Reuter. 2,628,731, Feb. 17.
Shovel mount for cultivators, Spring-controlled. E. C. Redetzke. 2,634,665, Apr. 14.
Shovelling device, Rapid. F. Chimani. 2,647,332, Aug. 4.
Showcase, Self-service refrigerated. K. A. Weber. 2,631,438, Mar. 17.
Shower attachment, Portable. R. Evans and J. L. Essary. 2,638,382, May 12.
Shower bath for invalids. G. K. Chapin. 2,641,770, June 16.
Shower bath utility. A. Z. Moss. 2,647,797, Aug. 4.
Shower cabinet. C. J. Daugherty and T. F. Anderson. 2,648,409, Aug. 11.
Shower, Collapsible. A. J. Sturwold. 2,634,425, Apr. 14.
Shower head. R. E. Bletcher and C. H. Bentley. 2,657,954, Nov. 3.
Shower head. J. P. Magos, C. U. Larson, and A. B. Nelson. 2,624,625, Jan. 6.
Shower head. O. Manning. 2,657,955, Nov. 3.
Shower head. J. A. McConnell. 2,659,627, Nov. 17.
Shower head curtain suspension adapter. C. De Scranage. 2,654,893, Oct. 13.
Shower head, Self-cleaning. G. E. Hansen. 2,660,473, Nov. 24.
Shower head with volume control. J. Fraser. 2,658,799, Nov. 10.
Shower, Portable. A. H. Tiedemann and C. Schaertl. 2,631,062, Mar. 10.
Shower stall door hinge. J. W. Backman. 2,627,327, Feb. 3.
Shredder, Coconut. A. E. Hernández and M. Pinca. 2,633,883, Apr. 7.
Shredder, Stalk. J. J. Hultema. 2,634,567, Apr. 14.
Shrimp peeling machine. H. Jagger. 2,659,930, Nov. 24.
Shrinkage method for knitted fabrics. J. Hamilton and A. A. Meder, Jr. 2,661,520, Dec. 8.
Shrinking machine. O. M. Toennies. 2,651,313, Sept. 8.
Shrinkproofing of fabrics. C. G. Hatay. 2,655,711, Oct. 20.
Shrouded impeller. V. Moore. 2,625,365, Jan. 13.

Shrouded wheel. A. Townhill and W. P. Holcombe. 2,639,886, May 26.
Shuffleboard pin. D. C. Rockola. 2,629,601, Feb. 24.
Shuffler, Card. F. H. Stevens. 2,661,215, Dec. 1.
Shuffler for playing cards. L. E. Almgren. 2,650,096, Aug. 25.
Shuffling device, Card. C. T. Skillman and M. Kistner. 2,659,607, Nov. 17.
Shutdown seal system for centrifugal compressors, Automatic. M. Haeberlein. 2,631,050, Mar. 10.
Shutoff device, Automatic. T. E. Parrish. 2,625,169, Jan. 13.
Shutoff device for oil and gas wells, Safety. L. C. Clair. 2,655,934, Oct. 20.
Shut-off for printing presses, Automatic. J. F. Banthin. 2,626,563, Jan. 27.
Shutoff for tank filling, Automatic. T. O. Cox, H. C. Rankin, and S. A. Trott. 2,646,817, July 28.
Shutoff valve. A. G. Bergstrom. 2,631,613, Mar. 17.
Shutoff valve. J. Troendle. 2,637,338, May 5.
Shutter and diaphragm mechanism for cameras, Combined. M. N. Fairbank. 2,662,457, Dec. 15.
Shutter blind slat holder. A. J. Olson. 2,630,169, Mar. 3.
Shutter construction and operator. R. A. Davis. 2,645,828, July 21.
Shutter for cameras, Blade and cover blind. F. Perlin. 2,633,065, Mar. 31.
Shutter for dual projection apparatus, Dissolve type. A. E. Krows. 2,655,833, Oct. 20.
Shutter-governor assembly for motion-picture apparatus. O. Wittel. 2,651,965, Sept. 15.
Shutter, High-speed. C. C. Fuerst. 2,663,235, Dec. 22.
Shutter opening device for focusing. C. C. Fuerst. 2,625,088, Jan. 13.
Shutterless recording oscillographic camera. F. P. Warrick. 2,629,646, Feb. 24.
Shutting-down catalytic apparatus employed for the conversion of hydrocarbons. E. J. Gohr, H. Z. Martin, C. E. Jahnig, C. W. Tyson, and J. M. Graham. 2,655,466, Oct. 13.
Shuttle. C. S. Cole. 2,630,837, Mar. 10.
Shuttle. A. Cross. 2,629,406, Feb. 24.
Shuttle binder. V. J. Phillips and H. H. Brown. 2,637,350, May 5.
Shuttle box front for looms. W. E. Burcham. 2,626,636, Jan. 27.
Shuttle-box motion for looms. A. Auty. 2,631,616, Mar. 17.
Shuttlecock. W. C. Carlton. 2,626,806, Jan. 27.
Shuttlecock. W. C. Carlton. 2,632,647, Mar. 24.
Shuttlecock and making. W. C. Carlton. 2,626,805, Jan. 27.
Shuttlecock, Molded. W. C. Carlton. 2,626,807, Jan. 27.
Shuttle ejector. G. Cadorette. 2,658,531, Nov. 10.
Shuttle eye assembly. R. J. Carrigan. 2,663,327, Dec. 22.
Shuttle feeler with weft cutter for replenishment looms. V. Divišek. 2,661,027, Dec. 1.
Shuttle filling guide and tensioning device. P. E. Dean. 2,625,960, Jan. 20.
Shuttle-guiding means, Magnetic. B. B. Purdy. 2,647,542, Aug. 4.
Shuttle holding means. K. Schwabe. 2,656,858, Oct. 27.
Shuttle loom with electrical control devices, Multiple. J. Stuer. 2,634,765, Apr. 14.
Shuttle valve. B. N. Ashton, J. P. Frain, and E. S. Rawding. 2,651,491, Sept. 8.
Shuttle valve. K. H. Pech. 2,654,564, Oct. 6.
Sickle guard. E. L. Mills and D. A. Donahue. 2,654,987, Oct. 13.
Sickle mower, Power. J. M. Michaelson. 2,631,422, Mar. 17.
Sickle shoe and diverter. C. Van Ausdall. 2,633,690, Apr. 7.
Side bar cylinder lock. R. C. Spain. 2,660,876, Dec. 1.
Side bar for posting trays, Adjustable. O. F. Edeborg. 2,625,162, Jan. 13.
Side bars for mill wagons, Pivoted. H. A. Sammis. 2,644,715, July 7.
Side bearing. E. H. Blattner. 2,636,789, Apr. 28.
Side break disconnecting switch. H. R. Harrison. 2,660,631, Nov. 24.
Sidecar for motorcycles. N. Straussler. 2,646,992, July 28.
Side delivery hayrake. H. W. Hester. 2,660,022, Nov. 24.
Side dressing attachment. R. A. Shaw. 2,626,579, Jan. 27.
Side extension for cribs and the like. J. L. Moss. 2,625,694, Jan. 20.
Side heater. H. C. Kremers. 2,650,254, Aug. 25.
Side mount pillow block bearing. R. L. Whiteley and H. B. Hostetler. 2,638,389, May 12.
Side outlet for above-ground irrigation pipes. H. E. Stearns. 2,647,539, Aug. 4.
Side plate press. T. F. Stacy. 2,624,272, Jan. 6.
Side registration control device for moving webs. S. E. Frisbie, W. O. Smiley, and J. C. Frommer. 2,654,599, Oct. 6.
Side shift for crate lifting attachment. A. V. Blatz. 2,650,733, Sept. 1.
Side slipping weft detector. H. A. Whitin. 2,629,407, Feb. 24.
Sidewall actuated tire pump. W. A. Gibbons and T. J. Rhodes. 2,626,650, Jan. 27.
Side wall sampling device. M. E. True. 2,626,777, Jan. 27.
Siding structure. O. Wahlfeld. 2,648,103, Aug. 11.
Sieve hold-down mechanism for sifters and similar machines. E. C. Schroeder and J. E. Baker. 2,635,751, Apr. 21.
Sifter and measuring device. E. Larson. 2,633,988, Apr. 7.
Sifter cap device for dispensing containers. S. Morrison. 2,663,468, Dec. 22.
Sifter, Flour. T. F. Humphreys. 2,644,581, July 7.
Sifter, Flour. L. E. Winn. 2,642,992, June 23.
Sifter, Flour. I. E. Wright. 2,648,436, Aug. 11.
Sifter vibrated by electric motor having an unbalanced shaft, Flour. D. L. Dunn. 2,664,201, Dec. 29.
Sifting and straining device. J. Pearlstein. 2,639,035, May 19.
Sight for twilight firing of small arms, Auxiliary. C. E. West. 2,628,426, Feb 17.
Sight string. W. L. Willis. 2,637,109, May 5.
Sign: *See*—
Advertising sign.
Changeable display sign.
Curb type reflectorized street sign.
Danger sign.
Display sign.
Flashing illuminated sign.
Illuminated sign.
Interchangeable letter sign.
Luminous sign.
Radio frequency display sign.
Retractable traffic sign.
Writing sign.
Sign. J. L. Andersson. 2,647,335, Aug. 4.
Sign. W. L. Ernst. 2,645,868, July 21.
Sign. W. J. Stevenson. 2,631,392, Mar. 17.
Sign. C. Walton. 2,637,925, May 12.
Sign and light unit, Combined. R. E. Johnson. 2,627,684, Feb. 10.
Sign and making the same, Display. F. E. Tuttle. 2,651,866, Sept. 15.
Sign character holder. O. J. Ernst, Jr. 2,630,644, Mar. 10.
Sign construction. J. A. Howenstine. 2,651,864, Sept. 15.
Sign construction, Display. M. La Barbara. 2,652,651, Sept. 22.
Sign device. H. W. Fuerst. 2,663,959, Dec. 29.
Sign for displaying house numbers. B. W. Suckle. 2,636,300, Apr. 28.
Sign holding device. T. P. McColl. 2,625,762, Jan. 20.
Sign or display device for upwardly acting doors. W. B. Rosenbaum. 2,645,039, July 14.
Sign structure. J. A. Howenstine. 2,651,863, Sept. 15.
Sign structure. J. A. Howenstine. 2,651,865, Sept. 15.
Sign structure. T. J. La Fontaine. 2,655,749, Oct. 20.
Sign structure. H. R. Owen and R. Brown. 2,648,925, Aug. 18.
Sign structure, Illuminated. C. F. Martin. 2,624,141, Jan. 6.
Sign structure with hinged face. J. A. Howenstine. 2,626,473, Jan. 27.
Signal: *See*—
Aircraft distress signal.
Automatic traffic signal.
Automobile passing signal.
Bobbin signal.
Curb signal.
Electrical terminal detecting signal.
Fishing signal.
Flat tire signal.
Gasoline can signal.
Intermittently actuated portable signal.
Low-pressure alarm signal.
Road traffic signal.
Rotary shaft controlled motor vehicle traffic signal.
Rural mailbox signal.
Traffic control signal.
Traffic signal.
Traffic warning and directing signal.
Traffic warning signal.
Turn signal.
Vehicle direction signal.
Warning signal.
Signal actuated tuner control. J. H. Guyton. 2,653,225, Sept. 22.
Signal and cutout for use in dynamo-battery systems. A. V. Waters. 2,659,855, Nov. 17.
Signal and detachable securing means for fishing rods, Audible. S. E. Oster. 2,641,079, June 9.
Signal apparatus, Audible. J. Dolim. 2,659,071, Nov. 10.
Signal apparatus for motor vehicles, Safety. C. Ringwald. 2,654,079, Sept. 29.
Signal apparatus, Moving. F. R. Garduño. 2,646,766, July 28.
Signal attachment for motor vehicle backing lights, Audible. H. E. Powell. 2,632,154, Mar. 17.
Signal attenuator, Automatic. T. F. S. Hargreaves and W. F. Gould. 2,651,684, Sept. 8.
Signal balloon. C. H. Chetlan. 2,646,019, July 21.
Signal communication, Method and apparatus for. R. Adler. 2,649,503, Aug. 18.
Signal control, Automobile directional. M. Corpora. 2,644,149, June 30.
Signal control system. J. N. Paul. 2,657,375, Oct. 27.
Signal control system, Electrical. L. Boddy. 2,625,595, Jan. 13.
Signal control system embodying polar biased code following and polarized line relays, Four-indication. T. W. Tizzard, Jr. 2,638,536, May 12.
Signal control system, Highway crossing. O. W. Rost. 2,654,023, Sept. 29.
Signal control systems, Highway crossing. J. E. McMahon, Jr. 2,632,099, Mar. 17.
Signal converter. H. E. Goldstine. 2,629,775, Feb. 24.

Signal delay device. E. W. Holman. 2,626,992, Jan. 27.
Signal delay device, Electrical. W. M. Allison. 2,659,869, Nov. 17.
Signal detector, Integrating telegraph. P. E. Volz. 2,632,053, Mar. 17.
Signal deviation warning system. J. E. Tillman. 2,656,527, Oct. 20.
Signal device associated with windshield. P. J. Pieczonka. 2,650,355, Aug. 25.
Signal device, Automobile. J. C. Graveno. 2,650,963, Sept. 1.
Signal device, Flat tire. J. R. Bradford, Jr. 2,640,119, May 26.
Signal device for filters. H. E. Marvel. 2,638,581, May 12.
Signal device for indicating the location of submerged objects. C. H. Savary. 2,636,193, Apr. 28.
Signal device for motor vehicles. T. D. Pellegrino. 2,643,309, June 23.
Signal device, Hunting dog. H. W. Kobert. 2,652,649, Sept. 22.
Signal device, Line fault. T. E. Gardner. 2,651,030, Sept. 1.
Signal device, Moving traffic. J. E. Swanger. 2,632,153, Mar. 17.
Signal discriminating system. W. Todd. 2,632,100, Mar. 17.
Signal discriminator. F. A. Gaynor and C. G. Yates, Jr. 2,625,662, Jan. 13.
Signal display system, Pulse-echo. I. Stokes and L. P. Brooks. 2,640,983, June 2.
Signal distribution system, Electric. E. D. Goodale. 2,664,546, Dec. 29.
Signal distribution system, Electrical. E. A. Newman, D. W. Davies, and R. F. Braybrook. 2,645,714, July 14.
Signal flare and marker buoy, Automatic. M. Sesera. 2,639,106, May 19.
Signal flare composition. J. Vinton. 2,628,897, Feb. 17.
Signal for automatic vehicle overdrive. W. Pilgram, Jr. 2,633,563, Mar. 31.
Signal for automobiles, Automatic fluid level. H. Berger. 2,661,411, Dec. 1.
Signal for electric ranges, Operating. H. R. Kinsella. 2,659,069, Nov. 10.
Signal for field telephone sets, Audible. W. Kalin and J. R. Power. 2,658,194, Nov. 3.
Signal for fishing pole holders, Illuminated. M. Gollas. 2,645,050, July 14.
Signal for grain boxes of threshers and combines. G. J. Herigstad. 2,627,244, Feb. 3.
Signal for lifting apparatus. R. H. Williams. 2,663,865, Dec. 22.
Signal for telegraph systems, Release. R. M. M. Oberman. 2,652,446, Sept. 15.
Signal for trackless trolley coaches, Electric. S. S. Stolp. 2,658,191, Nov. 3.
Signal for vehicles. F. J. Markle. 2,655,643, Oct. 13.
Signal for vehicles, Road actuated safety. E. H. Austin. 2,654,876, Oct. 6.
Signal from an A. C. actuated differential transformer. D. C. millivoltage. W. D. Macgeorge. 2,640,971, June 2.
Signal generating device. S. Doba, Jr., and J. W. Rieke. 2,660,676, Nov. 24.
Signal generation apparatus. C. L. Ellis and R. W. Elsner. 2,660,615, Nov. 24.
Signal level indicator. J. S. Harris. 2,658,167, Nov. 3.
Signal means for percolators and similar appliances. R. Zide. 2,630,112, Mar. 3.
Signal modulator, Electric. R. F. Cleaver and T. D. Gray. 2,640,973, June 2.
Signal-operated variable-gain amplifying system. L. H. Appleman. 2,626,322, Jan. 20.
Signal processing apparatus. J. P. Eckert, Jr. and J. W. Mauchly. 2,655,598, Oct. 13.
Signal receiver circuit. W. Brandt. 2,657,308, Oct. 27.
Signal receiver for discriminating signals. L. A. B. Cabes. 2,633,557, Mar. 31.
Signal reflector for automotive vehicles and the like. E. F. Bacon. 2,649,029, Aug. 18.
Signal reflector for vehicles, Safety. L. M. Wilford. 2,645,977, July 21.
Signal responsive device. J. P. Eckert, Jr. and J. W. Mauchly. 2,646,501, July 21.
Signal responsive driving or follow-up device. K. Ezr. 2,659,847, Nov. 17.
Signal-sampling device, Electron discharge. C. J. Hirsch. 2,640,925, June 2.
Signal seeking receiver. H. C. Goodrich, Jr. 2,639,373, May 19.
Signal seeking tuner. O. E. Colgan. 2,639,372, May 19.
Signal seeking tuner. J. H. Guyton. 2,652,486, Sept. 15.
Signal seeking tuner. J. H. Guyton. 2,652,494, Sept. 15.
Signal system, Directional. J. R. Hollins. 2,652,553, Sept. 15.
Signal system for motorcars, Automatic. R. S. Coombs. Re. 23,719, Oct. 6.
Signal system for vehicles, Directional. G. A. Du Rocher. 2,659,838, Nov. 17.
Signal transducer, Electroacoustical. R. K. Duncan. 2,647,162, July 28.
Signal transducer with distortion compensating amplifier. N. B. Saunders. 2,624,796, Jan. 6.
Signal translating device, Semiconductor. S. Darlington. 2,663,806, Dec. 22.
Signal translating device, Semiconductor. J. J. Ebers. 2,655,610, Oct. 13.
Signal translating device, Semiconductor. B. M. Oliver. 2,663,830, Dec. 22.
Signal translating device, Semiconductor. W. Shockley. 2,654,059, Sept. 29.
Signal translating system, Electrical. D. D. Grieg, A. M. Levine, and C. L. Estes. 2,659,049, Nov. 10.
Signal translation system. P. R. Aigrain. 2,660,618, Nov. 24.
Signal transmission. W. Koenig, Jr. 2,632,057, Mar. 17.
Signal transmission, Multiplexed. A. V. Bedford and G. C. Sziklai. 2,664,462, Dec. 29.
Signal transmission system. W. Koenig, Jr. 2,629,779, Feb. 24.
Signal transmission system for use in logging drill hole formations. J. J. Arps. 2,658,725, Nov. 10.
Signaling apparatus, Automatically operated. R. L. Freas. 2,636,121, Apr. 21.
Signaling apparatus, Emergency. J. M. Lloyd and W. M. Williamson. 2,628,307, Feb. 10.
Signaling device, Deceleration. S. E. Manecke. 2,655,892, Oct. 20.
Signaling device, Electric. P. Walcher. 2,634,409, Apr. 7.
Signaling device for looms and the like. G. F. League. 2,647,486, Aug. 4.
Signaling device for motor vehicles. S. L. Mobley. 2,655,123, Oct. 13.
Signaling device for typewriters, Page end. H. A. Ault. 2,641,350, June 9.
Signaling device for vacuum milking machines. H. W. Hein. 2,660,976, Dec. 1.
Signaling device, Highway. M. A. Thompson. 2,664,065, Dec. 29.
Signaling device, Motor vehicle key. S. Sweet. 2,634,400, Apr. 7.
Signaling device, Vehicle. F. Liotta. 2,635,227, Apr. 14.
Signaling device, Vibratory reed. W. J. Muldoon. 2,634,378, Apr. 7.
Signaling mechanism, Pinfail. M. Patterson. 2,646,984, July 28.
Signaling station, Radiant energy. M. B. McDavitt. 2,649,541, Aug. 18.
Signaling switch device. E. E. Anderson. 2,624,808, Jan. 6.
Signaling system and device for aircraft operation. R. L. Holcombe. 2,657,476, Nov. 3.
Signaling system based on orthogonal functions. C. A. Lovell. 2,658,189, Nov. 3.
Signaling system, Coded impulse responsive secret. E. E. Turner, Jr. 2,648,060, Aug. 4.
Signaling system, Coded track circuit. J. Y. Howard. 2,662,971, Dec. 15.
Signaling system, Coded track circuit. J. D. Hughson. 2,635,181, Apr. 14.
Signaling system, Coded track circuit. W. H. Reichard. 2,650,295, Aug. 25.
Signaling system, Electric. R. H. Dunn. 2,649,580, Aug. 18.
Signaling system, Electric. G. C. Hartley. 2,651,679, Sept. 8.
Signaling system, Electric pulse. L. I. Farren, N. E. Head, and M. M. Levy. 2,662,979, Dec. 15.
Signaling system, Electrical. A. Davison and R. Threadgold. 2,658,112, Nov. 3.
Signaling system, Electrical. J. F. Mackenzie and T. Horrocks. 2,647,253, July 28.
Signaling system, Electrical pulse code. M. M. Levy. 2,641,740, June 9.
Signaling system for indicating inefficient vacuum conditions in automotive engines. G. J. Worel. 2,661,713, Dec. 8.
Signaling system for railroads, Coded track circuit. T. J. Judge. 2,635,180, Apr. 14.
Signaling system for special railway vehicles, Supplemental. W. V. Grosjean. 2,630,524, Mar. 3.
Signal system for traffic lights, Electrical. A. R. Finn and L. Rostoker. 2,644,147, June 30.
Signaling system having code and conference call, Party line selective. C. E. Lomax. 2,658,110, Nov. 3.
Signaling system, Interference reducing pulse echo. H. O. Anger. 2,635,231, Apr. 14.
Signaling system, Multichannel. M. M. Levy and D. C. Espley. 2,627,553, Feb. 3.
Signaling system, Multichannel pulse. M. M. Levy. 2,642,497, June 16.
Signaling system, Radiant energy. R. W. Carter, M. G. Currier, W. G. Emig, and K. V. Glentzer. 2,640,193, May 26.
Signaling system, Railway. G. D. Hanchett, Jr. 2,655,594, Oct. 13.
Signaling system, Railway. J. E. Willing and G. O. Ferm. 2,654,831, Oct. 6.
Signaling system, Selective. E. Vroom. 2,648,831, Aug. 11.
Signaling system, Subscriber. R. O. Gray and E. M. Roschke. 2,656,408, Oct. 20.
Signaling system, Subscriber. R. H. Herrick and E. M. Roschke. 2,656,407, Oct. 20.
Signaling system, Subscriber. R. H. Herrick and E. M. Roschke. 2,656,410, Oct. 20.

Signaling system, Subscriber. G. V. Morris and B. J. Miller. 2,656,409, Oct. 20.
Signaling system, Television subscriber. G. V. Morris and B. J. Miller. 2,656,411, Oct. 20.
Signaling system, Variable resistance. K. O. I. Styrén and H. Jefferson. 2,661,395, Dec. 1.
Signaling system, Voice-frequency code. M. den Hertog. 2,647,164, July 28.
Signature gathering machine. R. E. Ackley. 2,636,728, Apr. 28.
Silage distributor. W. W. Philipp. 2,630,906, Mar. 10.
Silalactones, Production of. L. H. Sommer. 2,635,109, Apr. 14.
Silanes and siloxanes containing t-alkoxy radicals and polymers plasticized and stabilized therewith. M. J. Hunter. 2,645,624, July 14.
Silencer for internal-combustion engines. F. Trembley. 2,658,580, Nov. 10.
Silencer for outside installation. J. P. Tyskewicz. 2,655,220, Oct. 13.
Silencer or muffler. F. E. Deremer. 2,661,073, Dec. 1.
Silencer with a buffer chamber, Baffle type. E. R. Dearing. 2,642,147, June 16.
Silencer with a resonance chamber. G. M. Walton and R. E. Brown. 2,652,899, Sept. 22.
Silencer with low back pressure. R. B. Bourne and J. P. Tyskewicz. 2,660,257, Nov. 24.
Silencer with plural expansion chambers and outlet conduits. R. B. Bourne. 2,644,542, July 7.
Silent chain. T. F. MacArthur. 2,653,485, Sept. 29.
Silent dictation mask. H. L. Webb. 2,625,615, Jan. 13.
Silent valve. A. R. Stephany. 2,664,261, Dec. 29.
Silica filled materials, Manufacture of. J. H. Wills and J. F. Hazel. 2,649,388, Aug. 18.
Silica flatting agent and manufacturing it. L. O. Young. 2,625,492, Jan. 13.
Silica gel spheres in oil, Producing. J. L. Gring. 2,641,583, June 9.
Silica, Manufacture of. J. Hoekstra. 2,645,619, July 14.
Silica sol process. R. K. Iler and F. J. Wolter. 2,631,134, Mar. 10.
Silicate adsorbent, Production of. R. J. Hawes and C. C. Winding. 2,650,202, Aug. 25.
Silicate adsorbents, Preparation of. R. J. Hawes and C. C. Winding. 2,650,203, Aug. 25.
Silicate-coated papers, Manufacture of. W. Stericker. 2,647,069, July 28.
Siliceous catalyst beads containing free magnesia, Preparation of. T. H. Milliken, Jr. 2,631,983, Mar. 17.
Silicon-alloyed corrosion-resistant metal powders and related products and processes. G. Stern, S. J. Sindeband, and J. P. Scanlan. 2,657,128, Oct. 27.
Silicon carbide articles and making same, Bonded. K. C. Nicholson. 2,637,091, May 5.
Silicon carbide refractory. K. C. Nicholson. 2,636,826, Apr. 28.
Silicon-containing alkyd resins. D. B. Hatcher and R. H. Bunnell. 2,624,720, Jan. 6.
Silicon-containing heteropolymers, Preparation of. R. H. Bunnell. 2,632,755, Mar. 24.
Silicon-germanium objective lens. R. G. Treuting. 2,659,271, Nov. 17.
Silicon halides containing fluorocarbon radicals. J. H. Simons and R. D. Dunlap. 2,651,651, Sept. 8.
Silicon lacquers, Production of. S. Nitzsche. 2,647,880, Aug. 4.
Silicon nitride abrasives. H. de W. Erasmus and W. D. Forgeng. 2,628,896, Feb. 17
Silicon nitride-bonded refractory oxide bodies and making. K. C. Nicholson. 2,636,828, Apr. 28.
Silicone-impregnated surfaces suitable for ironing. T. J. Rasmussen. 2,635,040, Apr. 14.
Silicone rubber ironing pad. L. N. Polk and J. H. Coulliette. 2,639,519, May 26.
Silo charging and emptying machine. J. Dickson. 2,649,215, Aug. 18
Silo construction. G. V. Gladville. 2,648,217, Aug. 11.
Silo, Self-feeder. D. W. Ruedemann. 2,638,871, May 19.
Silo unloader. W. R. Peterson. 2,651,438, Sept. 8.
Siloxane-aluminum compositions and preparing them. J. F. Hyde. 2,645,654, July 14.
Siloxane boundary lubricants. C. C. Currie. 2,642,395, June 16.
Siloxane cements, Waterproof. P. J. Chevalier. 2,635,084, Apr. 14.
Siloxane compositions and making same. J. E. Dereich. 2,637,719, May 5.
Siloxane resins. M. J. Hunter and E. J. Smith. 2,652,385, Sept. 15.
Siloxane silica composition. A. J. Barry. 2,645,588, July 14.
Siloxane structural foams. K. R. Hoffman. 2,655,485, Oct. 13.
Silver dye bleachout taking and printing film, High-speed. J. A. Sprung. 2,635,960, Apr. 21.
Silver formate, Making. J. P. Fugassi and G. A. Cowan. 2,630,444, Mar. 3.
Silver-halide dispersions, Preparing. W. G. Lowe, L. M. Minsk, and W. O. Kenyon. 2,632,704, Mar. 24.
Silver halide emulsions containing nondiffusing azo dyes. J. A. Sprung. 2,629,658, Feb. 24.
Silver recovering and collecting device. H. G. Lieberman. 2,643,108, June 23.
Silyl aromatic compounds. F. H. Winslow. 2,642,415, June 16.
Simplified trigger for loose-leaf binders. S. Segal. 2,645,227, July 14.
Simulated golf club beverage and cup container. E. Merahn. 2,639,804, May 26.
Simulated motor. N. J. Portiance. 2,660,973, Dec. 1.
Simulated radio signal apparatus. R. C. Dehmel. 2,660,720, Nov. 24.
Simultaneous control system for a plurality of picture signal characteristics. N. H. Young, Jr. 2,660,613, Nov. 24.
Simultaneous drumming and vacuum treating of skins. C. F. Rutherford, S. C. Tease, and H. L. Troxell, Jr. 2,662,805, Dec. 15.
Simultaneously stabilizing and applying a vat dye to textile material comprising regenerated cellulose. L. L. Walmsley and R. E. Smith. 2,628,151, Feb. 10.
Sine bar. A. H. Sheriff. 2,638,677, May 19.
Sine-bar construction. W. Muench. 2,635,346, Apr. 21.
Sine bar fixture. P. J. Sirko. 2,649,785, Aug. 25.
Single-action spinning reel. O. R. Maxson. 2,625,341, Jan. 13.
Single blank carton with display card cover. H. J. Rossi and A. J. Weiss. 2,649,195, Aug. 18.
Single carrier transmission of sound and video signals. J. E. Robinson. 2,647,944, Aug. 4.
Single dose cavity dispenser. W. C. Mende. 2,630,804, Mar. 10.
Single-edge blade dispenser. E. A. Nelson. 2,653,704, Sept. 29.
Single handle thermostatic mixing valve. E. G. Schmidt and C. R. Stone. 2,657,860, Nov. 3.
Single-leaf spring clamp. R. B. Burton. 2,643,111, June 23.
Single motor transit concrete mixer. C. L. Willard. 2,661,935, Dec. 8.
Single phase capacitor motor. L. W. Buchanan. 2,640,956, June 2.
Single-phase induction regulator. L. G. Tubbs. 2,637,016, Apr. 28.
Single point ignition. E. Witzel. 2,645,280, July 14.
Single powder developers containing stabilized alkali hydroxides. A. A. Rasch, R. W. Henn, and J. I. Crabtree. 2,649,376, Aug. 18.
Single reed cell block. C. De Gasero. 2,662,440, Dec. 15.
Single side band jamming system. J. F. Byrne. 2,658,992, Nov. 10.
Single tissue cell culturing procedure. W. R. Earle and K. K. Sanford. 2,658,021, Nov. 3.
Single trigger mechanism for double-barreled shotguns. N. Defourny. 2,632,972, Mar. 31.
Sink and dishwasher, Combination. W. S. Spitzer. 2,632,452, Mar. 24.
Sink and drainboard assembly. A. H. Galley. 2,646,575, July 28.
Sink dish protector. A. M. Gerue and V. T. Lockard. 2,635,252, Apr. 21.
Sink dividing partition, Removable. L. G. Johnson and C. S. Johnson. 2,651,784, Sept. 15.
Sink for campers' use, Portable. P. J. Miller. 2,663,392, Dec. 22.
Sink mounting. H. D. Drain. 2,627,609, Feb. 10.
Sink mounting. H. D. Drain. 2,628,365, Feb. 17.
Sink top combination, Sloping. B. W. Schwindt. 2,630,580, Mar. 10.
Sinker and method of loop transferring. E. St. Pierre. 2,626,512, Jan. 27.
Sinker for fishing lines, Retrieving. L. R. Parker. 2,630,650, Mar. 10.
Sintering apparatus. R. F. Leftwich. 2,646,980, July 28.
Sintering machine. M. L. Cover. 2,647,615, Aug. 4.
Sinus and facial mask. M. A. Fogel and I. Rubin. 2,626,343, Jan. 20.
Siphon box. S. A. Wilson. 2,625,175, Jan. 13.
Siphon retainer. W. Ebbs and J. L. Harden. 2,652,849, Sept. 22.
Siphonless trap. J. D. Langdon. 2,630,874, Mar. 10.
Siren. R. A. Gougeon. 2,634,701, Apr. 14.
Sirup pump. M. E. Steczynski, W. W. Biederstadt, and E. V. Rupp. 2,657,833, Nov. 3.
Sirup pump. J. J. Yuza. 2,639,063, May 19.
Sisal fiber and wax, Producing. P. F. Bruins. 2,649,624, Aug. 25.
Sitting furniture of the knockdown type. F. Ohlsson. 2,650,656-7, Sept. 1.
6-chloro-O-cresol, Production of. J. W. Zemba. 2,659,759, Nov. 17.
6-haloaryl-3-pyridazones. E. A. Steck. 2,624,730, Jan. 6.
6-phenoxymethylpteridines. D. I. Weisblat and B. J. Magerlein. 2,656,356, Oct. 20.
6-thia-5,6,7,8-tetrahydro-4-quinazolinol derivatives substituted in the 2-position. K. Rorig. 2,635,101, Apr. 14.
16-keto-17-hydroxy steroids, Production of. M. N. Huffman. 2,661,357, Dec. 1.
16-ketosteroids, Preparing. M. N. Huffman. 2,636,043, Apr. 21.
Size control for cathode-ray tube deflection circuits. R. K. Lockhart. 2,657,332, Oct. 27.
Size control of linear bodies. L. C. Argyle. 2,659,182, Nov. 17.
Size grading device. O. B. Hartrampf. 2,637,442, May 5.
Sizing agents. W. S. Wilson and A. H. Bump 2,628,918, Feb. 17.

Sizing apparatus. W. O. Kinnebrew. 2,630,224, Mar. 3.
Sizing apparatus. F. B. Roberts. 2,645,342, July 14.
Sizing machine. M. F. May. 2,660,076, Nov. 24.
Sizing medium and film sized therewith. R. P. Wymbs. 2,658,835, Nov. 10.
Sizing nylon shapes. R. E. James, Jr., and R. B. Koch. 2,661,499, Dec. 8.
Sizing of ethylene polymer structures. T. F. Banigan. 2,653,113, Sept. 22.
Skate attachment, Roller. J. G. Daniska. 2,631,861, Mar. 17.
Skate guard, Rubber based metallic. D. F. Condon. 2,642,291, June 16.
Skate having detachable roller assembly, Roller. E. Van Horn. 2,664,295, Dec. 29.
Skate holder. W. E. Fleming. 2,655,774, Oct. 20.
Skate, Roller. E. Kahlert. 2,644,692, July 7.
Skate, Roller. A. Wintercorn. 2,632,652, Mar. 24.
Skate, Roller. F. M. Wiseley. 2,633,364, Mar. 31.
Skate sharpening device. S. J. Baron. 2,635,397, Apr. 21.
Skate with quickly exchangeable trucks, Rink roller. H. Kleinman. 2,664,294, Dec. 29.
Skate with removable truck assembly, Roller. G. K. Ware. 2,653,821, Sept. 29.
Skating device, Animated. M. Richter. 2,645,879–80, July 21.
Skein winding and banding machine. N. McIntyre. 2,627,151, Feb. 3.
Sketching apparatus. T. W. Garriss. 2,641,840, June 16.
Skewed stator construction. F. J. Johns and A. Jokl. 2,650,316, Aug. 25.
Skewer. J. C. Brown. 2,651,251, Sept. 8.
Ski attachment. E. H. Staff. 2,625,405, Jan. 13.
Ski binding. W. H. Hargis, Jr. 2,643,888, June 30.
Ski binding. H. Jansen. 2,658,767, Nov. 10.
Ski binding. V. V. Kutschera. 2,655,386, Oct. 13.
Ski-fastening device. A. Attenhofer. 2,661,957, Dec. 8.
Ski, Flexible. B. P. Coulson, Jr. 2,661,219, Dec. 1.
Ski, Laminated. E. W. Grabowski. 2,648,543, Aug. 11.
Ski, Laminated. E. Tribelhorn. 2,634,136, Apr. 7.
Ski pole. R. F. Wheeler, J. K. Preston, and J. K. West. 2,627,420, Feb. 3.
Ski pole and grip therefor. R. F. Wheeler. 2,627,421, Feb. 3.
Ski pole ring. F. Ronne. 2,643,889, June 30.
Ski, Power-driven. S. Van Voorhees. 2,625,229, Jan. 13.
Ski practice board. J. E. Denham. 2,657,055, Oct. 27.
Ski tow. H. F. Swenson. 2,646,005, July 21.
Skid arrangement for haulaway vehicles. P. J. Pressler. 2,654,492, Oct. 6.
Skid chain. M. Vecchioni. 2,633,888, Apr. 7.
Skid device for unloading trucks. J. Hendrix. 2,662,613, Dec. 15.
Skid for portable buildings. H. V. Snyder. 2,646,285, July 21.
Skid lift. R. Aberle. 2,639,150, May 19.
Skid preventer for automobiles. A. Psarris. 2,647,779, Aug. 4.
Skid rail structure for forge furnaces. J. D. Nesbitt. 2,652,240, Sept. 15.
Skin burning treatment. F. S. Stout. 2,640,343, June 2.
Skinning machine. F. J. Coad. 2,642,619, June 23.
Skinning machine for flat pork cuts. R. T. Townsend. 2,659,402, Nov. 17.
Skinning mechanism, Sausage. V. A. Grey. 2,630,598, Mar. 10.
Skip. A. Finlay and J. W. Clark. 2,640,983, Aug. 25.
Skip-numbering mechanism for printing presses or the like. N. Katz. 2,652,772, Sept. 22.
Skip welding control. S. M. Spice, W. F. Williams, Jr., and W. E. Moehring. 2,635,165, Apr. 14.
Skipping bar. C. A. Hull. 2,655,376, Oct. 13.
Skirt and trousers hanger. F. J. Urban. 2,644,621, July 7.
Skirt construction, Adjustable. E. E. and J. E. Gillespie. 2,636,180, Apr. 28.
Skirt hanger. J. Ambrosino. 2,656,078, Oct. 20.
Skirt hoop. T. E. and A. R. Summers. 2,635,249, Apr. 21.
Skirt, Maternity. M. G. Doll. 2,661,468, Dec. 8.
Skirt, Maternity. G. R. Gilbertson. 2,661,477, Dec. 8.
Skirt, Pleated. M. B. Terry. 2,646,571, July 28.
Skirt straightener. S. G. Evans. 2,632,617, Mar. 24.
Skiving machine. M. H. Roske. 2,651,933, Sept. 15.
Skiving tool holding means for automatic screw machines. J. R. Smith. 2,625,068, Jan. 13.
Skull crusher. L. Te Desco. 2,646,225, July 21.
Slack adjuster. J. Robinson. 2,642,963, June 23.
Slack adjuster, Automatic. G. B. Dorey. 2,646,139, July 21.
Slack adjuster, Automatic. J. F. Shumaker. 2,649,170, Aug. 18.
Slack adjuster, Brake. G. B. Dorey. 2,646,137–8, July 21.
Slack adjuster for air brakes, Automatically operable. G. B. Dorey. 2,646,140, July 21.
Slack adjuster for conveyers. A. Shacikoski. 2,628,707, Feb. 17.
Slack adjusting device for air brakes. J. J. Daly. 2,654,447, Oct. 6.
Slack adjusting mechanism. K. B. MacDougall. 2,631,472, Mar. 17.
Slack stabilizer. E. W. Peters. 2,656,939, Oct. 27.
Slack takeup apparatus. E. W. Ertner. 2,648,504, Aug. 11.
Slag removal. R. A. Fausnaught. 2,664,284, Dec. 29.
Slasher roll. A. L. Freedlander. 2,656,582, Oct. 27.
Slasher roll. J. Rockoff. 2,643,436, June 30.
Slat-belt tightener for cotton-picking machines, Automatic. J. D. Rust. 2,635,736, Apr. 21.
Slat tilting mechanism for Venetian blinds. H. Nelson. 2,659,431, Nov. 17.
Slate, Magic. H. S. Chase. 2,663,095, Dec. 22.
Slate splitting machine. E. T. Lake. 2,626,597, Jan. 27.
Sled, Football training. A. R. Young and J. D. Isola. 2,653,816, Sept. 29.
Sled for ditchers, Stabilizing. E. V. Briscoe. 2,662,614, Dec. 15.
Sled, Ski. G. F. Lantry. 2,637,565, May 5.
Sleeper of reinforced concrete with rail fastening bolts, Railway. R. Sonneville. 2,656,115, Oct. 20.
Sleeping bag. W. Peters and W. Drummond. 2,637,048, May 5.
Sleeping bag and tent, Combined. B. L. Kreuzer. 2,656,844, Oct. 27.
Sleeping bag for babies. F. E. McGann, Jr. 2,642,865, June 23.
Sleeping bag made of paper. J. W. Nicholson. 2,625,695, Jan. 20.
Sleeping berth support. G. D. Pagon. 2,657,400, Nov. 3.
Sleeping equipment for use in combination with motor vehicles of the pleasure type. E. C. Cutler. 2,640,204, June 2.
Sleeve connector having forward contractible ring end portion and rearward spring fingers, Flareless. G. V. Woodling. 2,657,077, Oct. 27.
Sleeve construction. R. Kanin. 2,626,396, Jan. 27.
Sleeve construction, Underarm. J. Clyne. 2,650,364, Sept. 1.
Sleeve expander and/or former. Y. Amber. 2,662,673, Dec. 15.
Sleeve extractor. E. E. Skilling. 2,628,420, Feb. 17.
Sleeve fastener. J. P. Francesco. 2,638,028, May 12.
Sleeve fold guiding and supporting device. P. H. Simonsen. 2,626,734, Jan. 27.
Sleeve press. I. C. Maxwell and O. H. Langen. 2,626,733, Jan. 27.
Sleeve press. R. G. McLagan. 2,629,522, Feb. 24.
Sleeve puller. A. A. Barbisch. 2,650,419, Sept. 1.
Sleeve puller. W. H. Helton. 2,641,831, June 16.
Sleeve supported electrode for well logging. A. B. Hildebrandt. Re. 23,621, Feb. 24.
Sleeve twisting device, Wire rope. D. C. Sherman. 2,628,653, Feb. 17.
Sleigh, Child's. G. Fortin. 2,642,292, June 16.
Slicer, Block ice-cream. R. H. Bloxham. 2,660,962, Dec. 1.
Slicer, Bun. A. O. Goldstein. 2,652,086, Sept. 15.
Slicing and dicing apparatus, Vegetable. F. G. Davis and M. M. Kennedy. 2,661,039, Dec. 1.
Slicing drupe halves, Method of and apparatus for. F. A. Wool. 2,628,649, Feb. 17.
Slicing machine, Button blank. M. R. Ostrochovsky. 2,640,380, June 2.
Slicing machine, Candy. E. C. Clement. 2,661,707, Dec. 8.
Slicing machine, Food. H. G. Menssen. 2,638,950, May 19.
Slicing machine, Vegetable. C. W. Kubon. 2,664,130, Dec. 29.
Slidable jaw ratchet-type wrench. P. Mize and C R B. Brock. 2,635,498, Apr. 21.
Slidable side jaw wrench. A. T. Allen. 2,646,710, July 28.
Slidable side jaw wrench. W. A. Barnes. 2,643,569, June 30.
Slidably supporting tools or machine parts, Means for. W. H. Kennedy. 2,634,175, Apr. 7.
Slide assembly for extension tables, Metal. J. Cooper. 2,626,844, Jan. 27.
Slide assembly for tables, Metal. W. S. Reed. 2,631,911, Mar. 17.
Slide binder. H. H. Engemann. 2,639,531, May 26.
Slide binder clamping apparatus. L. E. Chamberlain. 2,625,197, Jan. 13.
Slide bolt assembly for doors and the like, Lockable. M. Ainsworth. 2,631,877, Mar. 17.
Slide clamping mechanism for mechanical stages for microscopes. C. J. Bowerman. 2,656,760, Oct. 27.
Slide container. J. W. Rigney. 2,640,093, Aug. 18.
Slide detecting apparatus. L. D. Cole. 2,640,131, May 26.
Slide fastener. B. R. Austin. 2,625,726, Jan. 20.
Slide fastener. A. Bashover. 2,657,444, Nov. 3.
Slide fastener. W. W. English. 2,643,432, June 30.
Slide fastener O. Firing. 2,628,400, Feb. 17.
Slide fastener. H. Heimann and I. Shur. 2,660,774, Dec. 1.
Slide fastener. J. Hora. 2,637,886, May 12.
Slide fastener. J. C. Macy. 2,629,911, Mar. 3.
Slide fastener. G. H. Rakowitzky. 2,654,930, Oct. 13.
Slide fastener. J. Robinsohn. 2,632,220, Mar. 24.
Slide fastener. M. Volty. 2,654,931, Oct. 13.
Slide fastener closure for apparel. G. W. Geissmann. 2,629,875, Mar. 3.
Slide fastener construction. M. Breier. 2,638,650, May 19.
Slide fastener wire, Manufacture of. V. Scheuerman. 2,643,559, June 30.
Slide feed. F. Koch. 2,624,575, Jan. 6.
Slide feed mechanism. E. Grimm. 2,663,566, Dec. 22.
Slide film changer, Projector. R. A. Lightburn and M. W. Palmer. 2,655,075, Oct. 13.

Slide-on welt drapery hanger. M. Hardwick. 2,638,977, May 19.
Slide projector-phonograph combination. M. Ronick. 2,631,495, Mar. 17.
Slide rule indicator. C. P. Davey. 2,634,912, Apr. 14.
Slide viewer. G. M. Mast and W. K. Gannett. 2,630,642, Mar. 10.
Slidewire power supply. P. S. Goodwin. 2,645,750, July 14.
Slider for slide fasteners. A. E. Carlile. 2,626,440, Jan. 27.
Slider for slide fasteners. V. Weber. 2,657,445, Nov. 3.
Sliding box cover. J. E. Shaffer. 2,663,457, Dec. 22.
Sliding caster type support. P. D. Becker. 2,631,330, Mar. 17.
Sliding closure. S. P. Kjellgren. 2,657,111, Oct. 27.
Sliding closure and suspension system therefor. A. Grossman. 2,627,092, Feb. 3.
Sliding connector for bus bar sections. H. J. Hammerly. 2,626,298, Jan. 20.
Sliding counter seat. C. F. Caramelli. 2,645,272, July 14.
Sliding device combined with automatic brakes for automotive vehicles. E. D. Velazquez. 2,658,587, Nov. 10.
Sliding door. A. T. C. Burrows. 2,651,816, Sept. 15.
Sliding door. A. T. C. Burrows. 2,653,359, Sept. 29.
Sliding door. J. B. Long and F. D. Downie. 2,632,925, Mar. 31.
Sliding door assembly. J. W. Greig. 2,659,939, Nov. 24.
Sliding door locking mechanism. J. A. May. 2,629,619, Feb. 24.
Sliding shelf or drawer support. H. J. M. Lambert and G. P. Mongin. 2,639,042, May 19.
Sliding shoe curtain support. G. F. and R. French. 2,648,869, Aug. 18.
Sliding snap hook. W. A. Javery. 2,656,580, Oct. 27.
Sling. L. M. Caldwell. 2,661,231, Dec. 1.
Sling, Foot. G. W. Jardine. 2,644,448, July 7.
Slingshot gun. J. R. Keadle. 2,638,885, May 19.
Sling shot magazine. W. W. Osborne. 2,625,925, Jan. 30.
Slip. S. Roodner. 2,624,882, Jan. 13.
Slip. S. Roodner. 2,637,036, May 5.
Slip clutch. A. E. Young. 2,657,557, Nov. 3.
Slip clutch reverse gear combination for outboard motors. E. C. Kiekhaefer. 2,630,775, Mar. 10.
Slip feeler control mechanism in cash registers. G. R. Englund. 2,631,530, Mar. 17.
Slip sheeter attachment for duplicators. B. Ferrar. 2,647,463, Aug. 4.
Slip with adjustable shoulder straps, Infant's. R. Abramson. 2,638,598, May 19.
Slipper, Disposable foot. O. G. France. 2,627,126, Feb. 3.
Slipping clutch. N. M. Haynes. 2,643,531, June 30.
Slit mechanism. E. J. Meyer and J. L. Read. 2,664,028, Dec. 29.
Slitter or scorer for tubes or sheaths. E. Beyer. 2,648,899, Aug. 18.
Slitting device for wire insulation or the like. P. Carta. 2,640,654, Aug. 25.
Slitting, scoring, and folding machine. L. W. Roselius. 2,664,035, Dec. 29.
Sliver container. J. R. Longstreet. 2,630,243, Mar. 3.
Slope indicator. O. B. Misz. 2,635,344, Apr. 21.
Slope level. E. L. Callahan. 2,659,976, Nov. 24.
Sloping attachment for graders. F. I. Braden and H. R. Godfrey. 2,659,988, Nov. 24.
Slot cutting machine with adjustable stroke. G. Borel. 2,663,337, Dec. 22.
Slotted antenna system. G. H. Brown. 2,660,674, Nov. 24.
Slotting machine. C. F. Jones. 2,657,615, Nov. 3.
Slub catcher. S. L. Abbott. 2,625,732, Jan. 20.
Slub catcher. S. L. Abbott. 2,640,252, June 2.
Slub catcher for use on textile machinery. J. M. Shires and B. G. Foster. 2,645,839, July 21.
Slug casting machine. R. H. Turner. 2,625,259, Jan. 13.
Slug feed device. P. Ingram. 2,662,760, Dec. 15.
Slug rejector for coin selecting devices. W. Patzer. 2,651,399, Sept. 8.
Slug rejector scavenger. J. L. Anderson. 2,624,438, Jan. 6.
Sluice gate seal. R. L. Hatch. 2,643,521, June 30.
Slurry distributor for seed treaters. M. W. Guyer. 2,626,131, Jan. 20.
Slurry handling device for seed treating machines. M. W. Guyer and O. C. Calkins. 2,644,676, July 7.
Slurry polymerization process. S. B. Sweetser. 2,626,293, Jan. 20.
Slush pump seal ring. W. E. Pielop, Jr. 2,637,606, May 5.
Small boat restrainer. J. H. Bascome, Jr. 2,662,501, Dec. 15.
Small gun for perforating casing in oil wells. T. A. Huber. 2,639,770, May 26.
Smoke abatement apparatus. R. J. C. Buckmaster. 2,632,089, Mar. 17.
Smoke agent. J. P. Clay and H. B. Elkins. 2,658,874, Nov. 10.
Smoke and spark arrester for cupolas. M. W. Goldberg. 2,646,263, July 21.
Smoke apparatus, Portable collapsible. J. H. Voss. 2,645,993, July 21.
Smoke detector. C. N. Cahusac and F. B. Allen. 2,654,082, Sept. 29.
Smoke detector relay and resetting mechanism. C. N. Cahusac and F. B. Allen. 2,640,123, May 26.
Smoke detector testing means. F. B. Allen. 2,627,064, Jan. 27.
Smoke generator. L. Finkelstein and S. J. Magram. 2,633,455, Mar. 31.
Smoke tree. C. J. Pickens, Sr. 2,643,777, June 30.
Smokeless powder, Manufacture of. W. E. Piper. 2,655,694, Oct. 20.
Smoker's ash receptacle. D. S. Harwood. 2,649,222, Aug. 18.
Smoker's ash receptacle. C. F. Knapp. 2,645,230, July 14.
Smoker's pipe. J. W. Cryder. Re. 23,663, June 2.
Smoker's pipe. J. Gevirman. 2,641,263, June 9.
Smoker's receptacle. P. M. Manion. 2,661,747, Dec. 8.
Smoking appliance. W. L. Webster. 2,646,050, July 21.
Smoking device and flashlight, Combined. G. Lyeso. 2,646,051, July 21.
Smoking pipe. C. M. Breed. 2,635,610, Apr. 21.
Smoking pipe. P. P., J. P., and F. P. Catalano. 2,641,262, June 9.
Smoking pipe. E. E. Lancaster. 2,644,464, July 7.
Smoking pipe. R. G. Lockard. 2,662,530, Dec. 15.
Smoking pipe. A. B. Modine. 2,642,069, June 16.
Smoking pipe. P. Nadelson. 2,637,327, May 5.
Smoking pipe. J. R. Rosenthal. 2,624,345, Jan. 6.
Smoking pipe. E. F. Schneider. 2,647,522, Aug. 4.
Smoking pipe. J. A. Smith. 2,660,179, Nov. 24.
Smoking pipe. R. L. Smith. 2,628,622, Feb. 17.
Smoking pipe. R. L. Smith. 2,654,370, Oct. 6.
Smoking pipe. W. Williamson. 2,655,158, Oct. 13.
Smooth opening automatic lubricated gate valve. A. S. Volpin. 2,657,898, Nov. 3.
Smoothing and shaping cellular polystyrene. E. R. Aller. 2,629,899, Mar. 3.
Snap-acting fluid motor. J. W. Jacobs. 2,626,183, Jan. 20.
Snap acting mechanism. W. A. Martin. 2,659,238, Nov. 17.
Snap action mechanism. H. Millard. 2,631,205, Mar. 10.
Snap action switch. J. A. Spina and E. O. Andersen. 2,624,819, Jan. 6.
Snap fastener. J. F. Lynch. 2,651,093, Sept. 8.
Snap fastener socket assembly. J. Blazej. 2,626,442–3, Jan. 27.
Snap fastener socket assembly. H. S. van Buren, Jr. 2,626,441, Jan. 27.
Snap fastener stud installation. H. S. van Buren, Jr. 2,624,091, Jan. 6.
Snap freezing by cooling a mass while under pressure and quickly relieving the pressure. E. P. Kellie. 2,649,702, Aug. 25.
Snap-hook. H. G. Foster. 2,637,088, May 5.
Snap-in deformable clip holder. L. H. Heuer. 2,658,247, Nov. 10.
Snap-on basket handle. C. H. Kafer. 2,654,115, Oct. 6.
Snap-on split nut. R. Mugford. 2,664,023, Dec. 29.
Snap-out form separating device. B. A. Stafford. 2,649,156, Aug. 18.
Snap sampler. J. Kohl, E. G. Reid, and L. R. Zumwalt. 2,645,940, July 21.
Snap switch. R. H. Bentley. 2,644,865, July 7.
Snap switch. R. G. Le Tourneau. 2,629,791, Feb. 24.
Snap switch. A. Razdow. 2,650,964, Sept. 1.
Snap switch. R. J. Wellworth. 2,648,730, Aug. 11.
Snap switch. A. J. Vaksvik. 2,660,633, Nov. 24.
Snapping roll with rubber inserts. E. K. Karlsson. 2,629,384, Feb. 24.
Snatch block. J. E. Fate, Jr. 2,649,282, Aug. 18.
Snatch block. F. L. Le Bus. 2,633,329, Mar. 31.
Snatch roller, Removable. J. Guadagna. 2,645,187, July 14.
Snelled fishhook holder. H. O. Wilcox, J. C. Raymond, and A. N. Opheim. 2,624,973, Jan. 13.
Snow eliminator for self-service cases. V. W. Smith. 2,657,546, Nov. 3.
Snow fencing. G. L. R. Longtin. 2,632,481, Mar. 24.
Snow loading device. M. T. Schulte, L. J. Litchy, and E. W. Downward. 2,627,680, Feb. 10.
Snow melter. E. A. Smith. 2,630,637, Mar. 10.
Snowplow. F. M. Becker. 2,656,623, Oct. 27.
Snowplow. R. S. Cooper. 2,632,263, Mar. 24.
Snowplow. G. E. Curtis and W. A. Oberbeck. 2,642,680, June 23.
Snowplow attachment. J. A. Holm. 2,642,294, June 16.
Snow-plow attachment for lawn shears. J. L. Butler. 2,653,397, Sept. 29.
Snow removal construction. A. Jordanoff. 2,634,659, Apr. 14.
Snow shield for motorcar windshields. W. J. Berty 2,646,118, July 21.
Snow track for motor vehicles. A. Gazda. 2,644,539, July 7.
Snubbed spring group. R. B. Cottrell. 2,657,041, Oct. 27
Snubbed spring group. L. F. Ramos. 2,657,040, Oct. 27
Snubbed spring group. G. Smith. 2,627,402, Feb. 3.
Snubber for crane booms. C. J. Sathre and T. A. Cheesman. 2,627,985, Feb. 10.
Snubber for railway car truck springs, Friction. H. W. Mulcahy. 2,641,463, June 9.
Snubbing means for railway car truck springs. G. E. Dath 2,638,853, May 19.
Soaking of rayon bucket cakes before centrifugal washing F. R. Millhiser. 2,647,039, July 28.

Soap and making same, Plodded high moisture. R. E. Compa. 2,649,417, Aug. 18.
Soap case. W. Olivier Paige. 2,661,520, Dec. 8.
Soap dispenser. H. H. Logan. 2,643,669, June 30.
Soap dispenser. R. C. Mansperger. 2,655,290, Oct. 13.
Soap dispenser. G. H. Packwood. Jr. 2,644,615, July 7.
Soap from low grade oils and fats, Manufacture of odorless. K. Appuhn. 2,640,840, June 2.
Soaplike compositions and making same. L. D. Galthe. 2,637,699, May 5.
Soap package. M. S. Banks. 2,637,439, May 5.
Soap useful for making lubricating greases. J. R. Allison and W. L. Blalock. 2,628,202, Feb. 10.
Soaps, Aluminum. W. A. Young and J. C. Zaborski. 2,626,897, Jan. 27.
Sock drier. L. M. Lake. 2,639,845, May 26.
Socket assembly, Snap fastener. W. I. Jones. 2,648,885, Aug. 18.
Socket assembly, Snap fastener. H. S. Van Buren, Jr. 2,644,215, July 7.
Socket, Cathode-ray tube. D. B. Keim. 2,654,871, Oct. 6.
Socket connector. C. E. Gilbert. 2,625,576, Jan. 13.
Socket connector formed by alternate bands, Electrical. H. A. Knollman. 2,648,827, Aug. 11.
Socket connector having removable terminals. W. T. Mears. 2,624,773, Jan. 6.
Socket, Electric lamp. G. D. Brayman and E. K. Lotthammer. 2,648,049, Aug. 4.
Socket, Electric outlet. C. E. Woodside, W. R. Smith, A. L. Woodside, and Z. A. Armstrong. 2,637,790, May 5.
Socket electrical connection device, Multiple. R. B. Squires. 2,627,535, Feb. 3.
Socket, Electrical plug and wall. J. Zalduondo. 2,637,765, May 5.
Socket for fluorescent lamps and the like. H. Kershaw. 2,663,852, Dec. 22.
Socket for incandescent lamps or discharge tubes comprising two parallel contact sleeves. J. H. F. van Werd. 2,653,303, Sept. 22.
Socket for instrument panel lighting, Lamp. J. M. Roper and T. O. Twist. 2,637,802, May 5.
Socket for plug-in type electric meters. J. C. Clark. 2,647,243, July 28.
Socket for well tubes, Safety rope. C. R. Pigott. 2,639,893, May 26.
Socket having a locking tab with a gradually sloping camming surface. H. P. Dupre. 2,625,578, Jan. 13.
Socket, Lamp. W. J. Coyle. 2,640,969, June 2.
Socket, Lamp. S. W. Pollock. 2,646,554, July 21.
Socket, Lamp. J. S. Yarrow. 2,659,875, Nov. 17.
Socket mount, Apertured panel. R. D. Winkelmeyer and V. R. Herterick. 2,638,575, May 12.
Socket, Panel mounted electric light. A. Hafke. 2,633,483, Mar. 31.
Socket, Pin-tap lamp. C. E. Gilbert. 2,636,069, Apr. 21.
Socket, Spring lock. W. H. Greatbatch, Jr. 2,635,131, Apr. 14
Socket reducing means for box-type wrenches. W. Waterval. 2,651,230, Sept. 8.
Socket supporting structure, Unitary lamp. G. J. Thomas. 2,632,787, Mar. 24.
Socket-type contact. E. E. Ritter. 2,647,248, July 28.
Socket with freely floating contacts, Hermetically sealed. C. W. Klostermann and C. J. Adams. 2,658,183, Nov. 3.
Socket with pin tap connecting means, Electric lamp. C. E. Gilbert. 2,647,246, July 28.
Socket, Wrench. D. O. Stuart and R. W. Mecklin. 2,631,485, Mar. 17.
Socket wrench and nut ejector, Combined. B. J. Lenz. 2,651,229, Sept. 8.
Sod cutter. D. E. Moldowan. 2,650,532, Sept. 1.
Sod cutting attachment for garden tractors. V. Luoma. 2,646,740, July 28.
Soda fountain draft head. F. H. Beall. 2,632,468, Mar. 24.
Sodium acid pyrophosphate, Production of stabilized. F. H. Wright, Jr. 2,630,372, Mar. 3.
Sodium and potassium hydroxide for photographic developer powders, Noncaking. R. W. Henn. 2,639,221, May 19.
Sodium carbide and acetylene, Production of. H. N. Gilbert. 2,642,347, June 16.
Sodium hydrosulfide solution, Manufacturing. P. A. Maschwitz. 2,662,000, Dec. 8.
Sodium hydroxide and hydrogen from elemented sodium, Production of. F. L. Padgitt. 2,660,517, Nov. 24.
Sodium peroxide, Generating. D. S. Nantz. 2,633,406, Mar. 31.
Sodium nitrate, Producing. W. S. Miller. 2,643,180, June 23.
Sodium salts of carbonic acid by ion exchange, Preparation of. K. R. Gray and H. L. Crosby. 2,656,245, Oct. 20.
Sodium silicate glasses, Process and charge for manufacturing. R. C. Danison. 2,644,742, July 7.
Sodium sesquicarbonate from a brine containing a substantial sodium carbonate content, Production of. A. C. Byrns. 2,626,852, Jan. 27.
Sodium sesquicarbonate from crude trona, Production of. R. D. Pike. 2,639,217, May 19.
Sodium sulfate of highly branched primary heptadecanol. W. M. Bruner. 2,633,473, Mar. 31.
Sodium sulfate recovery. L. L. Malm. 2,645,561, July 14.
Sodium superoxide production. W. H. Schechter. 2,648,596, Aug. 11.
Sofa adapted to be converted into two superposed beds. J. Ekeberg. 2,627,612, Feb. 10.
Sofa and bed, Combination. J. J. Wodarsky. 2,634,427, Apr. 14.
Sofa and double bed combination. H. S. Vakassian. 2,639,441, May 26.
Sofa and table, Combination. J. M. Schenzinger and W. Balcher. 2,639,761, May 26.
Sofa bed hinge. H. Raginsky. 2,625,693, Jan. 20.
Sofa berth suspension and locking mechanism. E. E. Woller. 2,634,433, Apr. 14.
Sofa seat and bed, Combined. A. Lorenz and H. Nock 2,644,171, July 7.
Soft glass and composite article. R. H. Dalton. 2,642,633, June 23.
Soft glass and composite article. R. H. Dalton. 2,643,020, June 23.
Soft surface cured cheese, Manufacture of. J. H. Kraft. 2,641,545, June 9.
Softened copolymer of butadiene and styrene. T. M. Patrick, Jr. 2,658,046, Nov. 3.
Softening agent for rubber, and resultant rubber composition. F. M. McMillan and D. E. Winkler. 2,648,644, Aug. 11.
Softening low-carbon medium-alloy steel. J. M. Klefer, Jr. 2,664,369, Dec. 29.
Softening of rubber. C. E. Kendall and M. Landau. 2,631,177, Mar. 10.
Soil additive. R. M. Hedrick and D. T. Mowry. 2,652,379, Sept. 15.
Soil conditioner. R. A. Kropp. 2,638,830, May 19.
Soil conditioning agents of desert plant origin and their use. R. W. Dickenson. 2,658,824, Nov. 10.
Soil conditioning machine. H. E. Swartout. 2,646,736, July 28.
Soil crushing or treating apparatus. J. W. Fitts. 2,636,689, Apr. 28.
Soil irrigation system. F. Stauch. 2,653,449, Sept. 29.
Soil moisture meter. G. Bouyoucos. 2,636,962, Apr. 28.
Soil sampler, Pneumatically-controlled. E. G. Knight and J. W. Miller. 2,664,269, Dec. 29.
Soil sampling machine. J. A. Hardman. 2,643,858, June 30.
Soil shear testing machine. T. R. Dames, W. W. Moore, and J. W. Maloney. 2,656,718, Oct. 27.
Soil stabilization. C. L. Walsh, W. B. Hawes, and F. Foulger. 2,661,297, Dec. 1.
Soil treating device. C. A. Hawkins and F. H. Zehrbaugh. 2,649,061, Aug. 18.
Soil treating machine. C. A. Hawkins and F. H. Zehrbaugh. 2,649,060, Aug. 18.
Soilless culture. G. J. H. E. Wubben and A. A. Steiner. 2,639,549, May 26.
Solar engine. E. A. Agnew. 2,636,129, Apr. 21.
Solar-heating structure. C. W. Harris. 2,625,930, Jan. 20.
Solder feeding device. J. E. Cowles. 2,628,585, Feb. 17.
Solder flux and preparing the flux. W. H. Schoenfeld, Jr. 2,626,881, Jan. 27.
Solder flux life extender. W. C. Shilling and G. W. Wright. 2,662,840, Dec. 15.
Solder feeder for electric soldering irons, Manually operated. N. M. Greene. 2,643,321, June 23.
Solder for ceramics. M. J. Bolton. 2,636,820, Apr. 28.
Solder terminal, Resilient. M. Alden. 2,640,185, May 26.
Soldering fixture for fuses. L. O. Reichelt. 2,632,082, Mar. 17.
Soldering flux. J. A. De Rosa and C. A. Snell. 2,658,846, Nov. 10.
Soldering flux. C. A. Snell, J. M. Fain, and J. A. De Rosa. 2,664,370–1, Dec. 29.
Soldering flux and manufacture. H. L. Williams. 2,631,952, Mar. 17.
Soldering flux composition. R. A. Nelsb. 2,659,684, Nov. 17.
Soldering lug. A. C. Peters. 2,641,748, June 9.
Soldering terminal for electrical wires. H. Epstein. 2,664,553, Dec. 29.
Sole and heel tread for shoes, Corrugated. N. Hack. 2,627,676, Feb. 10.
Sole composition, Shoe. G. H. Gates. 2,638,457, May 12.
Sole of a shoe. R. W. Shaw. 2,631,387, Mar. 17.
Sole plate and hood construction for electric irons. C. H. Sparklin and P. J. More. 2,657,484, Nov. 3.
Sole rounding and channeling machine. C. W. Baker. 2,639,449, May 26.
Sole straightening device for shoes. N. C. Dahl. 2,625,696, Jan. 20.
Solenoid. F. R. Eck. 2,627,544, Feb. 3.
Solenoid controlled cord reel. R. F. Becker. 2,640,113, May 26.
Solenoid delay line. J. R. Pierce. 2,638,502, May 12.
Solenoid for chime signals, Double-acting. L. M. Alexander and E. H. Bladh. 2,659,074, Nov. 10.
Solenoid hydraulic control valve. V. A. Tauscher, W. D. Mullins, Jr., K. R. Jackson, and W. D. Lyon. 2,655,939, Oct. 20.
Solenoid magnet. M. S. Snell. 2,663,826, Dec. 22.
Solenoid operated actuator. F. J. Vargo. 2,629,766, Feb. 24.
Solenoid-operated window regulator. L. S. Greenmun. 2,657,924, Nov. 3.

Solenoid valve. G. R. Nagel. 2,630,139, Mar. 3.
Solid delay line. D. L. Arenberg. 2,624,804, Jan. 6.
Solid fuel burner. P. L. Gross. 2,629,350, Feb. 24.
Solid materials consisting of aggregated solid particles, Manufacture of. J. H. McKee. 2,652,318, Sept. 15.
Solid phosphoric acid slurry polymerization process. R. L. Betts and J. D. Leslie. 2,626,291, Jan. 20.
Solids baffle for catalyst apparatus. R. T. Savage and J. C. Dart. 2,647,044, July 28.
Solids characteristics tester. D. L. Arenberg. 2,645,933, July 21.
Solids lift disengager. R. Kollgaard. 2,646,316, July 21.
Solubilized platinum—sulfide reforming catalyst. L. Heard and M. J. Den Herder. 2,659,701, Nov. 17.
Soluble calcium salt of a copolymer of vinyl acetate and a mono-ester of maleic acid. R. M. Hedrick and D. T. Mowry. 2,652,380, Sept. 15.
Soluble, fusible, convertible unsaturated interpolymers of selected di-2-alkenyl citraconates or mesaconates and selected 2-alkenyl alcohols or chlorides. P. O. Tawney. 2,649,437, Aug. 18.
Soluble oils comprising neutralized oxidized petroleum oils. D. Frazier. 2,653,909, Sept. 29.
Soluble onium salts of halogenmethylated arylaminopolycyclic quinones. E. E. Renfrew and D. I. Randall. 2,645,641, July 14.
Soluble vat dyes of the acridone series. W. B. and E. M. Hardy. 2,649,452, Aug. 18.
Soluble vat dyes of the acridone series, Preparation of. E. M. and W. B. Hardy. 2,649,453, Aug. 18.
Solution for treatment of fibrous cellulosic materials. W. F. Sullivan and I. M. Panik. 2,658,000, Nov. 3.
Solution of cellulose acetate butyrate. L. L. Yaeger. 2,652,339, Sept. 15.
Solution polymerization employing aqueous solutions of aromatic sulfonates. J. R. Caldwell. 2,639,279, May 19.
Solutions of acrylonitrile polymers containing an alkali or alkaline earth metal salt. J. L. Justice. 2,632,750, Mar. 24.
Solutions of formaldehyde-urea reaction products, Production of. M. A. Kise. 2,652,377, Sept. 15.
Solutions of polymeric materials comprising at least 80 percent of polymerized acrylonitrile. M. R. Lytton. 2,654,721, Oct. 6.
Solutions of polymers of acrylonitrile. J. B. Dickey, T. E. Stanin, and H. W. Coover, Jr. 2,642,406, June 16.
Solutions of polyvinyl alcohol-acetate, Preparation of. L. M. Germain. 2,640,816, June 2.
Solutions of proteins and their preparation. J. R. Caldwell. 2,625,490, Jan. 13.
Solutions of rubbery polymers from particles of uniform diameter. C. F. Van Gilder and W. C. Harney. 2,628,203, Feb. 10.
Solutions of tetraalkylsilicates. H. R. Moulton. 2,634,215, Apr. 7.
Solutions of vinylidene cyanide interpolymers in an organic nitrile. H. Gilbert and F. F. Miller. 2,649,426, Aug. 18.
Solvent applicator for imprinting machines. J. A. Weber. 2,657,665, Nov. 3.
Solvent dewaxing. W. Kiersted, Jr. and H. H. Gross. 2,654,692, Oct. 6.
Solvent extraction. A. W. Francis. 2,632,030, Mar. 17.
Solvent extraction. A. W. Francis and G. C. Johnson. 2,663,670, Dec. 22.
Solvent extraction apparatus and method. R. P. Hutchins and F. C. Simon. 2,663,624, Dec. 22.
Solvent extraction, Method and apparatus for. G. R. Greenbank. 2,626,265, Jan. 20.
Solvent extraction of asphaltic residues. R. C. Woerner. 2,650,897, Sept. 1.
Solvent extraction of oxytetracycline. E. W. Blase. 2,658,078, Nov. 3.
Solvent extraction process. W. I. Denton and R. B. Bishop. 2,629,730, Feb. 24.
Solvent extraction with liquid carbon dioxide. A. W. Francis. 2,631,966, Mar. 17.
Solvent fractionation of wax-containing mixtures. E. W. Clarke. 2,626,230–1, Jan. 20.
Solvent fractionation of wax-containing mixtures. E. W. Clarke. 2,658,853, Nov. 10.
Solvent-operated duplicating machine. M. L. A. Delplanque. 2,660,112, Nov. 24.
Solvent polishing-injection molded articles of cellulose acetate-butyrate. C. H. Coney. 2,651,811, Sept. 15.
Solvent recovery with liquid carbon dioxide. A. W. Francis. 2,646,387, July 21.
Solvent saver recovery apparatus. C. F. Dinley. 2,663,950, Dec. 29.
Solvent-soluble water-repellency compositions. L. Q. Green. 2,628,170–1, Feb. 10.
Sonic tiltometer. D. G. C. Hare. 2,629,082, Feb. 17.
Soot blower of the short-travel retracting type. L. S. De Mart. 2,662,241, Dec. 15.
Sort verifier for punched cards. L. P. Martin. 2,645,152, July 14.
Sort verifier for punched cards. L. P. Martin. 2,659,265, Nov. 17.
Sorting device, Can label. A. H. McClelland and K. R. Anderson. 2,640,590, June 2.
Sorting device, Card. J. H. Page. 2,642,066, June 16.
Sorting machine. B. R. Garrett. 2,661,090, Dec. 1.
Sorting machine. F. C. Gleason. 2,656,054, Oct. 20.
Sorting machine, Article. R. E. J. Nordquist. June 30.
Sorting machine, Can. F. M. Johnson and L. 2,657,799, Nov. 3.
Sorting machine, Card. B. L. Mishey. 2,635,76
Sorting objects by their weight, Means of. 2,649,201, Aug. 18.
Sound-absorbing structure. J. Mazer. 2,652, 15.
Sound and heating apparatus for drive-in the G. and G. J. Dion. 2,660,943, Dec. 1.
Sound annunciator. W. L. Hansen. 2,624,226
Sound chamber for accordion pickup. W. 2,658,420, Nov. 10.
Sound deadener for signaling devices. M. 2,643,634, June 30.
Sound deadening device for musical instrumen Strobach. 2,657,609, Nov. 3.
Sound deadening means for car wheels. O. 2,643,152, June 23.
Sound detector for accurately locating defects low speed motors and machinery, Manually J. A. Rayder. 2,633,205, Mar. 31.
Sound filter for microphones and telephones. 2,645,301, July 14.
Sound generating device. L. Santino. 2,643 14.
Sound insulating strip member for sinuously wire springs. W. H. Neely. 2,637,046, M
Sound-making wheeled stick horse. N. Va 2,648,160, Aug. 11.
Sound producer for fishing apparatus. S. 2,624,145, Jan. 6.
Sound producing device. S. L. Graham and H. 2,637,293, May 5.
Sound producing device. R. E. Swanson. 2,65 10.
Sound producing device for signaling purpos Swanson. 2,638,070, May 12.
Sound recording and record, Combination. D. 2,628,288, Feb. 10.
Sound recording and reproducing apparatus. 2,646,989, July 28.
Sound recording and reproducing apparatus. sky. 2,647,751, Aug. 4.
Sound recording and reproducing apparatus, R. E. O. Olsson and A. B. Dahl. 2,654,808,
Sound-recording and reproducing machine, Ma E. Masterson. 2,658,398, Nov. 10.
Sound recording and reproducing, Method a tus for. L. Luberoff. 2,627,555, Feb. 3.
Sound recording and reproduction. G. Bergson. Jan. 20.
Sound-recording apparatus, Magnetic. A. M. 2,637,785, May 5.
Sound reproducer attachment for headrests. Fitte. 2,629,023, Feb. 17
Sound reproducing device. E. B. Bush. 2,63 26.
Sound reproducing device. P. E. Ponticello. Apr. 21.
Sound reproducing device using endless record G. P. Smith. 2,637,560, May 5.
Sound reproducing machine. R. Morris. 2,65 10.
Sound reproducing stylus. J. R. Frederick. Jan. 13.
Sound re-recording method and system. 2,647,170, July 28.
Sound separation means for carrier frequency television receivers. E. L. Crosby, Jr. 2,652 15.
Sound system, Pulsed. W. D. Mounce. 2,648 11.
Sound tape, Production of magnetic. W. C. Sp J. Dwyer. 2,645,270, July 14.
Sounding board for stringed musical instrument caferri. 2,649,827, Aug. 25.
Soup canning. H. F. Snow. 2,662,823, Dec.
Soybean-containing food products without E. K. Pettibone. 2,627,465, Feb. 3.
Soybean processing and products. E. K. 2,627,462, Feb. 3.
Soya-bean oil and producing the same. C. M 2,627,467, Feb. 3.
Soya-bean oil and producing the same. H. W. C. M. Gooding, and D. Melnick. 2,627,468,
Soya-bean oil compositions. D. Melnick, C. M and H. W. Vahlteich. 2,627,469, Feb. 3.
Space and water heating unit, Combination. C. and G. Hatch. 2,643,323, June 23.
Spaceband and manufacturing same. G. 2,642,181, June 16.
Space controlling mechanism for multipitch e typewriters. O. C. W. Henze and J. L. 2,626,693, Jan. 27.
Space heating means for dynamo-electric machin Egglestone. 2,647,215, July 28.
Space intrusion detection system. E. W. Ma P. M. Brannen. 2,649,538, Aug. 18.
Space measuring means. W. C. Pickard. Dec. 15.
Space reservation system. I. Molnar. 2,647,24

Spaced wall insulated container. M. Dinsmore and E. K. Lotthammer. 2,633,264, Mar. 31.
Spacer for car loaded boxes. K. E. Rion. 2,627,820, Feb. 10.
Spacer for grooved springs, Interleaf. N. C. Fick and N. A. Crites. 2,632,640, Mar. 24.
Spacer plate for pipes in insulated conduits. A. H. Isenberg. 2,664,112, Dec. 29.
Spacing apparatus, Proportional. E. Frey and R. E. Hattis. 2,663,399, Dec. 22.
Spacing device, Line. J. Toggenburger. 2,662,628, Dec. 15.
Spacing means for the wall sections of flame tubes. W. M. McDonald. 2,645,081, July 14.
Spade, Detachable trench hoe. V. L. Schield. 2,652,640, Sept. 22.
Spade for gun carriages, Folding. R. E. Meyer and O. L. Beardsley. 2,663,226, Dec. 22.
Spade, shovel, fork or the like tool. A. Helin. 2,661,186, Dec. 1.
Spanner type strainer wrench. J. J. Palmer. 2,659,256, Nov. 17.
Spare tire and wheel carrier. J. R. Evans. 2,661,130, Dec. 1.
Spare tire carrier. R. Roy. 2,661,131, Dec. 1.
Spare tire holder. H. de Bord. 2,645,394, July 14.
Spare tire mounting. K. T. Keller. 2,631,886, Mar. 17.
Sparger. A. Hock. 2,633,992, Apr. 7.
Spark and gas control. S. H. New, Jr., and R. L. McCuiston. 2,633,757, Apr. 7.
Spark arrester. A. A. Wickland. 2,634,111, Apr. 7.
Spark arrester for steam locomotives. C. A. Kutcher. 2,624,503, Jan. 6.
Spark gap for distribution lines, Birdproof. G. H. Manke. 2,648,796, Aug. 11.
Spark plug. F. E. Berstler. 2,626,595, Jan. 27.
Spark plug. L. Coughlin. 2,646,783, July 28.
Spark plug. J. K. Delano. 2,632,132, Mar. 17.
Spark plug. R. H. Devaux. 2,650,583, Sept. 1.
Spark plug. L. M. Field. 2,630,107, Mar. 3.
Spark plug. L. M. Field. 2,635,598, Apr. 21.
Spark plug. L. M. Field. 2,658,934, Nov. 10.
Spark plug. S. I. Johnson. 2,652,043, Sept. 15.
Spark plug. H. Lewis. 2,638,083, May 12.
Spark plug. H. P. Phillips. 2,640,474, June 2.
Spark plug. H. P. Phillips. 2,652,044, Sept. 15.
Spark plug. H. P. Phillips and R. J. L. Dutterer. 2,648,320, Aug. 11.
Spark plug and ignition wire attachment means. F. E. Berstler. 2,650,584, Sept. 1.
Spark plug and manufacture therefor. R. J. L. Dutterer. 2,634,716, Apr. 14.
Spark plug cover. M. T. Stephens. 2,625,146, Jan. 13.
Spark plug elbow and barrel sealing grommet. J. D. Frazee. 2,625,579, Jan. 13.
Spark plug for low voltages and condenser discharge, Surface discharge. W. B. Smits. 2,640,473, June 2.
Spark plug heating and protecting attachment. J. E. Holmberg and A. J. Gruener. 2,646,029, July 21.
Spark plug mechanism, Antechamber type. G. F. Wright. 2,642,054, June 16.
Spark plug testing unit. M. F. Peters. 2,629,001, Feb. 17.
Spark responsive safety control system for gas burners. R. Shottenfeld. 2,628,676, Feb. 17.
Sparker for self-supporting cable with bare messenger, High-voltage. E. K. Duffy. 2,635,136, Apr. 14.
Spatial music projecting device. P. H. Schaeffer. 2,636,943, Apr. 28.
Speaker and heater for outdoor theaters, Combination. S. Takach. 2,646,496, July 21.
Speaker protective device for drive-in theaters. R. Dillone. 2,661,505, Dec. 8.
Special boring bar. D. White. 2,641,940, June 16.
Special purpose electric motor. G. W. Hennigh and H. D. Ridge. 2,650,314, Aug. 25.
Specific-gravity tester. J. T. Webber. 2,655,034, Oct. 13.
Spectacle band. E. R. Wheeler. 2,649,020, Aug. 18.
Spectacle case. B. Grosvenor. 2,642,986, June 23.
Spectacle case. B. Grosvenor. 2,657,791, Nov. 3.
Spectacle case. G. J. Mageau, Jr. 2,634,018, Apr. 7.
Spectacle case. K. T. Parsell. 2,650,701, Sept. 1.
Spectacle case. K. T. Parsell. 2,654,503, Oct. 6.
Spectacle case. R. F. E. Stegeman. 2,656,912, Oct. 27.
Spectacle frame. V. Sallerno. 2,655,835, Oct. 20.
Spectacle frame and light, Combined. T. L. Brady. 2,638,532, May 12.
Spectacle hinge structure. B. B. Knowles and M. B. Singer. 2,634,655, Apr. 14.
Spectacle retaining device. E. E. Pendleton. 2,648,255, Aug. 11.
Spectacle temple. A. Hurst. 2,659,270, Nov. 17.
Spectacle with vertically adjustable lenses. R. F. E. Stegeman. 2,660,924, Dec. 1.
Spectacles with pivotally mounted nose rest. I. Hirschman. 2,654,290, Oct. 6.
Spectral analysis, Fluorescent. M. A. Cordovi. 2,635,192, Apr. 14.
Spectrum lock-in arrangement with automatic frequency control. E. H. Hugenholtz. 2,662,180, Dec. 8.
Spectrometer. J. Neufeld. 2,636,994, Apr. 28.
Spectrometer, Mass. G. H. Lee. 2,659,822, Nov. 17.
Spectrometer, Mass. C. F. Robinson. 2,648,009, Aug. 4.
Spectrometer, Mass. R. L. Sink. 2,648,008, Aug. 4.
Spectrometric analysis of solids. J. A. Hipple, Jr. 2,659,821, Nov. 17.
Spectrophotometer. R. C. Beitz. 2,630,736, Mar. 10.
Spectrophotometer. K. Luft. 2,654,287, Oct. 6.
Spectrum analyzer for compressional waves. H. Hurvitz. 2,643,286, June 23.
Speculum. R. D. Davis. 2,661,735, Dec. 8.
Speech analyzing and synthesizing communication system. J. C. Steinberg. 2,635,146, Apr. 14.
Speech communication system. P. R. Aigrain and J. B. Lair. 2,640,880, June 2.
Speech transmission system. C. A. Dahlbom and A. Weaver. 2,629,017, Feb. 17.
Speed, acceleration, and pressure controls for servomotor systems. W. D. McCourty and S. R. Tyler. 2,633,830, Apr. 7.
Speed adjusting apparatus, Governor. R. Lee. 2,645,473, July 14.
Speed- and acceleration-responsive valve. N. Worthing 2,630,815, Mar. 10.
Speed and direction power unit, Variable. P. M. Schmitt. 2,660,861, Dec. 1.
Speed and direction power unit, Variable. A. Taub. 2,660,860, Dec. 1.
Speed and voltage control of stator fed alternating current commutator motors and frequency converters. B. Schwarz. 2,640,178, May 26.
Speed change and control mechanism. E. A. Feustel. 2,638,006, May 12.
Speed change gearing. A. Mascherpa. 2,662,417, Dec. 15.
Speed change mechanism for phonograph turntables. R. G. Metzner. 2,631,458, Mar. 17.
Speed change transmission. P. J. McLaren. 2,659,245, Nov. 17.
Speed control. R. L. Stallard. 2,637,014, Apr. 28.
Speed control device, Centrifugal. W. A. Engstrom. 2,633,348, Mar. 31.
Speed control for cyclically operated machines, Cam-actuated. C. Tietig. 2,627,593, Feb. 3.
Speed control for motor vehicles, Selective. G. B. Smith. 2,661,941, Dec. 8.
Speed control for rotary motors. P. M. Mueller. 2,646,813, July 28.
Speed control mechanism for automobiles. S. B. Doyle. 2,663,313, Dec. 22.
Speed control of conveyer drives. A. J. Schenk. 2,625,257, Jan. 13.
Speed control of electric machines. J. M. Pestarini. 2,637,013, Apr. 28.
Speed control of electric machines. J. M. Pestarini 2,660,701, Nov. 24.
Speed control of machines. J. M. Pestarini. 2,632,140, Mar. 17.
Speed control system. J. B. Stinson. 2,653,020, Sept. 22.
Speed control system for electromagnetic coupling. R. L. Jaeschke. 2,659,832, Nov. 17.
Speed control unit for record players, Spindle mounted. C. Offutt. 2,632,650, Mar. 24.
Speed control valve. C. H. Hallett and E. F. Heiser. 2,659,386, Nov. 17.
Speed-controlled actuating device. H. E. Sloan. 2,639,135, May 19.
Speed controller, Motor. N. E. Colegrove. 2,631,265, Mar. 10.
Speed cup bias spring. H. H. Harada. 2,627,401, Feb. 3.
Speed filter. D. H. Quinn. 2,649,205, Aug. 18.
Speed governor. G. B. R. Felliden and R. E. Wigg. 2,650,815, Sept. 1.
Speed governor. G. E. Sorensen. 2,660,421, Nov. 24.
Speed governor for fluid operated rotary motors. P. M. Mueller. 2,646,814, July 28.
Speed indicating and recording device. R. W. Hewes and S. M. Phelps. 2,651,772, Sept. 8.
Speed indicating device for outboard motors. D. A. Armstrong. 2,649,848, Aug. 25.
Speed mechanism, Adjustable. J. S. Martin and A. I. Sanz. 2,653,487, Sept. 29.
Speed reducer. H. S. McGowan. 2,662,422, Dec. 15.
Speed reducer device. L. E. Beisner. 2,641,139, June 9.
Speed regulating apparatus for fluid driven prime movers. C. H. Langworthy. 2,637,332, May 5.
Speed responsive device. H. L. Bone. 2,628,294, Feb. 10.
Speed-responsive device. G. T. Randol. 2,638,518, May 12.
Speed-responsive device. G. T. Randol. 2,643,310, June 23.
Speed sensing device, Fluid pressure. H. E. Barrett, S. J. Hall, and W. C. Schaffer. 2,657,699, Nov. 3.
Speed sensing device, Fluid pressure. F. P. Sollinger. 2,642,275, June 16.
Speed sensing means, Magnetically biased centrifugal. F. P. Warrick. 2,643,871, June 30.
Speed sensing unit, Pneumatic. O. H. Milmore. 2,660,886, Dec. 1.
Speed transmission, Twin multiple. E. Lammerz and H. Herrmann. 2,661,632, Dec. 8.
Speed variator device, Automatic. R. M. Mercier. 2,658,399, Nov. 10.
Speedometer, Electric. W. McCandless. 2,657,919, Nov. 3.
Speedometer, Magnetically-acting. C. H. H. Rodanet. 2,648,019, Aug. 4.
Speedometer, Outboard motor. E. C. Kiekhaefer. 2,627,181, Feb. 3.

Spent acid restoration process. M. C. Fuqua. 2,629,747, Feb. 24.
Spherical valve. R. Bacchi. 2,663,538, Dec. 22.
Sphygmomanometer. C. E. Eksten, Jr. 2,630,796, Mar. 10.
Sphygmomanometer. H. J. Hasbrouck, Jr. 2,660,164, Nov. 24.
Sphygmomanometer. E. F. Larson. 2,633,121, Mar. 31.
Spice substance and preparing the same. H. R. Ansel. 2,636,824, Apr. 28.
Spigot, Push-button. M. W. Weber. 2,628,062, Feb. 10.
Spike, Drive. W. R. Selby. 2,649,009, Aug. 18.
Spin-testing device. E. Burrell. 2,655,033, Oct. 13.
Spinnable carboxymethylated cotton fibers and their production. G. C. Daul, J. D. Reid, and R. M. Reinhardt. 2,663,615, Dec. 22.
Spinning and fly wheel. M. T. Ulrich. 2,649,259, Aug. 18.
Spinning machine. A. B. Cavallaro. 2,651,165, Sept. 8.
Spinning machine drive. J. J. Keyser. 2,658,327, Nov. 10.
Spinning machine, Rayon. L. Rose and E. J. Whyte. 2,633,694, Apr. 7.
Spinning or extrusion apparatus. H. J. McDermott. 2,624,070, Jan. 6.
Spinning or roving frame. A. D. Abernethy. 2,635,299, Apr. 21.
Spinning polyvinyl alcohol fibers. T. Tomonari and M. Akaboshi. 2,642,333, June 16.
Spinning solutions comprising an acrylonitrileallyl alcohol copolymer. A. Cresswell. 2,644,803, July 7.
Spinning viscose rayon. M. J. Rarick. 2,659,102, Nov. 17.
Spinal column aligning table. K. N. Thornton. 2,660,999, Dec. 1.
Spindle adapter for high-speed strand twisting machines. E. Bay. 2,639,576, May 26.
Spindle and stripper therefor, Cotton-picking. A. W. Weems. 2,645,892, July 21.
Spindle bearing. D. H. Montgomery. 2,631,072, Mar. 10.
Spindle bearing. A. Pitner. 2,631,070, Mar. 10.
Spindle bearing assembly. J. M. Trammell. 2,641,518, June 9.
Spindle brake. J. A. Kooistra. 2,657,523, Nov. 3.
Spindle construction, Boring machine. W. Woerner. 2,642,759, June 23.
Spindle construction, High-speed. A. G. Plimmer. 2,641,970, June 16.
Spindle device, Double twist throwing. L. Sabaton. 2,638,732, May 19.
Spindle, Double twist. K. Landolt. 2,641,896, June 16.
Spindle dynamometer. W. V. Goodhue and H. H. Wormser. 2,624,197, Jan. 6.
Spindle for phonograph records. C. B. Dale. 2,634,983, Apr. 14.
Spindle for rotating cutting reel type mowers, Wheel supporting. A. Bourg. 2,638,729, May 19.
Spindle mount. C. P. Geen. 2,663,138, Dec. 22.
Spindle mounting. D. G. Soussloff and A. C. White. 2,648,948, Aug. 18.
Spindle mounting for textile spinning or like machines. A. Westall. 2,657,524, Nov. 3.
Spindle positioner for machine tools. R. B. Treer. 2,656,754, Oct. 27.
Spindle roughening means, Cotton picking. J. D. Rust. 2,657,516, Nov. 3.
Spiral coil loose-leaf binder and the like. H. Busse. 2,657,071, Oct. 27.
Spiral drive. W. B. Ashworth. 2,637,366, May 5.
Spirally arranged toothed cultivator wheel. G. A. Newhouse. 2,650,460, Sept. 1.
Spirally wound corrugated welded tubing. D. P. Schwester. 2,644,879, July 7.
Spirit level. S. T. Roberts. 2,634,509, Apr. 14.
Spirit level and making the same. S. Shaler. 2,646,628, July 28.
Spirit level with reflecting means. W. Garrison. 2,639,514, May 26.
Spiro[cyclohexane-1,9'-fluorene]amines. D. A. Stauffer and O. E. Fancher. 2,647,896, Aug. 4.
Splash guard construction, Vehicle. S. F. Garner and K. T. Heap. 2,640,714, June 2.
Splash guard for dump trucks, Rear wheel. G. D. Wiley. 2,653,846, Sept. 29.
Splash guard for oil well tubing. E. P. Allemang. 2,634,812, Apr. 14.
Splash mixer for dental castings. D. Pellegrini. 2,653,361, Sept. 29.
Spleen extract. J. M. Amozurrutia. 2,628,961, Feb. 17.
Spliced veener sheet offbearing mechanism. A. C. Carlson. 2,649,976, Aug. 25.
Splicer, Line. H. D. Davis. 2,652,273, Sept. 15.
Splicing apparatus, Wire. R. M. Goodwin. 2,630,144, Mar. 3.
Splicing collar, Angle post. T. Sato. 2,649,320, Aug. 18.
Spline affixing device for parquetry blocks. C. E. Tibbals. 2,650,627, Sept. 1.
Splint. M. J. Timmins. 2,655,916, Oct. 20.
Splint for deformed feet, Corrective. R. D. Mest and J. Herscovitz. 2,630,801, Mar. 10.
Splint for osteal deformities, Ambulatory traction. T. C. Ward. 2,642,864, June 23.
Split clearing mechanism. F. A. Niemann. 2,656,110, Oct. 20.
Split collar mounting tool. W. J. Williams and J. W. E. Hanes. 2,641,054, June 9.
Split trolley wire frog or switch. L. H. [illegible] 2,629,028, Feb. 17.
Split type shaft sleeve bearing. C. L. Babb. 2,[illegible] Apr. 14.
Splitting and skinning machine, Fish fillet. F. [illegible] sen. 2,645,812, July 21.
Splitting machine. A. S. Dumas. 2,645,921, [illegible]
Sponge and squeegee window cleaning device, C[illegible] P. R. Loveland. 2,649,600, Aug. 25.
Sponge covered spray head, Finger controlled. C. [illegible] bert. 2,658,219, Nov. 10.
Sponge cup. G. J. Sengbusch. 2,658,474, Nov. 1[illegible]
Sponge, Fountain-type surface washing and wipin[illegible] Carreiro. 2,658,218, Nov. 10.
Sponge rubber and making same, Fabric coated. [illegible] Alderfer. 2,648,619, Aug. 11.
Sponge rubber composition. W. R. Stauffer. Re[illegible] Aug. 4.
Sponge rubber product. S. W. Alderfer. 2,[illegible] Aug. 18.
Sponge rubber products, Process and apparatus [illegible] manufacture of. S. W. Alderfer. 2,628,654, [illegible]
Spool. F. J. Bieber. 2,657,876, Nov. 3.
Spool. M. Gazet. 2,646,233, July 21.
Spool. G. G. Tucker, Jr. 2,635,830, Apr. 21.
Spool-and-chain log stop and kicker. W. T. Stoc[illegible] 2,651,334, Sept. 8.
Spool and thread package thereon, Multiple. [illegible] Bochan. 2,639,866, May 26.
Spool box for sewing machines. A. H. [illegible] 2,664,059, Dec. 29.
Spool dimension indicator. J. A. Cranford. 2[illegible] June 23.
Spool, Fishing reel. H. I. Mandolf. 2,651,477, [illegible]
Spool for fishing reels, Nonfouling. E. E. [illegible] 2,643,828, June 30.
Spool holder. B. E. Hack. 2,632,613, Mar. 24.
Spool holder. D. Y. Novotny. 2,648,501, Aug. [illegible]
Spool operating device. R. R. King. 2,629,566, [illegible]
Spool, Plastic shrouded. L. H. Morin. 2,651,476, [illegible]
Spool rack. J. De Palma. 2,625,345, Jan. 13.
Spool retainer and thread dispenser, Combinat[illegible] Strocco. 2,630,981, Mar. 10.
Spool, Ribbon. O. W. Swanson. 2,640,658, June[illegible]
Spool stripper. R. L. Sjostrom. 2,641,821, June[illegible]
Spoon. J. Yolles. 2,647,310, Aug. 4.
Spoon for liquid or medicines, E-Z feeding baby. [illegible] terich. 2,640,263, June 2.
Spoon having a rotatable handle. B. B. Sweet. 2[illegible] Apr. 28.
Spoon, Multiple measuring. R. B. Davis. 2[illegible] Oct. 6.
Spoon, Slotted mixing. L. C. Brandel. 2,650,425[illegible]
Spoon, Spattle. P. N. Waldesbuehl. 2,634,497, [illegible]
Spotlight and flare for automotive vehicles. N. [illegible] mik. 2,641,752, June 9.
Spotlight, Double beam automotive. N. A. T[illegible] 2,640,912, June 2.
Spotlight having a single driving motor, Power [illegible] dirigible. J. H. Cone. 2,632,097, Mar. 17.
Spotlight sphere, Hollow revolving illumina[illegible] Marfisi. 2,629,044, Feb. 17.
Spot welder, Portable. A. O. Backen. 2,651,701[illegible]
Spot welding. T. Nelson. 2,635,167, Apr. 14.
Spotting board. F. H. Richterkessing. 2,637,19[illegible]
Spout and strainer, Combined. H. E. Plough. 2[illegible] July 14.
Spout assembly, Liquid delivery. S. E. S[illegible] 2,644,630, July 7.
Spout attachment, Pouring. G. E. Marrier. 2[illegible] Apr. 28.
Spout cap. J. L. Lay. 2,649,226, Aug. 18.
Spout cap for lighter fuel containers. H. [illegible] 2,644,608, July 7.
Spout, Collapsible pouring. C. W. Meyers. 2[illegible] June 9.
Spout for air-cleaning containers and means [illegible] ating it. P. R Fechheimer. 2,628,382, Feb.[illegible]
Spout for cartons, Pouring. M. Bord. 2,634,897[illegible]
Spout mechanism for filling machines. P. R. Fec[illegible] 2,645,247, July 14.
Spout structure, Swinging. F. J. and T. E.[illegible] 2,654,390, Oct. 6.
Spout, Tamper and seal proof flexible pouring[illegible] Rieke. 2,661,128, Dec. 1.
Sprag type clutch. D. E. Gamble. 2,624,436, Ja[illegible]
Sprag type clutch. M. Tibbetts. 2,638,195, May[illegible]
Sprag type clutch. R. C. Zeidler. 2,633,952, Ap[illegible]
Sprag type one-way clutch. A. Y. Dodge. [illegible] Mar. 17.
Spray apparatus. M. S. Robertson. 2,624,615, [illegible]
Spray apparatus for railroad rights of way. J. P[illegible] 2,657,091, Oct. 27.
Spray applicator. W. E. Boyce. 2,635,920, Apr[illegible]
Spray boom. A. W. Harz. 2,650,624, Nov. 17.
Spray carbonator assembly, Molecular. A. J. [illegible] Levine, M. Caminear, and S. S. Price. 2,639,[illegible] 26.
Spray control system for dishwashing machines. [illegible] 2,628,628, Feb. 17.
Spray cooled product and process. J. Ross. 2[illegible] May 12.
Spray cooling normally solid fatty acid hydro[illegible] H. D. Allen and C. J. Arrowsmith. 2,633,604, [illegible]

Spray device and temperature indicator, Combination bath. W. C. Baxter. 2,645,116, July 14.
Spray device, Flue-gas. J. Lipowitz. 2,643,105, June 23.
Spray device for liquids, thermoplastics, molten metal or the like. W. Kopperschmidt. 2,644,717, July 7.
Spray device, Motor operated. F. M. Duncan. 2,654,636, Oct. 6.
Spray device, Rechargeable pressure. T. T. Graham. 2,659,629, Nov. 17.
Spray dried vitamin A and D emulsion. J. C. Wallenmeyer, F. G. McDonald, and R. L. Henry. 2,650,895, Sept. 1.
Spray drying method and apparatus therefor. E. Klepetko and P. de B. Kaye. 2,636,555, Apr. 28.
Spray gun. W. P. Dalrymple. 2,626,188, Jan. 20.
Spray gun. E. E. King. 2,642,317, June 16.
Spray gun. I. S. Prescott. 2,640,726, June 2.
Spray gun. E. J. Sanders, J. A. Wiens, and E. J. McClave. 2,635,010, Apr. 14.
Spray gun, Low-pressure. A. Roche. 2,656,217, Oct. 20.
Spray gun, Sanitary. H. W. Beach. 2,659,628, Nov. 17.
Spray gun, Self-feeding. M. B. Deutsch. 2,635,921, Apr. 21.
Spray gun strainer. C. V. Lundeen. 2,641,365, June 9.
Spray gun valve. L. W. Lammiman. 2,626,122, Jan. 20.
Spray head, Hydrospin. J. S. Cockrell. 2,633,384, Mar. 31.
Spray machine, Duplex. D. P. Wright and R. H. Fish. 2,641,503, June 9.
Spray machine, Side delivery. D. P. Wright and R. H. Fish. 2,643,155, June 23.
Spray manifold for washing machines. C. A. Murdoch. 2,630,813, Mar. 10.
Spray, means for dishwashing apparatus, Oscillatable. J. B. Fullerton. 2,648,343, Aug. 11.
Spray nozzle. R. H. Munson. 2,629,632, Feb. 24.
Spray nozzle. D. Strahman. 2,657,098, Oct. 27.
Spray rig supporting frame for farm tractors. W. A. Mueller and A. R. and R. B. West. 2,647,794, Aug. 4.
Spray system, Roofing asphalt. K. C. Kelly. 2,645,524, July 14.
Spray unit for tractors. R. T. Spedding. 2,637,594, May 5.
Sprayer. L. Fletcher and W. Dickison. 2,639,192, May 19.
Sprayer. R. C. Hudson. 2,661,982, Dec. 8.
Sprayer, Centrifugal paint. B. L. Sommer. 2,648,568, Aug. 11.
Sprayer for chemical herbicides, Power. M. Valois. 2,641,505, June 9.
Sprayer for plants, Power-operated. W. S. McNair. 2,627,438, Feb. 3.
Sprayer, Liquid. E. W. Vose. 2,625,433, Jan. 13.
Sprayer, Liquid. E. W. Vose. 2,648,569, Aug. 11.
Sprayer nozzle. E. Kirschbaum. 2,624,624, Jan. 6.
Sprayer, Packaged power. J. H. Mueller. 2,625,431, Jan. 13.
Sprayer, Pressure. W. B. Kochner and O. Lamb. 2,631,891, Mar. 17.
Sprayer tank. L. L. Fletcher. 2,638,255, May 12.
Sprayer, Towed. C. S. Morrison. 2,657,949, Nov. 3.
Spraying apparatus. A. Marmor. 2,633,383, Mar. 31.
Spraying apparatus. J. H. Murphy. 2,634,165, Apr. 7.
Spraying apparatus, Anus. L. G. Trotter. 2,632,179, Mar. 24.
Spraying appliance. S. Cuadras. 2,651,544, Sept. 8.
Spraying device. A. S. Knapp. 2,628,130, Feb. 10.
Spraying device. H. D. North, Jr. 2,657,951, Nov. 3.
Spraying device, Aerosol paint. E. Rogers. 2,628,864, Feb. 17.
Spraying device, Electrical. F. Ziherl. 2,648,017, Aug. 4.
Spraying device with swivel nozzle. F. Ziherl. 2,647,796, Aug. 4.
Spraying equipment, Mobile. E. J. Lattner. 2,655,405, Oct. 13.
Spraying head. J. L. and J. W. Frye. 2,626,835, Jan. 27.
Spraying machine. K. R. Kurzbin. 2,661,242, Dec. 1.
Spraying machine, Agricultural. M. R. Robinson. 2,641,504, June 9.
Spraying machine, Orchard. R. H. Fish. 2,639,940, May 26.
Spraying machine, Plant. J. B. Kucera. 2,647,795, Aug. 4.
Spraying mechanism for livestock cars. J. M. Coyner. 2,652,024, Sept. 15.
Spreader for fertilizer, seeds, and the like having removable hopper bottom portion. E. S. Gandrud. 2,630,945, Mar. 10.
Spreader for milk can filling means. G. R. Duncan. 2,639,851, May 26.
Spreader panel bullet. J. E. Allen and W. H. Cantrell. 2,661,694, Dec. 8.
Spreader type applicator for liquid containers. D. R. Wiley. 2,624,901, Jan. 13.
Spreader with means to adjust the discharge therefrom. E. A. Juzwink. 2,634,029, Apr. 7.
Spreading attachment for lawn mowers. R. N. Kelly. 2,639,571, May 26.
Spring: *See*—
Adjustable belly spring.
Auxiliary steering arm stabilizer spring.
Constant compression spring.
Corset spring.
Fluid spring.
Mechanical spring.
Preformed zigzag spring.
Prestressed spring.
Seat back spring.
Seat bottom spring.
Seat spring.
Speed cup bias spring.
Vehicle spring.
Volute spring.
Wire spring.
Spring. H. H. Norman. 2,646,108, July 21.
Spring actuated sash balance. A. Colonna. 2,656,564, Oct. 27.
Spring anchor and pivot pin lock. T. D. Mantle. 2,635,928, Apr. 21.
Spring anchor nut, Expanding. J. W. Arnold. 2,649,830, Aug. 25.
Spring and air cushion seat. M. Stubnitz. 2,649,897, Aug. 25.
Spring and friction shock absorbing mechanism, Combined. H. W. Mulcahy. 2,664,288, Dec. 29.
Spring and hydraulic loading means for vehicles, Convertible. R. O. Bill. 2,644,696, July 7.
Spring and mattress, Combination box. E. E. Roher. 2,661,486, Dec. 8.
Spring and weight testing device. W. Richmond. 2,639,613, May 26.
Spring arc support. R. P. Cover. 2,650,817, Sept. 1.
Spring assembling machine. E. L. Bronstien and J. N. Woodington. 2,625,962–3, Jan. 20.
Spring assembly. J. Hess. 2,637,875, May 12.
Spring assembly. J. Hess. 2,659,929, Nov. 24.
Spring assembly for spring cushion construction. A. V. Handren, Jr. 2,659,417, Nov. 17.
Spring assembly, Leaf. H. T. Dow. 2,649,296–7, Aug. 18.
Spring assembly, Multiple-barrel power. M. Favret. 2,628,690, Feb. 17.
Spring biased actuator. G. W. Carlson. 2,639,139, May 19.
Springboard, Aluminum. J. M. Ulanovsky. 2,649,304, Aug. 18.
Springboard construction. S. R. Smith. 2,645,483, July 14.
Spring bushed chain. E. F. Riopelle. 2,655,816, Oct. 20.
Spring clamp. F. D. Ammen. 2,655,927, Oct. 20.
Spring clamp. A. D. Carpenter and J. A. Carpenter. 2,651,826, Sept. 15.
Spring claw intermittent movement. A. F. Hayek. 2,631,493, Mar. 17.
Spring clip for fastening papers. L. P. Ratti. 2,629,153, Feb. 24.
Spring clip holding means for initial tags. J. C. Lindquist. 2,631,282, Mar. 17.
Spring clips, Making. M. Schwartz. 2,631,359, Mar. 17.
Spring closed pivoted gate liquid loading valve. R. W. Hogard. 2,639,117, May 19.
Spring clutch type coupling. L. J. Moulton. 2,643,750, June 30.
Spring coil for cushions, mattresses, and the like. D. I. Levine. 2,641,758, June 9.
Spring coiling device. C. I. Johnson and J. A. Nord. 2,650,638, Sept. 1.
Spring connecting means for spring driven reels, Detachable. H. V. Griffitts. 2,645,432, July 14.
Spring construction. F. S. Laurie. 2,660,227, Nov. '24.
Spring construction. C. S. Reed. 2,642,125, June 16.
Spring construction, Automobile. R. J. Proske. 2,632,639, Mar. 24.
Spring construction, Coil. G. H. Bugenhagen. 2,631,840, Mar. 17.
Spring construction for furniture, Upholstered. R. C. Bateman and B. J. Schnitzer. 2,642,928, June 23.
Spring construction, Starter. J. C. Bandli. 2,659,454, Nov. 17.
Spring contact testing apparatus. H. S. Pike. 2,626,523, Jan. 27.
Spring control means, Hydraulic. G. W. Crabtree. 2,649,937–8, Aug. 25.
Spring controlling unit, Hydraulic. G. W. Crabtree. 2,649,936, Aug. 25.
Spring counterbalanced louver mechanism. E. A. Mader. 2,624,265, Jan. 6.
Spring counterbalancing means for the covers of cabinets. C. B. Ulrich. 2,639,053, May 19.
Spring counterforce, Rigidly mounted. L. S. Williams. 2,631,838, Mar. 17.
Spring cover. G. D. McCarthy and A. H. Edwards. 2,631,843, Mar. 17.
Spring dampener. J. L. Sjolander. 2,650,086, Aug. 25.
Spring device. W. J. Cook. 2,647,743, Aug. 4.
Spring device. J. K. Wood. 2,643,109, June 23.
Spring device, Adjustable overload. A. J. Alletto. 2,658,749, Nov. 10.
Spring device, Variable rate. M. Frenkel. 2,639,140, May 19.
Spring-finger diaphragm clutch. H. Porter. 2,630,897, Mar. 10.
Spring for automobile leaf springs, Auxiliary. F. Corey. 2,661,205, Dec. 1.
Spring for hinged cases. E. S. Irelan. 2,641,360, June 9.
Spring for motor vehicles, Leaf. B. Barényi. 2,654,597, Oct. 6.
Spring for urging outward the vanes of vane type hydrodynamic machines. W. Ferris. 2,632,398, Mar. 24.

Spring forming machine. H. H. Norman. 2,645,252, July 14.
Spring grip table. R. S. Sanford. 2,635,024, Apr. 14.
Spring group. J. E. Flesch. 2,656,179, Oct. 20.
Spring group. D. J. McCullough. 2,639,914, May 26.
Spring group assembly. J. E. Flesch. 2,657,039, Oct. 27.
Spring hinge, Counterbalancing. P. W. James and H. G. Reynolds. 2,641,795, June 16.
Spring jaw chuck, Adjustable. C. C. Lee. 2,654,611, Oct. 6.
Spring loaded pop-safety valve. R. W. Dayton. 2,643,671, June 30.
Spring loaded preloading mechanism for blade retention with increased stiffness. A. N. Allen, Jr. 2,628,687, Feb. 17.
Spring loaded safety valve. R. A. Tobis. 2,631,605, Mar. 17.
Spring loading machine. J. L. McInerney. 2,647,671, Aug. 4.
Spring lock. H. M. Piker. 2,656,206, Oct. 20.
Spring lock lamp holder. J. A. Wasselle. 2,653,784, Sept. 29.
Spring pocket filling machine. W. K. and J. M. McInerney. 2,663,475, Dec. 22.
Spring means. N. E. Wahlberg and G. V. Hedstrom. 2,646,275, July 21.
Spring mechanism for slack adjusters. G. B. Dorey. 2,646,141, July 21.
Spring motor assemblage for clockwork mechanisms. M. Van Valkenburgh. 2,662,612, Dec. 15.
Spring mounted chair seat. W. H. Moore. 2,633,897, Apr. 7.
Spring mounting of tractor drive wheels, Torsion. R. B. Hopkins. 2,650,668, Sept. 1.
Spring or gravity biased radial seal. C. A. Ballard. 2,650,074, Aug. 25.
Spring oscillating chair. F. T. Holmes. 2,625,205, Jan. 13.
Spring package. G. J. Christenson. 2,652,244, Sept. 15.
Spring-plate valve. J. Ferrari. 2,637,519, May 5.
Spring pressure device for planting attachments. W. P. Oehler and C. H. Youngberg. 2,649,725, Aug. 25.
Spring propelled toy vehicle. R. J. Poulin. 2,643,484, June 30.
Spring retainer ring. R. G. Stewart, Sr. 2,648,557, Aug. 11.
Spring sash balance. A. W. Anderberg. 2,644,193, July 7.
Spring shackle. W. E. Martin. 2,650,089, Aug. 25.
Spring strip for connecting springs into groups. H. Hopkes. 2,648,851, Aug. 18.
Spring structure. J. T. Clark. 2,638,896, May 19.
Spring structure. W. A. Clark. 2,638,153, May 12.
Spring structure, Auxiliary. R. L. Beason. 2,627,404, Feb. 3.
Spring structure, Cushion. W. A. Clark. 2,638,155, May 12.
Spring structure, Cushion. W. A. Clark. 2,662,588, Dec. 15.
Spring structure, Wire. W. H. Neely. 2,643,705, June 30.
Spring support attachment. A. H. Bennett. 2,654,100, Oct. 6.
Spring supporting clip. W. Engel. 2,652,885, Sept. 22.
Spring supporting strip having a top seating portion space above a bottom reinforcing portion. H. C. Flint. 2,629,431, Feb. 24.
Spring suspension assembly, Tractor front wheel. F. W. Winters. 2,639,165, May 19.
Spring suspension for dual axles for trucks. G. Keller. 2,633,204, Mar. 31.
Spring suspension for tandem axle trucks. A. F. Hickman. 2,663,570, Dec. 22.
Spring suspension for two-wheeled vehicles, Parallel twin-flex. W. M. Price. 2,641,483, June 9.
Spring suspension for vehicle trailers. W. C. Nabors. 2,655,388, Oct. 13.
Spring suspension system, Vehicle. L. Premoli. 2,658,748, Nov. 10.
Spring type clutch. H. R. Greenlee. 2,643,749, June 30.
Spring type one-way clutch. C. E. Swenson. 2,636,584, Apr. 28.
Spring type overload release clutch. R. P. Gutterman. 2,626,029, Jan. 20.
Spring valve jig. Y. Unal. 2,644,227, July 7.
Spring washer. C. S. Smith. 2,656,495, Oct. 20.
Spring winder. R. W. Palmer. 2,631,639, Mar. 17.
Spring yoke for valves. J. C. Hobbs. 2,634,945, Apr. 14.
Springing mechanism, especially for motor vehicles. F. K. H. Nallinger. 2,660,424, Nov. 24.
Springs for speed governors, Successively operated speeder. H. L. Bone. 2,631,025, Mar. 10.
Sprinkler. G. K. Ware and G. J. Filetz. 2,646,312, July 21.
Sprinkler apparatus, Portable off-the-ground. O. M. Freestone. 2,625,434, Jan. 13.
Sprinkler head. R. M. Edwards. 2,647,014, July 28.
Sprinkler head. C. Herron. 2,626,836, Jan. 27.
Sprinkler head. E. E. Johnson, Jr. 2,631,889, Mar. 17.
Sprinkler head. M. A. Valen. 2,648,570, Aug. 11.
Sprinkler head and nozzle. J. O. Hruby, Jr. 2,639,191, May 19.
Sprinkler head and system, Self-elevating. W. B. Glynn. 2,639,941, May 26.
Sprinkler head assembly. G. O. Double. 2,634,163, Apr. 7.
Sprinkler, Hydraulically operated. L. R. Swank. 2,643,643, June 30.
Sprinkler, Lawn. R. W. Cook. 2,631,060, Mar. 10.
Sprinkler, Rotating. J. M. Landry. 2,659,626, Nov. 17.
Sprinkler rotating spinner drive sand seal. H. F. Unger. 2,625,411, Jan. 13.
Sprinkler unit, Flexible. T. P. Duncan, Jr. 2,628,865, Feb. 17.
Sprinkling apparatus. J. O. Richard. 2,644,718, July 7.
Sprinkling device, Lawn. C. L. Nelson. 2,631,061, Mar. 10.
Sprinkling system. W. H. Coles. 2,625,428–9, Jan. 13.
Sprocket drive, Claw operated film-feed. T. G. Frederick. 2,633,773, Apr. 7.
Sprocket enclosing system. H. N. Fairbanks. 2,639,147, May 19.
Sprocket fastening means. H. F. Heidegger. 2,638,366, May 12.
Square assembly holder. S. Panske. 2,655,729, Oct. 20.
Square hole drilling bit. J. E. Lucas. 2,652,084, Sept. 15.
Square law force measuring device. F. L. Corbin. 2,629,259, Feb. 24.
Square wave generator. J. W. Gray. 2,653,242, Sept. 22.
Square with two-piece handle. H. M. Peeples. 2,635,342. Apr. 21.
Squaring device. I. A. Greenwood, Jr. 2,628,024, Feb. 10.
Squeegee, Air. A. Mayer. 2,648,089, Aug. 11.
Squelch circuit. G. K. Jensen and J. Benveniste. 2,638,543, May 12.
Squelch circuit. R. F. Smeltzer, R. B. Edwards, R. C. Baker, Jr., and S. D. Burton. 2,652,488, Sept. 15.
Squirrel call. G. L. Herter. 2,629,968, Mar. 3.
Stability of hydraulic turbine regulators. J. Daniel. 2,630,814, Mar. 10.
Stabilization of acrolein. H. L. Parry. 2,653,172, Sept. 22.
Stabilization of borax supersaturation in solutions. D. S. Taylor and G. A. Connell. 2,662,810, Dec. 15.
Stabilization of chlorinated paraffin wax. R. C. Danison. 2,631,125, Mar. 10.
Stabilization of chlorosulfonated polymers. R. E. Brooks and M. A. Smook. 2,658,883, Nov. 10.
Stabilization of fats and oils. B. W. Beadle and H. R. Kraybill. 2,648,608, Aug. 11.
Stabilization of fats and oils. J. B. Martin. 2,634,213, Apr. 7.
Stabilization of fats and oils with 2,5-dihydroxyphenyl dimethyl carbinol and related antioxidants. A. Bell and D. J. Shields. 2,639,288, May 19.
Stabilization of filament supply voltage. H. L. Schultz. 2,638,571, May 12.
Stabilization of glyceride oils. A. W. Schwab, C. D. Evans, and P. M. Cooney. 2,661,358, Dec. 1.
Stabilization of glyceride oils with carboxymethyl mercaptosuccinic acid. A. W. Schwab, P. M. Cooney, and C. D. Evans. 2,662,905, Dec. 15.
Stabilization of glyceride oils with oxydialkanoic acids. C. D. Evans, J. C. Cowan, and A. W. Schwab. 2,645,648, July 14.
Stabilization of glyceride oils with starch phosphates. J. C. Cowan and C. D. Evans. 2,626,951, Jan. 27.
Stabilization of halogenated compounds. S. D. Ross. 2,636,006, Apr. 21.
Stabilization of lipoidal substances. H. S. Olcott and T. W. Campbell. 2,652,332, Sept. 15.
Stabilization of organic compounds. J. A. Chenicek. 2,633,415, Mar. 31.
Stabilization of organic compounds. R. B. Thompson. 2,633,425, Mar. 31.
Stabilization of organic compounds. R. B. Thompson. 2,648,691, Aug. 11.
Stabilization of peracids. F. P. Greenspan and D. G. MacKellar. 2,663,621, Dec. 22.
Stabilization of phenol alkylates. D. R. Stevens and S. C. Camp. 2,656,311–12, Oct. 20.
Stabilization of photographic developers. H. D. Russell and G. M. Haist. 2,625,475, Jan. 13.
Stabilization of polyamides. G. S. Stamatoff. 2,630,421, Mar. 3.
Stabilization of polymerizable aromatic compounds. R. N. Haward and E. T. Borrows. 2,650,899, Sept. 1.
Stabilization of polysulfone resins with organic sulfides. W. W. Crouch and J. F. Howe. 2,643,241, June 23.
Stabilization of rayon cake size before centrifugal washing. W. R. O'Brien and G. R. Scantling. 2,647,040, July 28.
Stabilization of silicone rubber. R. R. Maneri. 2,658,882, Nov. 10.
Stabilization of soils. V. F. B. de Mello, E. A. Hauser, and T. W. Lambe. 2,651,619, Sept. 8.
Stabilization of sulfur dioxide-rubbery polymer products. J. M. Goppel. 2,647,887, Aug. 4.
Stabilization of synthetic rubber with new stannous complexes of aromatic amines. H. E. Albert. 2,632,754, Mar. 24.
Stabilized acrylonitrile polymers. R. J. Slocombe and G. L. Wesp. 2,661,343–5, Dec. 1.
Stabilized acrylonitrile polymers. G. L. Wesp and R. J. Slocombe. 2,661,346–7, Dec. 1.
Stabilized alumina pebbles. S. P. Robinson. 2,631,353, Mar. 17.

Stabilized apparatus for drilling curved bores deviating from existing vertical well bores. J. A. Zublin. 2,651,499, Sept. 8.
Stabilized aqueous fatty compositions. B. M. Watts and H. V. Moss. 2,629,664, Feb. 24.
Stabilized arc suppressing system for electronic devices using static components. C. C. Herskind. 2,657,335, Oct. 27.
Stabilized aromatic amines. A. L. Linch. 2,653,171, Sept. 22.
Stabilized aromatic amines. A. L. Linch. 2,664,445, Dec. 29.
Stabilized azine photographic developers containing sodium metaborate as the sole alkali. R. C. Gunther. 2,656,272, Oct. 20.
Stabilized azulene oil. S. Rath. 2,629,750, Feb. 24.
Stabilized citrus oil and producing the same. I. I. Rusoff and J. L. Common. 2,657,997, Nov. 3.
Stabilized compositions containing hydrogenated quinolines with oxidation inhibitors. A. R. Jones and J. O. Smith, Jr. 2,647,824, Aug. 4.
Stabilized compositions containing sulfurized esters of tall oil. S. P. Waugh. 2,631,131, Mar. 10.
Stabilized compositions of hydroxyphenylammonium halides. A. Stempel. 2,647,928, Aug. 4.
Stabilized crystal triode system. A. H. Reeves and C. D. White. 2,663,767, Dec. 22.
Stabilized diazonium salts, Making. W. H. von Glahn and H. A. Bergstrom. 2,628,959, Feb. 17.
Stabilized halogenated dielectric material. S. D. Ross. 2,636,074, Apr. 21.
Stabilized hydrocarbon fuel oils. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,656,259, Oct. 20.
Stabilized hydrocarbon fuel oils. H. G. Smith and T. L. Cantrell. 2,656,260, Oct. 20.
Stabilized lactic casein solutions. K. B. Danlioff. 2,662,026, Dec. 8.
Stabilized lithium base grease. R. A. Butcosk. 2,628,949, Feb. 17.
Stabilized milk products, Manufacture of. R. E. Meade. 2,627,463, Feb. 3.
Stabilized organic compositions. E. F. Hill and D. O. De Pree. 2,651,620–3, Sept. 8.
Stabilized oxo alcohols. W. F. Fischer. 2,658,923, Nov. 10.
Stabilized plastic compositions of chlorine-containing vinyl resins. W. F. Fischer and D. W. Young. 2,625,521, Jan. 13.
Stabilized plasticized polyvinyl compositions. M. K. Smith, 2,624,716, Jan. 6.
Stabilized pulse circuit. M. W. Horrell. 2,632,103, Mar. 17.
Stabilized reaction products of rubbery polymers with inorganic acidifying compounds. J. M. Goppel, G. E. Rumscheidt, and J. T. Hackmann. 2,654,679, Oct. 6.
Stabilized rubber adhesive compositions. P. W. Kinney. 2,645,674, July 14.
Stabilized sodium acid pyrophosphate of improved doughnut baking properties and producing same. F. E. Hubbard and F. H. Wright, Jr. 2,636,808, Apr. 28.
Stabilized solid organic compositions containing acyl-p-aminophenols. D. W. Young and D. L. Cottle. 2,654,722, Oct. 6.
Stabilized solutions of acrylonitrile polymers and stabilized solvent. T. E. Stanin, J. B. Dickey, and H. W. Coover. 2,642,408, June 16.
Stabilized stains comprising dioxane. L. Rudick 2,657,970, Nov. 3.
Stabilized starch derivatives. C. G. Caldwell and O. B. Wurzburg. 2,654,736, Oct. 6.
Stabilized suspension line. R. C. Baird. 2,659,913, Nov 24.
Stabilized synthetic rubber compositions containing 2,2-bis(2-hydroxy-3-T-butyl-5 methyl-phenyl)-propane. D. W. Young. 2,628,212, Feb. 10.
Stabilized television circuit. A. F. Giordano. 2,656,486, Oct. 20.
Stabilized vinylidene chloride compositions. A. F. Daglish and D. Faulkner. 2,659,709, Nov. 17.
Stabilized wax composition. D. W. Young and P. V. Smith, Jr. 2,625,491, Jan. 13.
Stabilized wax composition and making the same, Nonsweating. R. L. Lehman. 2,640,040, May 26.
Stabilizer and hydraulic pack-off Kelly joint, Combination. D. Ragland. 2,653,009, Sept. 22.
Stabilizer composition and stabilized vinyl resin. O. J. Grummitt, R. E. Blank, and D. Marsh. 2,654,718, Oct. 6.
Stabilizer device for vehicles. W. Ross. 2,633,368, Mar. 31.
Stabilizer for alternating current power transmission systems. E. F. W. Alexanderson and R. W. Kuenning. 2,644,898, July 7.
Stabilizer for drill collars and drill pipes. F. A. and F. L. Scott. 2,640,735, June 2.
Stabilizer for lower artificial dentures. W. W. Stascavage. 2,636,268, Apr. 28.
Stabilizer for overrunning thermostatic controls. H. A. Carlson and J. T. W. Moseley. 2,657,862, Nov. 3.
Stabilizer for residual oils. R. W. Sage and L. A. Jennings. 2,659,666, Nov. 17.
Stabilizer for spring-supported bodies. A. G. Talbert. 2,662,780, Dec. 15.
Stabilizer for strip approaching a shear, Pass-line. L. R. Partridge. 2,646,278, July 21.
Stabilizer, Overloading. R. Tuck. 2,631,873, Mar. 17.
Stabilizer, Piston. H. S. Lewis. 2,660,492, Nov. 24.
Stabilizers for rubber and synthetic polymers. W. F. Arey, Jr., and R. E. Wood. 2,650,208, Aug. 25.
Stabilizing acrylonitrile. J. F. Martino. 2,656,376, Oct. 20.
Stabilizing alkali metal and alkaline earth metal aluminum hydrides. R. W. Bragdon. 2,656,243, Oct. 20.
Stabilizing and purifying phenylacetaldehyde. D. C. Young. 2,649,462, Aug. 18.
Stabilizing and towing attachment for bicycles. R. H. Covington. 2,629,611, Feb. 24.
Stabilizing apparatus in aircraft. F. W. Meredith. 2,649,563, Aug. 18.
Stabilizing aqueous dispersions of haloethylene polymers. J. B. Hoertz. 2,662,867, Dec. 15.
Stabilizing catalytically cracked hydrocarbon distillates. B. R. Strickland and E. H. Lewis. 2,631,122, Mar. 10.
Stabilizing chrome ores of the transvaal type for refractory brick. R. P. Heuer. 2,656,280, Oct. 20.
Stabilizing device for vehicles and other purposes. G. O. Monnig. 2,650,107, Aug. 25.
Stabilizing foam forming on malt beverages and beverages stabilized therewith. A. B. Steiner. 2,659,675, Nov. 17.
Stabilizing hypochlorite solutions. R. C. Brandon. 2,662,858, Dec. 15.
Stabilizing means for cold cathode tube flip-flop circuits. C. R. Williams and G. E. Hagen. 2,638,564, May 12.
Stabilizing mechanism for rotary wing aircraft. E. A. Stalker. 2,624,531, Jan. 6.
Stabilizing polyester materials with phenyl substituted catechols. E. E. Parker. 2,643,985, June 30.
Stabilizing polymerized methyl vinyl ketone. I. Skeist and S. R. McFarlane. 2,626,943, Jan. 27.
Stabilizing raw gasoline. B. C. Barnes. 2,663,669, Dec. 22.
Stabilizing red phosphorus. G. F. Nordblom. 2,636,811, Apr. 28.
Stabilizing red phosphorus against oxidation. G. F. Nordblom and M. S. Silverstein. 2,664,344, Dec. 29.
Stabilizing red phosphorus against oxidation. M. S. Silverstein. 2,664,343, Dec. 29.
Stabilizing semiconductor material. W. C. Dunlap, Jr. 2,639,246, May 19.
Stabilizing soybean oil refined by solvent treatment. H. J. Passino. 2,664,431, Dec. 29.
Stabilizing tab. B. O. Howard. 2,656,132, Oct. 20.
Stabilizing vanadium containing fuel oils. T. C. G. Thorpe and E. M. Dodds. 2,631,929, Mar. 17.
Stabilizing welding arc. N. E. Anderson. 2,629,071, Feb. 17.
Stable aqueous hydrogen peroxide and preparing same. F. P. Greenspan. 2,624,655, Jan. 6.
Stable delay circuit. F. F. Slack. 2,656,462, Oct. 20.
Stable distillate fuels from cracked stocks, Preparation of. R. H. Brown. 2,626,208, Jan. 20.
Stable gutter cleaner. D. H. Miller. 2,630,907, Mar. 10.
Stable lead alkyl compositions and a method for preparing the same. G. Calingaert. 2,660,591–6, Nov. 24.
Stable liquid organosiloxanes. R. H. Bunnell. 2,624,749, Jan. 6.
Stable reference apparatus. W. G. Wing. 2,631,455, Mar. 17.
Stable vitamin B_{12}-containing composition. W. A. Winsten. 2,662,048, Dec. 8.
Stable water-soluble salts of sulfuric acid esters of leuco-anthraquinone azo-dyestuffs. K. Glenz. 2,647,112, July 28.
Stack clamp. J. G. Galik. 2,647,673, Aug. 4.
Stack construction, Totebox. L. W. Shea and M. J. Osborne. 2,652,174, Sept. 15.
Stack elevator for assembling apparatus. C. A. Nichols, L. E. Poole, D. G. Mahoney and M. D. McShurley. 2,635,876, Apr. 21.
Stack jogger. T. E. Brown. 2,661,950, Dec. 8.
Stack of racks of different sizes and adapter therefor. T. Shaw. 2,635,762, Apr. 21.
Stack support for sheet feeders. H. F. Bruns. 2,652,249, Sept. 15.
Stackable storage container. W. H. Wickson. 2,635,786, Apr. 21.
Stacker and unstacker, Can. R. M. Botley. 2,659,495–6, Nov. 17.
Stacker, Material. S. M. Mercier. 2,632,558, Mar. 24.
Stacker mechanism. T. B. Dalton. 2,648,181, Aug. 11.
Stacking and conveying apparatus. J. W. and R. J. Fay. 2,661,103, Dec. 1.
Stacking and elevating device. H. R. Coon, Sr., and E. J. Rapp. 2,646,898, July 28.
Stacking device, Lumber. T. N. Melin. 2,658,630, Nov. 10.
Stacking machine. R. L. Griffin. 2,634,001, Apr. 7.
Stacking machine, Ticket. R. I. N. Weingart. 2,653,759, Sept. 29.
Stacking machine, Tray. W. G. Trigwell. 2,661,102, Dec. 1.
Stacking mechanism, Magnetic. R. T. Chatterton. 2,640,605, June 2.
Stacking pole, Peanut vine. J. M. Miller. 2,644,460, July 7.
Stage for microscopes, Mechanical. W. A. Gunther. 2,655,078, Oct. 13.

Stager and guide. W. F. Ward. 2,655,113, Oct. 13.
Stain filler combination for wood. J. W. Mayers. 2,632,710, Mar. 24.
Stain filler compositions and pigmented fillers therefor. G. L. Deniston. 2,628,206, Feb. 10.
Stain filler compositions and pigmented fillers therefor. G. L. Deniston. 2,635,087, Apr. 14.
Stain filler sealer. G. L. Deniston and O. W. Berglund. 2,628,947, Feb. 17.
Staining embossing plates. H. M. Gadberry and E. Peterson. 2,639,226, May 19.
Staining glass and glass staining composition. O. S. Levi. 2,662,036–7, Dec. 8.
Staining glass, glass staining compositions, and stained glass article. O. S. Levi. 2,662,035, Dec. 8.
Stairway, Disappearing. E. P. Garner. 2,631,771, Mar. 17.
Stairway for corn pickers. H. Skreberg. 2,634,989, Apr. 14.
Stairway, Moving. H. E. Hansen. 2,649,181, Aug. 18.
Stairway, Moving. S. G. Margles and A. Fabula. 2,663,400, Dec. 22.
Stairway, Moving. W. F. Masek. 2,656,031, Oct. 20.
Stairway, Moving. R. C. Riley. 2,641,351, June 9.
Stake body. B. F. Leber. 2,646,310, July 21.
Stake pointer. C. D. and L. I. Skates. 2,637,356, May 5.
Stake rack latch. G. R. Jewell. 2,638,375, May 12.
Staking machine, Selective. C. R. Campbell, Jr. 2,646,676, July 28.
Stalk cutter. J. P. Craft. 2,631,419, Mar. 17.
Stalk cutter. E. B. Pollard and T. J. Borchardt. 2,632,988, Mar. 31.
Stalk cutter and shredder. H. V. Bannister. 2,633,687, Apr. 7.
Stalk cutting device. J. B. Jarmin. 2,634,568, Apr. 14.
Stall cock for milking machines. C. J. Strebel. 2,636,518, Apr. 28.
Stall structure, Cow. H. J. Merrill. 2,642,037, June 16.
Stamp applying machine. F. Gehring. 2,642,200, June 16.
Stamp, Decorating. R. J. Riley. 2,631,536, Mar. 17.
Stamp device, Printing. G. T. Brown, Jr. 2,633,799, Apr. 7.
Stamp for marking metal slabs or the like, Hand. L. H. Fenstermaker. 2,661,681, Dec. 8.
Stamp, Hand. P. A. MacPhee and G. T. Brown, Jr. 2,638,049, May 12.
Stamp, Hand. R. R. Robinson. 2,647,461, Aug. 4.
Stamp holder for embossing dies. H. C. Rickenbach. 2,655,099, Oct. 13.
Stamp layout device. A. Palin. 2,646,626, July 28.
Stamp roll feeding mechanism. C. M. Gottschau. 2,663,565, Dec. 22.
Stamped metal vehicle wheel. H. J. Horn. 2,625,438, Jan. 13.
Stamping apparatus for frangible articles. J. S. Campbell, W. Brown, and G. A. Douglas. 2,641,179, June 9.
Stamping machine. R. G. Winn. 2,648,453, Aug. 11.
Stamping system, Electric. W. E. Phipps. 2,654,312, Oct. 6.
Stanchion, Cattle shipper's. J. A. Ne Casek. 2,641,222, June 9.
Stanchion for domestic animals. D. E. Ogden. 2,648,308, Aug. 11.
Stand: *See*—
Adjustable plate stand.
Adjustable punching bag stand.
Adjustable support stand.
Animator's stand.
Barber's clippers stand.
Bass violin folding stand.
Christmas tree stand.
Collapsible display and lecture stand.
Collapsible stand.
Container stand.
Continuous check stand.
Dental equipment stand.
Display stand.
Electric lamp stand.
Fishing stand.
Gameboard stand.
Gold bag holding stand.
Hod stand.
Ironing stand.
Missal stand.
Night stand.
Oil recovery stand.
Outboard motor stand.
Packing stand.
Picture screen stand.
Portable music stand.
Portable stand.
Posting stand.
Reel stand.
Roll stand.
Servo loading stand.
Shoeshine stand.
Trailer stand.
Wrist watch stand.
Stand, M. J. Mayzel. 2,634,075, Apr. 7.
Stand and article support, Smoking. B. Miller. 2,636,632, Apr. 28.
Stand and bassinet combination. M. E. Heyward. 2,654,098, Oct. 6.
Stand and beverage dispenser, Combination serving. G. W. Klenk. 2,649,997, Aug. 25.
Stand and holder for jacks. C. H. Lovik. 2,646,957, July 28.
Stand and tray, Folding. W. C. Baxter. 2,644,590, July 7.
Stand for dress forms and the like. R. F. Palmer. 2,644,620, July 7.
Stand for flatirons. F. Grosse. 2,658,708, Nov. 10.
Stand for flatirons, Retractable. F. E. Finlayson. 2,644,256, July 7.
Stand for holding Venetian blinds. O. Britton. 2,634,450, Apr. 14.
Stand for linoleum rolls, Safety. M. W. Hutten and F. S. Mone. 2,646,174, July 21.
Stand for parts containers, Rotary. H. B. Alexander. 2,662,644, Dec. 15.
Stand for pressing irons. C. R. Tonks. 2,657,000,
Stand for rug hooking or embroidery hoops or Adjustable. E. M. Johnson. 2,655,335, Oct. 1
Stand for sheet music or the like. R. G. Bode. 2, Apr. 14.
Stand for steam irons, Safety. E. M. Taylor. 2, Oct. 13.
Stand for travel irons. W. R. Weeks. 2,658,293,
Stand suitable for hosiery and underwear link seaming machines, Supporting. F. R. 2,648,227, Aug. 11.
Stannous complexes and their prepartion. H. E. 2,626,954, Jan. 27.
Staple. J. A. Thiel. 2,632,356, Mar. 24.
Staple cutter and method. R. W. Peterson. 2, July 21.
Staple driver guide for staple driving impleme movable. L. J. Dugin. 2,645,773, July 21.
Staple extractor. H. W. Marano. 2,638,313,
Staple extractor. H. L. Nellsen. 2,631,816, Mar
Staple feed mechanism for portable pneumatic A. G. Juilfs. Re. 23,756, Dec. 22.
Staple fiber cutter. W. R. Schmitz, Jr. 2,631,6 17.
Staple fiber products, Manufacture of. W. I. 2,641,027, June 9.
Staple for attaching buttons. R. Feiner. 2, Jan. 6.
Staple forming and driving machine. G. H 2,635,234, Apr. 21.
Staple forming machine. P. E. Seibel. 2,634,576,
Staple glass fibers, Method and apparatus for pr H. A. Toulmin, Jr. 2,635,285, Apr. 21.
Staple having deflecting points. H. S. Heller. 2, June 9.
Staple remover. W. G. Pankonin. 2,624,545, Jan
Staple remover. J. A. Yerkes. 2,662,727, Dec.
Staple support for stapling machines. A. A. vieren. 2,627,601, Feb. 10.
Staple support slide and feed means for stapling m H. W. Marano. 2,637,029, May 5.
Staple support slide and feed means for stapling m S. Segal. 2,654,087, Oct. 6.
Staple tacker, Hand type. F. S. Boroughs. 2, Nov. 17.
Stapler actuator, Electrically operable. J. 2,656,537, Oct. 27.
Stapler, Desk. C. E. Nyberg. 2,624,046, Jan. 6.
Stapler, Desk. W. J. and R. B. Vail, L. R. De L. J. Dugin, and C. E. Nyberg. 2,651,034; Sept
Stapler, Electrical. T. M. Sasser. 2,651,775, S
Stapler, Hammer. W. R. Beckman and C. E. 2,653,316, Sept. 29.
Stapler, Hammer type. M. Abrams. 2,661,999, D
Stapler, Plier type. F. S. Boroughs. 2,633,571,
Stapler, Table type. F. S. Boroughs. 2,625,681,
Stapling device. F. R. Curtiss. 2,660,725, Dec.
Stapling device. J. Leibowitz. 2,652,563, Sept.
Stapling machine. R. J. Beecroft. 2,632,889, Ma
Stapling machine. T. J. Finn. 2,625,680, Jan.
Stapling machine. H. W. Marano. 2,624,878,
Stapling machine. W. G. Pankonin. 2,658,197,
Stapling machine. H. J. Spencer. 2,654,088, Oc
Stapling machine, Automatic. R. M. Nardone. 2, Sept. 1.
Stapling machine, Hammen type. W. R. Beckma Schlike, and C. E. Crooks. 2,653,317, Sept. 29.
Stapling machine with guiding element. G. E. and W. R. Young. 2,637,030, May 5.
Stapling mechanism. J. Cristiano. 2,625,682,
Starch cooking apparatus and method. F. H. 2,633,436, Mar. 31.
Starch tray feeding machine. H. A. Currie. 2, Apr. 21.
Starter and ignition switch, Combined. R. W 2,630,502, Mar. 3.
Starter and ignition switch, Combined. N. H. 2,654,005, Sept. 29.
Starter control system. L. C. Dermond and E. A 2,643,347, June 23.
Starter drive, Hydraulic. A. C. Jenny. 2,653,57 29.
Starter for electric motors, Automatic. B. Ant 2,627,595, Feb. 3.
Starter for fluorescent lamps. I. S. Jacobsen. 2, Apr. 21.
Starter for induction motors, Automatic. J. A. 2,647,231, July 28.
Starter for internal-combustion engines. L. H. 2,656,829, Oct. 27.
Starter for internal-combustion engines. W. F 2,625,923, Jan. 20.
Starter for internal-combustion engines, Automatic Wolf. 2,663,804, Dec. 22.
Starter for small internal-combustion engines, Demitz. 2,625,143, Jan. 13.
Starter jaw advancing mechanism. H. Troeger. 2, June 2.
Starter motor-driven hydraulic pump. J. B. 2,645,183, July 14.
Starting and generating system. W. J. Rady. 2, June 23.

Starting and rotor positioning apparatus for sync pulse-controlled synchronous motors. W. J. Harshbarger. 2,634,388, Apr. 7.
Starting and switching control apparatus for facsimile recorders. K. R. McConnell and P. R. Marzan. 2,640,874, June 2.
Starting device. E. J. Smith. 2,655,047, Oct. 13.
Starting device for compressor-turbine units. A. V. D. Willgoos. 2,652,685, Sept. 22.
Starting device for internal-combustion engines, Compression relieving. J. C. Sionneger. 2,648,321, Aug. 11.
Starting device, Race horse. W. E. Giese. 2,660,980, Dec. 1.
Starting-generating and ignition system for vehicles with automatic cutoff switches. R. Morrissette. 2,627,037, Jan. 27.
Starting low-temperature isoolefin polymerization after solvent cleaning the reactor. R. F. Howe and F. A. L. Holloway. 2,636,025, Apr. 21.
Starting strip connection for discharge lamps. W. Elenbaas, D. Kolkman, and A. A. Hurx. 2,663,823, Dec. 22.
Starting system for free-piston units. D. E. Meitzler. 2,638,266, May 12.
Starting system for gas turbine engines, using multiple fuel pumps. F. H. Carey. 2,640,318, June 2.
Starting system for internal-combustion engines, Hydraulic. R. E. Grier. 2,628,476, Feb. 17.
Starting unit, more particularly for internal-combustion engines, and operating same. A. L. Vintenon. 2,662,986, Dec. 15.
Static conductivity measuring device. J. B. Collins. 2,626,982, Jan. 27.
Static discharge apparatus, Electronic. A. J. Check. 2,647,223, July 28.
Station registration in centralized traffic control system for railroads. N. B. Coley. 2,626,383, Jan. 20.
Station selector and recording system for radio service. L. E. Philipps. 2,656,522, Oct. 20.
Stationary induction apparatus. O. Kiltie. 2,653,280, Sept. 22.
Statistical machine. A. Thomas. 2,636,675, Apr. 28.
Statistical machine. A. Thomas and F. S. Rhodes. 2,633,239, Mar. 31.
Stator construction for motors and generators. E. J. Kaczor and C. F. Schwan. 2,648,021, Aug. 4.
Stator for multistage axial compressors. F. W. W. Morley and W. H. Wilkinson. 2,645,413, July 14.
Stator member for dynamoelectric machines. H. A. Schultz. 2,627,584, Feb. 3.
Stator winding machine. R. O. Scofield and H. C. Schryver. 2,624,518, Jan. 6.
Stay in gear. R. H. Watson. 2,660,903, Dec. 1.
Stay-log structure for veneer lathes. J. T. Mengel. 2,633,882, Apr. 7.
Stay tape. J. E. Boulware and W. H. Cannard. 2,636,835, Apr. 28.
Steady-rest centering gauge. R. Post. 2,659,156, Nov. 17.
Steam and dry flatiron. J. H. Cone. 2,659,989, Nov. 24.
Steam and temperature control for steam irons, Unitary. D. L. McFarland and W. E. Moore. 2,655,746, Oct. 20.
Steam attachment for flatirons. J. N. Polivka and M. H. Graham. 2,634,524, Apr. 14.
Steam bath. L. A. Pessina. 2,624,887, Jan. 13.
Steam chest for sealing machines. W. L. Brown and A. B. Foye. 2,628,757, Feb. 17.
Steam cleaning apparatus. W. H. Gelles and J. P. Miller. 2,624,618, Jan. 6.
Steam distillation. R. W. Heath. 2,640,018, May 26.
Steam engine slide valve control device. A. McMillan. 2,625,137, Jan. 13.
Steam finisher for fabrics. C. W. Roberts. 2,637,125, May 5.
Steam finishing board. F. H. Richterkessing and W. M. Cissell. 2,658,370, Nov. 10.
Steam generating system for vehicles. R. Williams. 2,656,822, Oct. 27.
Steam generating tubular water wall. E. C. Chapman. 2,660,155, Nov. 24.
Steam generator. E. G. Bailey and R. M. Hardgrove. 2,636,483–4, Apr. 28.
Steam generator. C. H. Carley. 2,662,506, Dec. 15.
Steam generator. R. L. Harris and M. Lothrop. 2,645,210, July 14.
Steam generator. J. F. Harvey. 2,630,104, Mar. 3.
Steam generator. C. W. Miller. 2,630,790, Mar. 10.
Steam generator. W. A. Ray. 2,656,824, Oct. 27.
Steam generator. J. Van Brunt. 2,628,598, Feb. 17.
Steam generator. R. R. Waterman. 2,632,672, Mar. 24.
Steam iron. S. R. Bricker. 2,663,100, Dec. 22.
Steam iron. A. A. Johnson. 2,654,167, Oct. 6.
Steam iron. A. A. Johnson. 2,662,316, Dec. 15.
Steam iron. M. McGraw. 2,634,526, Apr. 14.
Steam iron. R. J. Scott and N. M. Rusko. 2,648,148, Aug. 11.
Steam pressure control for direct-contact heaters operating on variable pressure steam. W. P. Spining. 2,636,721, Apr. 28.
Steam purifier. G. A. Rehm. 2,655,905, Oct. 20.
Steam reheater. J. H. Stelling. 2,643,862, June 30.
Steam trap and air vent valve therefor. H. J. C. Wells. 2,634,744, Apr. 14.
Steaming and pressing apparatus. L. Reichold. 2,661,552, Dec. 8.
Steaming apparatus. E. V. Quinn. 2,638,765, May 19.
Steaming, forming, finishing, and restoring garment pockets, Method of and an apparatus for. R. W. Davis 2,642,209, June 16.
Steel alloy. R. L. Baldwin. 2,634,206, Apr. 7.
Steel and die casting cleaning process, Combination. J. A. Thomas. 2,653,883, Sept. 29.
Steel barrel. E. F. Lee. 2,624,486, Jan. 6.
Steel, Cast tool. R. D. Ahles. 2,662,010, Dec. 8.
Steel for high-temperature service, High strength. P. Payson and J. G. Y. Chow. 2,648,602, Aug. 11.
Steel for high-temperature use. C. L. Clark. 2,645,574, July 14.
Steel hatch cover. R. and J. MacGregor. 2,641,214, June 9.
Steel, High-temperature. D. I. Brown. 2,631,096, Mar. 10.
Steel of high yield strength, Low alloy. P. Payson and A. E. Nehrenberg. 2,634,205, Apr. 7.
Steel piston ring. H. M. Olson. 2,636,792, Apr. 28.
Steel waler and clamping means. C. I. Williams. 2,631,352, Mar. 17.
Steel wheel. R. H. McElroy. 2,661,980, Dec. 8.
Steel wool packet. L. R. Hagen. 2,650,703, Sept. 1.
Steels and alloys for rolling, Preparing. W. O. Binder. 2,637,667, May 5.
Steering actuated by cable means, Four-wheel. W. Isaac. 2,628,848, Feb. 17.
Steering aircraft with rotary wings, Means for. F. Maillard, A. Laville, and J. Cantinieau. 2,644,533, July 7.
Steering and braking mechanism for trenchers. R. N. Bennett. 2,641,343, June 9.
Steering and centering means for trailer wheels, Power. C. H. Brown. 2,646,850, July 28.
Steering apparatus, Automatic. R. J. Kutzler. 2,647,233, July 28.
Steering apparatus, Automatic. R. J. Kutzler and D. G. Taylor. 2,646,947, July 28.
Steering apparatus for vehicles, Sharp turn. E. M. McElhinney and T. A. Podhajsky. 2,631,045, Mar. 10.
Steering apparatus, Vehicle short turn. D. C. and W. D. Chambers. 2,646,291, July 21.
Steering arm and ball joint assembly. J. H. Booth. 2,640,713, June 2.
Steering assembly for tandem wheel vehicles. D. H. Spangler. 2,638,355, May 12.
Steering by driving interlocked with manual steering. R. Lapsley and G. L. Turner. 2,651,377, Sept. 8.
Steering, clutch, and throttle control, Combination. G. L. Turner and R. Lapsley. 2,645,296, July 14.
Steering column brake. W. H. Kemp. 2,648,993, Aug. 18.
Steering control for outboard motors. J. H. Schroeder. 2,627,833, Feb. 10.
Steering device for farm wagons. A. J. Eubanks. 2,651,526, Sept. 8.
Steering device for trailers. C. A. Henry. 2,659,611, Nov. 17.
Steering device, Marine. W. L. Jones. 2,631,559, Mar. 17.
Steering gear. W. K. Creson, P. A. Newman, and M. W. Berghoff. 2,656,734, Oct. 27.
Steering gear. L. E. Oberholtz and G. Allen. 2,659,613, Nov. 17.
Steering gear. F. K. H. Nallinger. 2,654,265, Oct. 6.
Steering gear mounting for juvenile vehicles. A. P. Douglas and L. J. Walters. 2,660,448, Nov. 24.
Steering knuckle. J. H. Booth and A. W. Gair. 2,637,568, May 5.
Steering knuckle. J. H. Booth and A. W. Gair. 2,652,265, Sept. 15.
Steering knuckle. J. H. Booth and E. C. Warner. 2,652,264, Sept. 15.
Steering knuckle and tie rod connection. O. S. French. 2,650,106, Aug. 25.
Steering knuckle construction. R. C. Hoffman. 2,631,865, Mar. 17.
Steering linkage connection, Resilient. J. Latzen. 2,660,901, Dec. 1.
Steering mechanism. T. K. Frystak. 2,655,328, Oct. 13.
Steering mechanism, Automatic. R. C. Alderson. 2,626,114, Jan. 20.
Steering mechanism, Automatic. R. J. Kutzler. 2,659,041, Nov. 10.
Steering mechanism for aircraft, Hydraulically controlled. H. B. Schultz. 2,631,795, Mar. 17.
Steering mechanism for motor vehicles. R. A. Railton. 2,638,014, May 12.
Steering mechanism for motor vehicles and the like. K. Rabe. 2,644,341, July 7.
Steering mechanism for rotary mowers. R. E. Church. 2,659,445, Nov. 17.
Steering mechanism, Hydraulic. E. A. Puerner. 2,640,322, June 2.
Steering mechanism, Hydraulic power. H. W. Rockwell. 2,638,998, May 19.
Steering mechanism, Trailer. I. H. Shaffer. 2,631,043, Mar. 10.
Steering system, Automatic. C. H. Bolin. 2,641,213, June 9.
Steering system, Automatic. A. M. MacCallum. 2,642,554, June 16.
Steering system, Automatic. N. B. Murphy. 2,659,554, Nov. 17.
Steering system, Automatic. J. C. Owen and A. M. MacCallum. 2,636,698, Apr. 28.

Steering system for aircraft, Nose wheel. H. P. Kupiec and E. G. Gravenhorst. 2,657,883, Nov. 3.
Steering system for guided missiles, 400 cycle electrohydraulic. J. H. Broadbent and H. E. Ober. 2,644,124, June 30.
Steering system with displacement limiting means, Automatic. J. F. Hollister. 2,662,207, Dec. 8.
Steering vane, Stabilizing. H. E. Hollmann. 2,640,453, June 2.
Steering wheel clamp for automobiles. E. W. Holmes, Jr. 2,625,837, Jan. 20.
Steering wheel mounted holder. T. Wolfe. 2,661,222, Dec. 1.
Stem and closure member connection. J. Trefil. 2,654,561, Oct. 6.
Stemming machine, Blossom. C. M. Andersen. 2,658,536, Nov. 10.
Stencil clamping device for duplicating machines. J. W. Linsley, Jr. 2,655,866, Oct. 20.
Stencil-moistening and stencil-blotting apparatus, Combined. H. P. Elliott. 2,657,663, Nov. 3.
Stencil pad unit, Hand use. F. R. Wallich. 2,651,255, Sept. 8.
Stencil recording blank and preparation. H. R. Dalton. 2,664,043, Dec. 29.
Stenciling apparatus. H. A. Gattuso. 2,629,321, Feb. 24.
Stenciling machine. R. G. Fordyce. 2,662,470, Dec. 15.
Step adjusting separable fastener. C. Schneider. 2,640,239, June 2.
Step assembly for house trailers, Foldable. C. G. and W. R. Branstrator. 2,645,504, July 14.
Step attenuator switch. J. E. Stankey. 2,660,626, Nov. 24.
Stepback mechanism for dictating machine playback arms. D. F. Balmer. 2,637,562, May 5.
Step-by-step electric motor. W. Lohs and F. Sommer. 2,654,846, Oct. 6.
Step device for playground equipment. R. J. Hoy. 2,643,809, June 30.
Step for beds, Safety. W. A. Hillenbrand and F. J. Burst. 2,644,961, July 14.
Stepladder. L. E. Bronson. 2,662,680, Dec. 15.
Stepladder. H. Harrison. 2,650,014, Aug. 25.
Stepladder. G. E. Loucks. 2,652,184, Sept. 15.
Stepladder. H. McAlister. 2,643,808, June 30.
Stepladder. J. M. Renfro. 2,643,045, June 23.
Stepladder and base therefor. V. W. Bortel. 2,634,037, Apr. 7.
Stepladder having safety supporting bar. A. L. White. 2,656,088, Oct. 20.
Stepladder, Multiplatform. C. F. Hansen. 2,652,967, Sept. 22.
Step turner. P. A. Montanus and C. E. Kraus. 2,632,353, Mar. 24.
Step-up mechanism. M. J. Binks and A. A. Samolis. 2,638,789, May 19.
Stepped edge cutting tool. P. A. Letien. 2,646,701, July 28.
Stepping motor. S. Hansen. 2,627,040, Jan. 27.
Stereophotogrammetric restorer. V. D. Grondona. 2,647,318, Aug. 4.
Stereoscope, Illuminated. J. E. Gaulke. 2,660,921, Dec. 1.
Stereoscopic attachment for use with cameras. F. F. Baker. 2,627,201, Feb. 3.
Stereoscopic object location system using radar technique. C. C. Cutler. 2,637,025, Apr. 28.
Stereoscopic pictures, Making. J. A. Ogle. 2,652,326, Sept. 15.
Stereoscopic plotter. N. B. Platt. 2,636,416, Apr. 28.
Stereoscopic projection apparatus. G. Correa. 2,653,511, Sept. 29.
Stereoscopic recomposing and measuring, Method of and apparatus for. W. M. Powell and H. P. Hernandez, Jr. 2,635,339, Apr. 21.
Stereoscopic viewer. G. Welborn. 2,627,781, Feb. 10.
Stereoscopic viewer. J. C. Wiese. 2,649,837, Aug. 25.
Stereoscopic viewing device. J. N. Williams. 2,643,577–8, June 30.
Stereoscopic viewing method and apparatus. M. P. Rehorn. 2,631,496, Mar. 17.
Stereotype molding. W. Baumrucker, Jr. 2,663,251, Dec. 22.
Stereotype plate clamp. A. Dressel and A. J. Albrecht. 2,645,177, July 14.
Stereotype plate finishing machine. C. L. Ricards, L. Tornberg, and P. L. Tollison. 2,626,541, Jan. 27.
P. L. Tollison. 2,626,541, Jan. 27.
Sterile brush dispenser. J. Petrecca. 2,661,991, Dec. 8.
Sterilization of starch sponge. M. M. MacMasters. 2,635,943, Apr. 21.
Sterilized toothbrush container. H. H. Warner and F. J. Lyons. 2,630,912, Mar. 10.
Sterilizer. A. T. and T. A. Hashem. 2,637,077, May 5.
Sterilizer. J. B. Pentz. 2,648,108, Aug. 11.
Sterilizer, Fluid. F. W. Whitlock. 2,648,774, Aug. 11.
Sterilizer, Plant bed. H. J. Morgan. 2,625,123, Jan. 13.
Sterilizing air. H. B. Morris and C. B. Meuser. 2,640,753, June 2.
Sterilizing apparatus and method. I. R. Lewis and D. M. McBean. 2,645,557, July 14.
Sterilizing device, Grain. H. R. Klink. 2,637,624, May 5.
Sterilizing glass containers. C. O. Ball. 2,660,513, Nov. 24.
Sterilizing methods. J. J. Perkins. 2,628,887, Feb. 17.
Sterilizing water heater. H. D. Sterick. 2,633,108, Mar. 31.
Steroid-aldehyde cyanohydrins. R. H. Levin, A. V. McIntosh, Jr., and A. P. Centolella. 2,625,545, Jan. 13.
Steroid cyanohydrins. G. Slomp, Jr. 2,655,517, Oct. 13.
Steroid halonitriles. F. W. Hayl and M. E. Herr. 2,654,765, Oct. 6.
Steroid ketone adducts. P. E. Marlatt, A. R. Hanze, A. V. McIntosh, Jr., and R. H. Levin. 2,655,500, Oct. 13.
Steroid oxidation. W. J. Haines and D. R. Colingsworth. 2,649,401, Aug. 18.
Steroid-17-carboxylic acids, Preparation of. A. Wettstein and C. Meystre. 2,637,735, May 5.
Steroids. H. C. Murray and D. H. Peterson. 2,649,400, Aug. 18.
Steroids. H. C. Murray and D. H. Peterson. 2,649,402, Aug. 18.
Steroids and preparing the same. R. P. Graber and N. L. Wendler. 2,656,367, Oct. 20.
Steroids having a 17-positioned semicyclic double bond. K. R. Miescher, A. Wettstein, and J. Schmidlin. 2,656,348, Oct. 20.
Stethoscope with means for regulating the tone and pitch. J. Brandenburg. 2,651,380, Sept. 8.
Stick and brush combination, Fabric cleaning. W. F. Hamilton. 2,637,868, May 12.
Stick force producer and gust control. T. A. Feeney. 2,630,284, Mar. 3.
Stick-holding device. D. Glazer. 2,626,830, Jan. 27.
Sticking together resin-impregnated cellulosic sheets. E. S. Hole. 2,648,620, Aug. 11.
Stiffening element for body-supporting garments, Flexible. C. Bachmann. 2,637,041, May 5.
Stilbene from benzyl mercaptan. L. A. Mattano. 2,645,671, July 14.
Stileless screen mounting. W. B. Ewing. 2,632,507, Mar. 24.
Stilts, Adjustable. R. P. and E. E. Skaggs. 2,659,087, Nov. 17.
Stirrer, Cheese. C. F. Krucker. 2,630,303, Mar. 3.
Stirrer for high-pressure contactors, Electromagnetic. W. E. Kuentzel. 2,661,938, Dec. 8.
Stirrer, Paint. W. C. Gray. 2,659,581, Nov. 17.
Stirring device, Fluid. M. Silver. 2,661,193, Dec. 1.
Stirrup for riding saddles, Adjustable. H. J. Elle. 2,655,778, Oct. 20.
Stirrup, Safety. T. C. Evans. 2,641,883, June 16.
Stitch adjusting means, Zig-zag. G. Amman. 2,664,058, Dec. 29.
Stitch retainer, Accidentally dropped knitted. W. Henderson. 2,651,928, Sept. 15.
Stitch separating machine. C. W. Baker. 2,642,595, June 23.
Stitched case. E. M. Goetz. 2,661,823, Dec. 8.
Stitching attachment for sewing machines, Ornamental. J. P. Enos. 2,655,119, Oct. 13.
Stitching mechanism for joining cords or the like with a fabric. L. Brumberger. 2,648,304, Aug. 11.
Stitching mechanism, Multiple needle. V. J. Sigoda. 2,637,290, May 5.
Stock chute and endgate. H. G. Troth and F. G. Dammann. 2,626,182, Jan. 20.
Stock condition indicator. J. R. Conley. 2,630,096, Mar. 3.
Stock distributing system. T. S. Skillman. 2,627,941, Feb. 10.
Stock feed mechanism. G. O. Gridley. 2,626,451–2, Jan. 27.
Stock-feed mechanism. D. H. Montgomery. 2,626,449, Jan. 27.
Stock feed mechanism. W. B. Retz. 2,656,859, Oct. 27.
Stock feed mechanism for bar machines. A. H. Jobert. 2,659,127, Nov. 17.
Stock feeder. O. D. Duke. 2,651,291, Sept. 8.
Stock feeder. G. L. Kitson. 2,640,463, June 2.
Stock feeder for lathes and the like. N. Forslin. 2,633,878, Apr. 7.
Stock feeding mechanism. J. L. Giffen. 2,643,115, June 23.
Stock guard, Electric. W. Nieuwenhuis. 2,633,337, Mar. 31.
Stock guide for rolling mills and the like. W. J. Fisher. 2,651,955, Sept. 15.
Stock inlet. L. Hornbostel and E. D. Beachler. 2,664,033, Dec. 29.
Stock pusher. A. Stuebner. 2,657,933, Nov. 3.
Stock reel. F. Koch. 2,639,871, May 26.
Stock reel. F. Koch. 2,658,694, Nov. 10.
Stock reel speed control mechanism. J. H. Friedman. 2,664,250, Dec. 29.
Stock restraining gate. A. S. and R. H. Hill. 2,642,840, June 23.
Stock straightener for cold header devices. J. H. Friedman. 2,646,102, July 21.
Stock supply and reel apparatus. H. E. Dickerman. 2,633,304, Mar. 31.
Stocking. G. D. Dowell. 2,640,339, June 2.
Stocking. K. F. Naumann. 2,660,868. Dec. 1.
Stocking and blank for same. W. Nebel. 2,629,997, Mar. 3.
Stocking and making. V. Skole and H. C. Andersen. 2,648,210, Aug. 11.
Stocking and making the same. R. E. Thompson. 2,628,487, Feb. 17.

Stocking drying apparatus. L. E. Carr. 2,656,932, Oct. 27.
Stocking fabric. S. Tait, Jr. 2,636,369, Apr. 28.
Stocking form. C. S. Tiers. 2,636,651, Apr. 28.
Stocking or bandage, Stretchable. W. M. Scholl. 2,646,797, July 28.
Stocking, Ornamented. W. H. Lorimer. 2,633,722, Apr. 7.
Stockings for varicose veins, Producing. A. E. J. M. Neumager. 2,641,914, June 16.
Stoker apparatus. D. J. Mosshart. 2,654,331, Oct. 6.
Stoker, Spreader. E. C. Miller. 2,643,782, June 30.
Stoma receiver. M. Perry. 2,638,898, May 19.
Stone collector. W. H. Curry. 2,651,902, Sept. 15.
Stone gatherer. A. Zehren. 2,652,673, Sept. 22.
Stool. H. H. Hutchinson. 2,656,875, Oct. 27.
Stool, Adjustable. A. Restivo. 2,638,969, May 19.
Stool and shoeshine box, Combined bathroom. J. Kahl. 2,627,622, Feb. 10.
Stool-easel, Knockdown. F. C. Holbrook. 2,638,702, May 19.
Stool, Folding. J. Lee. 2,625,208, Jan. 13.
Stool, Folding. J. J. Simmons. 2,649,894, Aug. 25.
Stool having means to lock it against rolling, Rolling. K. H Pond and F. Rogers. 2,625,989, Jan. 20.
Stool, Kitchen utility. S. L. De Rennaux. 2,628,146, Feb. 10.
Stool, Ladder. C. W. Harrison. 2,632,590, Mar. 24.
Stool, Portable milking. L. D. Bannister. 2,631,652, Mar. 17.
Stool, Swivel. J. C. Bishop. 2,634,795, Apr. 14.
Stop arrangement for magnetic recorders, Automatic. M. Camras. 2,633,503, Mar. 31.
Stopcock adapter, Pressure-tight. B. M. Stone and R. Gilmont. 2,642,258, June 16.
Stopcock mechanism. A. J. Cosmetto. 2,643,850, June 30.
Stop device. I. H. Small. 2,638,197, May 12.
Stop device for carding machines, Automatic. W. C. White. 2,639,470, May 26.
Stop device for chucking means. W. B. Retz. 2,646,152, July 21.
Stop device for power presses, Power. A. T. Yates. 2,640,541, June 2.
Stop device for rod shears. V. F. Linder. 2,649,913, Aug. 25.
Stop flag, Folding patrol. J. H. Sprenger and R. L. Jefferson. 2,660,975, Dec. 1.
Stop for linear actuators, Nonjamming. J. E. Chapman and L. D. Bevan. 2,658,407, Nov. 10.
Stop for photographic copying apparatus, Double sheet. A. E. Schubert. 2,632,545, Mar. 24.
Stop for pivotally mounted head protective equipment, Adjustable. C. E. Bowers, Sr. 2,658,200, Nov. 10.
Stop for sewing machines, Automatic. M. S. Mansson. 2,643,305, June 23.
Stop for slide fasteners. L. M. Dorman. 2,660,773, Dec. 1.
Stop for sliding doors. R. W. Reynolds. 2,631,662, Mar. 17.
Stop mechanism for sectionally adjustable beds. D. C. Travis. 2,658,210, Nov. 10.
Stop mechanism for step-by-step plungers. H. S. Austin. 2,627,757, Feb. 10.
Stop motion. E. St. Pierre and J. Wawzonek. 2,636,367, Apr. 28.
Stop motion attachment for looms, Head and batten. J C. Case. 2,638,940, May 19.
Stop motion device for sliver processing machines. W. J. Scott. 2,662,251, Dec. 15.
Stop motion device for strand manipulating apparatus. R. E. Solliday and S. A. Steere. 2,657,451, Nov. 3.
Stop motion for drawing frames. F. G. De Santis and E. H. Wilcox. 2,636,223, Apr. 28.
Stop-motion for knitting machines. R. H. Lawson. 2,625,026, Jan. 13.
Stop motion for knitting machines, Electrical. W. O. Heyne. 2,654,238, Oct. 6.
Stop motion for looms. W. J. Budzyna and M. R. Flamand. 2,647,545, Aug. 4.
Stop motion for looms, Mechanically actuated. J C Case. 2,652,861, Sept. 22.
Stop motion for narrow ware looms, Electric filling. G. D. Johnson. 2,650,625, Sept. 1.
Stop motion for narrow ware looms, Electric filling. L. O. Waterhouse. 2,650,624, Sept. 1.
Stop motion for textile machines. P. N. Smith. 2,644,221, July 7.
Stop motion for roving frames. S. J. Adams. 2,658,326, Nov. 10.
Stop motion for wrap stripe machines. W. C. Tucker. 2,632,321, Mar. 24.
Stop motion mechanism for looms. W. P. Brock and C. Neal. 2,639,734, May 26.
Stop motion mechanism for warp knitting machines. T. F. Schwanda. 2,648,962, Aug. 18.
Stop nut. F. Wellman. 2,653,641, Sept. 29.
Stop positioning mechanism for typewriters. W. F. Helmond. 2,650,687, Sept. 1.
Stop shoulder for recoilless rifle ammunition. E. H. Engelke. 2,651,972, Sept. 15.
Stoppage cause locator for conveyers. I. S. Eggleston and C. R. Boller. 2,629,486, Feb. 24.
Stopper and pourer, Bottle. S. A. Renzi. 2,642,207, June 16.
Stopper attachment for internally threaded lathe chucks, Threaded. J. A. Darling. 2,650,098, Aug. 25.
Stopper, Bottle. R. G. Beacham. 2,644,453, July 7.
Stopper, Bottle. G. A. Kimber. 2,634,014, Apr. 7.
Stopper construction for sink strainers and the like. P. K. Borman. 2,662,230, Dec. 15.
Stopper for container caps. A. H. Jung. 2,659,510, Nov. 17.
Stopper for large pipe lines. F. H. Mueller and J. J. Smith. 2,664,262, Dec. 29.
Stopper for phials, Atomizer. J. E. P. Tsouderos. 2,645,526, July 14.
Stopper, Pipe line. F. H. Mueller and J. J. Smith. 2,650,620, Sept. 1.
Stopper, Pipe line. J. J. Smith. 2,655,339, Oct. 13.
Stoppering machine, Automatic. F. B. Dickinson. 2,635,800, Apr. 21.
Stopping device, Magnetic. I. S. Roberts. 2,640,310, June 2.
Storage- and autoclave-stable concentrated dihydrostreptomycin solution. T. J. Macek and E. J. Hanus. 2,657,171, Oct. 27.
Storage and baler cabinet. B. R. Friend. 2,639,037, May 19.
Storage and display unit. W. B. Lyon and J. A. Gavagan. 2,636,799, Apr. 28.
Storage and utility box. T. Schmidt. 2,664,219, Dec. 29.
Storage and vaporizing apparatus for liquefied petroleum gas mixtures. J. W. Du Rant. 2,651,921, Sept. 15.
Storage apparatus. J. H. Pfeiffer. 2,635,779, Apr. 21.
Storage apparatus, Automobile. G. G. Goodwyn. 2,650,728, Sept. 1.
Storage arrangement. H. Ingold. 2,654,489, Oct. 6.
Storage battery. F. F. Kurth. 2,657,249, Oct. 27.
Storage battery electrode. J. B. Brennan. 2,662,928, Dec. 15.
Storage battery electrode and making. J. B. Brennan. 2,626,294, Jan. 20.
Storage battery paste with amino dye as ion exchange expander. C. H. Rasch. 2,644,023, June 30.
Storage battery plate grid. L. Fuller. 2,625,574, Jan. 13.
Storage battery separators, Making. E. W. Merrill. 2,626,429, Jan. 27.
Storage battery transporting cart. A. E. Marquardt. 2,626,972, Jan. 27.
Storage cell and battery and manufacturing the same, Sealed. S. Zaugg. 2,654,794, Oct. 6.
Storage chamber for granulous goods, Aerated. J. Maho. 2,634,672, Apr. 14.
Storage device. G. F. Daly and F. V. Adams. 2,660,370, Nov. 24.
Storage device, Electronic. E. S. Hughes, Jr. 2,628,309, Feb. 10.
Storage device for liquefied gases and the vapors thereof. O. Reich. 2,662,379, Dec. 15.
Storage device utilizing semiconductor. F. Gray. 2,657,309, Oct. 27.
Storage bin unloading apparatus. K. R. Dennick. 2,663,594, Dec. 22.
Storage rack. R. K. Degener. 2,654,487, Oct. 6.
Storing and advancing thread, Method and apparatus for. G. F. D'Alelio. 2,658,255, Nov. 10.
Storing and dispensing apparatus, Article. C. Bocklus. 2,649,992, Aug. 25.
Storing and dispensing apparatus, Self-leveling. J. L. G. Fitz Patrick. 2,647,030, July 28.
Storing, cooling, and dispensing beverages, Method of and apparatus for. W. R. Kromer. 2,646,667, July 28.
Storing gases. C. V. Spangler. 2,663,626, Dec. 22.
Store arrangement with coin-operated dispensing means. H. A. Toulmin, Jr. 2,661,504, Dec. 8.
Storm sash construction for casement type windows. L. J. Milone. 2,635,305, Apr. 21.
Storm shutter. R. R. Buckwalter. 2,631,698, Mar. 17.
Storm shutter. C. C. Guercio. 2,655,094, Oct. 13.
Storm window. S. Spector and G. J. Teplanszki. 2,629,143, Feb. 24.
Storm window and screen, Combination. E. L. Clarke. 2,650,661, Sept. 1.
Storm window and screen frame and assembly. A. B. Landry and W. H. Martin. 2,647,571, Aug. 4.
Storm window latch. B. E. Moriarty. 2,661,509, Dec. 8.
Storm window sash frame. R. Goldberg. 2,651,084, Sept. 8.
Storm window securing means, Flexible. F. J. Burns. 2,624,404, Jan. 6.
Storm window, Self-storing combination. A. S. Williams. 2,634,466, Apr. 14.
Storm window structure. D. R. Hodgins. 2,646,117, July 21.
Story pole holder. C. C. Valentine. 2,650,787, Sept. 1.
Stout welting, Forming. L. H. Gemme. 2,636,196, Apr. 28.
Stove and ash discharge means therefor. C. E. Chesser. 2,660,997, Dec. 1.
Stove, Cook. W. D. Fortune. 2,626,561, Jan. 27.
Stove, Cooking. E. G. Maxwell. 2,658,985, Nov. 10.
Stove, Convertible solid and liquid fuel-burning. J. M. Dunston. 2,653,596, Sept. 29.
Stove, Electrically heated steam-bath. N. B. Sandberg. 2,654,018, Sept. 29.
Stove, Miniature knockdown. P. S. Gilchrist, Jr. 2,639,704, May 26.
Stove, Oil burner. R. M. Pyle. 2,633,189, Mar. 31.
Stove particularly for medical and sanitary purposes, Electric hot-air. M. Achner. 2,634,362, Apr. 7.

Stove, Portable outdoor cooking or camp. D. H. Bitney. 2,659,360, Nov. 17.
Stove, Utility. V. R. Wagner. 2,646,031, July 21.
Straight beam clamp with adjustable self-locking jaw. F. P. Hopfeld. 2,656,864, Oct. 27.
Straight beam clamping and like means with adjustable and interchangeable pads. B. W. Dawkins. 2,639,745, May 26.
Straightedge and level combination tool. E. J. Bucsko. 2,633,640, Apr. 7.
Straightedge and paper cutter. H. Taran. 2,633,196, Mar. 31.
Straight spring controlled escapement regulating system. P. H. Fidelman. 2,647,362, Aug. 4.
Straightening apparatus. I. J. Van Huffel. 2,642,115, June 16.
Strain insulator for damping line vibration, Oil-filled. L. F. Hunt. 2,639,310, May 19.
Strain measuring circuit. F. L. Holford. 2,638,780, May 19.
Strain measurement. L. G. Cowles. 2,625,036, Jan. 13.
Strainer. A. Hock. 2,627,349, Feb. 3.
Strainer. E. E. Tinker. 2,661,096, Dec. 1.
Strainer and check valve, Combination. R. L. Kerr. 2,630,920, Mar. 10.
Strainer and cleaner for paint rollers. E. A. Mencfeldowski, Jr. 2,659,096, Nov. 17.
Strainer and stopper, Combination basket. K. P. Wood. 2,643,394, June 30.
Strainer arrangement for dishwashing machines, Self-cleaning. O. M. Anderson. 2,649,765, Aug. 25.
Strainer attachment for dishwashers, Soil. G. H. Wotring. 2,638,104, May 12.
Strainer bags for enclosing electroplating anodes. G. B. Hogaboom, Jr. and N. R. Hall. 2,633,452, Mar. 31.
Strainer cabinet. E. T. James. 2,660,313, Nov. 24.
Strainer construction. J. B. Smith. 2,634,862, Apr. 14.
Strainer, Deep frying. C. J. Overbeck and J. Storniolo. 2,635,527, Apr. 21.
Strainer, Down spout. H. C. Korb. 2,640,593, June 2.
Strainer for coffee makers. F. W. Storner. 2,653,717, Sept. 29.
Strainer for digesters. L. C. Nevin. 2,634,209, Apr. 7.
Strainer for liquid lines, Header. A. W. Rafferty. 2,658,625, Nov. 10.
Strainer for water and other liquids, Self-cleaning. R. V. Seaholm. 2,626,710, Jan. 27.
Strainer mechanism for liquids. H. Lamb. 2,627,979, Feb. 10.
Strainer, Pipe line. A. Perrault. 2,652,153, Sept. 15.
Strainer, V-type. J. A. Palcer. 2,657,805, Nov. 3.
Strake device, Retractable. L. Colin. 2,638,384, May 12.
Strand-catching device. H. J. McDermott. 2,634,491, Apr. 14.
Strand feeding mechanism for fastening inserting machines. C. L. Knott. 2,652,616, Sept. 22.
Strand guide. A. F. Pieper. 2,663,516, Dec. 22.
Strand guiding and tensioning device. A. Kuettler, Jr., and F. Radakovich. 2,655,325, Oct. 13.
Strand lacer for reels. W. B. Lowe and H. E. Pape. 2,661,522, Dec. 8.
Strand insertion. D. D. Huyett. 2,657,454, Nov. 3.
Strand joining device. C. A. Flood. 2,626,393, Jan. 27.
Strand supply apparatus. J. B. Gray, III and S. M. Martin. 2,650,772, Sept. 1.
Strand tension device. C. G. Gilmore. 2,647,705, Aug. 4.
Strand tensioning device. R. D. Heffelfinger. 2,646,942, July 28.
Strand tensioning device. R. D. Heffelfinger. 2,646,944, July 28.
Strand traverse mechanism. H. W. Ballard. 2,662,695, Dec. 15.
Stranding machine. C. O. Bruestle. 2,634,574, Apr. 14.
Stranding machine. S. W. Ripley. 2,659,192, Nov. 17.
Strap-attaching means for buttonloops, buckles, etc., Adjustable. R. J. Hodge. 2,649,637, Aug. 25.
Strap brake. A. G. Loofbourrow. 2,633,937, Apr. 7.
Strap clamp. R. D. Parker. 2,631,350, Mar. 17.
Strap connector. P. Magid. 2,639,480, May 26.
Strap end, Adjustable width. E. Rodriguez. 2,653,369, Sept. 29.
Strap, Expansible. H. O. Ramos. 2,655,664, Oct. 20.
Strap, Expansible link. E. Kiefer. 2,651,909, Sept. 15.
Strap fastening tool. E. L. Schlage, B. M. Craig, and M. J. McAneny. 2,643,687, June 30.
Strap for cameras or binoculars, Supporting. J. R. Bates. 2,643,803, June 30.
Strap joint-forming mechanism. W. C. Childress and A. I. Ericsson. 2,644,356, July 7.
Strap seal. C. D. Mattingly. 2,663,923, Dec. 29.
Strap seal, Snap. E. A. Conaway, Sr. 2,656,209, Oct. 20.
Strap, Wristwatch. B. R. Nyhagen. 2,647,668, Aug. 4.
Strapped magnetron and method of strapping. A. T. Nordsieck. 2,645,843, July 21.
Strapped multicavity magnetron. P. D. Crout. 2,639,403, May 19.
Strapping boxes, Means for. H. Kott. 2,644,944, July 14.
Straw cellulose, Preparation of. P. H. Teunissen. 2,662,012, Dec. 8.
Straw chopper and spreader for harvesters. E. S. Thompson. 2,626,159, Jan. 20.
Straw dispenser. R. K. Tiedeman. 2,633,397, Mar. 31.
Straw spreader for combines. F. Wickell and T. Green. 2,648,542, Aug. 11.
Stream splitter for dividing granular materials. W. C. Conkling. 2,625,305, Jan. 13.
Streamline depth charge. R. H. Park, R. Weller, A. G. Russell, and S. W. Booth. 2,641,184, June 9.
Streamlined corridor vehicle. A. Sbrighi. 2,642,816, June 23.
Streptomycin broth clarification with sequestering agents. J. J. Goett and S. W. Ensminger. 2,656,347, Oct. 20.
Streptomycin 2-hydroxy-4-amino benzoate. R. A. Pateiski and P. P. Regna. 2,646,427, July 21.
Streptomycylamines, Production of. W. A. Winsten. 2,644,418, Dec. 29.
Stress relieving apparatus. C. A. Maxwell and J. P. Craven. 2,626,792, Jan. 27.
Stretch breaking apparatus and method. D. G. C. Hare. 2,638,634, May 19.
Stretch-breaking textile filaments, Method and apparatus for. R. M. Ingham, Jr. 2,649,623, Aug. 25.
Stretcher and support therefor, Curtain. D. G. Amado. 2,630,652, Mar. 10.
Stretcher, Baby bootee. A. B. Reser. 2,644,969, July 14.
Stretcher, Corpse-concealing. G. R. Knopf. 2,654,897, Oct. 13.
Stretcher, Curtain. W. Karas. 2,637,135, May 5.
Stretcher, Emergency. O. Stassinos. 2,643,395, June 30.
Stretcher, Folding. T. J. Zeller and S. H. Bingham. 2,650,373, Sept. 1.
Stretcher for spectacle frames. C. W. Klofanda. 2,628,517, Feb. 17.
Stretcher, Sleeve. A. Ottoson. 2,630,252, Mar. 3.
Stretcher, Wire. G. G. Hays. 2,634,093, Apr. 7.
Stretching and setting implement, Adjustable wire. J. A. Maier. 2,664,117, Dec. 29.
Stretching and shaping form for neckties. W. L. Rieck. 2,652,956, Sept. 22.
Stretching machine jaws. E. W. Cooper. 2,625,196, Jan. 13.
Strike mechanism, Releasable. A. H. Groeger. 2,636,767, Apr. 28.
Strike plate. R. Garbs. 2,650,848, Sept. 1.
Striker plate. G. E. Mager. 2,643,149, June 23.
Striking bag construction. A. F. Hilton. 2,661,212, Dec. 1.
Striking, casting, and bolster center filler for railway car construction, Combined. K. F. Nystrom. 2,646,010, July 21.
Striking plate for hammers. W. F. Staszak and P. E. Shaw. 2,633,766, Apr. 7.
String extractor means for baling apparatus. D. T. and G. Jones. 2,649,043, Aug. 18.
String for musical instruments, Metal. P. E. Jensen. 2,641,949, June 16.
String package. R. F. Eddy, W. F. Stecker, and R. L. Carney, Jr. 2,633,310, Mar. 31.
Strip applying mechanism in or for bookbinding machines. T. B. Hawkes. 2,646,104, July 21.
Strip-collapsing device for sewing machines. J. E. Ackerman. 2,660,139, Nov. 24.
Strip feeding apparatus. A. W. Metzner. 2,649,180, Aug. 18.
Strip feeding apparatus. J. T. Davidson and J. H. Kroemer. 2,660,428, Nov. 24.
Strip feeding apparatus. J. T. Davidson and P. G. Stimson. 2,650,090, Aug. 25.
Strip feeding device. J. T. Davidson. 2,663,196, Dec. 22.
Strip feeding mechanism. A. W. Metzner. 2,643,135, June 23.
Strip feeding mechanism. P. G. Stimson. 2,659,472, Nov. 17.
Strip feeding mechanism for photographic copying apparatus. R. F. Wills. 2,633,355, Mar. 31.
Strip-grip for electric cables. R. W. Atkinson. 2,636,922, Apr. 28.
Strip guide for sewing machines, Variable width wrapper. M. Roberts. 2,640,448, June 2.
Strip insulation and manufacture. W. G. Van Saun. 2,640,004, May 26.
Strip material and means for applying same to rollers. E. L. Harley. 2,630,657, Mar. 10.
Strip metal rolling process and apparatus, M. Michel, 2,654,278, Oct. 6.
Strip pickling apparatus and saturable reactor control therefor. T. Dunnegan, Jr., and H. M. Ogle. 2,661,009, Dec. 1.
Strip stock from polyhexamethylene adipamide, Production of. L. L. Stott and P. L. Shurr. 2,638,631, May 19.
Stripper for side delivery rakes, Rotary. D. S. Lock and F. D. Wilson. 2,657,520, Nov. 3.
Stripper pin for sheet feeding machines. M. J. Ajam and C. A. Bergman. 2,654,600, Oct. 6.
Stripper pump. M. A. Adams. 2,641,187, June 9.
Stripping apparatus. B. A. Black and S. Kaim. 2,624,897, Jan. 13.
Stripping insulated wire. W. T. Mitchell. 2,636,408, Apr. 28.
Stripping multilayer negatives. G. F. Rackett. 2,661,290, Dec. 1.
Stripping of bobbins. H. Ewing. 2,663,926, Dec. 29.
Stripping of explosive cartridges. D. Mitchell. 2,663,441, Dec. 22.
Stripping of mirror backing. K. E. Brown, F. E. Clark, and C. E. Jackson. 2,637,669–70, May 5.
Stripping rubber articles from a core, Means for. V. S. Anderson. 2,663,902, Dec. 29.

Stroboscopic indicator. E. J. Quinby, R. Bender, and W. S. Oliwa. 2,633,297, Mar. 31.
Stroke adjustment device. R. B. Saalfrank. 2,640,425, June 2.
Stroke control for ram-type molding machines. J. W. Hendry. 2,627,087, Feb. 3.
Stroller and high chair, Combined. A. L. Johnson. 2,664,144, Dec. 29.
Stroller, Baby. F. R. Kreeger. 2,647,757, Aug. 4.
Structural joint. J. F. Korsberg, F. T. Gustafson, and G. Snyder. 2,639,788, May 26.
Structural joint. C. O. Larson. 2,638,386, May 12.
Structural joint. A. Routt. 2,653,686, Sept. 29.
Structural member. A. J. Fitzgerald. 2,639,012, May 19.
Structural member for grilles and air filters. A. J. Fitzgerald. 2,658,583, Nov. 10.
Structural members. W. R. Millier. 2,633,945, Apr. 7.
Structural members, Prestressing. L. K. Davis. 2,648,895, Aug. 18.
Structural rod joint. B. C. Wilcox. 2,658,776, Nov. 10.
Structural section. J. J. Senglar. 2,652,713, Sept. 22.
Structural wood unit. P. de Anguera. 2,650,395, Sept. 1.
Structure and method for cleaning welding rods. E. E. Rhodes and H. G. Scholtz. 2,646,649, July 28.
Structure for an explosion-proof plug and socket, Delayed action. P. S. Rockwell and J. G. Howard. 2,626,975, Jan. 27.
Structure for conducting fluid mediums. T. B. Hughes. 2,649,795, Aug. 25.
Structure for conveying a fluid at high temperature. R. Poult. 2,645,435, July 14.
Structure for mounting excavating and pipe and cable laying means on tractors. A. S. Kinsinger. 2,638,832, May 19.
Structure for removing free water from products having oil and free water therein. E. R. Williams. 2,659,488. Nov. 17.
Structure for tractors, Operator's station. E. F. Jirsa. 2,644,538, July 7.
Structure having bonded thereto a corrosion resistant surface. R. B. Seymour. 2,653,118, Sept. 22.
Structural board from wood waste, extracted flour of soya beans and melamine-urea formaldehyde resin. J. N. Sears. 2,658,878, Nov. 10.
Strut, Collapsible. R. Westbury. 2,633,037, Mar. 31.
Strut or spreader system for folding photographic cameras. F. Faulhaber. 2,637,254, May 5.
Strut platform support. L. S. Williams. 2,652,241, Sept. 15.
Stud. W. A. Mayes. 2,635,710, Apr. 21.
Stud assembly for luggage. M. L. Duskin. 2,654,453, Oct. 6.
Stud bolt wrench. R. A. Valvano. 2,629,277, Feb. 24.
Stud driver. B. A. McKean. 2,628,105, Feb. 10.
Stud driving tool. M. H. Walker. 2,645,772, July 21.
Stud for explosive installations. C. R. Webber and V. R. Erickson. 2,637,241, May 5.
Stud remover. A. Sporket. 2,627,195, Feb. 3.
Studio couch slip cover. F. K. Krasnov. 2,641,001, June 9.
Stuffer valve. F. A. Zaenkert. 2,660,755, Dec. 1.
Stuffing box for dough mixers. C. R. Rechtin. 2,638,364.
Stuffing box gland. W. C. Pfeil. 2,628,853, Feb. 17.
Stuffing device, Meat mold. F. H. Hoy. 2,635,799, Apr. 21. May 12.
Stuffing gland assembly for fluid filled cables. P. N. Bos-
Stuffing machine, Sausage. H. H. Wright and C. L. Harder. 2,653,432, Sept. 29.
Stuffing olives. G. W. Ashlock, Jr. 2,637,653, May 5.
Stump clearing device. J. A. Pilgrim. 2,631,388, Mar. 17. worth. 2,652,443, Sept. 15.
Stylus assembly, Double-twist phonograph. W. W. Ward. 2,639,156, May 19.
Stylus drive for facsimile recorders. A. G. Cooley. 2,643,173, June 23.
Stylus for recorders. G. Gorham. 2,664,335, Dec. 29.
Stylus holder. W. M. Garing. 2,632,249, Mar. 24.
Stylus holder. E. Horton. 2,627,448, Feb. 3.
Stylus pickup, Multiple. C. F. Jensen. 2,662,121, Dec. 8.
Stylus-protecting device. J. A. Rescsanski and J. R. Hopkins. 2,637,563, May 5.
Stylus structure for electrical recorders. D. O. Nelson. 2,633,405, Mar. 31.
Styrene, alpha methyl styrene, drying oil fatty acid interpolymers. G. A. Griess and A. S. Teot. 2,639,272, May 19.
Styrene, alpha methyl styrene, drying oil modified alkyd resins. G. A. Griess and C. V. Strandskov. 2,639,271, May 19.
Styrene-copolymer and producing the same. J. H. Sample. 2,650,907, Sept. 1.
Styrene modified alkyd resins. G. A. Griess and C. V. Strandskov. 2,639,270, May 19.
Styrene modified alkyds and producing the same. C. J. Meeske and D. Laganis. 2,647,092, July 28.
Styrene-unsaturated alkyd resin casting compositions. L. C. Rubens and R. F. Boyer. 2,636,018, Apr. 21.
Sub holder. V. V. Webster. 2,657,014, Oct. 27.
Subbing cellulose ester sheet material and product thereof. G. F. Nadeau and W. R. White. 2,632,715, Mar. 24.
Subassembly for telephone sets. J. F. Houdek, Jr. 2,635,130, Apr. 14.
Subcaliber adapter. J. V. Dunham. 2,654,318, Oct. 6.
Subcaliber attachment for barrels of guns. J. M. Dial. 2,641,860, June 16.
Subcutaneous medication. J. W. Lee, H. E. Martin, and W. M. Alexander. 2,625,158, Jan. 13.
Subjecting discrete units of solid materials to treatment by gaseous mediums. B. C. Skinner. 2,654,734, Oct. 6.
Submarine core sampling. W. W. Rand. 2,650,069, Aug. 25.
Submerged blast reaction tank. P. K. Anderson. 2,624,657, Jan. 6.
Submerged flame burner. N. Swindin. 2,638,895, May 19.
Submerged solenoid operated pump. P. H. Bills, J. A. Logan, and T. J. Mesh. 2,624,491, Jan. 6.
Submerged valve oil cooler. R. W. Jensen. 2,653,797, Sept. 29.
Submersible pump. C. J. Bergh. 2,648,286, Aug. 11.
Submersible sump pump. E. J. Schaefer. 2,662,206, Dec. 8.
Submersible support for machinery. J. L. Goldman and L. Blum. 2,652,693, Sept. 22.
Subscriber receiver enunciator. J. R. Howland. 2,664,461, Dec. 29.
Subsoil tunnel forming device. F. I. Stovall and B. Symmonds. 2,631,389, Mar. 17.
Substage illuminator for microscopes. C. J. Eckert. 2,636,976, Apr. 28.
Substantially complete conversion of fatty material to partial ester. N. H. Kubrt. 2,634,278, Apr. 7.
Substantially pure and anhydrous alcohols by distillation, Production of. A. R. Graff. 2,640,017, May 26.
Substituted aralkyl alkylene diamino di acetic acids and salts. F. C. Bersworth. 2,624,757, Jan. 6.
Substituted benzofuranes. R. W. Wynn and S. A. Glickman. 2,636,885, Apr. 28.
Substituted benzoic acid esters and their preparation. T. P. Carney. 2,647,903, Aug. 4.
Substituted carbamic acid esters as surface active agents. J. A. Chenicek. 2,649,473, Aug. 18.
Substituted ethylenediamine derivatives. D. Papa, N. Sperber, and F. Villani. 2,654,758, Oct. 6.
Substituted formyltetrahydropteroyl amino acids and preparing the same. D. B. Cosulich. 2,659,726, Nov. 17.
Substituted 4-acetamidobenzaldehyde thiosemicarbazones. J. Bernstein, W. A. Lott, and F. Y. Wiselogle. 2,635,115, Apr. 14.
Substituted glycinamides. W. F. Bruce and J. Seifter. 2,654,754, Oct. 6.
Substituted mono aralkyl alkylene polyamino polyacetic acids. F. C. Bersworth. 2,624,758, Jan. 6.
Substituted monothiosemicarbazones of diformylbenzenes. H. Schmidt, R. Behnisch, and F. Mietzsch. 2,664,425, Dec. 29.
Substituted phosphacyclopentane oxides and preparing them. W. B. McCormack. 2,663,739, Dec. 22.
Substituted phosphacyclopentene dihalides, Preparation of. W. B. McCormack. 2,663,736, Dec. 22.
Substituted phosphacyclopentene oxides and preparing them. W. B. McCormack. 2,663,737, Dec. 22.
Substituted phosphacyclopentene sulfides and preparing them. W. B. McCormack. 2,663,738, Dec. 22.
Substituted piperazines and preparing same. H. W. Stewart and E. G. Lee. Re. 23,701, Aug. 18.
Substituted poly aralkyl alkylene poly amino poly acetic acids and salts. F. C. Bersworth. 2,624,759, Jan. 6.
Substituted succinimides. C. A. Miller and L. M. Long. 2,643,257-9, June 23.
Substituted tetralones, Manufacture of. C. Grob. 2,632,024, Mar. 17.
Substituted 2-methylpiperidinopropyl benzoate salts of penicillin. H. W. Rhodehamel, Jr. 2,654,751, Oct. 6.
Subsurface prospecting. K. C. Crumrine. 2,628,315, Feb. 10.
Subsurface sampler. C. A. Wofford. 2,625,226, Jan. 13.
Subzero treatment of chromium alloy steel. E. J. Svenson. 2,624,688, Jan. 6.
Succinhydrazides. W. B. Ligett, R. D. Closson, and C. N. Wolf. 2,640,005, May 26.
Suction apparatus. S. A. Henderson. 2,654,557, Oct. 6.
Suction blank feed for printing, wrapping and other machines. D. R. P. Jackson. 2,643,120, June 23.
Suction box. J. Campbell. 2,627,789, Feb. 10.
Suction box. A. W. Tellier. 2,658,789, Nov. 10.
Suction cleaner. G. E. Kaufman. 2,649,608, Aug. 25.
Suction cleaner. M. A. Kent. 2,656,009, Oct. 20.
Suction cleaner. D. B. Tschudy. 2,649,925, Aug. 25.
Suction cleaner. J. E. Vance. 2,661,078, Dec. 1.
Suction cleaner. W. H. Woessner. 2,641,333, June 9.
Suction cleaner. E. H. Yonkers, Jr. 2,651,383, Sept. 8.
Suction cleaner. E. H. Yonkers, Jr. 2,656,897, Oct. 27.
Suction cleaner casing assembly. R. L. Brown and J. E. Vance. 2,644,190, July 7.
Suction cleaner conversion arrangement. H. G. Kunkler. 2,653,343, Sept. 29.
Suction cleaner dome mounting construction. E. F. Martinet. 2,627,936, Feb. 10.
Suction cleaner filter. M. H. Ripple. 2,641,334, June 9.
Suction cleaner motor filter construction. E. F. Martinet. 2,627,937, Feb. 10.
Suction cleaner nozzle height adjustment. D. C. Gerber. 2,632,915, Mar. 31.
Suction cleaner with cord reel. D. C. Gerber. 2,661,074, Dec. 1.

Suction cleaning tool. N. A. Buccasio. 2,643,413, June 30.
Suction cup and mounting. C. G. Schulz and A. S. Kedzie. 2,637,589, May 5.
Suction device, Pneumatic. E. W. Puckert. 2,657,893, Nov. 8.
Suction hood holder. B. J. Daigle. 2,654,950, Oct. 13.
Suction leaf pickup and pulverizing device. O. C. Miller. 2,658,318, Nov. 10.
Suction machine for removing insects from plants, Mobile. H. S. Wilson. 2,643,482, June 30.
Suction motor. W. E. O'Shei. 2,664,074, Dec. 29.
Suction mounting for can openers or the like. G. A. Lehmann and W. E. Gundelfinger. 2,659,560, Nov. 17.
Suction nozzle for suction cleaners. J. van der Heem. 2,624,063, Jan. 6.
Suction nozzle with adjustable cleaning opening. C. L. Brown, Jr. 2,629,126, Feb. 24.
Suction-operated device for scrubbing and drying floors. W. J. Belknap. 2,635,277, Apr. 21.
Suction point, Dredge. R. Haigh. 2,657,479, Nov. 3.
Suction regulating valve. W. D. Teague, Jr. 2,638,107, May 12.
Suction settle and counterblowing process and apparatus. G. E. Rowe. 2,648,168, Aug. 11.
Sugar beet harvester and topper. R. L. Bowman and H. Meyer. 2,629,215, Feb. 24.
Sugar bowl, Automatic. C. B. Stoker. 2,653,734, Sept. 29.
Sugar cane wax, Making refined. A. C. Henn and H. W. Peterson, Jr. 2,662,907, Dec. 15.
Sugar crystallizer. L. M. I. Rodriguez. 2,650,175, Aug. 25.
Sugar purification. J. P. Bartz. 2,626,878, Jan. 27.
Sugar sanding machine for confections and the like. J. Opie. 2,625,903, Jan. 20.
Suit, Air ventilated. A. M. Klein and J. F. Hall, Jr. 2,657,396, Nov. 3.
Suitcase, Soft sided. I. J. Meyers. 2,648,411, Aug. 11.
Suitcase with soft sides. I. J. Meyers. 2,648,412, Aug. 11.
Suit, Diving. E. D. Bule. 2,626,602, Jan. 27.
Suit for farmers, Work. R. J. Schaeffer. 2,649,583, Aug. 25.
Suit hanger carrier. C. L. Threeton. 2,629,529, Feb. 24.
Suit, Vapor-heated. R. E. Hopp. 2,652,824, Sept. 22.
Sulfa drug, Stabilized. G. L. Christenson. 2,635,980, Apr. 21.
Sulfate of ammonia, Production of. C. Otto. 2,645,560, July 14.
Sulfated alcohol detergents from reaction product of primary monohydric alcohols with ethylene. F. W. Banes, W. P. FitzGerald, and J. F. Nelson. 2,655,525, Oct. 13.
Sulfated hydroxy alkyl thio succinates. E. S. Blake. 2,630,449, Mar. 3.
Sulfated N-hydrocarbon-substituted-α-hydroxycarboxylic amides. P. L. De Benneville. 2,632,766, Mar. 24.
Sulfation of aliphatic alcohols. J. K. Fincke. 2,634,287, Apr. 7.
Sulfide coating. J. E. Baxter. 2,639,245, May 19.
Sulfide coating. J. E. Baxter. 2,644,774, July 7.
Sulfides of thiodiarylamines. R. O. Zerbe. 2,659,724, Nov. 17.
Sulfite waste treatment process. G. L. Cunningham. 2,644,748, July 7.
Sulfolanes as dielectric material. W. F. Busse and H. R. Davidson. 2,628,265, Feb. 10.
Sulfonated anthraquinone naphthocarbazole dyestuffs and preparing them. J. Ogilvie. 2,658,899, Nov. 10.
Sulfonated aromatic hydrocarbon-aliphatic polyene hydrocarbon ion-exchange resins. G. F. D'Alelio. 2,645,621, July 14.
Sulfonated aryl acetylene resins. G. F. D'Alelio. 2,644,801, July 7.
Sulfonated high molecular weight styrene-olefin copolymers. D. W. Young, W. H. Smyers, and W. J. Sparks. 2,638,445, May 12.
Sulfonated hydroarylamino anthraquinones. S. von Allmen and H. Eggenberger. 2,649,465, Aug. 18.
Sulfonated phenol formaldehyde condensation product and making same. R. A. Salathiel. 2,639,274, May 19.
Sulfonation products, Preparation of. A. Shultz, Jr. 2,652,427, Sept. 15.
Sulfonic acid aryl esters of polyarylethylene derivatives and a process of making same. H. Hausermann and R. Zweidler. 2,657,228, Oct. 27.
Sulfosuccinic acid polyesters of fatty acid monoglycerides. J. T. Thurston. 2,637,663, May 5.
Sulfoxides as plant defoliants. L. D. Goodhue and C. E. Tissol. 2,654,667, Oct. 6.
Sulfur and phosphorus-containing esters. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,653,161, Sept. 22.
Sulfur-containing ethers of polyhydric alcohols and derivatives thereof. R. C. Morris and J. L. Van Winkle. 2,645,659, July 14.
Sulfur containing organic composition and making same. H. S. Bloch. 2,636,029, Apr. 21.
Sulfur-containing plasticizing composition. R. G. King. 2,628,228, Feb. 10.
Sulfur-containing resinous products from polyepoxides. E. C. Shokal. 2,633,458, Mar. 31.
Sulfur dioxide extraction process. N. F. Linn, H. Ernst, Jr., and A. K. Scott. 2,645,608, July 14.
Sulfur from H_2S-hydrocarbon containing gases, Manufacture of. A. L. Kohl and C. L. Blohm. 2,664,345, Dec. 29.
Sulfur from hydrogen sulfide, Production of. H. M. Anderson. 2,650,154, Aug. 25.
Sulfur recovery process. L. K. Herndon. 2,631,087, Mar. 10.
Sulfur trioxide compounds of pentaalkylguanidines. W. B. Hardy and H. Z. Lecher. 2,655,528, Oct. 13.
Sulfuric acid half esters of leuco anthraquinones in mildly alkaline aqueous medium, Preparing. W. B. and E. M. Hardy. 2,647,124, July 28.
Sulfuric acid, Manufacture of. H. F. Merriam and U. S. Lauber. 2,629,651, Feb. 24.
Sulfuric acid production by absorption. L. N. Allen, Jr. and T. P. Forbath. 2,655,431, Oct. 13.
Sulfuric acid recovery. G. B. Leyden. 2,660,516, Nov. 24.
Sulfuric acid recovery process. J. W. Conwell. 2,631,974, Mar. 17.
Sulfuric acid recovery process. D. B. Wicker. 2,631,973, Mar. 17.
Sulfurization of di-isobutylene. D. R. Stevens and S. C. Camp. 2,658,900, Nov. 10.
Sulfurization of oxygenated aliphatic compounds. H. S. Beretvas. 2,644,811, July 7.
Sulfurized compounds of the dianthrone ethylene series and making the same. E. Schwamberger. 2,645,634, July 14.
Sulfurized fatty and waxy materials. C. J. Sunde. 2,629,721, Feb. 24.
Sulfurized monocyclic terpenes and oil compositions containing them. E. B. Cyphers and A. E. Michaels. 2,654,712, Oct. 6.
Sulfurized tall oil-containing compositions. S. P. Waugh. 2,631,129, Mar. 10.
Sulfurizing esters. H. S. Beretvas. 2,644,810, July 7.
Sulfurizing fats and fatty acids. H. S. Beretvas. 2,644,825, July 7.
Sulfurizing terpene hydrocarbons. E. W. Brennan. 2,643,248, June 23.
Sulphonated (Bz-1-benzanthronyl)-1-aminoanthraquinone compounds. A. Peter and J. Günthart. 2,637,734, May 5.
Sump pump control, Submersible. E. J. Schaefer. 2,625,107, Jan. 13.
Sunbath tent. M. J. Rochford. 2,659,905, Nov. 24.
Sunbeam receiving and reflecting device. A. Poliansky. 2,646,720, July 28.
Sundial, Adjustable and movable. E. A. Viesturs. 2,637,108, May 5.
Sunglasses and eyeshade, Combined. C. W. Fehrs. 2,634,416, Apr. 14.
Sunglasses, goggles, and the like. P. Astruck. 2,628,352, Feb. 17.
Sunray heat cabinet. C. R. Hooe. 2,653,612, Sept. 29.
Sunshade for motor vehicles. W. L. Griffin. 2,625,358, Jan. 13.
Sunshield with depending visor. V. K. Eloranta. 2,638,593, May 19.
Sun stop visor attachment. V. M. Ziler. 2,629,626, Feb. 24.
Superbleaching chemical pulp. R. L. McEwen, F. R. Sheldon, and W. F. Schroeder. 2,661,261, Dec. 1.
Supercalendered plasticized glassine paper, Producing. G. C. Borden, Jr. 2,636,833, Apr. 28.
Supercharger. S. Oldberg. 2,654,530, Oct. 6.
Supercharger arrangement. G. N. Cole and J. S. Hasbrouck. 2,653,591, Sept. 29.
Supercharger driving control. E. W. Wasielewski. 2,660,991, Dec. 1.
Supercharger duct system. B. L. Messinger, H. H. Gray, and R. R. Richolt. 2,648,490, Aug. 11.
Supercharging four-stroke internal-combustion engine. W. Vogel and H. Seifert. 2,649,083, Aug. 18.
Superheat and reheat control. W. H. Armacost. 2,663,287, Dec. 22.
Superheat control. W. H. Armacost. 2,640,468, June 2.
Superheterodyne receiving arrangement for use at ultra-short waves. L. J. Cock, B. G. Dammers, W. W. Boelens, and J. R. de Miranda. 2,662,171, Dec. 8.
Superheterodyne receiving system. A. Cotsworth, III. 2,629,817, Feb. 24.
Super high-frequency electromagnetic wave generator. W. W. Salisbury. 2,634,372, Apr. 7.
Superimposed multiple cavity mold. E. Van Riper and G. W. Frey. 2,663,905, Dec. 29.
Superregenerative apparatus. B. F. Spencer. 2,625,650, Jan. 13.
Superregenerative system for receiving angular-velocity-modulated wave signals. D. Richman. 2,637,807, May 5.
Supersensitization of photographic emulsions with complex merocyanine dyes. B. H. Carroll. 2,635,961. Apr. 21.
Supersensitization of photographic emulsions with complex merocyanine dyes. B. H. Carroll. 2,652,330, Sept. 15.
Supersensitized photographic silver halide emulsions. J. J. Jennen and O. H. Vandenbroele. 2,644,754. July 7.
Supersonic inspection device. F. A. Firestone. 2,625,035, Jan. 13.
Superstructure and bunk frame arrangement for camp trailers. C. W. Gray. 2,632,667, Mar. 24.

Supervisory control system. W. A. Derr and M. E. Reagan. 2,644,931, July 7.
Supplementary brake fluid reservoir. T. S. Alexander. 2,625,267, Jan. 13.
Supplementary fuel. E. J. McLaughlin, G. H. Denison, Jr., and M. R. Barnsch. 2,637,635, May 5.
Supplementary fuel feed device. D. E. Anderson. 2,624,558, Jan. 6.
Supplementary letter device for typewriters. H. Simon. 2,629,478, Feb. 24.
Supply control mechanism for container handling machines. C. E. Kerr. 2,645,326, July 14.
Supply roll mounting means for dispensing cabinet. R. G. Birr. 2,637,503, May 5.
Supply stand for adhesive strip material. J. Skrebba. 2,649,256, Aug. 18.
Supply system for combustible mixture for internal-combustion engines. H. Weslake. 2,652,039, Sept. 15.
Supplying articles for use in packaging. C. W. Vogt. 2,653,813, Sept. 29.
Supplying auxiliary fuel to internal-combustion engines, Means for. W. A. Bevis and P. Cusack. 2,658,490, Nov. 10.
Supplying packing machine or the like with cigarettes. L. Bergman. 2,653,723, Sept. 29.
Supplying railway cab signaling energy through short railway track circuits, Means for. F. B. Florencourt. 2,651,713, Sept. 8.
Supplying sheet material articles. C. W. Vogt. 2,626,074, Jan. 20.
Supplying steam to the interior of advancing molds, Method of and apparatus for. L. W. Lubenow. 2,661,496, Dec. 8.
Support: *See*—
Adjustable clothes-line support.
Adjustable garment hanger support.
Adjustable spring caster door support.
Adjustable support.
Animal treatment support.
Ankle and foot support.
Arch support.
Article support.
Bedclothes support.
Bed clothing support.
Bedside tray-table support.
Boring bar pilot support.
Bottler support.
Brake beam safety support.
Brake beam support.
Cable vulcanizing support.
Camera belt support.
Camera support.
Cathode-ray tube support.
Chair support.
Christmas tree support.
Clothesline support.
Collar support.
Combined foot and bedcover support.
Composition tendon support.
Container support.
Conveyor support.
Corsage support.
Crown tooth support.
Curtain and drape support.
Curtain support.
Detachable hose support.
Display rack support.
Display support.
Drapery support.
Drive fastener support.
Duck decoy support.
Elastic fluid turbine support.
Electric lighting fixture support.
Electric range resistance element support.
Equalizing and vibration adsorption support.
Feeder cup support.
Female breast support.
Fireplace-screen support.
Fluid support.
Garbage can support.
Gardenic support.
Garment hanger support.
Garment support.
Glow tube cathode support.
Golf bag support.
Gutter support.
Head and neck support.
Head support.
Hose nozzle support.
Indexing work support.
Infant feeding bottle support.
Insulator support.
Key support.
Lawn mower roller support.
Leg support.
Lug wrench support.
Milk bottle thermometer support.
Mine roof support.
Mine support.
Mirror support.
Mobile support.
Nursing bottle support.
Padding support.
Palletizing support.
Pocketed heel and detachable arch support.
Portable arm support.
Portable beach shade support.
Portable camera support.
Receptacle support.
Resilient support.
Reverse traverse drapery support.
Rocking support.
Roll support.
Rotary bowl support.
Rotatable garment support.
Scaffold support.
Seat back rest support.
Seat support.
Shelf support.
Shelving and partition support.
Shoe support.
Sleeping berth support.
Sliding caster type support.
Sliding shelf or drawer support.
Sliding shoe curtain support.
Spring arc support.
Strut platform support.
Surgical arm support.
Tackle box support.
Tiltable support.
Transit support.
Tray support.
Vent pipe support.
Vertical rotary tool support.
Waler support.
Wall fixture support.
Weaving loom cloth beam support.
Winding core support.
Window drapery support.
Window fan support.
Work support.
Support. L. H. Flora. 2,626,772, Jan. 27.
Support. W. J. Masoner. 2,650,056, Aug. 25.
Support. E. Ostberg. 2,641,425, June 9.
Support. G. A. Tinnerman. 2,627,385, Feb. 3.
Support and clamp for drill press tables, Work. R. L. Hussey. 2,649,819, Aug. 25.
Support and elevator, Drapery. E. I. Reuland. 2,636,710, Apr. 28.
Support and handle for cameras and synchronizers. S. Mendelsohn. 2,644,381, July 7.
Support and turbulence effecting device, Combined. E. W. Kaiser. 2,658,530, Nov. 10.
Support and warmer for beds, Foot. A. H. Simpson. 2,640,205, June 2.
Support arm for power saws. C. E. Leckington. 2,636,524, Apr. 28.
Support attachments for beds. W. E. McKnight. 2,662,715, Dec. 15.
Support bracket. M. O'Shea. 2,630,256, Mar. 3.
Support fixture for supporting pronged structures. C. W. Daley. 2,660,004, Nov. 24.
Support for a cornice and Venetian blind. B. B. Junkunc. 2,640,533, June 2.
Support for bed framework. E. J. Strybel. 2,639,443, May 26.
Support for cameras and synchronizers, Adjustable. S. Mendelsohn. 2,644,380, July 7.
Support for charging electrodes for electrostatic filters. J. K. Brixius and C. W. Savitz. 2,660,260, Nov. 24.
Support for coils, Collapsible. A. B. Weaver. 2,630,980, Mar. 10.
Support for computing machines and the like. J. L. Hutton. 2,656,098, Oct. 20.
Support for containers. H. J. Larson and G. B. Devereaux. 2,638,354, May 12.
Support for cutting tools. W. G. Hoelscher. 2,658,418, Nov. 10.
Support for disk type implements, Scraper. J. A. Barna. 2,649,724, Aug. 25.
Support for electric irons. D. C. Gerber. 2,632,969, Mar. 31.
Support for electric irons. H. W. Wilson. 2,658,292, Nov. 10.
Support for electric irons, Retractable. H. W. Wilson. 2,624,136, Jan. 6.
Support for electrically heated tools. R. H. Green. 2,662,962, Dec. 15.
Support for electron tube and circuit, Pluggable. R. L. Palmer. 2,637,763, May 5.
Support for field coils of dynamoelectric machines. M. Henter. 2,654,037, Sept. 29.
Support for filing devices, Folding. R. R. Webb. 2,633,850, Apr. 7.
Support for fire extinguishers. R. W. Rycroft. 2,646,243, July 21.
Support for garbage cans and the like. C. R. Russell. 2,646,955, July 28.
Support for garment hangers, Shoulder. P. M. Harrell. 2,656,955, Oct. 27.
Support for headlight tester, Wheeled. A. R. Squyer and P. F. Dirksen. 2,662,779, Dec. 15.
Support for hoops for basketball games. A. C. Holmdahl. 2,655,377, Oct. 13.
Support for ice-cream containers and the like. W. A. Daniels. 2,639,039, May 19.
Support for ironing tables. J. Siczkiewicz, Jr., and H. L. Voigt. 2,661,554, Dec. 8.
Support for ironing tables. H. L. Voigt and J. Siczkiewicz, Jr. 2,659,990, Nov. 24.
Support for ladders, Equalizing. W. Derby. 2,633,283, Mar. 31.
Support for lamp shades and switches, Single arm adjustable. G. H. Kernodle. 2,647,986, Aug. 4.
Support for lines and the like. W. O. Moran. 2,625,342, Jan. 13.
Support for log debarking drum, Hydraulic. G. M. Dick. 2,630,153, Mar. 3.
Support for luminous tubing. R. V. Staaf. 2,645,831, July 21.
Support for manikins. E. Bloch. 2,656,957, Oct. 27.
Support for movably mounting mechanisms such as motors. J. J. Slovan. 2,646,951, July 28.
Support for retractable ladder for vehicles. V. E. Jennings. 2,642,217, June 16.
Support for rotatable antenna structures. C. A. Zarobsky and J. F. Seybold. 2,650,051, Aug. 25.
Support for semitrailers. T. B. Dalton. 2,655,340, Oct. 13.
Support for sign characters. H. A. Smithson and F. P. Mitten. 2,630,643, Mar. 10.
Support for sound-reproducing apparatus. E. W. Swanson. 2,642,327, June 16.
Support for steam generator drums. L. J. Marshall. 2,648,316, Aug. 11.
Support for storm windows. H. L. Mitts. 2,644,659, July 7.
Support for taps. J. W. Gibney. 2,651,792, Sept. 15.
Support for telephone transmitter-receivers, Shoulder mounted. E. Zakos. 2,644,043, June 30.
Support for use in cutting radishes. F. S. Elsaaesser. 2,630,850, Mar. 10.
Support for Venetian blind tilt rails, Center. B. Walker. 2,635,687, Apr. 21.
Support for vibratory devices. C. L. Calosi. 2,632,858, Mar. 24.
Support for weighing scales. H. and J. Brody and J. F. Hart. 2,629,573, Feb. 24.
Support means for slidable jaw wrenches. V. Licari. 2,637,235, May 5.

Support of copying lathes. O. von Zelewsky. 2,645,148, July 14.
Support roller for printed webs. B. Offen. 2,631,384, Mar. 17.
Support structure. S. J. Harazim. 2,652,307, Sept. 15.
Support structure, Filamentary cathode. L. E. Cisne. 2,649,553, Aug. 18.
Support structure for boom type crop sprayers. V. M. Long. 2,645,523, July 14.
Support structure for stockings. B. Binkowitz. 2,638,602, May 19.
Support unit for bedframes, Center. N. E. Blanke and H. J. Sands. 2,644,950–60, July 14.
Support wire forming apparatus. C. T. Vaughan. 2,653,631, Sept. 29.
Support wire inserting apparatus for incandescent lamps. J. Flaws, Jr., and L. E. Dills. 2,643,440, June 30.
Supported $MgCl_2$-$CuCl_2$ catalyst. D. J. Pye and T. J. West. 2,636,864, Apr. 28.
Supporting and auxiliary driving means for conveyer belts. E. B. Snead. 2,655,253, Oct. 13.
Supporting and loading the top rollers of textile drafting apparatus, Means for. J. J. Haythornthwaite and J. Calvert. 2,644,988, July 14.
Supporting and locking structure for collapsible wall shelves. F. W. Krueger. 2,634,180, Apr. 7.
Supporting arms for flatirons, Jointed. E. E. Foster. 2,648,146, Aug. 11.
Supporting arrangement for self-contained gas turbine power plant having integral frames. A. Howard and B. O. Buckland. 2,632,997, Mar. 31.
Supporting assembly for concrete forms. E. M. Ornitz. 2,635,320, Apr. 21.
Supporting base for pinball machines, Collapsible adjustable. O. E. Allen. 2,639,114, May 19.
Supporting beams for bubble trays and the like. H. B. Kohn. 2,664,280, Dec. 29.
Supporting construction for building layers. A. Horowitz. 2,640,570, June 2.
Supporting device. W. A. Bedford, Jr. 2,640,672, June 2.
Supporting device. H. F. Dieckhoff. 2,630,286, Mar. 3.
Supporting device. H. L. Ericson. 2,657,888, Nov. 3.
Supporting device for conveyers, Portable. B. A. Lindberg. 2,632,557, Mar. 24.
Supporting device for sanitary napkins and the like, Adjustable. V. G. Sloan. 2,645,225, July 14.
Supporting device involving an elastic member. D. M. Dow. 2,645,340, July 14.
Supporting means for a portable sluice. W. Thomas. 2,656,924, Oct. 27.
Supporting means for swingable material handling ducts. R. F. Heinje. 2,640,566, June 2.
Supporting means used in connection with electroplating racks. M. S. Schneider. 2,652,359, Sept. 15.
Supporting mechanism for cabinet doors. E. W. Swanson and D. O. Radke. 2,643,166, June 23.
Supporting pipe clamp. C. B. Wright. 2,658,706, Nov. 10.
Supporting propulsion means for draglines and the like. T. O. Davidson. 2,660,253, Nov. 24.
Supporting structure. J. B. O'Keefe and C. M. Igoe. 2,664,147, Dec. 29.
Supporting structure for screen stretcher bars. P. C. Bye. 2,630,225, Mar. 3.
Supporting trough for cables. F. G. W. Ullberg, Jr. 2,656,998, Oct. 27.
Supports for traction elements, Laterally extensible. T. E. Grace. 2,650,104, Aug. 25.
Suppressed carrier radio communication system. C. W. Carnahan. 2,653,221, Sept. 22.
Suppressing arcing at contacts breaking a direct current inductive circuit, Means for. A. H. B. Walker. 2,637,769, May 5.
Suppressing photoelectric threshold. H. Friedman. 2,657,316, Oct. 27.
Suppressing the oxidation of CO to CO_2 in a fixed bed regenerator. A. V. Grosse. 2,626,245, Jan. 20.
Suppression of spurious oscillations. R. T. Cavanagh. 2,640,173, May 26.
Suppressor for solid particles and fumes. R. C. Ortgies. 2,653,674, Sept. 29.
Supronimeter and foot balancing appliance. H. W. Weinerman. 2,645,025, July 14.
Surcingle handling apparatus. R. E. Reeve. 2,637,962, May 12.
Surf casting fishing reel. J. M. Holahan, Jr. 2,652,212, Sept. 15.
Surface active agents. J. D. Brandner. 2,636,038, Apr. 21.
Surface active agents. J. M. Cross. 2,651,645, Sept. 8.
Surface-active composition. W. A. Fessler. 2,626,244, Jan. 20.
Surface-active composition. J. C. Harris. 2,642,400, June 16.
Surface active compounds. W. B. Hughes and E. B. Fisher. 2,653,135, Sept. 22.
Surface active compounds. W. B. Hughes. 2,653,136, Sept. 22.
Surface active compounds. W. B. Hughes and E. B. Fisher. 2,653,137, Sept. 22.
Surface active compounds. W. B. Hughes. 2,646,405–6, July 21.
Surface active media. J. Nüsslein. 2,651,829, Sept. 15.
Surface-active products. E. L. Doerr. 2,637,701, May 5.
Surface active sulfates, Production of. W. J. Oldham and M. M. Wirth. 2,645,656, July 14.
Surface coating composition and preparing the same. J. C. Petropoulos and L. E. Cadwell. 2,626,250, Jan. 20.
Surface conditioning tool. J. A. Barth. 2,635,393, Apr. 21.
Surface contour measurement. P. J. Herbst. 2,645,971, July 21.
Surface-covering articles, Making. Z. W. Mann. 2,638,430, May 12.
Surface discharge spark plug for low voltages and condenser discharge. W. B. Smits. 2,625,922, Jan. 20.
Surface dressing machine. A. Iobbi. 2,662,351, Dec. 15.
Surface finisher. E. F. Folks. 2,629,252, Feb. 24.
Surface finishing machine. W. C. Burt. 2,660,007, Nov. 24.
Surface finishing machine. A. P. Robinson. 2,629,210, Feb. 24.
Surface finishing of aluminum and its alloys. E. Shelton-Jones. 2,650,156, Aug. 25.
Surface for window sills, Inlaid. W. B. Anderson. 2,663,388, Dec. 22.
Surface gap igniter plug for gas turbines. J. O. Sarto. 2,645,082, July 14.
Surface grinder. D. R. Peterson. 2,645,886, July 21.
Surface leveling apparatus. C. E. Gifford and R. W. Keeler. 2,652,642, Sept. 22.
Surface liner for abrasive services, Elastic. D. E. Stines. 2,633,873, Apr. 7.
Surface marking device for containers. C. A. Costanzo. 2,654,311, Oct. 6.
Surface micromagnetic survey method. W. P. Jenny. 2,635,134, Apr. 14.
Surface miller. O. L. Miller. 2,638,136, May 12.
Surface tension measuring device. B. Vonnegut. 2,627,177, Feb. 3.
Surface test indicator. G. C. Welch. 2,647,324, Aug. 4.
Surface treating apparatus. L. H. Bishop and J. S. Finn. 2,637,948, May 12.
Surface-treating wheel. G. A. Lyon. 2,648,178, Aug. 11.
Surface treatment for improving weathering resistance of cellulose acetate-butyrate plastics. J. W. Tamblyn and R. M. Schulken. 2,656,288, Oct. 20.
Surface unit tilting means. A. M. Young. 2,624,827, Jan. 6.
Surfaced fabric and making same. R. J. Nebesar. 2,625,499, Jan. 13.
Surfacing composition and method. P. and N. R. Jenin. 2,648,603, Aug. 11.
Surfacing glass, Process and machine for. L. L. C. De Bay. 2,637,949, May 12.
Surfacing machine. C. A. Ellis. 2,633,675, Apr. 7.
Surfacing solid bodies. G. H. J. Monnet. 2,630,659, Mar. 10.
Surfacing wood and similar materials with copolymerizable mixtures. E. H. Dafter, Jr. 2,631,960, Mar. 17.
Surge generating apparatus. J. Laurent and J. A. Larras. 2,663,092, Dec. 22.
Surge suppressor. W. G. Stone. 2,644,913, July 7.
Surgical apparatus. H. J. Klotz. 2,655,153, Oct. 13.
Surgical appliance. L. C. Boothe. 2,624,339, Jan. 6.
Surgical armboard attachment. L. M. McDonald. 2,637,608, May 5.
Surgical arm support. C. H. Schoeller. 2,652,050, Sept. 15.
Surgical breast, Restoration. M. A. Wright and D. E. Gates. 2,651,783, Sept. 15.
Surgical clamp. C. F. Schnee. 2,659,371, Nov. 17.
Surgical clamp. E. D. Sugarbaker. 2,638,901, May 19.
Surgical dressing. E. P. Lesher. 2,632,443, Mar. 24.
Surgical glove-dusting machine. Z. M. Dunn and J. E. Streit. 2,633,824, Apr. 7.
Surgical instrument. J. E. E. Royer. 2,649,860, Aug. 25.
Surgical ligature applicator. W. Stiehs. 2,648,065, Aug. 11.
Surgical pad. W. J. Aagesen. 2,630,119, Mar. 3.
Surgical retractor. H. M. Jackson. 2,642,862, June 23.
Surgical splint. C. T. Berry. 2,651,302, Sept. 8.
Surgical splint. W. E. Gazeley, R. W. Meysner, and F. P. Graul. 2,661,000, Dec. 1.
Surgical table. H. P. Weiland. 2,661,989, Dec. 8.
Surgical wire feeding device. T. W. Halliday. 2,625,934, Jan. 20.
Surveying instrument. D. C. Porter. 2,656,606, Oct. 27.
Suspending a boat from a trailer, Means for. C. H. Holsclaw. 2,626,072, Jan. 20.
Suspending means for harness frames. P. C. Consoletti 2,625,957, Jan. 20.
Suspension clamp. R. L. McCoy. 2,660,388, Nov. 24.
Suspension clip device. G. Micucci. 2,629,154, Feb. 24.
Suspension device for fishing nets. A. C. Ross. 2,629,914, Mar. 3.
Suspension device for vehicles. J. A. Gregoire. 2,661,206, Dec. 1.
Suspension for automobiles and other vehicles. E. G. Bruce. 2,650,108, Aug. 25.
Suspension for lighting fixtures. H. L. Wright. 2,641,433, June 9.
Suspension for motor trucks, Rear-end. H. E. Willock. 2,659,446, Nov. 17.
Suspension for road vehicles. A. C. Stover. 2,643,896, June 30.
Suspension for side delivery rakes. R. W. Johnson. 2,658,324, Nov. 10.

Suspension link for centrifugal extractor casings. F. O'Conor. 2,651,482, Sept. 8.
Suspension means for vertical shafts. F. C. Baker 2,626,120, Jan. 20.
Suspension mounting for driven wheels, Individual. C. C. Utz and J. E. Collier. 2,631,681, Mar. 17.
Suspension of vehicles. J. A. Gregoire. 2,643,110, June 23.
Suspension of vehicles. J. A. Gregoire. 2,661,204, Dec. 1.
Suspension polymerization of unsaturated organic compounds. W. P. Hohenstein, R. N. Haward, and J. Elly. 2,652,392, Sept. 15.
Suspension system for dynamic microphones. H. F. Olson and J. Preston. 2,628,289, Feb. 10.
Suspension system for seismograph detectors. T. Bardeen. 2,657,374, Oct. 27.
Suspensions of polymeric chlorotrifluoroethylene. M. M. Sprung. 2,656,330–2, Oct. 20.
Suspensory support for men's garments. H. L. Hansley. 2,624,336, Jan. 6.
Suture package. S. B. Bradshaw. 2,643,765, June 30.
Sutures, Making. H. L. Davis and A. Bloch. 2,640,752, June 2.
Suturing device, Mechanical. B. S. Priestley. 2,646,045, July 21.
Swab. S. A. and J. P. Hatcher. 2,635,274, Apr. 21.
Swab for tapered casing or tubing. H. J. Pankratz. 2,650,546, Sept. 1.
Swab for tire assembly machines. C. E. Manning and G. E. Walch. 2,626,651, Jan. 27.
Swab for toilet bowls and the like, Cleaning. D. F. Rodgers. 2,648,085, Aug. 11.
Swage rifling method. F. W. Sampson. 2,641,822, June 16.
Swager with axially progressive die action, Rotary. S. O. Evans. 2,642,762, June 23.
Swaging machine, Rotary. S. Smith. 2,636,405, Apr. 28.
Swash plate pump. M. A. Mathys. 2,640,433, June 2.
Sway bar bushing applying machine. G. L. Redding. 2,658,269, Nov. 10.
Sway control for motor vehicles. A. Leslie. 2,631,692, Mar. 17.
Sweep and guard mechanism for bowling pin setting machines. S. S. Auchincloss and H. W. Phillips. 2,657,929, Nov. 3.
Sweep circuit. S. Bertram. 2,660,691, Nov. 24.
Sweep circuit. C. W. Sherwin. 2,639,402, May 19.
Sweep generator. G. C. Trembly. 2,627,025, Jan. 27.
Sweep generator protection circuit. A. J. Talamini, Jr., and R. C. Palmer. 2,661,421, Dec. 1.
Sweep limiter in radar indicating system. R. B. Tasker. 2,663,868, Dec. 22.
Sweep linearity control circuit. L. C. Murdock. 2,659,837, Nov. 17.
Sweepstick. L. R. Helm. 2,662,557, Dec. 15.
Sweep voltage generator. W. J. Gruen. 2,631,240, Mar. 10.
Sweeper, Carpet. R. S. Wagner, J. M. Hines, and A. J. Duwe. 2,651,796, Sept. 15.
Sweeper, Lawn. E. D. Parker. 2,654,106, Oct. 6.
Sweeper, Magnetic. S. W. Smale. 2,629,495, Feb. 24.
Sweeper, Magnetic floor. D. E. Stem. 2,654,480, Oct. 6.
Sweeper, Manually operated magnetic. G. L. Russell. 2,648,434, Aug. 11.
Sweeper, Power propelled. F. J. Machovec. 2,657,408, Nov. 3.
Sweeper, Street. M. F. Fitzpatrick. 2,631,314, Mar. 17.
Sweeper, Vacuum type leaf. J. F. Joy. 2,661,493, Dec. 8.
Sweeper with pivotable brush support, Carpet. E. R. Smith. 2,657,407, Nov. 3.
Sweetening gasoline. G. W. Ayers and E. E. Harton. 2,626,890, Jan. 27.
Sweetening hydrocarbon distillates. T. B. Tom and J. H. Krause. 2,645,602, July 14.
Sweetening hydrocarbon distillates. G. H. Weisemann. 2,646,389, July 21.
Sweetening hydrocarbon oils. J. H. Krause. 2,653,124–5, Sept. 22.
Sweetening hydrocarbons. R. M. Love. 2,626,232, Jan. 20.
Sweetening petroleum oils. H. A. Ricards, Jr., B. M. Vanderbilt, and E. Arundale. 2,641,570, June 9.
Sweeting of sour hydrocarbon distillates. W. W. Johnstone. 2,634,231, Apr. 7.
Swine feeder. G. L. Hazen. 2,644,425, July 7.
Swing and weighing device, Combination infant's. M. S. Pearl. 2,630,313, Mar. 3.
Swing, Pendulum-operated. M. M. Pruett. 2,627,614, Feb. 10.
Swing, Self-operated airplane. M. E. Walter. 2,627,896, Feb. 10.
Swinging device for vibratory conveyers and the like. G. Linke. 2,653,702, Sept. 29.
Swinging door. V. McLean. 2,642,164, June 16.
Swinging drawer cabinet. W. E. Schauer. 2,663,608, Dec. 22.
Swinging sash with a weatherproofing latch. E. P. Shater. 2,648,106, Aug. 11.

Switch: *See*—
Accelerator control switch.
Adjustable multiple circuit switch.
Air controlled switch.
Arcless controlling switch.
Automatic safety switch.
Automatic spark plug switch.
Automatic switch.
Automotive signal light control switch.
Balanced relay armature operated switch.
Battery switch.
Bimetallic switch.
Burglar alarm switch.
Centrifugal switch.
Closure member operated switch.
Coaxial-line switch.
Coaxial transmission line switch.
Coaxial variable attenuator switch.
Combination dimmer and direction switch.
Combined starter and ignition switch.
Combined starting and protective switch.
Compression riveter switch.
Connector switch.
Control switch.
Conveyer switch.
Crossbar switch.
Delay switch.
Diaphragm actuated electrical switch.
Differential pressure switch.
Direction signal switch.
Disconnect switch.
Door operated switch.
Double break switch.
Double pole double throw switch.
Drop out fuse switch.
Electric mat switch.
Electric snap switch.
Electric switch.
Electrical load break switch.
Electrical switch.
Electromagnetic sequence relay switch.
Electromagnetic switch.
Electronic pulse modulator switch.
Electronic switch.
Enclosed switch.
Fail safe limit switch.
Fire alarm switch.
Float switch.
Flow switch.
Fluid pressure controlled signal switch.
Fluid pressure operated switch.
Fluid pressure sensitive switch.
Fluid pressure switch.
Foot-operated direction signal switch.
Fumbleless lamp switch.
Fuse switch.
Gate switch.
Glow type thermal switch.
Heat-controlled liquid switch.
Hermetically sealed lever operated switch.
Hermetically sealed pressure switch.
Horn button switch.
Impact operated switch.
Indicating switch.
Inertia switch.
Intermittently operating direction responsive switch.
Key operated switch.
Lateral timer switch.
Leaf type micro switch.
Liquid level actuated switch.
Lock release operated switch.
Low tire indicator switch.
Low voltage switch.
Lubrication warning signal switch.
Magnetic switch.
Mechanically driven selector switch.
Mercury or liquid contact switch.
Mercury switch.
Momentary switch.
Motor starting switch.
Motor vehicle switch.
Multicircuit electric safety switch.
Multiple time switch.
Multiposition switch.
Multipositioned liquid switch.
Nonarcing interrupting switch.
Nonbounce switch.
Overhead switch.
Polarity reversing switch.
Positive interlock switch.
Pressure actuated switch.
Pressure operated temperature responsive switch.
Pressure responsive mercury switch.
Pressure responsive switch.
Pressure switch.
Protected switch.
Pull-operated switch.
Push-button electric switch.
Push-button switch.
Push-button turn signal switch.
Quiet snap switch.
Radio-frequency energy transfer switch.
Rotary connector switch.
Rotary electrical switch.
Rotary multiple contact switch.
Roller type switch.
Safety battery connector switch.
Safety interlock switch.
Safety switch.
Scale control switch.
Scrambling switch.
Selector switch.
Self-interlocking electromagnetic reversing switch.
Sequential double contact switch.
Sequential switch.
Shear coupling controlled electric switch.
Side break disconnecting switch.
Snap action switch.
Snap switch.
Step attenuator switch.
Synchronously-operated switch.
Temperature alarm switch.
Temperature responsive switch.
Temporary load switch.
Thermal overload switch.
Thermal responsive automatic switch.
Thermal switch.
Thermally actuated electric switch.
Thermally controlled electric switch.
Thermoelectric switch.
Thermostatic control switch.
Thermostatic switch.
Thermostatically heated limit switch.
Throttle controlled starter switch.
Time control switch.
Time delayed ground probe switch.
Time switch.
Toggle switch.
Track switch.
Transformer protective switch.
Transmission line switch.
Transmit-receive switch.
Vacuum switch.
Vane type thermal switch.
Vibratory switch.
Wide band transmit receive switch.

Switch. R. B. Bell. 2,627,567, Feb. 3.
Switch. W. E. Brown, D. C. Redick, and C. E. McWilliams. 2,655,570, Oct. 13.
Switch. R. M. Critchfield and J. W. Lawson. 2,637,789, May 5.
Switch. H. W. Eckles. 2,625,630, Jan. 13.
Switch. H. K. Gandelot. 2,661,400, Dec. 1.
Switch. E. G. Gaynor. 2,649,511, Aug. 18.
Switch. R. C. Ingwersen. 2,642,510, June 16.
Switch. M. L. Jeffrey. 2,627,000, Jan. 27.
Switch. J. E. Jones. 2,661,407, Dec. 1.
Switch. J. B. Knutson. 2,641,664, June 9.
Switch. G. J. Mucher. 2,642,506, June 16.
Switch. F. C. Schwaneke. 2,655,572, Oct. 13.
Switch. J. M. Wallace and P. Silvius. 2,653,488, Sept. 29.
Switch. F. E. Weld. 2,630,499, Mar. 3.
Switch. H. D. Williams. 2,644,062, June 30.
Switch. J. W. Woolf. 2,660,627, Nov. 24.
Switch actuating device for hay balers. R. V. Stalzer. 2,640,893, June 2.
Switch actuating device, Remote control. K. J. Jungholm. 2,658,979, Nov. 10.
Switch actuating means. A. H. Kibiger. 2,631,204, Mar. 10.
Switch actuating mechanism. J. W. Dickey. 2,640,899, June 2.
Switch-actuating mechanism for seaming machine. H. Hacklander. 2,657,302, Oct. 27.
Switch actuating mechanism for stand lamps, Mercury. E. S. Boynton. 2,639,369, May 19.
Switch actuator. T. H. Balch. 2,661,402, Dec. 1.
Switch actuator, Electric. J. J. Geel. 2,643,307, June 23.
Switch and conductor assembly, Electric. J. E. Vance. 2,633,519, Mar. 31.
Switch and fastener, Combined. J. W. Liley. 2,641,662, June 9.
Switch and lock light, Combination. G. N. Kerkau. 2,629,090, Feb. 17.
Switch and power take-off device, Electric. R. H. Goodrich and N. W. Densmore. 2,646,475, July 21.
Switch and receptacle, Interlock. W. E. Parish. 2,645,687, July 14.
Switch apparatus, Arc extinguishing electrical. L. H. Matthias and H. Petersen. 2,656,442, Oct. 20.
Switch apparatus, Manually operated selecting and controlling. A. W. Vincent. 2,646,473, July 21.
Switch apparatus, Radio frequency. W. L. Corteggiano and J. A. Redmond. 2,650,285, Aug. 25.
Switch apparatus, Starter. R. L. Handy. 2,647,178, July 28.
Switch assembly. R. H. Chute. 2,626,336, Jan. 20.
Switch assembly, Electric. P. M. Byam. 2,647,968, Aug. 4.
Switch assembly for bagging machines, Contact. J. Dusin and L. J. Negrilla. 2,630,085, Mar. 3.
Switch assembly, Rotary electric. K. C. Allison. 2,650,960, Sept. 1.
Switch assembly, Shielded. C. T. Grauer. 2,628,297, Feb. 10.
Switch assembly, Variable limit. G. W. Rusler, Jr., and R. C. Burggren. 2,663,001, Dec. 15.
Switchboard, Mechanical communication. W. W. Carpenter and P. B. Murphy. 2,633,502, Mar. 31.
Switchboard plug. A. J. Wier. 2,625,577, Jan. 13.
Switchboard plug. J. J. Ziemianin, Jr. 2,657,369, Oct. 27.
Switch centering apparatus, Limit. W. H. Gille. 2,654,061, Sept. 29.
Switch closing mechanism. G. M. Euler and E. A. Desautels. 2,646,478, July 21.
Switch construction. S. I. Lindell. 2,644,878, July 7.
Switch construction, Electric fuse. S. I. Lindell. 2,651,694, Sept. 8.
Switch construction, Vibrator. P. C. Reck and L. J. Stern. 2,650,277, Aug. 25.
Switch contact arrangement, Electrical. D. Mackey. 2,643,361, June 23.
Switch contact assembly, Electric. H. E. Schleicher. 2,647,974, Aug. 4.
Switch contact, Making. P. R. Enzler. 2,646,613, July 28.
Switch contact means, Electrical. E. J. Poitras. 2,647,188, July 28.
Switch control mechanism. W. E. Engelhard. 2,629,005, Feb. 17.
Switch control mechanism. E. R. Price. 2,642,484, June 16.
Switch control system, Electron. T. H. Clark. 2,654,049, Sept. 29.
Switch controlled by bars actuated in various combinations. G. X. Lens. 2,636,398, Apr. 28.
Switch controlling apparatus, Railway. H. C. Van Tassel. 2,638,537, May 12.
Switch deactivator, Automobile door. T. J. Fiorucci. 2,656,427, Oct. 20.
Switch device, Alarm. F. H. Townsend and H. S. Hall. 2,651,687, Sept. 8.
Switch device, Fluid pressure responsive differential bellows. B. J. Wilson. 2,635,153, Apr. 14.
Switch device, Inertia-controlled. J. H. Coombes. 2,626,998, Jan. 27.
Switch for automatic pumping units. C. W. Blackburn. 2,651,995, Sept. 15.
Switch for cable hoists, Safety down limit. J. A. 2,661,405, Dec. 1.
Switch for electric motors, Power controlled Ransom and F. Benjamin. 2,647,232, July
Switch for electric ranges. H. W. Batcheller. Aug. 4.
Switch for electrocardiograph apparatus, E. M. H. Pelavin. 2,647,508, Aug. 4.
Switch for escalators, Safety. O. Hohnecker. May 5.
Switch for floor polishing machines and the like D. A. Arones. 2,630,509, Mar. 3.
Switch for high-frequency electrical oscillation Espley. 2,640,878, June 2.
Switch for high-frequency power, Electronic. A. 2,644,926, July 7.
Switch for internal-combustion engines, Vac trolled auxiliary ignition. E. B. Morrison. Sept. 1.
Switch for operating artificial limbs. S. W. 2,640,994, June 9.
Switch for ranges, Safety. C. M. Hardy. June 9.
Switch for relay circuits for automobiles or J. E. Echlin, E. A. Nordberg, and E. J. 2,626,373, Jan. 20.
Switch for rotary wing aircraft, Antigyration J. C. Childs. 2,640,892, June 2.
Switch for signaling device for stokers and the l Landry. 2,646,476, July 21.
Switch for telephone systems, Automatic. H. and P. Bakker. 2,659,771, Nov. 17.
Switch for tractors, Safety cutoff. G. C. White. June 2.
Switch for use in turn-indicating signaling H. G. Dibelka. 2,656,426, Oct. 20.
Switch for water coolers, Float. J. G. 2,655,574, Oct. 13.
Switch for welding holders, Safety. A. T. 2,655,580, Oct. 13.
Switchgear, Low tension electric. G. Kilminster. Sept. 29.
Switch governor having perpendicularly pivoted weights. E. S. Tamm. 2,644,683, July 7.
Switch heater controller. W. M. White, Jr. July 7.
Switch locator. R. K. Shewmon. 2,624,814, J
Switch machine. N. C. L. Brown. 2,659,812
Switch means, Mechanically timed electrically H. W. Foster and R. L. Halpern. 2,653,200
Switch mechanism. W. L. Butler. 2,659,785.
Switch mechanism. W. Fisher. 2,662,941, De
Switch mechanism, Condition responsive elect Gray and C. S. Grimshaw. 2,658,121, Nov
Switch mechanism, Condition responsive elect Slonneger. 2,651,692, Sept. 8.
Switch mechanism, Direction indicator. J. 2,650,273, Aug. 25.
Switch mechanism, Flat crossbar. J. Kruithof. Sept. 8.
Switch mechanism for automobile clocks. F. ler. 2,663,769, Dec. 22.
Switch mechanism for coin selectors of the g type. W. J. Summers. 2,651,697, Sept. 8.
Switch mechanism for electric ranges and the cator. K. M. Hammell. 2,637,800, May 5.
Switch mechanism for wheeled vehicles. J. and C. M. Williamson. 2,630,480, Mar. 3.
Switch mechanism, Snap action electric. P. 2,632,073, Mar. 17.
Switch mechanism, Time. W. R. Miller. 2,63 31.
Switch mechanism, Transitory latching. J. A. E. J. Frank. 2,640,122, May 26.
Switch mount. W. R. Chandler and E. Koerner. Mar. 31.
Switch mounting. J. W. Lawson and W. 2,627,006, Jan. 27.
Switch mounting. E. Nathan. 2,651,281, Sep
Switch operating apparatus, Railway. H. 2,641,691, June 9.
Switch mounting enclosure, Electrical. W. A. 2,645,743, July 14.
Switch of the mercury type, Electric. I. 2,644,870, July 7.
Switch operating device, Electric. J. O. 2,646,693, July 28.
Switch or switch-fuse unit, Electric. 2,635,151, Apr. 14.
Switch point protector. J. Robinson. 2,657,8
Switch silencer, Impulse. G. J. Montalto. 2,6 13.
Switch structure, Electrical. J. B. Parsons. Jan. 13.
Switch structure for electrically operated va locking. C. C. Young. 2,639,094, May 19.
Switch unit, Circuit breaker. R. T. Casey. Nov. 17.
Switch unit, Light. W. H. Schafer. 2,654,00
Switch utilizing odd-even relay, Telephone selec Stehlik. 2,635,147, Apr. 14.
Switch wafer mounting clip. E. J. Zikmund Hatchett. 2,644,063, June 30.

Switch wipers, Making rotary. K. W. Graybill and H. Sengebusch. 2,641,050, June 9.
Switch with overload protection, Snap action electric. R. C. Ingwersen. 2,645,691, July 14.
Switch with stationary blades having cut-back edges, Dial. W. C. Sealey. 2,662,130, Dec. 8.
Switching apparatus. K. W. Graybill and H. Sengebusch. 2,658,111, Nov. 3.
Switching apparatus. A. T. Merkel. 2,647,964, Aug. 4.
Switching apparatus, Electrical. W. G. Bourne. 2,655,568, Oct. 13.
Switching apparatus, Electrical. S. R. Smith and H. W. Barrett. 2,632,065, Mar. 17.
Switching apparatus for electron tube capacitance measurements. R. E. Graham. 2,652,534, Sept. 15.
Switching apparatus, Low differential. R. T. Squier. 2,625,046, Jan. 13.
Switching arrangement for electrical measuring systems. L. Goodman. 2,628,994, Feb. 17.
Switching assembly for electrical prospecting, Precision. K. C. Crumrine. 2,640,097, May 26.
Switching control system. J. R. Neubauer. 2,658,172, Oct. 3.
Switching device. M. M. Levy. 2,651,718, Sept. 8.
Switching device, Alternating current. G. C. Hartley, F. H. Bray, and G. H. Hough. 2,655,605, Oct. 13.
Switching device, Dual voltage. H. L. Keith. 2,663,000, Dec. 15.
Switching device, Electric. V. G. Krenke. 2,653,198, Sept. 22.
Switching device, Electron. J. J. B. Lair. 2,651,740, Sept. 8.
Switching device, Electronic. R. B. Trousdale. 2,647,206, July 28.
Switching device, Thermostatic. R. A. Watson. 2,639,352, May 19.
Switching device, Vehicle. L. B. Forman. 2,638,516, May 12.
Switching means. W. C. Tregoning, Sr. 2,647,180, July 28.
Switching means for combined radio and television receivers, Selective electrical. E. D. Thorne. 2,659,001, Nov. 10.
Switching means for stand lamps, Selectable. V. J. Marchese. 2,632,098, Mar. 17.
Switching means for use in telegraph systems and the like, Automatic. R. M. M. Oberman. 2,664,459, Dec. 29.
Switching mechanism. G. X. Lens. 2,647,166, July 28.
Switching mechanism, Engine-function. J. W. Dickey. 2,648,746, Aug. 11.
Switching operating device, Electrical. H. T. Tornberg. 2,647,966, Aug. 4.
Switching system. J. H. Brundage. 2,663,010, Dec. 15.
Switching system, Automatic. P. C. Borel and M. R. Mauge. 2,651,681, Sept. 8.
Switching system, Automatic. W. H. Cuttino and L. G. Tubbs. 2,640,182, May 26.
Switching system for electrical telecommunications, Automatic. H. M. Veaux. 2,626,987, Jan. 27.
Switching system, High-speed electronic telephone. W. A. Malthaner and H. E. Vaughan. 2,655,559, Oct. 13.
Switching system, Pulse electronic. S. Van Mierlo and B. Derjavitch. 2,638,505, May 12.
Switching system, Pulse time position. D. H. Ransom, W. L. Roberts, and R. H. Taplin. 2,649,505, Aug. 18.
Switching system, Repeater. F. B. Bramhall, E. L. Newell, P. H. Wells, and C. H. Cramer. 2,658,945, Nov. 10.
Switching system, Telecommunication. E. P. G. Wright. 2,633,499, Mar. 31.
Switching system, Telegraph repeater. P. R. Easterlin. 2,630,483, Mar. 3.
Switching system, Teletypewriter. D. E. Branson and G. A. Locke. 2,635,139, Apr. 14.
Switching system, Teletypewriter. G. J. Knandel. 2,654,797, Oct. 6.
Switching system, Toll. J. E. Ostline. 2,631,195, Mar. 10.
Switching system, Two-motion. J. Krulthof. 2,640,882, June 2.
Switching system using secondary emission type beam tubes. W. Six, J. L. H. Jonker, and Z. V. Gelder. 2,662,177, Dec. 8.
Switching system with selection of local or trunk lines, Telephone. L. J. Denney, Jr. G. Duhamel, and R. W. Engsberg. 2,633,497, Mar. 31.
Swivel. C. Miller. 2,651,533, Sept. 8.
Swivel. L. R. Slyter and T. C. Maule. 2,648,579, Aug. 11.
Swivel. K. H. Wilcoxon. 2,633,375, Mar. 31.
Swivel ball adapter weight sensing device. L. B. Scott. 2,645,120, July 14.
Swivel connection between windshield wiper blade unit and arm. F. A. Krohm. 2,641,007, June 9.
Swivel connector. J. A. Carr, F. V. Haskell, S. M. Sutton, and O. L. Walter. 2,663,748, Dec. 22.
Swivel electrical connection for deep well drills. A. Arutunoff. 2,664,454, Dec. 29.
Swivel fastener. P. D. Becker. 2,653,415, Sept. 29.
Swivel for conveyer troughs. G. Baechli. 2,655,254, Oct. 13.
Swivel for positive initial grips. H. P. Dupre. 2,624,602, Jan. 6.
Swivel joint. J. F. Corby. 2,660,461, Nov. 24.
Swivel joint for multiconductor electric cables. A. Solari. 2,645,759, July 14.
Swivel pipe coupling. A. L. Grisé and F. E. Neef, Jr. 2,663,581, Dec. 22.
Swivel unit. N. R. Schwartz. 2,643,144, June 23.
Swiveled hondoo. J. F. Villmer. 2,643,638, June 30.
Sword with removable protector rod brackets. J. B. Goodgame. 2,661,772, Dec. 8.
Symmetrical sweep centering control. R. H. Mathes. 2,646,527, July 21.
Sync separation and automatic gain control. S. I. Tourshou. 2,652,450, Sept. 15.
Synchro data switching circuit. J. Corwin and S. Adler. 2,635,217, Apr. 14.
Synchro flash flood system. T. D. Hobbs. 2,635,216, Apr. 14.
Synchrometric multiplexing system. M. Wallace. 2,632,158, Mar. 17.
Synchronization circuit. A. W. Massman. 2,645,717, July 14.
Synchronization in color television. M. V. Kalfaian. 2,663,756, Dec. 22.
Synchronization system. N. W. Parker. 2,664,463, Dec. 29.
Synchronization system. K. Schlesinger. 2,628,313, Feb. 10.
Synchronized centrifugal clutch. E. R. Maurer. 2,647,602, Aug. 4.
Synchronizer. J. T. Anderson. 2,642,234, June 16.
Synchronizer. W. Palmer. 2,636,988, Apr. 28.
Synchronizer, Clock. H. Maerz. 2,634,575, Apr. 14.
Synchronizer clutch. R. H. Shenk. 2,640,573, June 2.
Synchronizer for curtain shutter cameras, Flash. H. Suzukawa. 2,643,597, June 30.
Synchronizing apparatus. D. G. C. Luck and L. L. Burns, Jr. 2,653,187, Sept. 22.
Synchronizing circuit. R. B. Dome. 2,654,033, Sept. 29.
Synchronizing clutch. E. C. Allen. 2,633,954, Apr. 7.
Synchronizing clutch. E. C. Allen and E. Scheuermeier. 2,633,955, Apr. 7.
Synchronizing generator. A. E. Wolfe, Jr. 2,644,887, July 7.
Synchronizing of an induction motor. E. M. Leyton. 2,650,335, Aug. 25.
Synchronizing pulse differentiating and rectifying circuit. K. Schlesinger. 2,628,276, Feb. 10.
Synchronizing signal separator. D. R. Clements. 2,640,103, May 26.
Synchronizing system. R. C. Abelson. 2,655,556, Oct. 13.
Synchronizing system. T. R. Burnight and R. A. Emmett, Jr. 2,658,196, Nov. 3.
Synchronizing system. V. J. Duke. 2,626,390, Jan. 20.
Synchronizing system. P. E. Reeves. 2,656,465, Oct. 20.
Synchronizing system, Electrical. F. A. Lindley and F. M. Arbuckle. 2,632,853, Mar. 24.
Synchronizing system for electronic tubes. R. C. Mierendorf. 2,638,566, May 12.
Synchronous contactor. J. L. Russell. 2,636,094, Apr. 21.
Synchronously operated regulator. A. M. Cohen. 2,654,063, Sept. 29.
Synchronously-operated switch. E. M. Barr. 2,635,155, Apr. 14.
Synergistic antioxidant composition. E. F. Hill and M. L. Welp. 2,657,982, Nov. 3.
Synergistic stabilizing compositions. E. F. Hill and M. L. Osip. 2,657,983, Nov. 3.
Synnematin and producing the same. R. Y. Gottshall, J. M. Roberts, and L. M. Portwood. 2,658,018, Nov. 3.
Synthesis control process. C. E. Starr, Jr., and E. M. Charlet. 2,6[illegible]4,904, Apr. 28.
Synthesis gas generation. F. H. Moore. 2,655,443, Oct. 13.
Synthesis gas, Manufacture of. W. A. Herbst. 2,631,933, Mar. 17.
Synthesis gas, Manufacture of. T. B. Hudson. 2,661,270, Dec. 1.
Synthesis gas with a 1 : 1 ratio H_2 to CO, Making. B. J. Mayland and S. G. Stewart. 2,638,452, May 12.
Synthesis of acetic acid from CO and methanol. E. B. Thomas and E. H. Alcock. 2,650,245, Aug. 25.
Synthesis of adenosine-5'-triphosphate. A. R. Todd and A. M. Michelson. 2,645,637, July 14.
Synthesis of aliphatic silanes. A. J. Barry, L. De Pree, and D. E. Hook. 2,626,268, Jan. 20.
Synthesis of alkylene cyanohydrins. L. S. Luskin. 2,653,162, Sept. 22.
Synthesis of diamines. R. C. Schreyer. 2,640,082, May 26.
Synthesis of estrone. W. S. Johnson and R. G. Christiansen. 2,663,716, Dec. 22.
Synthesis of 4-hydroxy-2-cyclopenten-1-ones. M. S. Schechter and F. B. La Forge. 2,661,374, Dec. 1.
Synthesis of higher aliphatic oxygen-containing compounds. W. F. Gresham and A. J. Hill, Jr. 2,640,074, May 26.
Synthesis of lepidinium salts. D. W. Heseltine and L. G. S. Brooker. 2,636,035, Apr. 21.
Synthesis of liquid hydrocarbons. J. H. Arnold and F. B. Grosselfinger. 2,628,970, Feb. 17.
Synthesis of octyl alcohols. P. T. Parker. 2,637,746, May 5.
Synthesis of organic compounds. L. R. Hill and H. G. McGrath. 2,640,843, June 2.
Synthesis of organic compounds. H. G. McGrath. 2,637,739, May 5.

Synthesis of oxygenated organic compounds. J. K. Mertzweiller. 2,636,903, Apr. 28.
Synthesis of quinaldinium salts. D. W. Heseltine. 2,646,433, July 21.
Synthesis of 3-[beta-keto-gamma-(2-piperidyl) propyl]-4-quinazolone compounds. B. R. Baker and M. V. Querry. 2,625,549, Jan. 13.
Synthesis of 2-amino-4,6-dimethyl pyrimidine. T. F. Scholz and G. M. Smith. 2,660,579, Nov. 24.
Synthesizing 4,4'-biphenyl diisocyanate. E. E. Fauser. 2,643,264, June 23.
Synthesizing large single crystals of quartz. I. I. Friedman and O. F. Tuttle. 2,638,408, May 12.
Synthesizing pteridines. M. J. Fahrenbach. 2,654,755, Oct. 6.
Synthetic constructional boards and products thereof, Making. J. G. Meller, E. G. Hallonquist, and A. H. Rauch. 2,635,976, Apr. 21.
Synthetic detergent cakes. W. J. D. van Dijck and B. P. Geyer. 2,653,913, Sept. 29.
Synthetic drying oil and making same. L. Pritzker. 2,627,479, Feb. 3.
Synthetic drying oils and preparing same. J. F. Nelson and A. H. Gleason. 2,650,209, Aug. 25.
Synthetic fiber preparation. G. E. Ham. 2,656,329, Oct. 20.
Synthetic fiber preparation from solutions of acrylonitrile polymers in dimethyl phosphite. G. E. Ham. 2,641,585, June 9.
Synthetic gem production. M. H. Barnes. 2,635,554, Apr. 14.
Synthetic linear condensation polymers containing phosphorus. P. W. Morgan. 2,646,420, July 21.
Synthetic lubricating oil. L. A. Mikeska and L. T. Eby. 2,651,657, Sept. 8.
Synthetic lubricating oil. L. A. Mikeska and P. V. Smith, Jr. 2,642,452, June 16.
Synthetic manufacture of hydrocarbon oils. M. Steinschlaeger. 2,630,447, Mar. 3.
Synthetic resin and insulated products produced therewith. F. A. Sattler, J. Swiss, and J. G. Ford. 2,626,223, Jan. 20.
Synthetic resin and making the same from furacrolein, furfural, and formaldehyde. W. J. Lantz and J. M. Walters. 2,660,573, Nov. 24.
Synthetic resinous material, Production of. C. G. Evans and P. H. Bishop. 2,640,797, June 2.
Synthetic resins. G. L. Doelling and K. H. Adams. 2,625,530, Jan. 13.
Synthetic resins from dicyanodiamide, Preparation of. F. Kaess and E. Doehlemann. 2,662,868, Dec. 15.
Synthetic resins from phenols and aldehydes and of polyphenols therefor, Manufacture of. F. J. Hermann. 2,645,623, July 14.
Synthetic rubber-carbon black mixtures, Preparation of. J. W. Adams. 2,658,049, Nov. 3.
Synthetic rubber emulsion polymerizations at subfreezing temperatures. R. W. Brown. 2,628,956, Feb. 17.
Synthetic rubber-like materials from an alkyl acrylate and an aliphatic diene hydrocarbon. C. H. Fisher and W. C. Mast. 2,643,247, June 23.
Synthetic substances of the polysaccharide type. M. Stacey and W. G. Overend. 2,649,421, Aug. 18.
Syringe. R. Borda. 2,650,592, Sept. 1.
Syringe. N. S. Waterman. 2,627,856, Feb. 10.
Syringe and cartridge therefor, Hypodermic. C. B. Goodstein and M. B. Mittleman. 2,655,919, Oct. 20.
Syringe bag. D. E. Parks. 2,629,377, Feb. 24.
Syringe, Cartridge. F. E. Brown. 2,646,798, July 28.
Syringe casing and stoppered cylindrical ampoule for direct injection. O. Pontius. 2,660,168, Nov. 24.
Syringe cleaner. W. A. Johnson. 2,638,612, May 12.
Syringe, Disposable. G. M. Hickey. 2,661,740, Dec. 8.
Syringe, Dosing hypodermic. J. L. Kas, Sr. 2,632,445, Mar. 24.
Syringe for medical use, Piston. S. Hertig-Hüsler and W. Hertig. 2,646,043, July 21.
Syringe for the application of nascent oxygen, especially for dental purposes. M. Badan. 2,662,523, Dec. 15.
Syringe holder. A. Marcelli. 2,627,857, Feb. 10.
Syringe, Hygienic. J. E. Fallon. 2,649,089, Aug. 18.
Syringe, Hypodermic. T. Åberg. 2,643,654, June 30.
Syringe, Hypodermic. W. L. Beebe. 2,645,224, July 14.
Syringe, Hypodermic. D. O. Furnell. 2,658,511, Nov. 10.
Syringe, Hypodermic. D. Gabriel. 2,626,603, Jan. 27.
Syringe, Hypodermic. J. C. Nadeau. 2,626,604, Jan. 27.
Syringe, Self-propelled automatic. G. B. Glass. 2,627,270, Feb. 3.
Syringe supporting and identifying tray. R. A. Duley and M. E. Hosler. 2,659,485, Nov. 17.
Syringe tubes, Making. G. D. Brown. 2,631,333, Mar. 17.
Syringe, Vaginal. C. D. Purser. 2,627,271, Feb. 3.
Syringe, Wall fountain. C. E. Dye. 2,642,869, June 23.
Syringes with interchangeable pistons and barrels, Manufacturing glass. S. Kolodny, N. Micci, and N. Krueger. 2,641,093, June 9.
Syringe with vernier adjustment. A. S. Howard and W. Selesnick. 2,626,087, Jan. 20.
System and apparatus for determining the listening habits of wave signal receiver users. G. R. Cordell. 2,660,507, Nov. 24.
System and apparatus for determining the listening habits of wave signal receiver users. H. A. Rahmel. 2,630,367, Mar. 3.
System and apparatus for determining the listening habits of wave signal receiver users. H. A. Rahmel. 2,660,508, Nov. 24.
System and apparatus for determining the listening habits of wave signal receiver users. S. A. Scherbatskoy. 2,652,310, Sept. 15.
System and apparatus for dispensing fluids. G. H. Cannella. 2,634,023, Apr. 7.
System and apparatus for gaseous tubes. C. R. Kazebee. 2,648,802, Aug. 11.
System and apparatus for obtaining a beam of high energy electrons from charged particle accelerators. H. C. Pollock. 2,640,923, June 2.
System and apparatus for the formation of optical images. D. Harker. 2,653,249, Sept. 22.
System and means for determination of distance and direction. H. F. Rost and P. H. E. Claesson. 2,648,062, Aug. 4.
System and method of generating seismic waves in the earth. J. E. Hawkins and W. E. Pugh. 2,630,188, Mar. 3.
System for automatically ticketing telephone calls. J. B. Retallack. 2,657,268, Oct. 27.
System for controlling flow of circulating liquid. J. E. Woods. 2,656,114, Oct. 20.
System for controlling the movements of hydraulically operated pistons. R. Détrez. 2,644,309, July 7.
System for controlling the position of a shaft in its bearings. P. Gerard and H. Seranne. 2,663,977, Dec. 29.
System for determination of velocity. E. F. MacNichol and I. H. Sudman. 2,626,986, Jan. 27.
System for determining listening habits of radio receiver users. H. A. Rahmel. 2,630,365, Mar. 3.
System for determining the audience response to programs broadcast from wave signal transmitting stations. H. A. Rahmel. 2,630,366, Mar. 3.
System for elevating contact material. W. L. McClure. 2,659,633, Nov. 17.
System for energizing electrical precipitators and the like. P. C. Backer and H. E. Van Hoesen. 2,642,149, June 16.
System for generating a periodic scanning current. A. Hazeltine. 2,646,532, July 21.
System for generating scanning currents. A. Hazeltine. 2,646,526, July 21.
System for indicating time-space lag and lead. H. G. Savino. 2,656,528, Oct. 20.
System for measuring and recording the forces acting on airplane controls and the like. W. W. Wood, Jr., and L. E. Lundquist, Jr. 2,663,187, Dec. 22.
System for measuring phase and gain. E. W. Houghton. 2,625,589, Jan. 13.
System for measuring phase distortion in transmission networks, particularly cables. J. Selz. 2,632,792, Mar. 24.
System for measuring radioactivity. A. Greenfield and J. F. Clayton. 2,648,015, Aug. 4.
System for measuring radioactivity. I. H. McLaren and C. E. Alsterberg. 2,643,344, June 23.
System for measuring the thickness of opaque objects. R. H. Rines. 2,640,190, May 26.
System for mixing vaporized hydrocarbons with air. J. J. Mailr, Jr. 2,643,044, June 30.
System for obtaining nitrogen from air by adsorption of oxygen. J. A. Lawler. 2,664,171, Dec. 29.
System for proportioning fluid flow to control signal magnitude. H. Ziebolz. 2,655,902, Oct. 20.
System for removal of heat energy from light beams. F. D. Leslie and H. E. Bragg. 2,628,525, Feb. 17.
System for shutting down and operating thermal prime movers. T. J. Warrick and C. A. Brancke. 2,663,803, Dec. 22.
System for studying electrical waves. A. L. Olson. 2,640,927, June 2.
System for synchronizing series of recurring pulse emissions. G. H. Musselman. 2,646,510, July 21.
System for the electromagnetic spotting of movable targets. H. G. de France. 2,644,940, July 7.
System for the photographing and showing of stereoscopic motion pictures. R. L. Huber. 2,627,200, Feb. 3.
System for the supply of conditioned air in aircraft. A. W. H. Jamieson. 2,644,315, July 7.
System for the transmission of intelligence by radio. J. E. Robinson. 2,632,148, Mar. 17.
System for transmitting and receiving coded entertainment programs. W. M. Tomberlin, L. G. MacKenzie, and P. K. Bennett. 2,630,525, Mar. 3.
System of aerial navigation. J. B. Bartow. 2,643,374, June 23.
System of auxiliary carburetion for internal-combustion engines. E. A. Rockwell. 2,650,081, Aug. 25.
System of can transfer. G. B. Stryker. 2,640,639, June 2.
System of changing the frequency band occupied by a telephonic transmission. H. M. Veaux. 2,650,949, Sept. 1.
System of cooling dwellings. A. O. Schramm. 2,637,181, May 5.
System of determining the listening habits of wave signal receiver users. S. A. Scherbatskoy. 2,662,168, Dec. 8.
System of radiant heat exchanging. C. A. Mills. 2,651,503. Sept. 8.

System of radio aids for aerial navigation in the vicinity of airports. R. G. Lloyd and W. H. Young. 2,638,589, May 12.
System responsive to liquid level. A. R. Erickson and W. P. Johnson. 2,659,068, Nov. 10.
System responsive to liquid levels. C. G. Sontheimer. 2,662,404, Dec. 15.
t-butylsilanes. L. H. Sommer. 2,626,270, Jan. 20.
T-joint, Making a welded. R. C. Davis. 2,642,652, June 23.
T-square and parallel straightedge combination. C. O. Larson. 2,627,323, Feb. 3.
Tab for addressing machine plates. E. Ostwaldt. 2,660,176, Nov. 24.
Tab strip fin for heat exchanger cores. R. L. Lyerly and S. Holm. 2,656,160, Oct. 20.
Table: *See*—
Breakout table.
Center extension serving table.
Collapsible hinged table.
Collapsible table.
Collapsible wall table.
Conveyer control table.
Conveyer table.
Drafting table.
Drop table.
Electric table.
Film developing table.
Foldable exercising and resting table.
Foldable vertically adjustable table.
Folding sectional top utility table.
Folding table
Fracture table.
Height-adjustable table.
Index table.
Instrument repair lighting table.
Interfitted and interengaged nesting table.
Ironing table.
Knockdown cabinet-type display table.
Knockdown table.
Lap table.
Multiple extension drop-leaf table.
Multipurpose sectional top table.
Overbed table.
Portable and adjustable packing table.
Portable folding oven table.
Portable pressing table.
Printer's central post form table.
Recreation table.
Rotary work holding table.
Sectional connected reading and recitation table.
Sewing machine table.
Spinal column aligning table.
Spring grip table.
Surgical table.
Therapeutic table.
Therapeutic traction table.
Vertically adjustable drafting board table.
Vertically adjustable table.
Veterinary's portable operating table.
Table. P. Records. 2,659,642, Nov. 17.
Table and bench assembly, Knockdown picnic. J. P. Lysaght. 2,661,792, Dec. 8.
Table and bench combination, Foldable. M. C. Borns. 2,642,123, June 16.
Table and bench, Folding. P. M. Seymour. 2,642,925, June 23.
Table and cabinet, Combined portable. C. A. Thatcher. 2,662,989, Dec. 15.
Table and chair, Collapsible. A. E. F. de Martini. 2,653,652, Sept. 29.
Table and easel combination. L. L. Westcamp. 2,644,732, July 7.
Table and ironing board combination. P. D. Gysin. 2,624,137, Jan. 6.
Table and leg fastening therefor, Apronless. J. Streng. 2,650,148, Aug. 25.
Table and means for detachably connecting the same to a support, Folding. C. M. Mugler. 2,650,146, Aug. 25.
Table and seat assembly, Foldable. C. F. Hoffar. 2,647,562, Aug. 4.
Table and seat combination, Folding. R. G. Woodley. 2,631,653, Mar. 17.
Table and the like. G. A. Watrous. 2,657,964, Nov. 3.
Table apparatus, Drop. L. D. Holmes and R. S. Hammond. 2,640,436, June 2.
Table attachment for furniture. V. R. Zentmire. 2,635,680, Apr. 21.
Table ensemble, Collapsible service. H. Derman. 2,643,925, June 30.
Table for constructing building frames. A. P. Le Vay. 2,662,565, Dec. 15.
Table for corn forage harvesters. C. E. Everett and D. E. McCuaig. 2,636,329, Apr. 28.
Table for detachable connection to chairs. B. Siff. 2,625,986, Jan. 20.
Table for infants' bath stands, Dressing. E. C. Trimble and W. C. Baxter. 2,645,540, July 14.
Table for servicing railroad vehicles and the like, Side release. C. C. Griffiths. 2,640,435, June 2.
Table having adjustable top sections. F. Arnold. 2,649,206, Aug. 18.
Table leg and table top retainer, Combination. C. P. Molla. 2,660,501, Nov. 24.
Table leg construction, Adjustable. M. C. McGinley. 2,630,360, Mar. 3.
Table leg pivot and latch mechanism. W. O. Brown. 2,625,454, Jan. 13.
Table leg pivot latch mechanism. G. H. Norquist. 2,660,498, Nov. 24.
Table of the drophead type, Sewing machine. E. W. Stanton. 2,654,650, Oct. 6.
Table or head positioning attachment for drill presses and the like. R. E. Frushour. 2,638,800, May 19.
Table or tray, Crossed leg folding. J. W. Bryan. 2,652,299, Sept. 15.
Table serving for medical treatment of the human body. G. Schwalbe. 2,660,495, Nov. 24.
Table shrine. S. A. Brockway. 2,657,966, Nov. 3.
Table slide mechanism, Extension. P. Snyder. 2,646,323, July 21.
Table stand for hot casserole dishes. B. Yellin. 2,663,172, Dec. 22.
Table top and making the same, Ironing. H. E. Hortman, Jr. 2,663,957, Dec. 29.
Table stop, Hydraulic. J. Daugherty. 2,631,503, Mar. 17.
Table structure, Bedside. H. M. Berner. 2,628,147, Feb. 10.
Table, tennis table, or the like, Folding. D. T. Thompson. 2,645,539, July 14.
Table top and back splash construction, Knockdown. J. Stanitz. 2,646,326, July 21.
Table top construction. G. H. Norquist. 2,660,500, Nov. 24.
Table top, Round folding supplemental. H. Derman. 2,634,183, Apr. 7.
Table top, Sliding. K. J. Draxler. 2,659,641, Nov. 17.
Table top structure, Convertible sewing machine. H. D. Stump. 2,631,074, Mar. 10.
Table top, Vertically adjustable. E. G. Rudman. 2,643,922, June 30.
Table with adjustable top sections, Operating. W. Meyer. 2,636,793, Apr. 28.
Table with adjustment mechanism, Sectional top operating. H. R. Shampaine. 2,647,026, July 28.
Table with automatic locking mechanism, Foldable. J. Pucci. 2,643,926, June 30.
Table with elevating structure, Folding end extensible. D. Graber and H. Graber. 2,652,300. Sept. 15.
Table with folding legs. R. M. Kraska. 2,664,329, Dec. 29.
Table with folding top, Combination extension. M. Wurm, 2,651,555, Sept. 8.
Table with hinged leaves and actuated rims, Center extension. V. Mareček. 2,631,910, Mar. 17.
Table with retractable casters. R. A. Cramer. 2,655,387, Oct. 13.
Table with sectional top, Folding. J. W. Bereman. 2,646,324, July 21.
Tables, Artistically shaped folding leg. G. H. Norquist. 2,660,497, Nov. 24.
Tablet container. W. F. Davoren. 2,655,259, Oct. 13.
Tablet crusher. S. D. Morgan and D. D. McDaniel. 2,631,786, Mar. 17.
Tablet dispenser. H. B. Lewis, G. M. Larson, and H. Field, Jr. 2,649,994, Aug. 25.
Tablet, Moldable. H. Libberton. 2,632,722, Mar. 24.
Tabular device for musical modulation. W. E. Carran, Jr. 2,657,610, Nov. 3.
Tabulating mechanism for accounting machines, Automatic skip-tab. W. H. von Hacht. 2,650,758, Sept. 1.
Tabulating mechanism for accounting machines, Skip. W. A. Anderson. 2,647,691, Aug. 4.
Tabulating mechanism for typewriters and like machines. W. T. Sagner. 2,655,245, Oct. 13.
Tabulation control incident to indexing a multiplication factor. G. C. Eilerbeck. 2,634,053, Apr. 7.
Tachistoscope. V. M. O'Flaherty. 2,637,130, May 5.
Tachistoscopic device. S. H. Bloch and E. Gylling. 2,647,329, Aug. 4.
Tachometer. E. R. Mann and R. G. Hester. 2,630,529, Mar. 3.
Tachometer, Electric. P. Wargo. 2,649,559, Aug. 18.
Tachometer, Magnetic drag. J. H. Andresen, Jr. 2,642,274, June 16.
Tack rag. C. C. Wright and P. Dickerson. 2,633,593, Apr. 7.
Tacker, Hand. F. S. Boroughs. 2,657,384, Nov. 3.
Tacking for pressure sensitive adhesive tape and adhesive roll for the same. I. Kaplan. 2,634,877, Apr. 14.
Tackle box seat. E. S. Frost. 2,657,734, Nov. 3.
Tackle box support. R. M. Witt. 2,631,807, Mar. 17.
Tag. H. F. Stoffel. 2,662,321, Dec. 15.
Tag and case therefor, Identifying. G. A. Gazan, Jr. 2,629,952, Mar. 3.
Tag and method of and apparatus for applying same, Garment. H. S. Owen. 2,646,635, July 28.
Tag strap, Luggage. M. L. Duskin. 2,655,747, Oct. 20.
Tail cone having radially adjustable wall. J. Y. Estabrook. 2,641,104, June 9.
Tail cutter for winding machines. J. W. May. 2,634,917, Apr. 14.
Tail gate for loading and unloading vehicles. R. F. W. Berford and C. W. Wood. 2,626,067, Jan. 20.
Tail gate loader and packer. J. P. Calamore. 2,660,326, Nov. 24.
Tail pipe assembly, Jet engine. D. W. Fentress. 2,640,317, June 2.
Tail pipe terminal silencer. J. G. Johnston. 2,652,127, Sept. 15.
Tailstock spindle clamping device. M. De Haas. 2,636,579, Apr. 28.
Takedown type swingable wall bracket. R. E. McLean. 2,646,241, July 21.
Take-out device for glass blowing machines. J. L. Woolling. 2,634,552, Apr. 14.
Take-up. C. C. Jessen. 2,663,174, Dec. 22.
Takeup apparatus. E. D. Hanson. 2,626,111, Jan. 20.
Take-up attachment for steering idler. J. B. Dick and H. Vanderburg. 2,631,864, Mar. 17.

Take-up block for wire drawing. D. Revak and F. W. Riedel. 2,648,503, Aug. 11.
Take-up device for automobile steering idlers. M. E. Balcom. 2,632,656, Mar. 24.
Take-up for knitting machines. A. X. Desmonds. 2,641,117, June 9.
Take-up for sewing machines, Rotary. R. H. Van Wagener, R. Carmichael, and F. Parry. 2,636,464, Apr. 28.
Take-up means for knitting machines. J. S. Moss. 2,636,364, Apr. 28.
Take-up steady rest, Automatic. L. L. Hazen. 2,655,828, Oct. 20.
Talc crayon production. J. E. Norwood. 2,627,089, Feb. 3.
Tall oil-polyamino-aldehyde reaction product. A. F. Schmutzler. 2,640,814, June 2.
Tally board. J. H. Newman. 2,628,776, Feb. 17.
Tamperproof plug valve. J. G. Bradbury. 2,628,058, Feb. 10.
Tamperproof pocket autographic register. M. J. Uline. 2,625,409, Jan. 13.
Tamping machine. A. Godenir. 2,646,729, July 28.
Tampon. E. C. Brown. 2,629,381, Feb. 24.
Tandem axle suspension construction. R. F. Thornton. 2,644,698, July 7.
Tandem-bed hydroforming process. A. Clark. 2,645,604, July 14.
Tandem chuck wind-up. F. S. Pollock, Jr. 2,647,697, Aug. 4.
Tandem drive mechanism. E. F. Norelius. 2,659,246, Nov. 17.
Tandem expansible rotary drill bit. A. W. Kammerer. 2,654,575, Oct. 6.
Tandem office for telephone systems, Crossbar. W. T. Haines and J. B. Newsom. 2,658,108, Nov. 3.
Tandem rotor helicopter. A. B. Croshere, Jr., S. Kleinhans, and C. C. Wood. 2,629,568, Feb. 24.
Tandem suspension for tractors and trailers. G. M. Turner. 2,637,569, May 5.
Tangential pneumatic separator. L. A. Rowell. 2,643,734, June 30.
Tank: *See*—
Antisweat flush tank.
Auxiliary fuel supply tank.
Elevated storage tank.
Floating storage tank.
Flush tank.
Fuel tank.
Hog watering tank.
Hot water tank.
Knockdown fuel tank.
Marine oil storage tank.
Metal tank.
Oil tank.
Outboard motor test tank.
Portable dispensing tank.
Refrigerator tank.
Reserve fuel tank.
Septic tank.
Sprayer tank.
Submerged blast reaction tank.
Temperature controlled water tank.
Toilet tank.
Water saving flush tank.
Tank and conveying means for liquid material, Storage. F. O. Trump. 2,655,292, Oct. 13.
Tank and filter assembly, Fuel. W. C. Geiser and T. J. Flamm. 2,633,245, Mar. 31.
Tank and stabilizer means, Collapsible. F. E. Smith and N. H. Friedman. 2,638,951, May 19.
Tank and valve structure, Dispensing. S. D. Pool and W. F. Collins. 2,637,979, May 12.
Tank cap. F. N. Mariani. 2,657,824, Nov. 3.
Tank closure. N. Walker. 2,652,945, Sept. 22.
Tank closure fastener. L. S. Augspurger and D. F. Hasse. 2,655,397, Oct. 13.
Tank construction. M. Cervino and F. Sollinger. 2,662,538, Dec. 15.
Tank construction. O. Janssen. 2,660,048, Nov. 24.
Tank construction for liquid cargo vehicles. F. G. Arkoosh. 2,630,236, Mar. 3.
Tank construction, Storage. E. B. Ayers. 2,632,466, Mar. 24.
Tank cooling device and air cooling device. L. Lefevre. 2,626,791, Jan. 27.
Tank facility, Storage. J. T. Roberts. 2,644,612, July 7.
Tank fill connection. F. W. Exton. 2,647,768, Aug. 4.
Tank fitting, Composite. P. E. Gaylard, J. L. Hawley, and J. H. Ries. 2,630,340, Mar. 3.
Tank for confection molds, Defrosting. A. Friedman. 2,632,453, Mar. 24.
Tank for fowl, Sectional scalding. A. W. Sharp. 2,649,615, Aug. 25.
Tank for heat-treating processes, Quench. W. C. Hiatt and W. B. Cheney. 2,638,909, May 19.
Tank for lures and propulsion means therefor, Display. C. S. Renwick, Jr. 2,629,188, Feb. 24.
Tank for seed treating machines, Slurry. M. W. Guyer. 2,639,812, May 26.
Tank for testing the bearing value of a column, Dead weight. I. W. Alcorn. 2,639,611, May 26.
Tank for the manufacture of glass. P. Arbeit. 2,646,648, July 28.
Tank gauge. B. E. Colburn. 2,651,200, Sept. 8.
Tank head fitting with safety factor. W. McCandless. 2,624,821, Jan. 6.
Tank level control. P. W. Robinson. 2,625,658, Jan. 13.
Tank lever, Flush. B. R. Crampton. 2,627,607, Feb. 10.
Tank plug. S. C. Woodward. 2,636,514, Apr. 28.
Tank pump down, Automatic. R. R. Cyr. 2,652,188, Sept. 15.
Tank reactor. C. A. Bishop and T. F. Reed. 2,655,436, Oct. 13.
Tank stripper, Adjustable. C. D. Roach. 2,63[illegible] 12.
Tank structure, Plating. W. Messinger and D[illegible] 2,634,878, Apr. 14.
Tank type suction cleaner. L. L. Miller and H[illegible] 2,639,002, May 19.
Tank with a solids impeller means having [illegible] submerged drivewheel, Liquid treatment. A[illegible] III. Re. 23,714, Sept. 29.
Tank with discharge coupling, Fuel. C. [illegible] 2,628,741, Feb. 17.
Tank with floating roof. F. O. Mjellem. 2,651,4[illegible]
Tank with strengthened roof, Hydrocarbon stor[illegible] Mercier. 2,649,059, Aug. 18.
Tanning agents and preparation. W. B. St[illegible] 2,639,968, May 26.
Tanning materials and preparing the same. K.[illegible] 2,653,967, Sept. 29.
Tap box. E. D. Idzi. 2,628,009, Feb. 10.
Tap, Illuminated. L. S. Hetherington. 2,631,3[illegible]
Tapped insert driver. B. A. McKean. 2,637,2[illegible]
Tapping machine. H. J. Woock. 2,637,052,[illegible]
Tape. G. W. Ewald. 2,648,118, Aug. 11.
Tape. R. Weinberg. 2,652,705, Sept. 22.
Tape, Adhesive. C. W. Bemmels. 2,647,843, [illegible]
Tape and mount therefore, Measuring. H.[illegible] 2,634,919, Apr. 14.
Tape applying movement. A. E. Johnson. [illegible] Sept. 15.
Tape cleaner for cotton spinning machines. L[illegible] 2,627,715, Feb. 10.
Tape connecting means, Counterbalance. E. M[illegible] Sr., and E. M. Trammell, Jr. 2,640,222, Ju[illegible]
Tape connection. L. D. Singleton. 2,634,967,[illegible]
Tape-controlled camera shutter and release.[illegible] 2,629,302, Feb. 24.
Tape controlled converter. R. L. Doerrfeld.[illegible] Mar. 31.
Tape cutter. H. A. Coldiron. 2,626,666, Jan.[illegible]
Tape cutter and splicing device. H. A. Simpson.[illegible] Nov. 24.
Tape cutting device. P. Van Cleef. 2,655,214,[illegible]
Tape dispenser. K. Glew. 2,664,252, Dec. 29.[illegible]
Tape dispenser. R. Guyer. 2,640,657, June [illegible]
Tape dispenser. T. R. Price and R. L. Brown.[illegible] Nov. 3.
Tape dispenser. H. W. Rodgers. 2,663,510, D[illegible]
Tape dispenser provided with adjustable brus[illegible] T. H. Krueger. 2,629,358, Feb. 24.
Tape-dispensing device. A. P. Krueger. 2,654[illegible]
Tape end for quick-release zippers. R. W[illegible] 2,658,251, Nov. 10.
Tape feeding and dispensing. G. H. Fritzinger.[illegible] Feb. 10.
Tape for joining carpet sections, Extensible.[illegible] hard. 2,647,850, Aug. 4.
Tape for slide fasteners. N. J. Poux. 2,651,[illegible]
Tape guide, and presser for tape recorders, a[illegible] F. K. Krag. 2,644,690, July 7.
Tape guiding apparatus. D. Picucci. 2,653,5[illegible]
Tape handling device. E. M. Smith. 2,636,7[illegible]
Tape handling mechanism. W. H. Uhl and [illegible] hoefer. 2,631,534, Mar. 17.
Tape, Laundry calender. W. I. Taylor and S.[illegible] 2,647,845, Aug. 4.
Tape measure. A. I. Eyster. 2,645,856, July[illegible]
Tape measure, Detachable. J. L. Clark. 2,6[illegible] 13.
Tape, Measuring. A. R. A. Beeber. 2,658,[illegible]
Tape, Measuring. A. R. A. Beeber. 2,659,153[illegible]
Tape, Measuring. W. F. Dart. 2,663,941, D[illegible]
Tape, Measuring. H. Kragness. 2,627,117,[illegible]
Tape measuring dispenser. A. P. Krueger.[illegible] Oct. 6.
Tape, Multiple layer stay. D. S. Bruce, P. W[illegible] and H. L. Heise. 2,651,588, Sept. 8.
Tape perforator, Keyboard. I. Naxon. 2,633,[illegible]
Tape recorder feed mechanism. R. H. Carson[illegible] Nov. 10.
Tape reel mounting. H. W. Lindsay. 2,639,[illegible]
Tape-reeling system. W. W. Watts. 2,628,0[illegible]
Tape release for tape applicators. I. Kaplan[illegible] July 14.
Tape roll supporting means. A. T. Hart.[illegible] Jan. 20.
Tape support for Venetian blinds. R.[illegible] 2,652,114, Sept. 15.
Tape, Venetian blind ladder. B. Walker. 2,6[illegible] 24.
Taping machine. P. J. Dewyer. 2,648,882,[illegible]
Taping machine. A. A. Wagner, A. J. We[illegible] Tumpak. 2,649,221, Aug. 18.
Taping machine. A. A. Wagner, A. J. Werne[illegible] Ross. 2,653,727, Sept. 29.
Taper gauge. B. A. Whiteman. 2,639,511,[illegible]
Taper roller bearing. M. Frenkel. 2,631,904[illegible]
Tapered conductor. T. B. Gibbs, S. Dinerstei[illegible] Gilman. 2,638,522, May 12.
Tappet adjusting tool. R. E. Lee. 2,637,22[illegible]
Tappet, Automatic. H. H. Engemann. 2,630,[illegible]
Tappet, Automatic. H. H. Engemann. 2,633,[illegible]
Tappet, Hydraulic. R. C. Moser. 2,645,215[illegible]
Tappet, Hydraulic. S. Oldberg. 2,654,356,[illegible]
Tappet, Self-adjusting. C. E. Johnson. 2,64[illegible]

Tappet, Self-adjusting mechanical. J. W. Humphreys. 2,637,309, May 5.
Tare adjustment device. E. C. Karp and S. G. Berglund. 2,658,746, Nov. 10.
Target, Accelerator. E. M. McMillan. 2,640,924, June 2.
Target apparatus, Moving. L. J. T. Flory. 2,658,759, Nov. 10.
Target, Automatic. S. and H. C. Johannsen. 2,658,758, Nov. 10.
Target, Dart game. C. F. Fleigle. 2,633,360, Mar. 31.
Target, Flying. R. E. Clyne. 2,630,321, Mar. 3.
Target, Flying. L. R. Jordan. 2,650,829, Sept. 1.
Target for color-kinescopes, etc., Electron-sensitive. R. R. Law. 2,631,253, Mar. 10.
Target for particle accelerators. F. R. Weber, Jr. 2,626,359, Jan. 20.
Target indication system, Self-synchronous moving. A. E. Benfield. 2,659,080, Nov. 10.
Target mechanism, Light beam. E. G. Henry. 2,659,606, Nov. 17.
Target, Pitcher's control practice. C. J. Lecznar. 2,628,097, Feb. 10.
Target projector, Variable throwing angle. G. J. Puth. 2,656,831, Oct. 27.
Target throwing machine. G. H. Darrell. 2,652,820, Sept. 22.
Tarnish remover. F. A. Lowenheim. 2,628,199, Feb. 10.
Taximeter. R. A. Miller. 2,629,548, Feb. 24.
Taximeter. J. G. Weisinger. 2,650,757, Sept. 1.
Taximeter. R. Winch. 2,637,492, May 5.
Tea extraction. W. R. Johnston, I. M. Reich, and G. E. Miller. 2,639,237, May 19.
Teakettle and handle, Whistling. K. E. Porter. 2,624,493, Jan. 6.
Teakettle having toggle acting spout cap. F. W. Mueller. 2,638,253, May 12.
Teakettle, Singing. T. W. Lewis. 2,630,776, Mar. 10.
Teapot set. A. P. Freeman. 2,661,678, Dec. 8.
Tear-cord applying machine and method. W. F. Hanser. 2,661,582, Dec. 8.
Tear out closure. R. B. Battersby. 2,630,238, Mar. 3.
Tear strip guide. W. H. Inman. 2,660,331, Nov. 24.
Tear strip remover for cans. A. Bodin and E. K. Lotthammer. 2,625,294, Jan. 13.
Tear strip remover with overlapping edges, Tubular. J. C. Baisch. 2,638,244, May 12.
Teat cot. G. L. Wright. 2,636,492, Apr. 28.
Teat protector for dairy cattle. R. E. Smith. 2,649,073, Aug. 18.
Teeing machine, Coin controlled ball. J. Mozel. 2,639,919, May 26.
Teeth cleaning unit. M. Boulicault. 2,656,843, Oct. 27.
Teething rail. A. G. Feldman. 2,636,189, Apr. 28.
Telecentric objective. R. M. Muller. 2,625,856, Jan. 20.
Telecommunication exchange, Cordless switchboard. E. P. G. Wright. 2,633,500, Mar. 31.
Telecommunication exchange system. G. C. Hartley and D. A. Weir. 2,640,872, June 2.
Telecommunication selection system, Cyclic pulse controlled. M. den Hertog. 2,664,467, Dec. 29.
Telecommunication system. A. H. Reeves. 2,631,194, Mar. 10.
Telefacsimile recording and duplicating paper and making same. A. G. Cooley and H. R. Dalton. 2,638,422, May 12.
Telegraph call transferring system. W. B. Martin. 2,638,497, May 12.
Telegraph converter system and apparatus. L. M. Potts. 2,643,291, June 23.
Telegraph exchange system. W. B. Blanton, F. L. Currie, and G. W. Janson. 2,632,043, Mar. 17.
Telegraph hub repeater circuit. J. R. Davey. 2,634,333, Apr. 7.
Telegraph reading and repeating system, Electronic code. W. S. W. Edgar, Jr. 2,641,641, June 9.
Telegraph reading and repeating system, Electronic code. W. S. W. Edgar, Jr. 2,641,651, June 9.
Telegraph receiver. V. J. Terry, J. D. Holland, and I. R. J. James. 2,629,776, Feb. 24.
Telegraph receiver, Frequency shift. J. V. Beard. 2,662,114, Dec. 8.
Telegraph repeater. F. H. Hanley. 2,625,609, Jan. 13.
Telegraph repeater, Electronic subscriber's loop. J. R. Davey. 2,649,504, Aug. 18.
Telegraph repeater, Hub. J. R. Davey. 2,636,942, Apr. 28.
Telegraph repeater, Hub. F. H. Hanley. 2,632,054, Mar. 17.
Telegraph repeater system. E. Rossberg and W. Lockemann. 2,654,803, Oct. 6.
Telegraph repeater system, Multiway. F. H. Hanley. 2,664,466, Dec. 29.
Telegraph repeater, Two-way polar. G. P. Harford. 2,630,496, Mar. 3.
Telegraph reperforator switching system. G. G. Light. 2,632,044, Mar. 17.
Telegraph signal distortion measuring apparatus. W. T. Rea. 2,624,805, Jan. 6.
Telegraph signal regenerator apparatus. H. C. A. van Duuren. 2,658,944, Nov. 10.
Telegraph switching system, Automatic. R. H. Halvorsen. 2,625,601, Jan. 13.
Telegraph system and apparatus, Facsimile printing. R. Hell. 2,658,106, Nov. 3.
Telegraph system, Carrier. J. T. Nelswinter. 2,630,493, Mar. 3.
Telegraph system, Dual channel. S. D. Browning. 2,650,266, Aug. 25.
Telegraph system, Electric. E. P. G. Wright. 2,653,996, Sept. 29.
Telegraph system, Multiplex. A. Weaver. 2,626,994, Jan. 27.
Telegraph system, Multiplex carrier. F. J. Singer. 2,662,933, Dec. 15.
Telegraph system, Printing. J. D. Durkee. 2,658,941–3, Nov. 10.
Telegraph trunk and control circuits. L. A. Gardner and W. T. Rea. 2,639,320, May 19.
Telegraphic code translator. E. A. B. Eliasen and K. H. F. Jensen. 2,643,292, June 23.
Telegraphy system utilizing band compression, Duplex. L. M. Potts. 2,640,914, June 2.
Telemeter receiver, Frequency-type. E. E. Lynch and B. D. Leete. 2,629,008, Feb. 17.
Telemetering apparatus, Multichannel. R. H. Peterson and H. S. Broadwell. 2,644,933, July 7.
Telemetering device, Compressional wave. J. M. Johnston, J. B. Olsen, and J. A. Moulden. 2,656,458, Oct. 20.
Telemetering impedance bridge. N. Brewer. 2,662,223, Dec. 8.
Telemetering mechanism for chart recorders. D. Clegg and L. E. Jenssen. 2,662,212, Dec. 8.
Telemetering system. W. G. Hodson and W. E. Peterson. 2,656,523, Oct. 20.
Telephone adapter for hearing aids. J. F. O'Hara. 2,659,772, Nov. 17.
Telephone answering and message recording device. J. J. Zimmermann. 2,658,107, Nov. 3.
Telephone apparatus. E. Shipton. 2,653,192, Sept. 22.
Telephone attachment. J. K. Weddell. 2,634,338, Apr. 7.
Telephone call counting device. H. Feinstein. 2,629,781, Feb. 24.
Telephone circuit. H. F. Hopkins. 2,629,783, Feb. 24.
Telephone dialer, Automatic. J. Kilburg. 2,656,417, Oct. 20.
Telephone equalizer circuit. E. I. Green. 2,645,681, July 14.
Telephone exchange system, Long distance. E. P. G. Wright. 2,633,501, Mar. 31.
Telephone, Hand. N. J. Cornfeld. 2,643,301, June 23.
Telephone handset hanger. J. J. Fleming. 2,639,334, May 19.
Telephone handset holder. V. J. Skantze. 2,658,116, Nov. 3.
Telephone handset locking clip. R. F. Mahoney. 2,647,959, Aug. 4.
Telephone holder or support. J. M. Rheins and S. S. Klein. 2,625,856, Jan. 13.
Telephone holding unit. F. G. Holmes. 2,663,764, Dec. 22.
Telephone indicia card holder. D. Griswold. 2,624,965, Jan. 13.
Telephone line lockout adapter. F. Kessler. 2,650,950, Sept. 1.
Telephone lock. A. M. Benson. 2,641,650, June 9.
Telephone lock. A. L. Hall and H. B. Dyer. 2,642,501, June 16.
Telephone pay station adapter common to a plurality of lines. F. Kessler. 2,655,558, Oct. 13.
Telephone pay station circuit. C. E. Lomax and R. J. Gallagher. 2,640,107, May 26.
Telephone pay station coin box system. J. R. Dewar. 2,642,496, June 16.
Telephone reverting call system. G. Elliott. 2,659,769, Nov. 17.
Telephone selector circuit. W. W. Pharis. 2,658,949, Nov. 10.
Telephone set. H. P. Boswau and A. C. Reid. 2,654,811, Oct. 6.
Telephone subscriber set with side-tone reduction for central battery systems. J. M. de Stadelhofen, J. Müller-Strobel, J. Patry, and R. Strub. 2,643,300, June 23.
Telephone subset wiring-plan system. W. G. Storey. 2,651,683, Sept. 8.
Telephone substation instrument and circuits, Multiline. D. N. MacDonald. 2,644,042, June 30.
Telephone support and switch control mechanism. C. W. Le Noir. 2,657,278, Oct. 27.
Telephone switching arrangement, Nonnumerical. J. Wicks. 2,652,456, Sept. 15.
Telephone system. R. E. Hersey. 2,657,274, Oct. 27.
Telephone system. J. E. Ostline. 2,628,282, Feb. 10.
Telephone system, Automatic. F. Kessler. 2,658,109, Nov. 3.
Telephone system, Automatic. J. E. Ostline. 2,639,331, May 19.
Telephone system coin control adapter and connector. W. W. Pharis. 2,657,267, Oct. 27.
Telephone system, Impulse storage and regenerating polar duplex impulsing. J. Wicks. 2,629,018, Feb. 17.
Telephone system, Intercommunication. H. G. Wall. 2,629,022, Feb. 17.
Telephone system, Microwave carrier. S. D. Robertson. 2,649,539, Aug. 18.
Telephone system, Mobile radio. B. F. Lewis. 2,641,692, June 9.
Telephone system, Multichannel mobile. R. H. Herrick. 2,629,092, Feb. 17.

Telephone system, Party-line. H. G. Duhamel, E. O. Campbell, and R. A. Reed. 2,633,496, Mar. 31.
Telephone system, Power line carrier. R. C. Edson. 2,654,804, Oct. 6.
Telephone system, Route-selecting automatic. F. P. Gohorel. 2,642,499, June 16.
Telephone system with marker release and lockout of defective line, Crossbar. J. O. Shepherd. 2,635,148, Apr. 14.
Telephone systems, Multiplex time division. J. H. Homrighous. 2,655,652, Oct. 13.
Telephone trunk-supervision system. M. den Hertog and C. de Zeeuw. 2,636,945, Apr. 28.
Telephonic pulse-code-modulation system. C. E. G. Bailey. 2,647,238, July 28.
Telephoto objective. F. Schlegel. 2,631,497, Mar. 17.
Teleprinter, Frequency shift. C. A. Higgins. 2,654,025 Sept. 29.
Teleprinting device. K. Hájek. 2,660,617, Nov. 24.
Telescope. L. E. Braymer. 2,649,791, Aug. 25.
Telescope device, Panoramic. R. Hayward. 2,625,853, Jan. 20.
Telescope gun sight mount. J. M. Miller. 2,624,046, Jan. 13.
Telescope having prism movable for focusing. J. D. Kieffer, III, and W. M. Strom. 2,638,032, May 12.
Telescope mount. M. L. Stith. 2,632,253, Mar. 24.
Telescope mount. W. R. Weaver. 2,632,251, Mar. 24.
Telescope mount, Double adjustable rifle. W. P. Harms. 2,663,083, Dec. 22.
Telescope mounting. J. T. Ivy. 2,629,176, Feb. 24.
Telescope mounting. J. M. Moore. 2,641,057, June 9.
Telescope mounting for guns. G. R. Kruzell. 2,635,341, Apr. 21.
Telescope mounting for rifles. J. T. Ivy. 2,645,855, July 21.
Telescope objective. L. Bertele. 2,660,093, Nov. 24.
Telescope, Panoramic binocular. R. Hayward. 2,625,854, Jan. 20.
Telescope, Reflecting. C. W. Keuffel, C. D. Hillman, A. L. Baker, and G. Geier. 2,638,814, May 19.
Telescope reticle adjustment. C. H. Murr. 2,627,659, Feb. 10.
Telescope sight mount, Detachable. R. R. Hardgrove and E. T. Lake. 2,649,779, Aug. 25.
Telescope sight mount for rifles. D. R. Merritt. 2,629,175, Feb. 24.
Telescope with auxiliary optical system, Reflecting. L. E. Braymer. 2,628,529, Feb. 17.
Telescopic brush handle. F. O. Storrs. 2,641,012, June 9.
Telescopic chalk line device. R. W. Cook. 2,655,728, Oct. 20.
Telescopic handle. A. H. Mallon. 2,660,457, Nov. 24.
Telescopic multiple-socket wrench. G. A. Dreese. 2,660,082, Nov. 24.
Telescopic rotor blades and brakes therefor. V. Isacco. 2,637,406, May 5.
Telescopic sight mount base, Adjustable. J. L. Winton. 2,653,386, Sept. 29.
Telescopic steering column. H. V. Snyder. 2,639,626, May 26.
Telescoping bored-plug subcirculation valve. R. C. Pryor. 2,662,548, Dec. 15.
Telescoping box with cover fastener. J. H. Stortz. 2,625,316, Jan. 13.
Telescoping carrier for handling bricks and the like. J. D. Naillon. 2,647,646, Aug. 4.
Telescoping magnifying lens and handle. R. S. Krause and E. H. Seibert. 2,649,838, Aug. 25.
Telescoping piston type lifting jack. W. E. Pitts. 2,625,135, Jan. 13.
Telescoping support for a tray having a tiltable head. L. E. Dubach. 2,628,142, Feb. 10.
Telescoping tower vehicle. E. A. Wagner. 2,632,530, Mar. 24.
Teletypewriter. A. A. and M. F. Sweeny. 2,653,997, Sept. 29.
Teletypewriter circuit. E. O. Blodgett. 2,649,496, Aug. 18.
Television, Additive color. A. N. Goldsmith. 2,653,183, Sept. 22.
Television apparatus. J. E. Bridges. 2,628,326, Feb. 10.
Television apparatus. H. R. Lubcke. 2,663,757, Dec. 22.
Television apparatus. J. M. Sherman and E. W. Fisher. 2,658,103, Nov. 3.
Television apparatus. O. E. Wagenknecht. 2,635,142, Apr. 14.
Television apparatus, Color. N. L. Heikes and R. J. Stahl. 2,630,485, Mar. 3.
Television booster circuit. E. P. Thias, T. L. Fischer, T. F. Gossard, and W. W. White. 2,650,298, Aug. 25.
Television cabinet back. G. M. Regnier. 2,642,566, June 16.
Television camera turret lens selecting and focusing apparatus. H. C. Shepard. 2,632,370, Mar. 24.
Television carrier control system. A. V. Bedford. 2,644,942, July 7.
Television circuit. J. M. Cage. 2,635,208, Apr. 14.
Television circuit. G. W. Fyler. 2,644,105, June 30.
Television circuit. G. W. Fyler and L. J. Mattingly. 2,644,104, June 30.
Television circuit. L. Seldin. 2,655,615, Oct. 13.
Television, Color. A. V. Bedford. 2,634,324, Apr. 7.
Television, Color. F. H. Nicoll. 2,631,259, Mar. 10.
Television control system, Plural camera. W. L. Hurford. 2,653,186, Sept. 22.
Television correcting circuit. B. M. Oliver. 2,660,614, Nov. 24.
Television deflection system. G. W. Fyler and L. S. Kongable. 2,644,103, June 30.
Television equipment. H. R. Lubcke and H. W. Jury. 2,653,185, Sept. 22.
Television gain control system. K. Schlesinger. 2,632,047, Mar. 17.
Television image analyzing tube. P. T. Farnsworth. 2,641,723, June 9.
Television image reproducing system, color. G. C. Sziklai and F. J. Darke, Jr. 2,646,462, July 21.
Television image reproduction, Color. H. C. Goodrich. 2,634,326, Apr. 7.
Television keystone balance control circuit. H. R. Smith. 2,661,443, Dec. 1.
Television mast, Telescoping. J. S. Anderson. 2,632,850, Mar. 24.
Television, Multicolor. A. N. Goldsmith. 2,630,542, Mar. 3.
Television, Multicolor. G. E. Sleeper, Jr. 2,653,182, Sept. 22.
Television optical system, Simultaneous color. A. C. Schroeder and G. C. Sziklai. 2,653,993, Sept. 29.
Television or radio cabinet base, Adjustable. H. S. Lanier. 2,664,258, Dec. 29.
Television pickup tube. A. Rose. 2,637,002, Apr. 28.
Television prompting apparatus. F. H. Barkau. 2,635,373, Apr. 21.
Television pulse separation circuit. W. J. Gruen and T. V. Zaloudek. 2,625,603, Jan. 13.
Television receiver. A. Cotsworth, III. 2,642,491, June 16.
Television receiver. L. C. Faudell. 2,656,413, Oct. 20.
Television receiver. P. C. Jansen and G. Weehuizen. 2,647,255, July 28.
Television receiver adjusting system. L. M. Kay. 2,657,263, Oct. 27.
Television receiver cabinet light shield. J. K. Rose. 2,627,067, Jan. 27.
Television receiver, Color. G. C. Sziklai. 2,644,854, July 7.
Television receiver horizontal deflection circuit. L. R. Helpert and H. W. Appel. 2,627,052, Jan. 27.
Television receiver, Intercarrier-video type. C. E. Bessey. 2,634,329, Apr. 7.
Television receiver registration system, Color. A. V. Bedford. 2,635,141, Apr. 14.
Television receiver, Simplified color. A. A. Barco, W. H. Bliss, and M. M. Carpenter, Jr. 2,649,499, Aug. 18.
Television receiver volume control, Intercarrier sound type. H. G. Boyle. 2,653,995, Sept. 29.
Television receiving system, Color. J. H. Wiens. 2,664,520, Dec. 29.
Television recording. H. de France and R. Bocquel. 2,638,498, May 12.
Television sampling system, Color. R. C. Moore. 2,644,030, June 30.
Television secrecy system. A. N. Goldsmith. 2,636,936 Apr. 28.
Television shading signal and clamping circuit. H. R. Smith. 2,658,104, Nov. 3.
Television still picture receiver. J. H. Hammond, Jr. and E. S. Purington. 2,660,616, Nov. 24.
Television system. E. D. Goodale and G. K. Graham 2,634,328, Apr. 7.
Television system. D. O. Hunter. 2,632,864, Mar. 24
Television system. D. I. Lawson and A. V. Lord 2,624,797, Jan. 6.
Television system. G. C. Sziklai. 2,634,327, Apr. 7.
Television system. G. C. Sziklai. 2,643,289, June 23.
Television system, Air key subscriber. E. M. Roschke and R. O. Gray. 2,656,405, Oct. 20.
Television system, Color. J. Evans. 2,638,499, May 12
Television system, Frequency-interlace. R. B. Dome 2,635,140, Apr. 14.
Television system having reduced transmission bandwidth R. E. Graham. 2,629,010–11, Feb. 17.
Television system, Multiplex. J. H. Homrighous 2,628,274, Feb. 10.
Television system, Subscriber. R. O. Gray and E. M Roschke. 2,656,406, Oct. 20.
Television system, Subscription type. E. M. Roschke 2,664,460, Dec. 29.
Television test system. F. C. Grace and R. G. Artman 2,646,461, July 21.
Television-to-radio voltage changing system. S. I. Tou shou and G. E. Skorup. 2,654,800, Oct. 6.
Television transmission from intermittent film by mean of pulsed pickup tube. R. Theile. 2,651,674, Sept.
Television transmitting apparatus. J. E. Cope. 2,649,501 Aug. 18.
Television tube. F. Okolicsanyi. Re. 23,672, June 2
Television tuner. F. J. Marco. 2,646,513, July 21.
Television type facsimile transmission system. J. H Hammond, Jr. 2,642,492, June 16.
Television type facsimile transmission system. J. H Hammond, Jr. 2,656,412, Oct. 20.
Teller system, Retractable sidewalk. C. D. Ellithorp 2,655,013, Oct. 20.
Teller's window. E. C. Beedle. 2,648,300, Aug. 11.

Tellurian. F. E. Bradley. 2,641,065, June 9.
Tellurium catalysts. W. R. Middleton. 2,653,138, Sept. 22.
Tellurium oxide-containing catalyst, Preparing a. F. P. Richter. 2,648,638, Aug. 11.
Telomeric polyalkyl oxoesters. T. M. Patrick, Jr., and E. W. Gluesenkamp. 2,647,920, Aug. 4.
Telomeric polycarbocyclic oxoesters. T. M. Patrick, Jr. 2,647,921, Aug. 4.
Temperature alarm switch. J. T. Grotenhouse. 2,637,794, May 5.
Temperature and concentration responsive control system. G. L. Borell and M. I. Nystuen. 2,632,144, Mar. 17.
Temperature compensated susceptibility logging system. C. W. Zimmerman. 2,640,869, June 2.
Temperature compensation adjustment for pressure responsive instruments. E. Knapp. 2,628,501, Feb. 17.
Temperature compensation in recording refractometers, Electrical. P. D. Schnelle. 2,649,012, Aug. 18.
Temperature control apparatus. J. Hagen. 2,632,086, Mar. 17.
Temperature control apparatus for electrode type boilers. J. A. Tatem. 2,663,788, Dec. 22.
Temperature control circuit. G. C. Crowley. 2,624,825, Jan. 6.
Temperature control device. R. N. Collins. 2,659,801, Nov. 17.
Temperature control for heat exchangers. R. P. L. Hytte. 2,655,351, Oct. 13.
Temperature control for internal-combustion engines. J. N. Bogaards. 2,645,212, July 14.
Temperature control for refrigerators, Combined illumination and minimum. A. G. Janos. 2,658,968, Nov. 10.
Temperature control in the catalytic hydrogenation of carbon monoxide. O. Dorschner, W. Wenzel, and H. G. Kayser. 2,662,911, Dec. 15.
Temperature control of air supply systems. G. E. Shaw. 2,654,580, Oct. 6.
Temperature control of engine cooling. W. J. Pankuch and W. S. Gleeson. 2,638,881, May 19.
Temperature control system. R. W. Ketchledge. 2,640,137, May 26.
Temperature control system. T. J. Lehane and E. W. Johnson. 2,656,111, Oct. 20.
Temperature control system. M. J. Parker and A. J. Turpin. 2,626,754, Jan. 27.
Temperature control system for railway cars. T. J. Lehane. 2,632,600, Mar. 24.
Temperature control system having means to measure turbine inlet temperature indirectly. J. A. Drake. 2,641,105, June 9.
Temperature control system, Radiator. E. J. Sanders. 2,654,354, Oct. 6.
Temperature control unit. A. J. Huck. 2,636,959, Apr. 28.
Temperature control unit for piezoelectric crystal. E. E. Overbey and J. D. Holmbeck. 2,651,731, Sept. 8.
Temperature control valve. A. J. Schutt. 2,663,499, Dec. 22.
Temperature controlled water tank. D. J. and P. J. Donahoe. 2,635,580, Apr. 21.
Temperature controller, Windshield. J. D. Peterson. 2,644,065, June 30.
Temperature equalizer for heating systems, Automatic. J. D. Stokes. 2,636,684, Apr. 28.
Temperature indicating system, Automatic. R. G. Walton. 2,646,681, July 28.
Temperature indicator. S. E. Blewett. 2,628,442, Feb. 17.
Temperature indicator. A. H. Lamb. 2,651,203, Sept. 8.
Temperature indicator for hand pressing irons. Z. Burreson. 2,653,480, Sept. 29.
Temperature indicator for nursing bottles. P. R. Finch. 2,648,226, Aug. 11.
Temperature measurement. A. J. Miller. 2,652,497, Sept. 15.
Temperature measuring and indicating apparatus. R. W. Goble. 2,649,715, Aug. 25.
Temperature regulating system. B. G. Copping. 2,663,498, Dec. 22.
Temperature released check valve. F. W. McRae. 2,630,818, Mar. 10.
Temperature responsive actuator. J. A. Wasser. 2,642,309, June 16.
Temperature responsive apparatus for controlling cooling systems. W. A. Ray. 2,628,034, Feb. 10.
Temperature responsive control. L. E. Aske and J. A. Thayer. 2,640,902, June 2.
Temperature responsive control. C. A. Cobb. 2,640,313, June 2.
Temperature-responsive device. I. J. Barsy. 2,631,220, Mar. 10.
Temperature responsive switch. J. A. Senn. 2,632,825, Mar. 24.
Temperature responsive switch. G. A. Starbird. 2,640,129, May 26.
Temperature responsive system. R. A. Prior. 2,651,704, Sept. 8.
Temperature sensing device. R. S. Cesaro and R. J. Koenig. 2,638,784, May 19.
Tempered air swept pulverizer and classifier with common fan means to transport unclassified material and pulverized oversize particles to the classifier. O. Lotz. 2,662,694, Dec. 15.
Tempering apparatus for making band saws or the like. H. Kajiyama. 2,627,572, Feb. 3.
Tempering curved glasses of organic materials. P. Halbig and C. Taddel. 2,659,105, Nov. 17.
Template. H. D. Drain. 2,652,866, Sept. 22.
Template, Cabinet pull. P. M. Little. 2,647,325, Aug. 4.
Template, Carpenter's. S. W. Boatwright. 2,634,507, Apr. 14.
Template for lock plate mortises. E. P. Sacrey. 2,651,847, Sept. 15.
Template setup for punch presses, Master. R. L. Weisbeck. 2,649,157, Aug. 18.
Temple measure. D. F. Huston. 2,663,949, Dec. 29.
Temple retaining device. S. Frum. 2,626,538, Jan. 27.
Temple thread cutter. A. E. Zabriskie and M. H. Stuart. 2,633,157, Mar. 31.
Temple thread cutter for looms. F. F. Larson. 2,629,408, Feb. 24.
Templet. M. A. McHugh. 2,637,114, May 5.
Templet. H. E. Renaud. 2,625,748, Jan. 20.
Templet and supporting frame for locating hinge butt recesses in doors and doorframes. E. P. Sacrey. 2,660,803, Dec. 1.
Templet bending jig. R. A. Mears and L. R. McCreary. 2,642,765, June 23.
Templet for mortising doors and door jambs, Adjustable. J. W. Tubbs. 2,629,937, Mar. 3.
Temporarily covering articles. V. F. Harrington. 2,651,119, Sept. 8.
Temporary load switch. D. C. Hubbard. 2,637,795, May 5.
Temporary outlet box mounting for use with concrete forms. C. G. Nelson and R. W. Hayden. 2,652,168, Sept. 15.
Temporary protection of unvulcanized rubbery surfaces. T. C. Harper. 2,653,885, Sept. 29.
Temporary securing device. E. F. Kennedy. 2,638,371, May 12.
10-phenothiazinecarboxamides, Basically substituted. J. W. Cusic. 2,627,517, Feb. 3.
Tenpin spotting device. H. Rosenthal. 2,632,646, Mar. 24.
Tens carry mechanism for accounting machines. M. M. Goldberg. 2,628,778, Feb. 17.
Tens transfer device, Independent actuator. R. Gourdon. 2,646,929, July 28.
Tens-transfer mechanism. C. L. Cho. 2,650,765, Sept. 1.
Tens transfer mechanism. C. A. Parker. 2,646,928, July 28.
Tens-transfer mechanism of the differential type. R. Buzzi. 2,653,766, Sept. 29.
Tennis ball holder. H. J. Goodman. 2,628,804, Feb. 17.
Tensile strength tester. H. M. Brown. 2,629,254, Feb. 24.
Tensiometer. R. M. Brink. 2,661,623, Dec. 8.
Tensiometer. C. F. Lauenstein and I. E. Rhoden. 2,633,743, Apr. 7.
Tensiometer, Differential. H. Allen. 2,639,612, May 26.
Tension adjusting means for chain saws or the like. C. van Ausdall. 2,645,254, July 14.
Tension control apparatus. E. W. Larsen and J. R. Marcus. 2,662,697, Dec. 15.
Tension control device. L. J. Lindsay. 2,646,943, July 28.
Tension control device for looms or the like. C. Christiansen and G. O. K. Rüsch. 2,646,079, July 21.
Tension control device for textile thread. C. B. Kingsbury and R. H. Carter. 2,656,126, Oct. 20.
Tension control for full fashion hosiery machines. S. Gagas. 2,630,982, Mar. 10.
Tension control for the let-off mechanisms of looms. G. W. Kretzschmar. 2,661,773, Dec. 8.
Tension control reel. C. B. Blessing. 2,637,504, May 5.
Tension device. J. W. I. Heijnis. 2,637,511, May 5.
Tension device for belts. M. F. Green. 2,651,825, Sept. 15.
Tension feed control. R. L. Jaeschke. 2,658,751, Nov. 10.
Tension releasing device. N. Goodman. 2,627,692, Feb. 10.
Tension testing device for the upper and lower threads of lock-stitch sewing machines. C. R. Miller. 2,625,819, Jan. 20.
Tensioning and anchoring wire bundles for prestressed concrete structural elements. A. E. A. Blaton. 2,637,895, May 12.
Tensioning and pulling device. F. W. Coffing. 2,658,720, Nov. 10.
Tensioning apparatus. G. W. Nigh. 2,650,713, Sept. 1.
Tensioning apparatus. F. R. Piper and J. M. Gardner. 2,663,118, Dec. 22.
Tensioning device, Clearer. J. D. Gibson. 2,648,875, Aug. 18.
Tensioning device for cables, wires, etc. D. A. Howard and W. N. Matson. 2,638,648, May 19.
Tensioning device for conveyer belts. R. N. Bateman. 2,648,424, Aug. 11.
Tensioning device for tractors. J. A. Bombardier. 2,654,639, Oct. 6.
Tensioning means for loom warp beams. R. M. Taylor. 2,630,141, Mar. 3.
Tensioning mechanism for winding machines. M. A. Thom. 2,661,914, Dec. 8.
Tent. F. M. Davis. 2,663,306, Dec. 22.
Tent. F. M., T. C., and D. W. Powers. 2,661,010, Dec. 1

Tent, Bed. A. V. Jensen. 2,641,776, June 16.
Tent construction. R. L. Blanchard. 2,646,057, July 21.
Terephthalate esters as plasticizers for polyvinyl resins. P. V. Smith, Jr., D. W. Young, and R. G. Newberg. 2,628,207, Feb. 10.
Terminal. K. E. Bondurant. 2,658,130, Nov. 3.
Terminal bushing with auxiliary sealing ring, Capacitator. D. E. Gray. 2,630,470, Mar. 3.
Terminal card manufacturing machine. R. M. Kingman. 2,650,415, Sept. 1.
Terminal construction for electric coil forms. R. M. Hill. 2,653,992, Sept. 29.
Terminal construction for electrical apparatus. R. P. Ballou. 2,662,221, Dec. 8.
Terminal construction for variable resistors. W. L. Bush and A. M. Daily. 2,632,832, Mar. 24.
Terminal fitting, Spring. R. J. Carbary. 2,657,420, Nov. 3.
Terminal for electric fixtures. A. A. Richardson. 2,644,144, June 30.
Terminal for electrical coils, Extensible folded. L. A. Mayo. 2,628,996, Feb. 17.
Terminal for wrist-bands for watches. A. Pinson. 2,627,638, Feb. 10.
Terminal forming fixture. H. P. Wester. 2,630,156, Mar. 3.
Terminal having conductor-severing edge, Electrical. J. Oortgijsen. 2,651,768, Sept. 8.
Terminal means for logging gears, Main line. D. L. Maxfield and A. A. Rue. 2,637,591, May 5.
Terminal, Movable skyline. J. S. Wilson. 2,649,209, Aug. 18.
Terminal of the grommet type. Q. Berg. 2,643,366, June 23.
Terminal panel assembly. T. M. Cole and P. M. Christensen. 2,647,225, July 28.
Terminal pin block. M. Rose. 2,643,365, June 23.
Terminating the polymerization of monomeric materials in aqueous emulsion and a nonstaining, nondiscoloring composition for use therein. G. J. Antlfinger. 2,662,876, Dec. 15.
Terne coating metal and terne coated product. N. E. Cook and S. L. Norteman. 2,647,304, Aug. 4.
Terpenylalkylphenols and their preparation. L. J. Kitchen. 2,647,152, July 28.
Terpineol, Production of. J. E. Sapp, W. F. Gillespie, and P. A. McKim. 2,628,258, Feb. 10.
Terpolymers of acrylonitrile and allyl amines. D. W. Chaney. 2,662,875, Dec. 15.
Terpolymers of sulfur dioxide, monoolefinic materials and a liquid polymer of a conjugated diene, and their production. C. S. Lynch. 2,625,525, Jan. 13.
Terraced garden. M. L. Esmay and P. O. Esmay. 2,651,143, Sept. 8.
Terrain clearance apparatus, Automatic. H. L. Hanson. 2,630,283, Mar. 3.
Terrain clearance indicator. J. E. Clegg. 2,641,754, June 9.
Terry weave fabric. G. L. Mills. 2,655,950, Oct. 20.
Tertiary acrylic acid esters from acetylene, Preparing. O. Albrecht and A. Maeder. 2,653,969, Sept. 29.
Tertiary alkyl aryl ethers, Preparation of. D. R. Stevens and R. S. Bowman. 2,655,546, Oct. 13.
Tertiary amines and preparing them. S. Archer and A. W. Ruddy. 2,647,122, July 28.
Tertiary-aminoalkyl derivatives of coumarilic acids and their preparation. R. O. Clinton. 2,652,399, Sept. 15.
Tertiary-aminoalkyl 4-alkylamino-2-alkoxy-benzoates and their synthesis. R. O. Clinton and S. C. Laskowski. 2,657,209, Oct. 27.
Tertiary - aminoalkyl 4 - alkylamino-2-benzyloxybenzoates and debenzylation thereof. R. O. Clinton and S. C. Laskowski. 2,662,889, Dec. 15.
Tertiary-aminoalkyl 4-amino-2-benzyloxybenzoates and debenzylation thereof. R. O. Clinton and S. C. Laskowski. 2,662,888, Dec. 15.
Tertiary - aminoalkyl 4 - substituted - 2 - (tertiary-aminoalkoxy) benzoates and their synthesis. R. O. Clinton and S. C. Laskowski. 2,642,429, June 16.
Tertiary ester. W. Kimel. 2,628,250, Feb. 10.
Test device. K. Dutschke. 2,645,753, July 14.
Test equipment and method for measuring reflection coefficient. F. E. Radcliffe. 2,649,570, Aug. 18.
Test equipment for measuring the flatness and plane parallelism of glass surfaces of any desired size and thickness by light wave interference. T. W. Zobel and F. Mirus. 2,660,916, Dec. 1.
Test instrument for blind landing system. R. A. Emmett, Jr. 2,624,872, Jan. 6.
Test pad. R. W. Newbill, Jr. 2,647,399, Aug. 4.
Test probe. J. J. Gaborc. 2,654,075, Sept. 29.
Test probe, Electrical. A. R. Jubenville. 2,648,826, Aug. 11.
Testing a metallic sample. M. L. Yeater. 2,656,256, Oct. 20.
Testing and packing fixture. G. W. Caplis. 2,664,544, Dec. 29.
Testing and sorting control system. L. L. Gordon. 2,635,746, Apr. 21.
Testing and training apparatus. H. N. Durham. 2,659,164,
Testing apparatus. R. A. Crumbliss. 2,638,495, May 12.
Testing apparatus, Electrical. C. W. Clapp. 2,631,188, Mar. 10.
Testing apparatus for clutch plates. R. L. Edens. 2,655,809, Oct. 20.
Testing apparatus for gears. C. W. Mahr. 2,656,614, Oct. 27.
Testing apparatus for hermetically sealed refrigerator pump units, Electrical. T. H. Bunker. 2,631,187, Mar. 10.
Testing apparatus for rotary wings. A. E. Larsen and J. B. Atherholt. 2,631,453, Mar. 17.
Testing apparatus for telephone systems. F. Kessler. 2,632,817, Mar. 24.
Testing apparatus for testing the fading characteristics of textile material. R. Bernegger. 2,640,354, June 2.
Testing apparatus, High-frequency. R. M. Walker. 2,652,535, Sept. 15.
Testing arrangement for circuit interrupting devices. R. C. Van Sickle. 2,657,354, Oct. 27.
Testing asphaltic concrete, Method of and apparatus for. M. G. Spangler and T. Y. Chu. 2,637,198, May 5.
Testing device, Balance. A. Marvel. 2,647,398, Aug. 4.
Testing device, Coin material. J. S. Ogle. 2,642,974, June 23.
Testing device for aircraft load release mechanism. D. E. Holloway. 2,636,384, Apr. 28.
Testing device for electric lamps. D. C. Knight. 2,634,345, Apr. 7.
Testing device for flash cameras. J. Kirwin. 2,625,863, Jan. 20.
Testing device for fluorescent tube fixtures. H. S. Starbuck. 2,630,551, Mar. 3.
Testing device for irons. F. M. Murphy. 2,638,775, May 19.
Testing electric cable sheaths. J. M. Gomez-Diez. 2,642,739, June 23.
Testing flow characteristics of granular materials. N. R. Bunnell. 2,633,027, Mar. 31.
Testing instrument having insulation piercing and wire gripping means, Electrical. C. W. Hudlow. 2,654,076, Sept. 29.
Testing machine for cementing materials, Tensile. L. Franceschini. 2,648,221, Aug. 11.
Testing machine, Kinetic torsion. F. W. Dietsch, C. W. Musser, and A. M. Stott. 2,633,742, Apr. 7.
Testing machine, Strand. R. H. Lawson. 2,634,607, Apr. 14.
Testing machine, Tablet hardness. R. Albrecht. 2,645,936, July 21.
Testing multiconductor insulated wires. H. B. Weaver. 2,653,296, Sept. 22.
Testing of plastic flow. F. H. MacLaren. 2,645,932, July 21.
Testing paperboard, Method and apparatus for. R. C. McKee and G. R. Sears. 2,637,996, May 12.
Testing rotors, Means for. L. C. Packer, R. H. Cross, and G. E. Monchamp. 2,640,100, May 26.
Testing screen. D. Wheeler. 2,663,423, Dec. 22.
Testing sheet materials. M. F. Skalmusky, C. H. Root, and R. C. McKee. 2,645,937, July 21.
Testing terminal banks, Means and method for. J. H. Wilson. 2,642,481, June 16.
Testing the accuracy of watches, Means for. H. B. Greening. 2,640,350, June 2.
Testing the winding properties of filaments. M. Fielding and O. S. Mundy. 2,648,223, Aug. 11.
Testing torpedo depth control mechanism, Means for. E. G. Burgess, Jr. 2,649,750, Aug. 25.
Testing tubing, Method and apparatus for. W. M. Bush and C. H. Collett. 2,652,717, Sept. 22.
Tetraalkyl dithionopyrophosphates, Preparing. A. D. F. Toy. 2,663,722, Dec. 22.
Tetraalkyl esters of alkane diphosphonic acids. W. P. Boyer and J. R. Mangham. 2,634,288, Apr. 7.
Tetraalkyl esters of 1,2-ethanediphosphonic acid, Preparing. E. C. Ladd and M. P. Harvey. 2,651,656, Sept. 8.
Tetraalkyldiamidophosphoryl phosphoric dichlorides. H. Tolkmith. 2,654,780, Oct. 6.
Tetraalkyllead compounds, Manufacture of. H. M. Tanner. 2,635,105, Apr. 14.
Tetraalkyllead compounds, Manufacture of. H. M. Tanner. 2,635,107, Apr. 14.
Tetraalkylpyrophosphites, Preparation of. R. W. Young, J. Blodinger, and A. D. Welcher. 2,660,603, Nov. 24.
Tetrachloroglycoluril derivatives as chlorine liberators in ointments. H. B. Adkins. 2,638,434, May 12.
Tetracyano and tetracarboxy phthalocyanines. S. R. Buc. 2,647,908, Aug. 4.
Tetra esters of diphosphoric acid, Production of. L. W. Harris, G. R. Sanders, and C. C. Cassil. 2,641,606, June 9.
Tetraesters of thiodiphosphonic acid. D. Harman and A. R. Stiles. 2,630,450, Mar. 3.
Tetraethyl-lead, Making. H. Shapiro and E. G. De Witt. 2,635,106, Apr. 14.
Tetraethyl lead, Making. N. Whitman. 2,657,225, Oct. 27.
Tetraethyllead, Manufacture of. G. W. Beste, H. M. Tanner, and H. Shapiro. 2,653,159, Sept. 22.
Tetraethyllead, Manufacture of. W. B. Grandjean. 2,661,361, Dec. 1.
Tetraethyllead, Manufacture of. C. M. Neher, F. L. Padgitt, and P. E. Weimer. 2,644,827, July 7.
Tetraethyl pyrophosphate insecticide. D. L. Shatto. 2,640,800, June 2.

Tetraethylthiuram disulfide derivatives. J. G. Hald, I. G. Gad, and S. A. V. Deans. 2,647,145, July 28.
Tetrafluoroethylene polymer compositions containing chlorinated lubricants. J. F. Lontz. 2,630,417, Mar. 3.
Tetrafluoroethylene polymer compositions containing polyorganosiloxane lubricants. J. F. Lontz. 2,644,802, July 7.
Tetrahydrofurfurylglycamines and producing same. J. B. Tindall and J. W. Fraza, Jr. 2,658,063, Nov. 3.
Tetrahydroisoquinolone derivatives, Preparation of. T. C. Aschner. 2,647,902, Aug. 4.
Tetrahydrophthalic acid compounds. H. de V. Finch and S. A. Ballard. 2,632,011, Mar. 17.
Tetrahydrophthalic acid half ester compounds. A. C. Keyl and R. H. Geils. 2,655,487, Oct. 13.
Tetrahydrophthalic alkyd resins. A. C. Keyl and R. H. Geils. 2,655,486, Oct. 13.
Tetrakisazo-dyestuffs. R. Fleischhauer. 2,653,929, Sept. 29.
Tetramethylethylene, Manufacture of. J. B. Davidson. 2,657,245, Oct. 27.
Tetrasilicates, Manufacture of. J. H. Wills. 2,640,756, June 2.
Textile apparatus. E. L. Johnson and C. R. Delagrange. 2,646,937, July 28.
Textile coloring emulsions. D. W. Mullin. 2,631,985, Mar. 17.
Textile decorating pigment color composition containing a phenol-epihalohydrin condensation product. L. Auer. 2,637,621, May 5.
Textile drafting. S. L. Abbott. 2,626,431, Jan. 27.
Textile drafting method and machine. P. T. Bodell. 2,633,608, Apr. 7.
Textile fabric. C. E. Neisler, Jr. 2,632,230, Mar. 24.
Textile fabric, Producing a. W. E. Stanley and F. C. Brown. 2,639,488, May 26.
Textile fiber drafting elements, Making. R. A. Garrett. 2,636,878, Apr. 28.
Textile fibers from bast fiber material by alkaline digestion, Production of. J. J. Zeehuisen. 2,639,988, May 26.
Textile finishing composition and treating textile materials therewith. G. M. Richardson. 2,661,312, Dec. 1.
Textile finishing compositions. O. C. W. Allenby and J. C. MacKenzie. 2,653,140, Sept. 22.
Textile material, Making a fire-resistant. C. B. White. 2,634,218, Apr. 7.
Textile material sized with zirconium salt of water-soluble carboxyalkyl cellulose. J. H. Elliott. 2,650,887, Sept. 1.
Textile printing emulsions comprising thermoplastic resin lattices dispersed in solutions of thermosetting resins in organic solvents. E. F. Armayts. 2,663,696, Dec. 22.
Textile printing paste and coating therewith. H. Kleiner, O. Bayer, and B. Becht. 2,643,958, June 30.
Textile printing roll. F. Bromley. 2,627,228, Feb. 3.
Textile roll assembling and disassembling apparatus. R. R. Elliott, Sr. 2,644,226, July 7.
Textile size comprising an aqueous solution of a styrene-maleic anhydride copolymer and a water soluble borate. F. G. La Plana. 2,630,416, Mar. 3.
Textile size comprising an aqueous solution of urea and a poly alpha-alkyl acrylic acid or a partial salt thereof. W. M. Bruner and J. C. Lehr. 2,646,412, July 21.
Textile slasher. J. S. Campbell. 2,662,264, Dec. 15.
Textile spindle. A. P. Brouillard. 2,625,336, Jan. 13.
Textile spinning and analogous machinery. J. J. Haythornthwaite. 2,656,989, Oct. 27.
Textile spinning, doubling, and twisting machine. J. J. Haythornthwaite and V. G. Pinner. 2,638,733, May 19.
Textile spool. R. L. Foote. 2,625,343, Jan. 13.
Textile spool driving connection. R. Atwood. 2,625,335, Jan. 13.
Textile treating composition and method. R. G. Aickin and A. R. Munden. 2,664,409, Dec. 29.
Textile treating compounds and applying them to textiles. J. R. Janes. 2,637,623, May 5.
Textile treating machine. E. J. Berger and H. W. Matthews. 2,646,194, July 21.
Textile treating machine. W. N. Hadley. 2,624,963, Jan. 13.
Textile yarn clearer. R. J. Kennedy. 2,654,938, Oct. 13.
Thallophytocidal composition containing metalhydrazine salts and using the same. E. C. Soule. 2,659,688, Nov. 17.
Theater seat. M. H. Rowe. 2,652,881, Sept. 22.
Theft-preventing arrangement for motorcars. H. V. Hueso. 2,652,552, Sept. 15.
Theft prevention device, Automobile. W. R. and H. L. Burk. 2,637,407, May 5.
Theodolite. G. Geier. 2,640,267, June 2.
Theodolite. C. W. Keuffel and A. L. Baker. 2,647,320, Aug. 4.
Therapeutic antimony compounds. L. W. Clemence. 2,629,724, Feb. 24.
Therapeutic apparatus. H. R. Brand. 2,655,915, Oct. 20.
Therapeutic apparatus. M. O. Lewis. 2,659,365, Nov. 17.
Therapeutic appliance. W. W. Hodge. 2,635,175, Apr. 14.
Therapeutic compositions from spleen tissue, Preparation of. J. M. Amozurrutia. 2,662,047, Dec. 8.
Therapeutic compound and preparing the same. R. U. Schock, Jr. and D. L. Tabern. 2,641,609, June 9.
Therapeutic cubicle, Air treated and controlled mobile. G. Armstrong and G. Kulcher. 2,662,521, Dec. 15.
Therapeutic electrode. W. J. Browner. 2,651,304, Sept. 8.
Therapeutic fat product. L. W. Wachtel and C. E. Meyer. 2,646,354, July 21.
Therapeutic gold-dimercapto reaction product. E. A. H. Friedheim. 2,660,549, Nov. 24.
Therapeutic heater. R. B. Duren. 2,627,018, Jan. 27.
Therapeutic preparation, Prolonged-effectiveness injectable. A. E. Jurist, J. C. Burke, and W. E. Gaunt. 2,661,315, Dec. 1.
Therapeutic product. L. Loewe. 2,656,298, Oct. 20.
Therapeutic solution of calcium lactate and calcium glycerophosphate. G. Sattler, Jr. 2,657,172, Oct. 27.
Therapeutic table. A. L. Colston. 2,643,651, June 30.
Therapeutic table. A. Hemming. 2,641,252, June 9.
Therapeutic traction table. H. H. Voss and J. D. Mohelser. 2,630,800, Mar. 10.
Therapeutic water-soluble chlorophyll-containing feed. M. L. Rakieten. 2,646,384, July 21.
Therapy unit, Beam. D. T. Green. 2,649,549, Aug. 18.
Thermal air-speed indicator. C. E. Hastings. 2,652,723, Sept. 22.
Thermal ammeter. W. N. Goodwin, Jr. 2,645,756, July 14.
Thermal and magnetic means of indicating temperature and electric failure. J. N. MacInnes and P. H. Gerard. 2,663,859, Dec. 22.
Thermal control device. R. W. Gustafson. 2,633,517, Mar. 31.
Thermal control means for house heating systems. W. E. Mollenauer. 2,635,814, Apr. 21.
Thermal element for switch mechanisms. R. G. Page. 2,657,292, Oct. 27.
Thermal means of indicating temperature and electric failure. J. N. MacInnes and P. H. Gerard. 2,663,860, Dec. 22.
Thermal overload switch. H. L. Brump. 2,636,099, Apr. 21.
Thermal overload switch. R. E. Seely. 2,651,696, Sept. 8.
Thermal power generation. E. Mercier and M. Ehlinger. 2,653,443, Sept. 29.
Thermal protection for single-phase motors. T. Charlton. 2,629,848, Feb 24.
Thermal protector for conductor insulation. W. S. Edsall and P. C. Hitchcock. 2,645,690, July 14.
Thermal radiography using phosphors. F. Urbach. 2,642,538, June 16.
Thermal relay and constant gap spacer. H. A. Pearl and M. A. Rudner. 2,664,481, Dec. 29.
Thermal responsive actuating closure device. W. A. Lebus. 2,633,267, Mar. 31.
Thermal responsive automatic switch. K. Mizutani. 2,647,971, Aug. 4.
Thermal-sensitive actuator for fire alarms. H. A. Rike. 2,642,511, June 16.
Thermal shielded grill. J. F. Tatum. 2,625,875, Jan. 20.
Thermal shroud for engine mounts. A. J. Savard. 2,655,090, Oct. 13.
Thermal structure for electron discharge devices. G. T. Ford and E. J. Walsh. 2,634,384, Apr. 7.
Thermal switch. P. Giuffrida and B. E. Shaw. 2,643,311, June 23.
Thermal switch. M. J. Larocco. 2,641,668, June 9.
Thermal synthesis of carbon compounds, Process and apparatus for the. P. R. Grossman. 2,630,373, Mar. 3.
Thermal treatment and separation process. W. C. Simpson and W. B. Wilson. 2,662,845, Dec. 15.
Thermal trip mechanism for circuit breakers. R. Kern. 2,629,796, Feb. 24.
Thermally actuated electric switch. S. M. De Puy. 2,647,189, July 28.
Thermally actuated voltage indicator. C. W. Klug. 2,654,865, Oct. 6.
Thermally controlled electric switch. A. D. Prickett. 2,659,787, Nov. 17.
Thermally releasable torque limiting clutch. F. Linder. 2,655,015, Oct. 13.
Thermally stable bituminous bonding compositions. M. Jelling. 2,663,648, Dec. 22.
Thermionic noise source. H. Johnson and K. R. De Remer. 2,637,003, Apr. 28.
Thermionic tube and plate assembly for such tubes. W. Wihtol. 2,648,793, Aug. 11.
Thermistor and heat-treating it. H. C. Colpitts. 2,664,486, Dec. 29.
Thermistor by oxidation of a nickel manganese alloy, Making a. H. Christensen. 2,636,012, Apr. 21.
Thermistor control circuit. E. Lakatos and B. McMillan. 2,625,606, Jan. 13.
Thermoacoustic gas analyzer. D. H. Clewell. 2,653,471, Sept. 29.
Thermochemical material removal. E. Meincke. 2,626,880, Jan. 27.
Thermochemical material removal. E. Meincke. 2,627,826, Feb. 10.
Thermocompressor. J. F. Plummer, Jr. 2,631,774, Mar. 17.
Thermocouple. R. M. Scott. 2,652,442, Sept. 15.
Thermocouple. K. W. Tapke. 2,644,851, July 7.
Thermocouple. R. D. Turkington. 2,649,489, Aug. 18.
Thermocouple, Annular. W. P. Wills. 2,639,305, May 19.

Thermocouple cold-end compensator. R. W. Gilbert. 2,640,089, May 26.
Thermocouple device. W. H. Ruffle. 2,653,178, Sept. 22.
Thermocouple mounting for use in molten steel. J. I. Dodson. 2,642,468, June 16.
Thermocouple testing system. J. A. Herbst. 2,647,237, July 28.
Thermocouple unit. S. G. Best. 2,653,983, Sept. 29.
Thermoelectric couple and making same. G. Hunrath. 2,626,970, Jan. 27.
Thermoelectric generator. H. G. Pack. 2,652,503, Sept. 15.
Thermoelectric generator and production of same. M. J. Arvin. 2,645,675, July 14.
Thermoelectric space heater. F. J. Bordt and A. J. Shine. 2,647,505, Aug. 4.
Thermoelectric switch. J. A. Rodden. 2,643,312, June 23.
Thermoelectric translation device. W. E. Kock and L. G. Schimpf. 2,648,823, Aug. 11.
Thermohydraulic power converter. C. H. Vlachos. 2,660,123, Nov. 24.
Thermojet engine. W. H. Wilson. 2,663,142, Dec. 22.
Thermomagnetic transducer. L. J. Anderson and M. E. Hawley. 2,637,823, May 5.
Thermometer. G. P. Burns. 2,651,202, Sept. 8.
Thermometer and manufacture thereof. G. D. Hunt. 2,662,407, Dec. 15.
Thermometer case with means for swinging the same. R. L. Papermaster. 2,639,614, May 26.
Thermometer clip. R. J. Pokorny. 2,636,240, Apr. 28.
Thermometer, Floatable. E. R. Kebbon. 2,641,930, June 16.
Thermometer for measuring high temperatures, Electrical. A. H. Lamb. 2,648,983, Aug. 18.
Thermometer, Linear response vapor pressure. C. C. Minter. 2,651,942, Sept. 15.
Thermometer, Maximum indicating. F. Gotthart. 2,652,726, Sept. 22.
Thermometer mounting for double-walled tanks, Bimetallic. A. H. Lamb. 2,652,725, Sept. 22.
Thermometer, Multirange resistance. G. W. Schroeder. 2,657,580, Nov. 3.
Thermometer package. C. B. Denton and G. A. Terhune, Jr. 2,636,600, Apr. 28.
Thermometer, Resistance. C. C. Whitehead. 2,654,818, Oct. 6.
Thermometer, Shower bath spray head. S. D. Harman. 2,626,524, Jan. 27.
Thermometer, Tank. F. E. Brown. 2,663,191, Dec. 22.
Thermometer, Vapor pressure. D. K. Bragg, W. F. Hickes, and H. A. Neuman. 2,639,189, May 19.
Thermometric device, Radiation type. J. E. Field and S. D. Gehman. 2,635,468, Apr. 21.
Thermoplastic film-forming machine. L. Hornbostel. 2,651,076, Sept. 8.
Thermoplastic resins formed from pinewood pitch. T. R. McElhinney and T. D. Woodruff. 2,628,917, Feb. 17.
Thermoregulator. C. W. Brown and P. V. Keyser, Jr. 2,645,461, July 14.
Thermorelay with indirectly heated bimetallic strip. A. Viboud. 2,650,967, Sept. 1.
Thermosensitive resistance element. B. B. Jacobsen, C. T. Daly, D. L. Thomas, H. Wolfson, S. C. Shepard, and D. Green. 2,651,699, Sept. 8.
Thermosensitive resistance element containing eutectic mixtures. C. I. Hall. 2,627,570, Feb. 3.
Thermosensitive papers and compositions therefor. K. V. Ozols. 2,637,657, May 5.
Thermosetting organosiloxane resinous compositions and curing them with betahydroxyethyltrimethyl ammonium bicarbonate. H. A. Clark. 2,647,881, Aug. 4.
Thermosetting phenol-aldehyde resin condensation products, Production of. D. V. Redfern. 2,631,098, Mar. 10.
Thermosetting resins and preparing same. G. E. Niles. 2,632,700, Mar. 24.
Thermosetting synthetic resin laminate with a predetermined roughened surface and producing the same. W. C. Weltman and C. G. Kepple. 2,663,663, Dec. 22.
Thermostat. W. C. Broekhuysen. 2,664,483, Dec. 29.
Thermostat. W. H. Gille. 2,632,797, Mar. 24.
Thermostat. D. G. Merrill. 2,626,753, Jan. 27.
Thermostat. H. A. and R. B. Mulvany. 2,649,523, Aug. 18.
Thermostat. S. W. Nickells. 2,626,379, Jan. 20.
Thermostat. F. and J. Reingruber. 2,640,130, May 26.
Thermostat and automatic pilot control, Combined. M. J. Caparone and C. M. Vaughn. 2,658,686, Nov. 10.
Thermostat control and bimetal snap-acting element therefor. H. F. Malone. 2,632,824, Mar. 24.
Thermostat-controlled condensation drainer. C. W. St. Clair. 2,652,980, Sept. 22.
Thermostat device. J. B. Cataldo and A. N. Cook. 2,640,896, June 2.
Thermostat for type melting machines, Electric magnetic. E. Villarreal. 2,630,479, Mar. 3.
Thermostat, High-temperature bimetal. N. Miller. 2,644,874, July 7.
Thermostat, Surface. P. F. Shivers. 2,641,667, June 9.
Thermostatic accelerating pump control. L. D. Boyce. 2,625,382, Jan. 13.
Thermostatic and circuit breaker device. K. E. Vroom and E. De F. Tidd. 2,644,873, July 7.
Thermostatic control. J. D. Bolesky. 2,645,692, July 14.
Thermostatic control apparatus for heating systems. G. W. Rusler. 2,640,649, June 2.
Thermostatic control device. S. G. Eskin and A. M. Arkelyan. 2,644,640, July 7.
Thermostatic control device. M. E. Porter. 2,627,003, Jan. 27.
Thermostatic control device and burner system. J. W. Smith. 2,659,534, Nov. 17.
Thermostatic control device, Automatic. B. G. Copping. 2,628,032, Feb. 10.
Thermostatic control device for water heaters. M. J. Caparone. 2,656,984, Oct. 27.
Thermostatic control for engines. E. C. Kiekhaefer. 2,633,834, Apr. 7.
Thermostatic control for heating systems. C. F. Suesserott. 2,630,273, Mar. 3.
Thermostatic control switch. T. N. Flight, W. H. Wilson, and A. J. Chinn. 2,635,157, Apr. 14.
Thermostatic control system using potentiometers. A. J. Hornfeck. 2,632,599, Mar. 24.
Thermostatic control valve. J. K. Clark. 2,636,685, Apr. 28.
Thermostatic device. D. F. Drow. 2,643,825, June 30.
Thermostatic element. R. L. Perl. 2,635,003, Apr. 14.
Thermostatic fluid coupling mechanism. C. Johnson. 2,633,697, Apr. 7.
Thermostatic mixing valve. F. J. Cantalupo. 2,628,781, Feb. 17.
Thermostatic mixing valve. L. Troy. 2,651,467, Sept. 8.
Thermostatic mixing valve. A. Von Wangenheim. 2,657,859, Nov. 3.
Thermostatic regulating device. A. W. Rickenbach. 2,624,512, Jan. 8.
Thermostatic switch. J. B. Cataldo. 2,636,098, Apr. 21.
Thermostatic switch. G. H. Fritzinger. 2,660,646, Nov. 24.
Thermostatic switch. C. S. Mertler. 2,634,350, Apr. 7.
Thermostatic switch. A. D. Slatkin. 2,656,441, Oct. 20.
Thermostatic switch. N. J. Smith. 2,627,565, Feb. 3.
Thermostatic valve. H. B. Drapeau. 2,656,113, Oct. 20.
Thermostatic warning device. L. M. and A. Simmons and H. D. Arnott. 2,660,143, Nov. 24.
Thermostatically controlled milk cooler. W. Hurley. 2,656,154, Oct. 20.
Thermostatically heated limit switch. S. R. Shaffer. 2,632,083, Mar. 17.
Thiazolylamines, Production of. C. W. Sondern and P. J. Breivogel. 2,639,285, May 19.
Thickness indicator. F. D. McCormack. 2,641,058, June 9.
Thienyl and pyridyl esters. A. Burger. 2,638,471, May 12.
Thienyl halosilanes. P. A. Di Giorgio. 2,645,644, July 14.
Thienyl ketones. A. C. Byrns. 2,636,883, Apr. 28.
Thienyl-substituted polysiloxanes. P. A. Di Giorgio. 2,640,818, June 2.
Thienyl vat dye compounds and vat dye intermediates and their preparation. J. M. Straley and R. C. Harris. 2,656,361, Oct. 20.
Thimble, Last. W. J. Ripley. 2,634,452, Apr. 14.
Thin free films, Making. J. S. Bailey. 2,631,334, Mar. 17.
Thin polytetrahaloethylene films, Producing. D. B. Peck. 2,642,625, June 23.
Thioacetic acid and diacetyl sulfide, Manufacture of. W. W. Crouch. 2,639,293, May 19.
Thio-alkyl pantothenamides, Preparation of. E. E. Snell, E. L. Wittle, and J. A. Moore. 2,625,565, Jan. 13.
Thio bis (benzene sulfonyl hydrazide). B. A. Hunter. 2,626,280, Jan. 20.
Thiocyanogen containing compositions. H. F. Pfann. 2,639,267, May 19.
Thiocyanogen derivatives, Making. H. F. Pfann. 2,639,291, May 19.
Thioisonicotinamide. J. Lee. 2,653,942, Sept. 29.
Thiolane and its homologs, Preparing. G. B. Hatch. 2,648,675, Aug. 11.
Thiolesters and their preparation. W. W. Crouch, R. T. Werkman, and R. J. Fanning. 2,626,279, Jan. 20.
Thiolurethane quaternary ammonium salts and preparing them. J. Weijlard and M. Tishler. 2,642,450, June 16.
Thiolurethanes and preparing them. J. Weijlard and M. Tishler. 2,642,451, June 16.
Thionated indophenol products and processes. E. D. Robinson and D. F. Mason. 2,657,112, Oct. 27.
Thionophosphorus compounds, Production of. W. L. Jensen. 2,662,917, Dec. 15.
Thiophene amines. J. W. Schick and H. D. Hartough. 2,625,550, Jan. 13.
Thiophene polymers. G. C. Johnson. 2,658,902, Nov. 10.
Thiophosphate esters. H. W. Rudel and J. I. Wasson. 2,645,657, July 14.
Thiophosphate esters, Manufacture of. S. F. Orochena. 2,657,229, Oct. 27.
Thiophosphatosuccinimides. E. I. Hoegberg. 2,644,002, June 30.
Thiosemicarbazide, Preparation of. J. C. Paterson. 2,646,447, July 21.
Thiosemicarbazides, Preparation of. J. Klarer and R. Behnisch. 2,657,234, Oct. 27.
Thiosemicarbazones of furylketones. J. V. Scudi and F. E. Anderson. 2,639,287, May 19.
Thixotropic coating composition. B. W. Nordlander and R. E. Burnett. 2,645,626, July 14.

Thixotropic compositions. J. A. Loritsch and M. Berdick. 2,631,137, Mar. 10.
Thixotropic compositions. B. W. Nordlander and J. A. Loritsch. 2,641,586, June 9.
Thixotropic compositions. B. W. Nordlander and R. E. Burnett. 2,641,587, June 9.
Thorn-removing device and stem cutter. P. Catanese. 2,646,621, July 28.
Thread advancing device. H. A. Kuljian. 2,634,490, Apr. 14.
Thread advancing reel. A. W. Eidman and A. H. Wilkelis. 2,651,828, Sept. 15
Thread-advancing reel. H. P. Fry, Jr. 2,628,409, Feb. 17.
Thread advancing reel. W. V. Henry. 2,627,102, Feb. 3.
Thread-advancing reel. W. B. Lowe and H. E. Pape. 2,628,407–8, Feb. 17.
Thread-advancing reel. T. S. Mayner. 2,631,382, Mar. 17.
Thread advancing reel. S. C. Nelson. 2,656,584, Oct. 27.
Thread advancing reel. R. W. Stanley. 2,659,955, Nov. 24.
Thread advancing roll, Adjustable. H. J. McDermott. 2,639,486, May 26.
Thread break detector, Multifilament-responsive. C. B. Hayes. 2,648,061, Aug. 18.
Thread breaking means for sewing machines. N. Knaus and A. G. Millington. 2,655,887, Oct. 20.
Thread carrier. O. M. Schmidt. Re. 23,648, Apr. 21.
Thread clamp. M. R. Flamand. 2,624,370, Jan. 6.
Thread clamping mechanism, Sewing machine. R. K. Hohmann. 2,652,017, Sept. 15.
Thread collector. E. J. Griset, Jr., and R. T. Lynch. 2,661,588, Dec. 8.
Thread control for weft replenishing looms. R. G. Turner. 2,630,142, Mar. 3.
Thread control for weft replenishing looms. R. G. Turner. 2,630,841–2, Mar. 10.
Thread control for weft replenishing looms. W. H. Wakefield. 2,630,843, Mar. 10.
Thread-controlling mechanisms for sewing machines. A. N. Hale. 2,650,329, Nov. 17.
Thread cutter. C. P. Bergstrom. 2,642,095, June 16.
Thread cutter. E. P. Halligan. 2,629,886, Mar. 3.
Thread cutter for looms. C. Darwin. 2,642,094, June 16.
Thread cutter for looms, Temple. E. C. Nichols. 2,635,647, Apr. 21.
Thread cutting mechanism. F. C. Mostertz. 2,648,355, Aug. 11.
Thread cutting taps, Making. L. W. Bedker. 2,656,740, Oct. 27.
Thread drag tester. W. P. Ireland, Jr. 2,625,040, Jan. 13.
Thread end release and cutting mechanism. H. T. O'Neill, Jr. 2,646,936, July 28.
Thread forming method and apparatus. H. E. Pfingston. 2,645,954, July 21.
Thread gauge. C. J. Gilbert. 2,663,947, Dec. 29.
Thread gauging and flaw detecting device. R. E. Solliday and S. A. Steere. 2,657,450, Nov. 3.
Thread-gauging device. C. E. Foster. 2,662,300, Dec. 15.
Thread gripper. M. Barr. 2,656,583, Oct. 27.
Thread guide. W. T. Stearn. 2,624,528, Jan. 6.
Thread guide and needle clamping member for sewing machines. G. C. Sporney. 2,663,274, Dec. 22.
Thread guiding device. O. Stenglein. 2,659,539, Nov. 17.
Thread handling mechanism. M. Pedersen. 2,662,496, Dec. 15.
Thread holder for looms. T. J. Kiely. 2,628,639, Feb. 17.
Thread holder for weft replenishing loom, Pneumatic. J. T. Kennedy. 2,628,640, Feb. 17.
Thread holder for weft replenishing looms, Pneumatic. G. C. Beatrice. 2,625,182, Jan. 13.
Thread holder for weft replenishing looms, Pneumatic. R. F. Dion. 2,649,865–6, Aug. 25.
Thread manufacturing apparatus. H. A. Kuljian. 2,634,449, Apr. 14.
Thread or the like winding and advancing reel. T. S. Mayner. 2,631,354, Mar. 17.
Thread processing reel. R. W. Stanley. 2,654,962, Oct. 13.
Thread processing reel having liquid applying and liquid removing means. H. A. Kuljian. 2,625,811, Jan. 20.
Thread protector. H. J. Pfeil and C. A. Welles, Jr. 2,632,479, Mar. 24.
Thread protector. S. L. Phillips. 2,627,877, Feb. 10.
Thread protector. H. W. Ronfeldt. 2,632,478, Mar. 24.
Thread pull-off device for sewing machines. E. L. Koenig. 2,626,580, Jan. 27.
Thread reel. H. Kitzrow. 2,648,507, Aug. 11.
Thread remover, Pneumatic. J. T. Kennedy. 2,630,143, Mar. 3.
Thread rolling apparatus. V. H. Fray. 2,662,430, Dec. 15.
Thread rolling machine. R. E. Flanders and J. W. Batchelder. 2,624,218, Jan. 6.
Thread splitter, Ribbon rubber. D. G. Slovin. 2,654,936, Oct. 13.
Thread spool and needle holder. J. P. Gallagher and J. L. Kelly. 2,648,472, Aug. 11.
Thread storage reel. R. W. Stanley. 2,628,410, Feb. 17.
Thread storage-thread advancing device. G. M. Allen. 2,628,406, Feb. 17.
Thread supplying mechanism. W. Schweiter. 2,640,654, June 2.
Thread tension arrangement for knitting machines. P. Schmidt. 2,660,041, Nov. 24.
Thread tension for sewing machines, Supplemental. L. D. Secrest. 2,645,196, July 14.
Thread tensioning attachment for fly tying vises. P. E. Allen. 2,657,877, Nov. 3.
Thread tensioning device. L. te Strake. 2,640,662, June 2.
Thread tensioning device. R. S. Von Kohorn. 2,624,527, Jan. 6.
Thread tensioning means. C. S. Cole. 2,630,836, Mar. 10.
Thread treating machine. R. B. Newton and O. L. Williamson. 2,649,071, Aug. 18.
Thread trimming machine. J. Rubin. 2,661,519, Dec. 8.
Thread trimming machine. C. B. Scranton and C. T. Brewer. 2,643,435, June 30.
Thread winding machine, particularly cop winding frame. S. Fürst. 2,657,867, Nov. 3.
Threaded retaining device with friction reducing and cap means. E. Fears. 2,633,176, Mar. 31.
Threader, Needle. A. Pretorius. 2,656,080, Oct. 20.
Threader, Power pipe. A. T. Hutchinson. 2,631,308, Mar. 17.
Threading machine, Bead. R. Bagdon. 2,641,389, June 9.
Threading machine fixture. J. F. Ross. 2,645,794, July 21.
Threading machine, Nipple. D. D. R. Mackintosh. 2,644,964, July 14.
Threadless retainer. W. E. Summerbell. 2,646,713, July 28.
3-alkyl-2,2′-dihydroxy-3′,5,5′-trihalodiphenylmethanes. C. L. Moyle and P. A. Wolf. 2,630,458, Mar. 3.
3-beta-acyloxy-5,7,9(11)-pregnatrien-12,20-diones. R. H. Levin, A V. McIntosh, Jr., and G. B. Spero. 2,655,516, Oct. 13.
3-beta-hydroxy-5,7,9(11)-pregnatriene-12,20-dione. R. H. Levin, A V. McIntosh, Jr., and G. B. Spero. 2,628,240, Feb. 10.
3-(cyanomethyl) thianaphthene-1,1-dioxide. A. H. Schlesinger and D. T. Mowry. 2,658,068, Nov. 3.
3-diethylaminomethylpyridine salt of penicillin. H. W. Rhodehamel, Jr. 2,654,747, Oct. 6.
Three-dimensional checker or chess game board. C. D. Rutz. 2,652,255, Sept. 15.
Three-dimensional dendritic sodium chloride crystals, Production of. W. E. May and T. R. Scott. 2,642,335, June 16.
3,8-bis-(trifluoromethyl)-benzo (c) cinnoline and N-oxides thereof. S. D. Ross and I. Kuntz. 2,643,252, June 23.
3-ethoxypropyl 3-ethoxypropionate. H. A. Stansbury, Jr. and R. W. McNamee. 2,648,703, Aug. 11.
3,5 - dimethylphenoxyethanol,4 - chloro - 3,5 - dimethylphenoxyethanol and their use as systemic fungicides for plants. J. A. Lambrech. 2,626,227, Jan. 20.
3,4-benzopyrene-1,5-quinone. H. E. Schroeder. 2,653,953, Sept. 29.
3, 4-dihydroxy-4′-halogeno chalcones, G. J. Martin, J. M. Beiler, S. Avakian, and J. N. Moss. 2,647,148, July 28.
3-(halophenyl)-1-methyl-1-(methyl or ethyl) ureas and herbicidal compositions and methods employing same. C. W. Todd. 2,655,445, Oct. 13.
3-(halophenyl)-1,1-dialkyl ureas and weed control compositions and methods. C. W. Todd. 2,655,444, Oct. 13.
3-hydroxyphenyl quaternary ammonium compounds. J. A. Aeschlimann and A. Stempel. 2,647,924, Aug. 4.
Three-part clamp holder. A. J. Gore. 2,628,399, Feb. 17.
Three-phase alternating current apparatus with thermal protection. R. E. Seely. 2,662,203, Dec. 8.
3-pyridols from 2-acylfurans, Preparation of. A. P. Dunlop and S. Swadesh. 2,636,882, Apr. 28.
3,7-dibalo-4-hydroxyquinolines. M. E. Hultquist and T. F. Scholz. 2,653,941, Sept. 29.
3,7,11-trimethyl-1-dodecen-3-yl acetoacetate and the preparation thereof. W. Kimel. 2,628,251, Feb. 10.
Three side lock snap fastener. P. D. Becker. 2,632,222, Mar. 24.
Three-side lock snap fastener. H. S. van Buren, Jr. 2,644,214, July 7.
Three-stage condenser. F. B. Doyle. 2,643,052, June 23.
3-substituted 4-hydroxycoumarins and their production. W. Stoll and F. Litvan. 2,648,682, Aug. 11.
3-substituted, 3-aryl, 2-pipecolines and salts thereof. E. M. Schultz. 2,636,881, Apr. 28.
3-thianaphthenyloxyacetic acid, its salts and esters, and herbicidal composition thereof. F. F. Blicke. 2,645,572, July 14.
3,3-disubstituted-6-dimethylamino-2-hexanones, Preparing. E. M. Schultz. 2,656,388, Oct. 20.
3-thienyl thioethers. J. W. Brooks and S. J. Lukasiewicz. 2,662,900, Dec. 15.
3,20-diacyloxy-5,7,9(11),17(20)-pregnatetraene adducts. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,625,546, Jan. 13.
3,20 - diketo - 11,17 - dihydroxy - 21 - acyloxypregnane compounds. R. P. Graber and N. L. Wendler. 2,656,369, Oct. 20.
3,20-diketo-17α-hydroxy steroids, Preparation of. P. L. Julian, E. W. Meyer, and I. Ryden. 2,648,662, Aug. 11.
Three-wheeled motor vehicle. J. F. Joy. 2,630,186, Mar. 3.
Thresher having spring actuated beaters, Pea. J. H. Nelson. 2,661,745, Dec. 8.
Throttle control. C. W. Finkl. 2,655,051, Oct. 13.
Throttle control, Automatic. L. F. Soble. 2,656,024, Oct. 20.

Throttle control device for internal-combustion engines. S. M. Parker. 2,657,776, Nov. 3.
Throttle control, Electric. C. D. Comstock. 2,643,747, June 30.
Throttle control for automotive vehicles. L. A. Medlar and G. A. Naab. 2,658,591, Nov 10.
Throttle control for fluid pumping systems, Pressure responsive. W. G. Rowell. 2,634,681, Apr. 14.
Throttle control for outboard motors. G. E. Buske. 2,627,836, Feb. 10.
Throttle control means. J. E. Dillard. 2,638,082, May 12.
Throttle control with automatic governor. D. M. Plumb. 2,640,551, June 2.
Throttle controlled starter switch. L. C. Dermond. 2,650,988, Sept. 1.
Throttle safety attachment. E. L. Haynie. 2,657,757, Nov. 3.
Throttle system and method. W. W. Cushman. 2,627,851, Feb. 10.
Throttle valve. S. A. Foster. 2,654,562, Oct. 6.
Through-feed machine for treating sheet materials. D. B. McIlvin and A. R. Abbott. 2,637,193, May 5.
Through-wall flashing and receiver for side-wall flashing, Combination. E. J. Finn. 2,639,679, May 26.
Thrust absorbing device for rotationally oscillating systems. G. C. Seavey. 2,625,380, Jan. 13.
Thrust bearing. D. W. Dudley. 2,659,635, Nov. 17.
Thrust bearing. A. F. Hickman. 2,628,870, Feb. 17.
Thrust bearing. F. O. Luenberger. 2,633,392, Mar. 31.
Thrust bearing and reciprocator for shafts, Hydraulic. G. Compton, Jr. 2,661,580, Dec. 8.
Thrust coupling. G. C. Werner. 2,639,595, May 26.
Thrust transmission device for material handling equipment. E. A. Drott. 2,625,755, Jan. 20.
Thrust transmitting retainer for shaft mounted members. S. J. Spurgeon. 2,650,843, Sept. 1.
Thumb guide shear handle. C. J. Sullivan and W. B. Wright. 2,640,264, June 2.
Thumb rest safety, Revolver. M. Hansen. 2,654,174, Oct. 6.
Thumb screw with torque responsive overload release. W. L. Coop. 2,634,650, Apr. 14.
Thumbtack applicator. K. Bygbjerg. 2,640,985, June 9.
Thyratron control system for series motors. E. F. Kubler. 2,653,288, Sept. 22.
Thyratron inverter circuit. A. Bunblasky. 2,664,537, Dec. 29.
Thyratron reversing motor control system. L. U. C. Kelling. 2,653,289, Sept. 22.
Thyroprotein, Producing. E. S. West and J. T. Van Bruggen. 2,642,426, June 16.
Ticket control apparatus. R. Hofer. 2,655,863, Oct. 20.
Ticket issuing and printing machine. E. S. Spargo. 2,647,457, Aug. 4.
Ticket issuing machine. R. H. Helsel. 2,658,446, Nov. 10.
Ticket printing and issuing machine. J. Handley. 2,629,319, Feb. 24.
Ticket printing mechanism. B. K. Slonneger. 2,625,103, Jan. 13.
Ticket stacking receptacle. R. I. N. Weingart. 2,653,760, Sept. 29.
Ticket storage and issuing equipment. C. F. Webb. 2,657,750, Nov. 3.
Tie and garment press. H. A. Holt. 2,627,129, Feb. 3.
Tie pack. B. H. Perry. 2,643,035, June 23.
Tie bar for insulated concrete walls. C. B. Jones. 2,645,929, July 21.
Tie case. F. G. Husted. 2,649,190, Aug. 18.
Tie clasp with interchangeable slides. N. B. Baroody, Jr. 2,655,751, Oct. 20.
Tie forming and holding pin. W. R. Rees. 2,624,883, Jan. 13.
Tie holder. F. F. Gurzny. 2,647,263, Aug. 4.
Tie, Man's. J. Melville. 2,632,893, Mar. 31.
Tie plate clamp and rail guard. J. R. Snyder. 2,652,982, Sept. 22.
Tie pinning machine and method. P. de Anguera. 2,636,525, Apr. 28.
Tie rack. G. R. Arseneault. 2,658,626, Nov. 10.
Tie rack. E. G. Friesz. 2,659,643, Nov. 17.
Tie rod for concrete wall forms. B. Hillberg. 2,657,449, Nov. 3.
Tie rod lock. A. Stoddard. 2,660,460, Nov. 24.
Tie rods for concrete wall forms, Manufacturing. B. Hillberg. 2,657,455, Nov. 3.
Tie seal, Adhesive. C. S. Dahm. 2,639,479, May 26.
Tie tamper, Electric. L. Tarwater. 2,643,649, June 30.
Tying and fastening device. H. W. Patterson. 2,648,879, Aug. 18.
Tying device, Portable. C. E. Young. 2,638,714, May 19.
Tight coat hot dip galvanizing and hot dip galvanized product. N. E. Cook and S. L. Norteman. 2,647,305, Aug. 4.
Tight wire rigging. F. P. Evers. 2,646,280, July 21.
Tightening apparatus for typewriter mountings. J. H. Page. 2,653,067, Sept. 22.
Tightening device for grain boxes and like structures. M. J. Nielsen. 2,638,647, May 19.
Tile and beam floor construction, Preformed. C. L. Sanford. 2,639,607, May 26.
Tile containing a filler, a binder, a vegetable oil pitch, and wax tailings, Mastic. P. C. Doyle and K. H. Rudd. 2,635,054, Apr. 14.
Tile-counting device. L. D. Bishop. 2,656,053, Oct. 20.
Tile, Interlocking plastic. J. J. Lopina. 2,627,744, Feb. 10.
Tile, Interlocking roofing. F. L. Weber. 2,644,410, July 7.
Tile manufacturing machine. C. Peavy. 2,641,819, June 16.
Tile, Mastic. D. W. Moore and A. H. Searl. 2,649,428, Aug. 18.
Tile roof structure. R. Farren. 2,624,298, Jan. 6.
Tile set tool. V. Pizzani. 2,630,702, Mar. 10.
Tile structure, Suspended arch. F. D. Hazen. 2,634,694, Apr. 14.
Tile, Surface-covering. Z. W. Mann. 2,637,995, May 12.
Tiller, Rotary. O. L. Meeks. 2,657,620, Nov. 3.
Tiller, Rotary. H. C. Ober. 2,633,789, Apr. 7.
Tiller, Rotary soil. J. H. Sutton. 2,644,386, July 7.
Tilling device, Rotary earth. G. E. Beard. 2,664,040, Dec. 29.
Tilt corrector for fire control computers. S. Darlington and A. A. Lundstroni. 2,658,675, Nov. 10.
Tilt headed tap bolt. M. S. Tyson. 2,660,083, Nov. 24.
Tiltable support. C. J. Schmitt. 2,662,708, Dec. 15.
Tilting arrangement for shortwall coal cutting machines. C. F. Osgood. 2,650,811, Sept. 1.
Tilting electrical melting furnace of egg shaped cross section. L. K. G. Hogel and L. Dreyfus. 2,650,255, Aug. 25.
Tilting mechanism, Dump body. V. J. Komuchar. 2,635,005, Apr. 14.
Tilting mechanism for kerf cutting machines. L. E. Simmons. 2,661,939, Dec. 8.
Tilting mechanism for tractor loaders. L. H. Lull. 2,653,722, Sept. 29.
Timber grapple. W. A. Hyman. 2,625,424, Jan. 13.
Timber setting machine. C. F. Ball. 2,649,979, Aug. 25.
Timber setting machine. L. G. Felderman and A. S. Knoizen. 2,656,057, Oct. 20.
Timber setting machine. C. W. Fitzgerald. 2,648,444, Aug. 11.
Timber truss joint. P. N. Holmes. 2,629,906, Mar. 3.
Time-advanced actuating device for weaving loom stop-motions. J. Picanol. 2,663,329, Dec. 22.
Time and activity occuring time comparing device. R. J. Biddlestone. 2,629,186, Feb. 24.
Time break recording in seismic prospecting. F. L. Lawrence. 2,641,749, June 9.
Timecard, Multiple. G. K. Pattison. 2,657,942, Nov. 3.
Timecard rack. M. L. Goodman. 2,642,189, June 16.
Time-clock starting mechanism, Automobile. M. B. Doyle. 2,650,987, Sept. 1.
Time comparator mechanism, Mechanical. M. E. Buehler. 2,663,863, Dec. 22.
Time compensator, Hydraulic. E. W. Patterson. 2,651,945, Sept. 15.
Time control, Electrical automatic. S. Rasmussen. 2,627,415, Feb. 3.
Time control means for electrically heated cooking receptacle. E. C. Sullivan. 2,657,300, Oct. 27.
Time control mechanism. D. B. Brizzee. 2,630,501, Mar. 3.
Time control switch. E. C. Williams. 2,647,963, Aug. 4.
Time-controlled actuating apparatus. S. J. V. Ortenblad. 2,632,066, Mar. 17.
Time cycle controller. J. R. Davidson. 2,637,835, May 5.
Time-delay attachment for wall switches. C. H. Bracken. 2,637,788, May 5.
Time delay circuits. J. J. and J. J. Kurland. 2,658,141, Nov. 3.
Time-delay control apparatus. C. Lindahl. 2,627,919, Feb. 10.
Time-delay device for high-pressure liquid-fuel-supply pumps. Hydraulic. J. A. Logan and G. D. Robinson. 2,662,477, Dec. 15.
Time delay device, Pneumatic. C. Lindahl. 2,630,886, Mar. 10.
Time delay means for controlling fluid pressure in electric cable systems. G. B. Shanklin. 2,628,995, Feb. 17.
Time delay relay. T. B. Jochem. 2,656,434, Oct. 20.
Time-delay relay. A. B. Poole. 2,631,664, Mar. 17.
Time delay relay. C. A. Schaefer. 2,662,594, Dec. 15.
Time delayed ground probe switch. J. O. Vann. 2,662,707, Dec. 15.
Time division system, Pulse interval. P. W. Borgeson. 2,643,330, June 23.
Timekeeper, Universal. F. Galley. 2,641,898, June 16.
Time keeping device motor. M. Morrison. 2,640,175, May 26.
Timekeeping magnetic escapement and rotor unit therefor. M. P. Nichols. 2,654,989, Oct. 13.
Time measurement system. E. F. Shelley. 2,651,022, Sept. 1.
Time-modulated two-stage hydraulic valve. K. R. Jackson. 2,655,940, Oct. 20.
Timepiece, Calendar. R. Favre. 2,650,467, Sept. 1.
Timepiece, Lever wound. G. Bridevaux. 2,652,684, Sept. 22.
Timepiece movement comprising a differential gear. F. Meyer. 2,642,716, June 23.
Timepiece, Self-winding. O. Von Aesch. 2,646,661, July 28.
Timepiece, Universal. L. Cottier. 2,635,414, Apr. 21.
Timepiece with chronograph. R. H. Jeanneret. 2,641,900, June 16.

Time-pressure control. H. S. King. 2,640,121, May 26.
Time-service control apparatus for auto service stations and the like. R. F. Ostrander. 2,647,328, Aug. 4.
Time switch. F. O. and R. B. Horstmann. 2,636,559, Apr. 28.
Time switch. D. Morrison. 2,662,943, Dec. 15.
Time synchronizing mechanism. O. H. Dicke. 2,651,168, Sept. 8.
Time system. E. G. Johnson. 2,648,832, Aug. 11.
Time system with electronic self-regulation, Electric. J. L. Wagner, W. Webb, and R. N. Eichorn. 2,647,360, Aug. 4.
Time zone indicator system. M. Glenn. 2,662,368, Dec. 15.
Timed valve. W. C. Rogers. 2,636,560, Apr. 28.
Timer. H. T. Pehr. 2,633,507, Mar. 31.
Timer. C. A. Schaefer. 2,645,285, July 14.
Timer and the like, Sequential. W. C. Crimmins. 2,624,811, Jan. 6.
Timer apparatus. D. F. Illian and N. T. Terp. 2,663,786, Dec. 22.
Timer apparatus for parking meters. G. A. Hale. 2,655,797, Oct. 20.
Timer assembly, Ignition. W. H. Spang. 2,635,150, Apr. 14.
Timer construction. K. K. Neumann. 2,662,595, Dec. 15.
Timer construction, Interval. K. K. Neumann. 2,650,466, Sept. 1.
Timer controlled apparatus adapted to feed and measure materials. F. A. Craig and J. H. Garvey. 2,643,026, June 23.
Timer, Electromechanical interval. P. M. Green. 2,645,767, July 14.
Timer, Electronic. W. H. Esselman. 2,651,770, Sept. 8.
Timer, Electronic. E. C. Hartwig and H. W. Van Ness. 2,653,209, Sept. 22.
Timer for model airplanes. H. F. Auler and E. E. Kohls. 2,640,295, June 2.
Timer for welding systems. E. C. Hartwig and R. F. Barrell. 2,639,361, May 19.
Timer, Group controlled electric. J. Hertrich. 2,644,518, July 7.
Timer, Ignition. J. W. Dyer and R. A. Wilkins. 2,640,116, May 26.
Timer, Ignition. H. V. Elliott. 2,657,556, Nov. 3.
Timer, Ignition. A. G. Lautzenhiser. 2,643,304, June 23.
Timer, Ignition. O. H. Thomas. 2,626,997, Jan. 27.
Timer, Interval. R. C. Darnell. 2,646,844, July 28.
Timer, Manual and automatic switch. R. L. Boyles. 2,635,690, Apr. 21.
Timer outlet, Electrical. A. O. Seeler and L. Gehrig. 2,626,660, Jan. 27.
Timer, Reel. C. Mingione. 2,660,797, Dec. 1.
Timing and resetting apparatus. H. K. Rixford, A. E. Rockwood, and J. K. Maki. 2,631,666, Mar. 17.
Timing and sequencing circuit. J. J. Riley and R. Alm. 2,660,654, Nov. 24.
Timing apparatus, Electrical. L. F. Elliott. 2,656,461, Oct. 20.
Timing apparatus for clocks and watches. P. B. Wickham. 2,624,194, Jan. 6.
Timing apparatus for washing machines, Automatic. P. G. Frerer and C. S. Smith. 2,656,424, Oct. 20.
Timing apparatus, Thermal. P. G. Hughes. 2,654,010, Sept. 29.
Timing device. E. Allgaier. 2,630,171, Mar. 3.
Timing device. C. Bradley. 2,664,155, Dec. 29.
Timing device. F. H. Hunter. 2,636,949, Apr. 28.
Timing device. T. Moore. 2,641,701, June 9.
Timing device. W. C. Morrow. 2,628,469, Feb. 17.
Timing device. B. E. Shaw and P. Giuffrida. 2,624,812, Jan. 6.
Timing device, Coin-operated. V. Trad. 2,625,996, Jan. 20.
Timing device, Electric. B. D. Dorfman. 2,651,166, Sept. 8.
Timing device, Electric. E. B. Farmer. 2,650,301, Aug. 25.
Timing device, Ignition. W. P. Newsome. 2,664,012, Dec. 29.
Timing indicator for internal-combustion engines. G. M. Walraven and W. R. Elwell. 2,644,131, June 30.
Timing means for fuel pumps, Automatic. V. D. Roosa. 2,660,992, Dec. 1.
Timing mechanism. S. J. Smith and J. Isreeli. 2,651,361, Sept. 8.
Timing switch mechanism for laundry folding apparatus. L. M. Kahn. 2,629,591, Feb. 24.
Timing system. N. B. Taylor. 2,650,333, Aug. 25.
Timing system and apparatus, Electrical. J. H. Hall. 2,635,689, Apr. 21.
Timing system, Automatic. E. I. Valyi. 2,632,508, Mar. 24.
Ti-Mn-Fe alloys. C. M. Craighead. 2,664,355, Dec. 29.
Tin and tin alloy plating bath. J. W. Andrews. 2,633,450, Mar. 31.
Tip for umbrellas and means for attaching the covers of umbrellas thereto. M. M. Harris. 2,628,581, Feb. 17.
Tip-up device for fishing through ice. R. D. King. 2,663,962, Dec. 29.
Tip up extension for air brake levers. A. W. McKee. 2,641,939, June 16.
Tip-up for ice fishing. J. Feigley and J. E. Pierce, Jr. 2,636,303, Apr. 28.
Tipless quartz lamp. C. Wiener. 2,664,517, Dec. 29.
Tippler for railway wagons, Rotary. R. Robson. 2,659,499, Nov. 17.
Tire. A. J. Palko and W. E. Shively. 2,642,914, June 23.
Tire adapter. O. C. Blomgren. 2,656,083, Oct. 20.
Tire, Adjustable. J. D. Langdon. 2,650,632, Sept. 1.
Tire air indicator apparatus. J. K. Jacobus. 2,658,119, Nov. 3.
Tire air pressure gauge. A. C. Schler, Jr. and R. V. Layton. 2,630,013, Mar. 3.
Tire and apparatus therefor, Siping. J. C. Heintz. 2,660,767, Dec. 1.
Tire and making same, Pneumatic. G. R. Cuthbertson, H. M. Buckwalter, and A. C. Danielson. 2,657,730, Nov. 3.
Tire and making same, Pneumatic. W. F. O'Neil. 2,645,265, July 14.
Tire and making same, Pneumatic. C. B. Orr. 2,628,652, Feb. 17.
Tire and rim assembling apparatus, Automatically adjusting power-operated. E. Mullen. 2,661,053, Dec. 1.
Tire and wheel carrier. P. C. Brown. 2,631,764, Mar. 17.
Tire and wheel handling and stripping machine. T. M. Curley. 2,640,604, June 2.
Tire bead breaker, Circumferentially traveling. J. G. Obee. 2,634,803, Apr. 14.
Tire bead breaking band tool. E. J. Danroth and A. Petkau. 2,652,103, Sept. 15.
Tire bead lock clip. C. E. Zarth. 2,663,061, Dec. 22.
Tire bead loosener, Nut actuated spider type. F. A. Morgan. 2,650,659, Sept. 1.
Tire bead loosening lever. R. G. Taylor. 2,660,229, Nov. 24.
Tire bead stitching mechanism. P. E. Appleby. 2,649,892, Aug. 25.
Tire buffing band. P. E. Hawkinson. 2,658,258, Nov. 10.
Tire building apparatus. H. C. Bostwick. 2,625,198, Jan. 13.
Tire building apparatus. F. S. Sternad and J. P. Sapp. 2,655,321, Oct. 13.
Tire building machine. L. C. Frazier. 2,653,645, Sept. 29.
Tire casing spreader. W. R. Perry. 2,642,264, June 16.
Tire chain. A. Peterson. 2,657,727, Nov. 3.
Tire chain cross-link and anchor assembly. A. H. Perlman. 2,637,363, May 5.
Tire chain cross-link and anchor assembly. A. H. Perlman. 2,658,547, Nov. 10.
Tire chain fastener. W. H. Devonshire. 2,648,881, Aug. 18.
Tire chain fastener. R. N. Doney. 2,655,072, Oct. 20.
Tire chain mechanism. F. J. Barnes. 2,634,780, Apr. 14.
Tire cleat, Removable. E. F. Rusch. 2,646,834, July 28.
Tire construction. H. F. Palmer. 2,640,523, June 2.
Tire display. S. Dubin and J. Goldberg. 2,660,823, Dec. 1.
Tire, Electric current discharge rubber. G. P. Bridgefield. 2,641,294, June 9.
Tire for bomb trucks. J. H. Prowinsky. 2,664,296, Dec. 29.
Tire inflation control system. E. R. Fitch. 2,634,784, Apr. 14.
Tire inflation control system. T. J. Turek. 2,634,781, Apr. 14.
Tire inflation control system. T. J. Turek and R. V. Firth, Sr. 2,634,782–3, Apr. 14.
Tire inflator. C. Farris. 2,663,348, Dec. 22.
Tire insert holder. E. A. Schroeder. 2,632,268, Mar. 24.
Tire locating ring assembly for retreading molds. E. A. Glynn. 2,659,104, Nov. 17.
Tire lug. E. V. Brown. 2,649,885, Aug. 25.
Tire mold. J. C. Heintz. 2,638,629, May 19.
Tire mounting and demounting apparatus, Circumferentially traveling type. H. M. Rockwell. 2,661,793, Dec. 8.
Tire mounting apparatus, Circumferentially traveling support-mounted. R. D. Henderson. 2,655,985, Oct. 20.
Tire mounting for automobiles, Spare. C. L. Lundgren. 2,643,041, June 23.
Tire mounting under hood accessible through door opening. B. Walker. 2,647,011, July 28.
Tire moving appliance. L. A. Clark. 2,655,341, Oct. 13.
Tire, Multichamber pneumatic. J. B. Des Rosiers. 2,641,295, June 9.
Tire pressure device. C. C. Pierce. 2,656,094, Oct. 20.
Tire pressure gauge. O. F. Fletcher. 2,660,890, Dec. 1.
Tire pressure indicator. H. G. Benz. 2,639,685, May 26.
Tire pressure indicator. R. R. Schmitt. 2,635,577, Apr. 21.
Tire pressure relief valve. J. D. Kelly. 2,633,148, Mar. 31.
Tire pressure responsive safety device. B. J. Ainsworth and E. J. Courts. 2,629,086, Feb. 17.
Tire rack. C. L. White. 2,635,795, Apr. 21.
Tire removing apparatus with circumferentially distributed thrust members. E. Douglass. 2,647,564, Aug. 4.
Tire removing device, Circumferentially adjustable. R. A. Weaver. 2,653,653, Sept. 29.
Tire, Resilient. E. Eger. 2,650,633, Sept. 1.
Tire shaping machine. J. H. Braley. 2,651,893, Sept. 15.
Tire spreader. G. E. Anderson. 2,650,062, Aug. 25.
Tire spreader. E. H. Koester. 2,647,722, Aug. 4.
Tire spreader. J. L. Trunnell. 2,631,817, Mar. 17.
Tire tool. W. J. Cox. 2,642,265, June 16.
Tire traction clamp. B. H. Lantz. 2,652,092, Sept. 15.

Tire tread. J. C. Eller and W. E. Lyon. 2,626,649, Jan. 27.
Tire tread gauge. R. K. Boyer. 2,654,156, Oct. 6.
Tire tread having adjustable traction device. A. W. Bull. 2,627,888, Feb. 10.
Tire tread removing and truing device. P. E. Hawkinson. 2,645,147, July 14.
Tire tread, Stone-ejecting. W. F. R. Briscoe and V. H. Berry. 2,637,362, May 5.
Tire truing device. F. L. Anderson and G. Bowers. 2,649,665, Aug. 25.
Tire valve stem protector. J. W. and J. B. Nelson. 2,638,956, May 19.
Tire, Vehicle. A. H. Lambach. 2,634,779, Apr. 14.
Tire, Vehicle. I. I. Tubbs. 2,634,785, Apr. 14.
Tire, wheel, and locking ring assembling machine. A. H. Rerick and G. A. Kellogg. 2,635,682, Apr. 21.
Tire warning device, Deflated. T. J. Finan. 2,663,009, Dec. 15.
Tires, Making pneumatic. W. A. Steinle. 2,649,134, Aug. 18.
Tissue container. V. V. Jurzyniec. 2,633,984, Apr. 7.
Tissue dispenser. J. W. Fay. 2,651,409, Sept. 8.
Tissue dispensing packet. A. W. Taylor. 2,624,456, Jan. 6.
Tissue, Facial. M. Donovan. 2,627,974, Feb. 10.
Tissue interfolding method and apparatus. R. N. Sabee. 2,626,145, Jan. 20.
Tissue package holder. G. F. Stoger. 2,655,338, Oct. 13.
Titanium base alloys. R. K. Pitler. 2,640,773, June 2.
Titanium base alloys containing silicon. E. F. Swazy, R. H. Frey, and L. S. Busch. 2,661,286, Dec. 1.
Titanium concentrates. S. S. Cole. 2,631,941, Mar. 17.
Titanium dioxide pigments, Production of. C. A. Tanner, Jr., and D. C. Hall. 2,628,919, Feb. 17.
Titanium electrode. R. J. Bondley. 2,629,803, Feb. 24.
Titanium metal, Production of. C. K. Stoddard and J. L. Wyatt. 2,663,634, Dec. 22.
Titanium smelting process. J. F. Jordan. 2,647,826, Aug. 4.
Titanium tetrachloride, Preparation of. O. F. Sprague. 2,650,873, Sept. 1.
Toast rack. E. A. Farr. 2,640,600, June 2.
Toaster. L. Baer. 2,660,108, Nov. 24.
Toaster. C. J. Foster. 2,644,392, July 7.
Toaster. H. F. Hild. 2,624,269, Jan. 6.
Toaster and electronic timer. J. P. Theisen. 2,631,524, Mar. 17.
Toaster, Automatic electric. B. G. Olving. 2,631,523, Mar. 17.
Toaster, Bun. J. C. Thompson. 2,648,275, Aug. 11.
Toaster, Cylindrical sandwich. M. L. Evans. 2,640,905, June 2.
Toaster, Electric. G. A. Brace. 2,658,442–3, Nov. 10.
Toaster, Electric. L. J. Fichter. 2,641,175, June 9.
Toaster, Electric. R. H. Gardner. 2,637,267, May 5.
Toaster, Electric. A. G. Horvath. 2,624,268, Jan. 6.
Toaster, Electric. D. W. Morphy and W. M. Russell. 2,641,993, June 16.
Toaster, Electric. D. W. Morphy and W. M. Russell. 2,659,297, Nov. 17.
Toaster, Electric. R. H. Smith. 2,649,729, Aug. 25.
Toaster, Electric bread. H. L. Olson. 2,624,267, Jan. 6.
Toaster with quick release crumb tray. P. J. McCullough. 2,655,095, Oct. 13.
Toasting apparatus. G. P. Daiger. 2,624,824, Jan. 6.
Tobacco appliance. S. A. Schramm. 2,638,906, May 19.
Tobacco cleaner and classifier. L. A. Rowell. 2,658,617, Nov. 10.
Tobacco conditioner assembly. H. J. Erb, Jr. 2,635,937, Apr. 21.
Tobacco curing stick mounting means. L. E. V. Stickler. 2,662,718, Dec. 15.
Tobacco curing system. J. E. Thomas. 2,631,782, Mar. 17.
Tobacco dispenser. M. Friedman. 2,641,361, June 9.
Tobacco drier. G. H. Swearingen. 2,660,995, Dec. 1.
Tobacco feeding device. G. Zint. 2,642,878, June 23.
Tobacco holder and cigarette maker, Combination. W. E. Sperry. 2,625,937, Jan. 20.
Tobacco package. I. Korenman. 2,624,454, Jan. 6.
Tobacco pipe. E. W. Baxter. 2,634,732, Apr. 14.
Tobacco pipe. P. N. Youtz. 2,652,836, Sept. 22.
Tobacco pipe bowl. R. O. Ferguson. 2,651,307, Sept. 8.
Tobacco sheet material and making same. F. G. Pearce. 2,626,612, Jan. 27.
Tobacco smoking pipe. F. N. Mariani. 2,631,591, Mar. 17.
Tobacco smoking pipe. A. M. Timpé. 2,652,062, Sept. 15.
Tobacco spreader for cigarette making machines. R. Fellmann. 2,656,840, Oct. 27.
Tobacco stemmer. S. Hathaway. 2,624,344, Jan. 6.
Tobacco stringing machine. M. Bourquin. 2,643,008, June 23.
Tobacco treatment. W. G. Frankenburg. 2,644,462, July 7.
Toboggan, Folding. W. H. Pagelkopf. 2,627,422, Feb. 3.
Toe correction device. J. A. La Bille. 2,636,491, Apr. 28.
Toe pledget. B. D. Morgan. 2,663,296, Dec. 22.
Toe protector. I. Kiwad. 2,640,482, June 2.
Toe protector. I. Kiwad. 2,655,917, Oct. 20.
Toe stop for roller skates. R. J. Neschke. 2,655,385, Oct. 13.
Toe structure for full-fashioned hosiery. J. A. Pons. 2,663,175, Dec. 22.
Toggle-actuated carriage bolt wrench. C. Gould. 2,639,638, May 26.
Toggle actuated plier wrench. J. Johnson. 2,643,567, June 30.
Toggle clamp. E. Zazdrzyk. 2,630,035, Mar. 3.
Toggle fastener. J. Love. 2,653,842, Sept. 29.
Toggle switch. O. H. Hasselbaum. 2,625,620, Jan. 13.
Toggle type connecting assembly. J. S. Kessler. 2,649,632, Aug. 25.
Toilet and sealer, Dry. E. H. Posey. 2,642,579, June 23.
Toilet case. G. Miller and E. K. Renz. 2,640,520, June 2.
Toilet flush tank float valve. S. M. Bennett. 2,629,879 Mar. 3.
Toilet flush valve. W. H. Walker. 2,657,395, Nov. 3.
Toilet kit. G. O. Dean. 2,635,612, Apr. 21.
Toilet paper holder. E. J. Hill. 2,658,690, Nov. 10.
Toilet paper holder. B. E. Moriarty. 2,641,415, June 9.
Toilet paper roll holder. B. T. Borton. 2,627,382, Feb. 3.
Toilet paper roll holder. H. W. Krueger. 2,632,606, Mar. 24.
Toilet paper roll holder. L. S. Lee. 2,632,605, Mar. 24.
Toilet seat cover lock. R. R. Rowe and L. J. Schuppert. 2,651,053, Sept. 8.
Toilet step-up for children. N. B. Blumenshine. 2,629,882, Mar. 3.
Toilet tank. A. J. Wirkus. 2,648,848, Aug. 18.
Toilet tank flush valve. K. K. Karr. 2,643,393, June 30.
Toilet tissue cover. P. Smallen. 2,649,255, Aug. 18.
Toilet tissue holder. E. H. Lindenmeyer. 2,657,872, Nov. 3.
Toilet waters and perfumes, Color-stable. A. L. Fox and R. J. Mehaffey. 2,664,383, Dec. 29.
Toll barrier, Flexible. J. A. T. Ellison. 2,663,103, Dec. 22.
Toll collector device, Automatic. J. R. Stovall, Jr. 2,646,215, July 21.
Toll-ticketing system, Automatic. J. W. Gooderham. 2,629,016, Feb. 17.
Tone arm positioning mechanism for automatic record changer phonographs. R. T. Haggerty. 2,640,702, June 2.
Tone control system. G. Mountjoy and C. R. Schafer. 2,626,991, Jan. 27.
Tone interrupter for audiometers. F. E. Barron. 2,625,613, Jan. 13.
Toning photographs and composition therefor. O. R. Hyndman. 2,659,674, Nov. 17.
Tong extracting and resetting mechanism, Automatic. E. E. Eckstein. 2,656,212, Oct. 20.
Tong, Lifting. H. L. Triestram. 2,628,120, Feb. 10.
Tong, Pipe spinning. C. A. Lundeen. 2,645,460, July 14.
Tong, Spinning and make-up. C. A. Lundeen. 2,649,283, Aug. 18.
Tongs. I. B. Coyle. 2,647,006, July 28.
Tongs, Lifting. C. S. Dixon. 2,634,152, Apr. 7.
Tongue and picker stick check for looms, Parallel. J. C. Crocker. 2,655,183, Oct. 13.
Tongue attaching device, Bendable. W. H. Churchill. 2,653,687, Sept. 29.
Tongue construction for shoes. M. D. Herceg. 2,632,260, Mar. 24.
Tongue depressor and mirror therefor. W. T. Canan. 2,653,597, Sept. 29.
Tonneau cover for motor vehicles. P. B. Molinaro. 2,638,378, May 12.

Tool: See—
Abrading tool.
Abrasive belt tool.
Abrasive tool.
Abrasive wheel dressing tool.
Adjustable cutting tool.
Adjustable lever actuated tire bead breaking tool.
Angle measuring tool.
Auto body repairing tool.
Automatic cycle machine tool.
Automatic machine tool.
Automatic transfer machine tool.
Automatically operable orienting tool.
Automotive wheel tool.
Ball plug setting tool.
Bearing insert removing and applying tool.
Binder-strap joint-forming tool.
Bolt holding tool.
Bone reducing tool.
Boring bar micrometer tool.
Boring, facing, and recessing tool.
Boring tool.
Brake anchor tool.
Broaching tool.
Burring tool.
Bushing remover tool.
Butt-gauging tool.
Cam closing hand tool.
Cam operated synchro-ring staking tool.
Camber adjusting tool.
Camber correction tool.
Carpenter's layout tool.
Casing repair tool.
Centering and well cleaning tool.
Circumferential tire slitting tool.
Clip clinching tool.
Collapsible boring tool.
Combination carpenter's tool.
Combined shut-in and back circulation tool.
Compound boring tool.
Concrete block handling tool.
Core-sampling tool.
Cotter pin tool.
Cutting tool.
Cylinder surfacing tool.
Deburring and chamfering tool.
Deburring, chamfering, and countersinking tool.
Deep well fishing tool.
Deflecting tool.
Dehorning tool.
Diamond dressing tool.
Diaphragm spring reciprocating tool.
Digging tool.
Drilling and cutting tool.
Earth cutting tool.

Tool: *See*—Continued.
Earth working tool.
Electric resistance welding tool.
Electrically powered blind riveting tool.
Fertilizing garden tool.
Fish skinning tool.
Fisherman's plier type shot splitting tool.
Fishing tool.
Flaring tool.
Flexible band turning tool.
Flexible-conduit tool.
Floor laying tool.
Flywheel turning tool.
Force applying tool.
Form cutting tool.
Garden cutting tool.
Garden tool.
Generator lifting tool.
Gripping tool.
Grooving tool.
Hand-guided and chain-driven bark-removing tool.
Hand strap tensioning tool.
Hand tool.
Hardware removing tool.
Hinge adjusting and bending tool.
Hog ring clinching tool.
Hole burring tool.
Hose covering stripping tool.
Hydraulic impact tool.
Hydraulically operable valve controlled well tool.
Hydraulically operated machine tool.
Ice-cream carton lifting, scraping, and cutting tool.
Indenting tool.
Insulated electrical tool.
Lapping tool.
Lathe tool.
Layout measuring tool.
Lens adjusting tool.
Lever actuated tire bead loosening tool.
Longitudinal delivered rotary impact tool.
Lost motion measuring tool.
Machine tool.
Magnetic abrasion tool.
Magnetic fishing tool.
Masonry pointing tool.
Mechanical impact tool.
Metal cutting tool.
Milling and the like machine tool.
Netmaking and gauging tool.
Nursing unit assembling tool.
Oil tool.
Oil well contamination removing tool.
Oil well finishing tool.
Oil well tool.
Outside pipe cutting tool.
Package binding tool.
Pattern grading tool.
Pattern tool.
Percussion drilling tool.
Percussive tool.
Pipe grooving tool.
Pipe tool.
Pivoted contact measuring tool.
Pivoted handle tool.
Pivoted sheet metal flanging hand tool.
Pointed tool.
Pole-shoe tool.
Portable piston knurling tool.
Portable tool.
Power-operated, predetermined torque release hand tool.
Ratchet type impact tool.
Reciprocating power tool.
Refacing tool.
Removable subsurface well tool.
Rivet-bucking tool.
Rock drilling tool.
Rock-grooving tool.
Rod gripping tool.
Rotary cutting tool.
Rotary surface-finishing tool.
Rowel type pipe cleaning tool.
Sample taking tool.
Saw setting tool.
Scraper-type cultivator tool.
Screw-holding and screw-driving tool.
Screw removing tool.
Sealing tool.
Seamless tube drawing tool.
Self-releasing fishing rod tool.
Sheet cutting tool.
Split collar mounting tool.
Stepped edge cutting tool.
Straightedge and level combination tool.
Strap fastening tool.
Stud driving tool.
Suction cleaning tool.
Surface conditioning tool.
Tappet adjusting tool.
Tile set tool.
Tire bead breaking hand tool.
Tire tool.
Torque indicating power operated tool.
Tube bending tool.
Tube cleaning tool.
Tube expanding tool.
Tube flaring tool.
Tube working tool.
Vacuum floor tool.
Valve removing tool.
Valve seat reconditioning tool.
Vertical automatic machine tool.
Ware lining tool.
Watchmaker's tool.
Well bore retrieving tool.
Well formation testing tool.
Well formation tool.
Welt brace-laying tool.
Wheel-changing tool.
Wire bending and coiling tool.
Wire bending and tightening tool.
Wire connecting tool.
Wire pulling tool.
Work-holding tool.

Tool. W. H. Alexander. 2,653,375, Sept. 29.
Tool. H. H. Manning. 2,640,381, June 2.
Tool actuating mechanism and control unit therefor. W. E. Raney. 2,648,238, Aug. 11.
Tool and level, Spirit plumbing. W. G. Baldwin. 2,637,912, May 12.
Tool and operating circuit therefor, Machine. R. I. Eyler. 2,655,670, Oct. 20.
Tool and reamer, combination tube working. G. E. Franck. 2,630,029, Mar. 3.
Tool assembly, Diamond. J. Loecy, Jr. 2,628,608, Feb. 17.
Tool assembly, Diamond. J. Loecy, Jr. 2,644,442, July 7.
Tool attachment for tractors. J. G. Lindeman. 2,635,518, Apr. 21.
Tool attachment, Reciprocating saw. A. J. Folli. 2,631,619, Mar. 17.
Tool-bar for crawler tractors. L. H. Kaupke. 2,660,938, Dec. 1.
Tool bit. H. M. Sheridan. 2,627,106, Feb. 3.
Toolbox. T. Fuhse. 2,657,657, Nov. 3.
Toolbox with pivoted tray section. R. B. Corkish. 2,628,752, Feb. 17.
Tool carriage ring for pipe cleaning machines. R. A. J. Dawson. 2,635,270, Apr. 21.
Tool carrier and toolholder. C. Gobel. 2,631,357, Mar. 17.
Tool-carrier stop. D. H. Montgomery. 2,656,753, Oct. 27.
Tool case and sawhorse, Combination. R. B. Fray. 2,663,338, Dec. 22.
Tool construction, Hand. L. A. Pazandak. 2,628,133, Feb. 10.
Tool controlling fluid valve. C. Johnson. 2,624,340, Jan. 6.
Tool dresser, Pneumatic. R. A. Shilson. 2,631,479, Mar. 17.
Tool drive, Machine. W. W. Potter and A. J. Fuller. 2,658,404, Nov. 10.
Tool driver, Spiral. R. Corella. 2,648,364, Aug. 11.
Tool feed control. A. F. Jelinek and W. E. Gross. 2,629,468, Feb. 24.
Tool feed, Machine. F. M. Tomlinson. 2,639,736, May 26.
Tool feeding device. F. C. Biggert, Jr. 2,632,332, Mar. 24.
Tool for adjusting orthodontia appliances. W. H. Grinnell. 2,643,908, June 30.
Tool for alternative direct and step-by-step operation, Portable hand. C. H. Klein and T. M. Porter. 2,643,564, June 30.
Tool for applying sheet metal fasteners to studs. G. A. Tinnerman and L. H. Flora. 2,637,230, May 5.
Tool for applying wire hose clamps and making other wire connections. J. G. Truesdell. 2,653,498, Sept. 29.
Tool for assembling and disassembling electrical connectors. J. C. Bailey. 2,659,965, Nov. 24.
Tool for assembly of pre-engraved projectiles with cartridge cases. F. R. Simpson. 2,659,262, Nov. 17.
Tool for assembly of watch parts, Jewel setting. O. E. Miller. 2,663,207, Dec. 22.
Tool for belt loading preengraved projectiles with cartridge cases. F. R. Simpson. 2,640,387, June 2.
Tool for breaking concrete and the like. V. Neumand. 2,629,588, Feb. 24.
Tool for casing protectors, Installation. J. F. Medearis. 2,646,249, July 21.
Tool for changing fluorescent lamp tubes. C. H. Ziese. 2,658,786-7, Nov. 10.
Tool for cleaning waste pipes. W. J. Collison. 2,651,067, Sept. 8.
Tool for closing and opening containers of the metal drum or barrel type. W. Lockhart. 2,628,811, Feb. 17.
Tool for crimping ferrules. J. C. Macy. 2,639,754, May 26.
Tool for cutting metal strap. W. E. Northcutt. 2,648,901, Aug. 18.
Tool for cutting sheet metal, Cutting. T. B. Johnson. 2,642,658, June 23.
Tool for dressing poultry, Cutting. S. J. Ograbisz. 2,658,235, Nov. 10.
Tool for drill pipe protectors, Applicator. J. E. Hall, Sr. 2,633,632, Apr. 7.
Tool for effecting solderless connections between a wire and a terminal. F. Reck. 2,649,121, Aug. 18.
Tool for external cylindrical surfaces, Honing. J. E. Kline. 2,655,771, Oct. 20.
Tool for eye-screws, Driving. J. H. Alliano. 2,642,105, June 16.
Tool for finishing tube ends. H. J. Finch. 2,645,000, July 14.
Tool for forming loops in wire leaders. C. E. Drayer. 2,631,617, Mar. 17.
Tool for gear shaping, Cutting. W. S. Praeg. 2,644,223, July 7.
Tool for girdling trees, Forestry. A. F. Grissett. 2,655,763, Oct. 20.
Tool for gripping fish and other objects. J. J. Campbell. 2,626,178, Jan. 20.
Tool for handling packages of yarn. S. B. Roberts and B. C. Gibbs. 2,625,422, Jan. 13.
Tool for homogenizing machine valves, Grinding. J. J. Flynn. 2,631,416, Mar. 17.
Tool for hydraulically displacing well materials. W. A. Maxwell and J. A. Engstrand. 2,626,177, Jan. 20.
Tool for impinging liquid against inner walls of chambers. P. G. Carpenter. 2,657,753, Nov. 3.
Tool for injecting sealing compound. R. M. and R. F. Perry. 2,631,563, Mar. 17.
Tool for locating strike plates, Marking. F. J. Russell. 2,638,682, May 19.
Tool for making a circumferential bead or swage of predetermined size in metal pipes. W. R. Champion. 2,657,733, Nov. 3.
Tool for making hypodermic injections. L. R. McGregor. 2,627,269, Feb. 3.
Tool for making joints in lead pipe. J. Lake, Jr. 2,649,127, Aug. 18.
Tool for making wrapped wire connections, Motor-driven hand. R. F. Mallina. 2,649,122, Aug. 18.
Tool for maximum indicators, Magnetic resetting. P. J. Hatch. 2,630,778, Mar. 10.
Tool for meat tenderizing machines, Cleaning. C. B. Robbins. 2,633,594, Apr. 7.
Tool for metal containers, Closing. J. J. Kojan. 2,634,094, Apr. 7.

Tool for opening and venting in one operation, Can top piercing. R. Robinson. 2,663,076, Dec. 22.
Tool for operating bone sets, bone chisels, and bone nail drivers, Vibratory. E. J. Haboush. 2,655,921, Oct. 20.
Tool for pneumatic tires, Dislodging. S. C. Caldwell. 2,640,528, June 2.
Tool for reclaiming broken drill parts, etc., from wells, Hydraulically actuated fishing. S. R. Knapp. 2,652,119, Sept. 15.
Tool for reclaiming broken drill parts, etc., from wells, Hydraulically actuated fishing. S. R. Knapp. 2,659,441, Nov. 17.
Tool for removing address-o-graph type strips. G. W. Schaefer. 2,663,250, Dec. 22.
Tool for removing can lids, Pry type. L. A. Aue and A. H. Boylan. 2,633,041, Mar. 31.
Tool for removing rivets and burrs. L. J. Veilleux. 2,629,442, Feb. 24.
Tool for replacing bottle caps and recrimping the caps in an airtight seal. H. H. Sander. 2,641,397, June 9.
Tool for reshaping deformed automobile bodies, Spreading. J. W. Geddes. 2,643,562, June 30.
Tool for self-tapping inserts, Driver. F. W. Braendel. 2,641,948, June 16.
Tool for shaving down local protuberances. J. Plester. 2,625,860, Jan. 20.
Tool for snap ties, Inserting. G. Erbe. 2,646,703, July 28.
Tool for straightening sheet metal such as in vehicle bodies and the like. W. J. Palmer. 2,646,706, July 28.
Tool for suction cleaners, Cleaning. H. B. White. 2,632,914, Mar. 31.
Tool for the application of seals. H. Nierhaus. 2,630,568, Mar. 10.
Tool for the rotor or rotary cultivating machines, Earth working. A. C. Howard. 2,663,241, Dec. 22.
Tool for upsetting hollow rivets, Hand-powered. H. E. Wilt. 2,641,378, June 9.
Tool for upsetting internally threaded rivets. H. E. Wilt. 2,643,019, June 23.
Tool for walls of cylindrical finger-gripping holes of bowling balls, Roughening. F. W. Berghorn. 2,640,518, June 2.
Tool for well drilling, Key seat. K. R. Stohn. 2,650,798, Sept. 1.
Tool for wells, Fishing. R. Donnell and J. R. Jennings. 2,663,370, Dec. 22.
Tool for woodworking, Sawing, cutting, and rasping. G. Mannes. 2,652,075, Sept. 15.
Tool handle. J. J. Shore. 2,653,029, Sept. 22.
Tool handle connection. M. Z. Andrews. 2,658,804, Nov. 10.
Tool handle connection. L. Rubenstein. 2,653,060, Sept. 22.
Tool having an air pressure actuated nozzle area varying means, Suction cleaning. D. G. Smellie. 2,658,229, Nov. 10.
Tool having handle movable at right angles and dovetailed lock. O. W. Dawson. 2,635,660, Apr. 21.
Tool having oppositely rotating toothed rollers, Bark-removing. R. H. Grant. 2,652,868, Sept. 22.
Toolhead, Flange bending. F. F. George, Jr. 2,637,292, May 5.
Toolholder. W. Bader. 2,624,103, Jan. 6.
Toolholder. C. Belsky. 2,632,244, Mar. 24.
Toolholder. T. J. Brown. 2,628,415, Feb. 17.
Toolholder. A. E. Chilcott and W. F. Grier. 2,644,224, July 7.
Toolholder. H. C. Clatfelter. 2,634,646, Apr. 14.
Toolholder. P. Doerseln. 2,659,962, Nov. 24.
Toolholder. H. Hagmeister. 2,652,749, Sept. 22.
Toolholder. W. H. Jones. 2,626,812, Jan. 27.
Toolholder. W. L. Kennicott. 2,641,049, June 9.
Toolholder. N. R. Longe. 2,645,844, July 21.
Toolholder. O. C. Severson. 2,659,963, Nov. 24.
Toolholder. S. A. Sternbergh and C. S. Knabb. 2,649,647, Aug. 25.
Toolholder for grinding purposes. V. S. Roach. 2,627,147, Feb. 3.
Toolholder for tank type vacuum cleaners. G. R. Fadner. 2,649,606, Aug. 25.
Tool holder, particularly for sheet-metal working machines. A. I. K. Slettengren. 2,658,574, Nov. 10.
Tool holding collet for boring bar assemblies. R. W. Boyd, Jr. 2,657,066, Oct. 27.
Tool joint. E. G. Boice. 2,626,190, Jan. 20.
Tool joint lubricator. H. F. Griffin and M. C. Wright. 2,642,034, June 16.
Tool joint-pipe connection. C. L. Griffin. 2,636,753, Apr. 28.
Tool kit. G. A. Timmons. 2,656,869, Oct. 27.
Tool kit, Automobile. F. M. McLaughlin. 2,649,101, Aug. 18.
Tool mounting. W. G. Charley. 2,655,088, Oct. 13.
Tool mounting and making, Cutting. J. F. Romans. 2,626,532, Jan. 27.
Tool mounting means, Floating. D. V. Stellin. 2,643,142, June 23.
Tool of the screw machine type, Machine. J. H. Brodhun. 2,657,453, Nov. 3.
Tool operating machine having apparatus for positioning work in a plurality of positions. R. V. Halvorsen, W. F. Krause, and R. J. Polivka. 2,655,059, Oct. 13.
Tool protecting cover. C. U. Carlson. 2,636,633, Apr. 28.
Tool rack. A. E. Paluck. 2,639,815, May 26.
Tool rotator for reciprocating hammers. A. W. Richards and E. J. Osterhus. 2,635,854, Apr. 21.
Tool slide arrangement. R. Kurzweil. 2,656,752, Oct. 27.
Tool such as boring and milling, Machine. C. W. Berthiez. 2,639,644, May 26.
Tool support having positive latch means, Rotatable. R. A. Mott. 2,653,634, Sept. 29.
Tool supporting arm for radial saws. C. P. Gesner. 2,626,638, Jan. 27
Tool supporting structure, Hydraulic. J. G. Lindeman. Re. 23,726, Oct. 20.
Tool trimming device. P. M. Hall. 2,638,817, May 19.
Tool with a rocking pressure member, Tube bending hand. M. Tomarin. 2,654,279, Oct. 6.
Tool with adjustable brush, Vacuum cleaner. G. M. Kelly. 2,635,279, Apr. 21.
Tool with automatic control valve system, Power-operated. H. P. Dupre. 2,649,076, Aug. 18.
Tool with clamping means, External chain type pipe cutting. J. B. Gill and R. V. Pagendarm. 2,629,925, Mar. 3.
Tool with diametrically and axially opposed pressure elements, Pivoted tire bead loosening. R. A. Stubler. 2,628,669, Feb. 17.
Tool with extension spaced from head. S. Eliot. 2,627,078, Feb. 3.
Tool with gauge, Honing. A. A. Muehling. 2,631,414, Mar. 17.
Tool with grooved nose elements, Spreader. R. L. Redmond. 2,650,735, Sept. 1.
Tool with improved valve actuating means, Pressure fluid actuated. E. H. Shaff. 2,627,248, Feb. 3.
Tool with liquid-spring actuated ram, Machine. P. H. Taylor. 2,659,348, Nov. 17.
Tool with liquid spring actuated ram, Machine. R. F. Zumwalt. 2,660,984, Dec. 1.
Tool with longitudinal delivering means, Rotary impact. L. B. Halverson. 2,633,042, Mar. 31.
Tool with portable vertical-shaft motor, Power-driven table. E. E. Grabinski. 2,652,863, Sept. 22.
Tool with pressure fluid control feed, Pressure fluid operated. E. H. Shaff. 2,657,595, Nov. 3.
Tool with reversible jaws, Compressing. J. Rogoff. 2,635,494, Apr. 21.
Tool with variable drive, Compound woodworking. L. McGihon. 2,661,037, Dec. 1.
Tooth arrangement for screw type comminuting devices. C. Börner. 2,656,122, Oct. 20.
Toothbrush. L. R. Bressler. 2,631,320, Mar. 17.
Toothbrush. M. Zimmerman. 2,651,070, Sept. 8.
Toothbrush and dentifrice appliance, Multipurpose pocket-type. A. D. Velodota. 2,640,488, June 2.
Toothbrush and gum massager, Combined. V. Torino. 2,653,598, Sept. 29.
Toothbrush and paste dispenser, Combined. T. M. Dendy. 2,630,812, Mar. 10.
Toothbrush and tongue scraper, Conformable. K. Seko. 2,651,068, Sept. 8.
Toothbrush and toothpaste kit. A. J. Alboreo and M. W. Pratt. 2,662,535, Dec. 15.
Toothbrush cabinet. F. C. Sprinkle. 2,642,331, June 16.
Toothbrush case. A. L. Shook. 2,652,064, Sept. 15.
Toothbrush construction. M. H. Cohen. 2,637,870, May 12.
Toothbrush construction, Combined. A. Den Uyl. 2,629,122, Feb. 24.
Toothbrush cover. V. P. Simmons. 2,655,968, Oct. 20.
Toothbrush, Folding. H. E. Carlson. 2,657,412, Nov. 3.
Toothbrush, Fountain. T. T. Aschenbach. 2,642,606, June 23.
Toothbrush, Fountain. F. H. Borsini. 2,640,215, June 2.
Toothbrush guard. W. G. Robey. 2,662,238, Dec. 15.
Toothbrush holder. N. W. Knowles. 2,626,199, Jan. 20.
Toothbrush, Mechanical. F. M. Cockriel. 2,628,377, Feb. 17.
Toothbrush, Motor-driven. C. B. Smithson, Jr. 2,648,787, Aug. 11.
Toothbrush, Oscillating. S. Yusko. 2,660,745, Dec. 1.
Toothbrush package. E. M. Hallahan. 2,649,959, Aug. 25.
Toothbrush, Pressure actuated fountain. L. F. Perwas. 2,631,762, Mar. 17.
Toothbrush, Rotary. D. P. Grover. 2,662,239, Dec. 15.
Toothbrush with a flexible head. L. R. Bressler. 2,650,383, Sept. 1.
Toothbrush with lip guard, Multiple rotary. D. P. Grover. 2,655,674, Oct. 20.
Toothbrush with lip guard, Power-driven. D. P. Grover. 2,655,675, Oct. 20.
Toothbrush with lip guard, Rotary. D. P. Grover. 2,644,973, July 14.
Toothbrush with lip guard, Rotary. D. P. Grover. 2,655,676, Oct. 20.
Toothbrush with oscillating head. B. Cyser. 2,625,697 Jan. 20.
Tooth facing and backing therefor. A. Vecchiotti. 2,659,971, Nov. 24.
Tooth file, Removable. B. Sakren. 2,637,097, May 5.
Tooth form for flexible couplings. J. C. Smith. 2,638,011, May 12.

Tooth means for side-delivery rake. A. R. Redrow. 2,641,101, June 9.
Tooth paste dispenser. A. Wekerle. 2,637,468, May 5.
Tooth powder dispenser. A. Wekerle. 2,626,084, Jan. 20.
Tooth structure for synchronizers, Interengaging. C. M. Perkins. 2,627,956, Feb. 10.
Top. E. W. Frangos. 2,645,881, July 21.
Top and coupling for barrels. G. D. Flaith and J. E. Smith, Jr. 2,638,914, May 19.
Top-capping heavy-duty tires. E. A. Glynn. 2,625,199, Jan. 13.
Top construction for desks and the like, Covered. N. Y. Andersen. 2,635,935, Apr. 21.
Top display. R. J. Leander. 2,627,683, Feb. 10.
Top guide for sliding panel construction. D. D. Foss. 2,650,387, Sept. 1.
Top, Hot. W. F. Milburn. 2,629,152, Feb. 24.
Top lift attachment. E. H. Hoffmann. 2,656,621, Oct. 27.
Top roll. E. D. Meadows and R. K. Whitehead. 2,636,221, Apr. 28.
Top roll for drafting mechanism. R. K. Butler. 2,635,300, Apr. 21.
Top shield for automobiles. G. A. Lyon. 2,628,123, Feb. 10.
Top shield for automobiles. G. A. Lyon. 2,643,910, June 30.
Top shield for vehicles. G. A. Lyon. 2,643,911–12, June 30.
Top, Spinning. N. J. Saunders. 2,639,921, May 26.
Top, Spring actuated. F. H. Gustine. 2,657,498, Nov. 3.
Top, Tethered aerial. N. J. Stivers and T. H. Ennis. 2,629,202, Feb. 24.
Top, Tethered helicopter. E. W. Fishburne. 2,642,698, June 23.
Top, Variable-speed. C. J. Green. 2,630,653, Mar. 10.
Top wig for horses. W. D. Laningham. 2,624,996, Jan. 13.
Top with bead chain swivel, Spinning. G. D. Shockey. 2,639,546, May 26.
Top with edge binder, Sectional. H. G. Knuth. 2,661,990, Dec. 8.
Topper and loader, Horizontal. E. H. Brockman, W. B. Allison, M. M. Maxwell, K. S. Ovregaard, and C. B. Stevenson. 2,634,570, Apr. 14.
Torch. W. A. Sparks. 2,638,972, May 19.
Torch cutting machine. T. F. Murr. 2,631,028, Mar. 10.
Torch for cutting stainless steel. A. F. Chouinard and J. B. La Pota. 2,657,650, Nov. 3.
Torch having wick-fed retort, Wick-type liquid fuel hand. H. Sherman, M. A. Silverman, and H. Liberman. 2,628,671, Feb. 17.
Torch, Welding and cutting. C. R. Richter. 2,645,277, July 14.
Toric fluid displacement chamber and packing therefor. E. C. Myers. 2,657,538, Nov. 3.
Torpedo exploder. J. M. Stockard. 2,645,180, July 14.
Torpedo launching device. S. C. Miller. 2,625,899, Jan. 20.
Torpedo with rolling hull. C. C. Wheeler. 2,654,334, Oct. 6.
Torque and speed responsive fluid clutch. H. F. Hobbs. 2,646,150, July 21.
Torque balancing adjuster for electrical meters. R. M. Leippe. 2,626,297, Jan. 20.
Torque compensator. R. G. Ballard and J. E. Lundberg. 2,662,410, Dec. 15.
Torque compensator, Automatic. H. T. Jensen. 2,644,534, July 7.
Torque converter. L. Berner and A. L. Jett. 2,628,566, Feb. 17.
Torque converter. R. H. Brown. 2,658,594, Nov. 10.
Torque converter. W. A. Chamberlain and E. H. G. Aram. 2,645,130, July 14.
Torque converter. F. M. M. B. Salomon. 2,636,395, Apr. 28.
Torque converter. E. J. Thurber. 2,629,266, Feb. 24.
Torque converter fluid. S. K. Talley and F. J. Watson. 2,626,242, Jan. 20.
Torque converter for mixing drums. R. J. Kacena. 2,639,903, May 26.
Torque converter for varying speed ratios, Rotary turbine type. O. W. Roosevelt. 2,651,920, Sept. 15.
Torque converter, Rotary hydraulic. E. A. Stalker. 2,663,996, Dec. 29.
Torque converter, Rotary hydrokinetic. E. E. Wemp. 2,630,682, Mar. 10.
Torque converter, Torus chamber type hydrokinetic. R. T. Burnett. 2,634,584, Apr. 14.
Torque converter, Turbine type hydraulic. W. H. Fengler. 2,627,165, Feb. 3.
Torque converter with dynamic braking, Rotary hydraulic. O. K. Kelley and W. S. Wolfram. 2,651,918, Sept. 15.
Torque governor for engine making use of a power supply that is subject to great variation. L. Romani. 2,653,250, Sept. 22.
Torque indicating and shock absorber device. R. R. Crookston and J. S. Waters. 2,651,197, Sept. 8.
Torque indicating power operated tool. H. O. Gummere and E. Linsker. 2,663,209, Dec. 22.
Torque indicator for torque wrenches. E. T. Able. 2,651,935, Sept. 15.
Torque limiting drive for multiple drill and tapping heads. T. G. Linderme. 2,646,149, July 21.
Torquemeter and horsepower indicator, Electronic. L. E. Ellison and R. R. Proctor. 2,640,352, June 2.
Torquemeter based on warping stress measurement. B. J. Aleck. 2,645,119, July 14.
Torque rod assembly for spring suspension. J. C. Ward. 2,653,035, Sept. 22.
Torque testing device. C. B. Emery. 2,648,219, Aug. 11.
Torque testing device. A. E. Gentry and R. R. Theller. 2,635,453, Apr. 21.
Torque transformers, Automatic. J. F. G. M. L. Charpentier. 2,653,489, Sept. 29.
Torque transmitting apparatus. H. L. Miller. 2,630,019, Mar. 3.
Torque transmitting connection. A. F. Myers. 2,640,336, June 2.
Torque transmitting device. E. P. Peregrine. 2,659,221, Nov. 17.
Torque transmitting device employing extensible resilient clutch elements. H. T. Kraft. 2,637,345, May 5.
Torque wrench. C. W. Hart. 2,628,497, Feb. 17.
Torsiograph and torsiograph calibration device, Combined. L. F. Hope. 2,634,604, Apr. 14.
Torsion bar mounting. C. R. Paton. 2,631,844, Mar. 17.
Torsion shaft in flying shears, Adjustable. J. E. Erhardt, Jr., and J. S. Duffy. 2,641,937, June 16.
Torsion spring supported pedestal seat mounting. H. W. Bostrom, F. A. Grabarczyk, and F. E. Svanoe. 2,641,309, June 9.
Torsion spring suspension. J. A. Kany. 2,624,568, Jan. 6.
Total taking means for typewriter-computers. O. J. Sundstrand. 2,625,324, Jan. 13.
Total treatment of copper-containing iron pyrites. S. A. Aannerud. 2,653,905, Sept. 29.
Totalizer control mechanism for multiple totalizer adding-subtracting machines. H. L. Lambert. 2,654,537, Oct. 6.
Totalizer, Electronic coin. J. F. Morrison. 2,652,136, Sept. 15.
Totalizer engaging means. M. A. Goodbar, E. H. Placke, and C. G. Falkner. 2,661,151, Dec. 1.
Totalizer function selection and symbol printing mechanism. A. H. Sharpe. 2,643,818, June 30.
Totalizing apparatus. J. C. Thoresen. 2,659,531, Nov. 17.
Totalizing device provided with adjustable double-acting fulcrums. A. A. Markson. 2,631,599, Mar. 17.
Tote box. H. W. Bartholomew. 2,634,020, Apr. 7.
Tow bar. P. J. Schlairet. 2,628,107, Feb. 10.
Tow mechanism, Car. C. E. Morgan. 2,661,106, Dec. 1.
Tow target hit indicator. R. N. Gangel. 2,628,836, Feb. 17.
Towing device, Vehicle. R. C. Johnson. 2,659,609, Nov. 17.
Towing device with steering attachment. R. S. Cox. 2,646,290, July 21.
Towel and beach bag, Combination. A. S. Anderson. 2,626,648, Jan. 27.
Towel and similar article hanger. C. H. Wold. 2,656,043, Oct. 20.
Towel bar. W. L. Spangler. 2,637,446, May 5.
Towel dispensing and laundering apparatus. W. L. Wells. 2,655,022, Oct. 13.
Towel grip. I. J. London. 2,645,351, July 14.
Towel lock rack. S. Tritt. 2,647,641, Aug. 4.
Towel or lady's band, Sanitary. J. K. Morhard. 2,644,454, July 7.
Towel rack. A. J. Roger. 2,664,210, Dec. 29.
Tower and emptying same, Pulp storage. J. C. F. C. Richter. 2,645,378, July 14.
Tower jacking structure drive. E. A. Campbell. 2,656,149, Oct. 20.
Tower packing. M. Leva. 2,639,909, May 26.
Tower packing. R. C. Scofield and J. Krahé. 2,630,305, Mar. 3.
Tower, Sorbing. J. L. Maher. 2,626,675, Jan. 27.
Tower vehicle. J. Smid, M. Smith, and F. A. Leskovec. 2,647,022, July 28.
Toy. R. T. Nieset. 2,647,222, July 28.
Toy. A. L. Valpey. 2,651,851, Sept. 15.
Toy accordion construction. N. T. Baldanza. 2,635,500, Apr. 21.
Toy, Airplane. J. H. Dawson. 2,658,753, Nov. 10.
Toy airplane. J. R. Harris. 2,637,139, May 5.
Toy airplane and track. J. Cuervo. 2,646,645, July 28.
Toy airplane, Bomb dropping. G. C. Kelly. 2,643,126, June 23.
Toy airplane control, Tethered. L. Hayes. 2,658,305, Nov. 10.
Toy, Ambulatory animal. W. A. Brodrib. 2,663,970, Dec. 29.
Toy animal, Eating. B. L. Henry. 2,631,408, Mar. 17.
Toy animal figure. C. F. Candee. 2,636,317, Apr. 28.
Toy, Animated jumping. E. F. Wideman. 2,656,646, Oct. 27.
Toy, Aquatic figure. T. C. Martin. 2,650,453, Sept. 1.
Toy, Articulated wheeled pull. W. B. Only, Jr. 2,661,573, Dec. 8.
Toy, Ball and runway. M. P. Marong. 2,644,270, July 7.
Toy ball, Transparent hollow. M. C. Abel. Re. 23,612, Jan. 13.
Toy balloon. L. W. Brown. 2,635,385, Apr. 21.
Toy, Balloon-inflating push. J. J. Morsch. 2,636,315, Apr. 28.
Toy balloon novelty. R. M. Anderson. 2,635,387, Apr. 21.
Toy balloon, Self-sealing. J. Steen and E. P. Coskey. 2,625,770, Jan. 20.

Toy balloons, Manufacture of. L. Landau. 2,628,387, Feb. 17.
Toy bank. E. B. Bigué. 2,650,686, Sept. 1.
Toy bank. T. C. Martin. 2,650,452, Sept. 1.
Toy blocks, Snap-fastener. R. F. Andre. 2,649,803, Aug. 25.
Toy boat. R. Ramsay. 2,661,571, Dec. 8.
Toy boat, Jet-propelled. D. G. Belding. 2,624,975, Jan. 13.
Toy bomb. C. E. Buxton. 2,651,142, Sept. 8.
Toy bomb and mechanism for feeding explosive caps therethrough. R. A. Felburg. 2,633,671, Apr. 7.
Toy bomb dropping airplane. W. J. Shapiro. 2,634,127, Apr. 7.
Toy bomber. J. V. Kellogg. 2,663,969, Dec. 29.
Toy bomber and bomb carrier and release mechanism. J. J. Reus. 2,657,930, Nov. 3.
Toy, Bubble-blowing and sound-producing. F. H. Magnus. 2,625,768, Jan. 20.
Toy, Bubble-producing. C. S. Raizen. 2,628,449, Feb. 17.
Toy cannon. E. S. Leach. 2,659,356, Nov. 17.
Toy cap. J. H. Lemeison. 2,654,973, Oct. 13.
Toy cap pistol and cartridge. T. W. Nichols. 2,655,755, Oct. 20.
Toy car loader. J. L. Bonanno and A. D. Gash, Jr. 2,658,602, Nov. 10.
Toy car-truck rail aligner. N. Saunders. 2,647,468, Aug. 4.
Toy catapulting gun. C. G. Hall. 2,663,291, Dec. 22.
Toy, Child's pounding. H. E. Miller. 2,639,542, May 26.
Toy, Climbing. W. J. Holt, Jr. 2,658,306, Nov. 10.
Toy clock. A. M. Zalkind. 2,631,386, Mar. 17.
Toy, Cord impelled rotatable disk. D. A. Baker. 2,624,977, Jan. 13.
Toy dart, Detonating. J. S. Kahn. 2,637,142, May 5.
Toy, Denture simulating. I. H. Fishlove. 2,662,334, Dec. 15.
Toy derrick. H. B. Boone. 2,630,925, Mar. 10.
Toy device for teaching multiplication tables. C. S. and S. M. Bolognino. 2,624,126, Jan. 6.
Toy doll bedstead. M. H. Metzger. 2,628,372, Feb. 17.
Toy drill. D. W. Wood. 2,627,698, Feb. 10.
Toy drinking animal with capillary tube. J. F. Moeller. 2,648,162, Aug. 11.
Toy dump truck. R. N. Carver and J. J. Dobkowski. 2,634,546, Apr. 14.
Toy, Educational. F. R. Composto. 2,656,617, Oct. 27.
Toy, Educational. E. F. Grubola. 2,659,165, Nov. 17.
Toy, Educational. N. W. McCurdy. 2,663,096, Dec. 22.
Toy, Educational. I. P. Pescatori. 2,656,618, Oct. 27.
Toy electric railroad. J. L. Bonanno. 2,661,852, Dec. 8.
Toy electric railway car. R. L. F. McDonald. 2,632,284, Mar. 24.
Toy engine kit. D. W. Coffin. 2,639,544, May 26.
Toy fence. J. P. Rhome and L. D. Curtiss. 2,628,823, Feb. 17.
Toy fence and elements. J. Manoli. 2,637,934, May 12.
Toy figure manipulating means. S. C. Boyce. 2,624,155, Jan. 6.
Toy figure, Sectional. G. H. Calverley. 2,662,335, Dec. 15.
Toy figure with extensible member, Hollow. D. G. Rempel. 2,631,407, Mar. 17.
Toy firearm. J. H. Weimer and H. J. Rockey, Sr. 2,633,658, Apr. 7.
Toy fire boat. A. Goldfarb. 2,628,451, Feb. 17.
Toy, Flapping wing. W. E. Polk. 2,637,935, May 12.
Toy, Flapping wing. W. E. Polk. 2,637,937–9, May 12.
Toy, Flocnt material operated. B. D. Fuerst. 2,633,663, Apr. 7.
Toy, Flying feather. O. A. Pierce. 2,663,119, Dec. 22.
Toy, Flying saucer. M. A. C. Johnson and J. Toth. 2,640,296, June 2.
Toy flying saucer. C. H. Van Hartesveldt. 2,659,178, Nov. 17.
Toy glider and carrier. P. B. Johnson. 2,632,282, Mar. 24.
Toy glider and launching platform. W. J. Shapiro. 2,644,271, July 7.
Toy gun. W. J. Watkins. 2,642,057, June 16.
Toy gun and ammunition, Smoke-simulating. J. Abler. 2,639,543, May 26.
Toy gun, Paper bursting. A. F. Langos. 2,641,868, June 16.
Toy gun with means for propelling toy bullets. I. Rosenbloom. 2,625,927, Jan. 20.
Toy, Hammer. M. I. Glass. 2,646,646, July 28.
Toy hand organ. C. Feltman. 2,640,383, June 2.
Toy, Helicopter. N. B. Ruczynski. 2,645,055, July 14.
Toy holder and guard means. H. Hall. 2,628,666, Feb. 17.
Toy horse. W. J. Becker. 2,659,600, Nov. 17.
Toy horse. M. S. Conley. 2,657,053, Oct. 27.
Toy, Inflatable sound producing animal. I. Kwasnik and L. Endzweig. 2,633,665, Apr. 7.
Toy, Jet-propelled. D. C. Dozier. 2,643,882, June 30.
Toy kangaroo. M. I. Glass, J. W. Ehemann, and M. R. Kraus. 2,651,881, Sept. 15.
Toy lighthouse. A. A. Martinez. 2,636,314, Apr. 28.
Toy locomotive. J. L. Bonanno and R. E. Beger. 2,659,317, Nov. 17.
Toy locomotive. J. F. Gowland. 2,641,865, June 16.
Toy, Magnetic. D. Donovan. 2,632,976, Mar. 31.
Toy, Magnetic. G. M. Kovac. 2,651,140, Sept. 8.
Toy, Magnetic dart-projecting. H. Zimmerman. 2,627,260, Feb. 3.
Toy, Magnetic descending. V. F. Wigal. 2,624,151, Jan. 6.
Toy, Magnetic wand actuated. J. C. and H. W. Wilson. 2,648,157, Aug. 11.
Toy, Marionette. W. B. Baird. 2,662,338, Dec. 15.
Toy merchandise car. R. G. Smith. 2,634,551, Apr. 14.
Toy merry-go-round. L. L. McDonald. 2,657,928, Nov. 3.
Toy, Motorized wheeled figure. P. H. Herrick. 2,625,771, Jan. 20.
Toy, Moving figure wheeled. H. L. Brown. 2,629,203, Feb. 24.
Toy, Musical. D. De Nisco. 2,637,141, May 5.
Toy, Musical. H. Zimmerman. 2,625,069, Jan. 13.
Toy or rattle, Infant's marble. A. M. Zalkind. 2,662,336, Dec. 15.
Toy, Ornamental sounding. J. B. Tigrett. 2,638,711, May 19.
Toy paper bursting six-shooter. O. E. Langos. 2,634,548, Apr. 14.
Toy, Parachute. O. G. Poen. 2,630,654, Mar. 10.
Toy pistol. R. B. Dickson. 2,641,242, June 9.
Toy pistol. G. I. Griffith. 2,652,822, Sept. 22.
Toy pistol. W. F. Laughlin. 2,631,578, Mar. 17.
Toy projector and catcher. S. Abagoff. 2,636,738, Apr. 28.
Toy railway auxiliary. M. R. Hall. 2,639,548, May 26.
Toy rattle. H. B. Toombs and G. Amberge. 2,626,481, Jan. 27.
Toy, Reversible roundabout. E. Matrejek. 2,628,094, Feb. 10.
Toy, Rockable wheeled figure. B. Goldfarb. 2,656,645, Oct. 27.
Toy rocket. V. R. Gersmehl, Sr. 2,642,289, June 16.
Toy, Rolling disk. C. M. Weeks and E. F. Saxman, Jr. 2,624,157, Jan. 6.
Toy, Rotary action pull. W. F. Dissell. 2,632,283, Mar. 24.
Toy roundabout. E. Fields. 2,628,095, Feb. 10.
Toy, Self-propelled floating. A. de Salvo. 2,645,883, July 21.
Toy, Self-righting and walking pull. K. O. Valasek. 2,632,977, Mar. 31.
Toy simulating actions of a fowl. M. Levine. 2,633,666, Apr. 7.
Toy siren and chromatic gun. I. Rotfeld. 2,648,159, Aug. 11.
Toy, Sleeper. N. I. Broyles. 2,647,195, July 28.
Toy smoke-producing apparatus. F. Pettit. 2,658,303, Nov. 10.
Toy, Somersaulting figure. R. C. Olson. 2,634,547, Apr. 14.
Toy, Sounding and illuminated figured infant's. E. A. Schaefer. 2,633,668, Apr. 7.
Toy sounding flash gun. L. H. Strayer. 2,660,000, Nov. 24.
Toy, Sounding whirling disk. H. S. Burkey. 2,662,337, Dec. 15.
Toy, Spring driven wheeled. R. J. Lohr and R. N. Carver. 2,629,967, Mar. 3.
Toy, Steered trundle. A. L. J. Zileri and M. Freudenstein. 2,647,343, Aug. 4.
Toy steering mechanism. D. D. Raze. 2,641,869, June 16.
Toy steering wheel and gearshift. L. Solomon. 2,662,341, Dec. 15
Toy suspension hobbyhorse. J. and N. Savella. 2,624,579, Jan. 6.
Toy telephone with music device. F. Loeffler and K. Wolwode. 2,634,647, Apr. 14.
Toy telephone with music device. D. Saks. 2,633,769, Apr. 7.
Toy theater. E. Belden. 2,634,544, Apr. 14.
Toy top. N. K. Masten. 2,631,405, Mar. 17.
Toy torpedo launcher. E. W. Koepnick. 2,627,853, Feb. 10.
Toy track game. E. Fields. 2,636,114, Apr. 21.
Toy trapeze, Magnetic. J. C. Young. 2,648,158, Aug. 11.
Toy truck, Steerable. J. W. Zimmer. 2,642,700, June 23.
Toy, Tubular construction. H. P. Hubbard. 2,625,769, Jan. 20.
Toy vehicle. H. Müller. 2,659,179, Nov. 17.
Toy vehicle and exerciser, Animal simulating. E. E. Lindenbein. 2,627,419, Feb. 3.
Toy vehicle and steering means therefor. T. H. Core. 2,651,882, Sept. 15.
Toy vehicle, including foot operated ratchet drive mechanism. J. B. Lassiter. 2,653,037, Sept. 22.
Toy vehicle with movable figure. H. Mangold. 2,645,056, July 14.
Toy vehicular system. J. M. Hoff. 2,637,140, May 5.
Toy, Walking figure. M. C. Mason. 2,638,709, May 19.
Toy, Walking figure. J. Villemejane. 2,641,864, June 16.
Toy, Walking horse. M. Seligman. 2,644,248, July 7.
Toy, Walking submersible. D. B. Wittry. 2,656,644, Oct. 27.
Toy whale, Mechanical. F. K. Nagel. 2,648,935, Aug. 18.
Toy, Wheel actuated display. A. J. Charles. 2,641,083, June 9.
Toy wheel and method of making. M. D. Walklet. 2,620,420, Feb. 24.
Toy, Wheeled. J. P. Gowland. 2,641,863, June 16.
Toy, Wheeled animated. F. P. Wambach. 2,631,406, Mar. 17.
Toy, Wheeled sounding. F. Plawner. 2,624,154, Jan. 6.
Toy with automatically steering cyclist, Wheeled. R. J. Lohr. 2,649,805, Aug. 25.

Toy with spinning element, Figure. M. A. Brosselt. 2,656,643, Oct. 27.
Toy with traveling figurette. W. R. Smith and G. R. Monaco. 2,660,001, Nov. 24.
Toy with vibrating strands, Flying. M. A. C. Johnson and J. Toth. 2,624,153, Jan. 6.
Trace identifier for optical oscillographs. H. T. Stevinson. 2,645,552, July 14.
Trace identifying device for recording oscillographs. T. J. Haviland. 2,635,034, Apr. 14.
Track and bracket. A. C. Loomis. 2,649,612, Aug. 25.
Track and drawer construction, Refrigerator. M. Rothchild. 2,649,351, Aug. 18.
Track-carried hatch cover. K. H. Stehr. 2,626,583, Jan. 27.
Track composed of rubber bonded to flexible metal bands, Endless. G. Bonmartini. 2,661,249, Dec. 1.
Track device for vehicles and the like. G. Bonmartini. 2,661,251, Dec. 1.
Track device, Gravity actuated spiral. L. E. Reed. 2,634,128, Apr. 7.
Track for toy vehicles. W. M. Hadaway. 2,633,087, Mar. 31.
Track for track-laying vehicles. L. M. Kubaugh. 2,647,023, July 28.
Track for vehicle toys, Molded. R. N. Carver. 2,647,693, Aug. 4.
Track for vehicles and the like, Pneumatic endless. G. Bonmartini. 2,661,250, Dec. 1.
Track game with single rail. E. Fields. 2,645,185, July 14.
Track shifting and adjusting device for magnetic sound recorders and reproducers. E. Keller. 2,652,259, Sept. 15.
Track spike with circumferentially extending deformable projection. C. E. Godfrey. 2,650,032, Aug. 25.
Track switch. A. J. McLeish. 2,641,690, June 9.
Track tilt control system for cranes. R. G. Le Tourneau. 2,631,736, Mar. 17.
Tracking and fire control system, Stabilized. C. G. Holschuh, E. B. Hammond, Jr., and W. T. White. 2,660,793, Dec. 1.
Tracking system between receiver and transmitter. M. Silver. 2,643,329, June 23.
Traction apparatus. B. Hill. 2,640,480, June 2.
Traction apparatus, Intermittent cervical. L. Yellin. 2,633,124, Mar. 31.
Traction apparatus (controlled), Intermittent cervical. L. Yellin. 2,633,125, Mar. 31.
Traction attachment for automobile wheels. C. A. Schroen. 2,640,522, June 2.
Traction belt, Pelvic. S. Varco. 2,638,091, May 12.
Traction chain. W. H. Devonshire. 2,663,346, Dec. 22.
Traction chain fastening device for dual vehicle wheels. J. F. Kane. 2,624,388, Jan. 6.
Traction device. W. P. Paulsen. 2,638,140, May 12.
Traction device. P. O. De Ragon. 2,625,441, Jan. 13.
Traction device. H. R. Richards. 2,647,551, Aug. 4.
Traction device. J. M. Westrate. 2,625,194, Jan. 13.
Traction device for pneumatic tires. J. La Rocca. 2,625,193, Jan. 13.
Traction device for vehicles. R. T. Cella. 2,653,642, Sept. 29.
Traction device, Head. W. E. Haskell. 2,658,506, Nov. 10.
Traction means for pneumatic tired wheels. W. H. Paske. 2,644,503, July 7.
Traction mechanism for cog roads. W. C. Cox. 2,652,785, Sept. 22.
Traction-motor control. B. J. Krings. 2,663,837, Dec. 22.
Traction-motor control. N. H. Willby. 2,663,835, Dec. 22.
Traction motor lubricator. R. J. Harkenrider. 2,640,742–4, June 2.
Traction wheel drive for automobiles. F. W. Wolf. 2,656,001, Oct. 20.
Tractor. G. W. Curtis. 2,634,663, Apr. 14.
Tractor. A. Mazzola. 2,655,871, Oct. 20.
Tractor and trailer brake system. O. M. Whitten. 2,652,904, Sept. 22.
Tractor attachment. H. C. Klinge. 2,630,231, Mar. 3.
Tractor attachment for cable or hydraulic tipple loaders. M. L. Vincent. 2,647,651, Aug. 4.
Tractor attachment for driving and pulling fence posts. F. F. Lindquist. 2,634,092, Apr. 7.
Tractor attached grub hoe. D. R. and M. E. Mohn. 2,656,777, Oct. 27.
Tractor body frame with supplementary power transmitting and dividing apparatus. H. A. Ferguson, R. C. Boyle, and E. Jedrzykowski. 2,654,255, Oct. 6.
Tractor borne planter attachment. H. V. Hansen and J. T. Murphy. 2,656,801, Oct. 27.
Tractor bumper. H. A. Ferrell. 2,646,303, July 21.
Tractor dirt handling attachment. L. T. McGee. 2,645,866, July 21.
Tractor ditch digging attachment. N. M. Gralenski. 2,651,859, Sept. 15.
Tractor drawbar and drive shaft bearing assembly. N. H. Preble and W. A. Goss. 2,640,711, June 2.
Tractor drawbar, connecting link, grease gun, and oil can carrying kit. E. F. Wick. 2,630,229, Mar. 3.
Tractor drawbar pounds pull tester, Hydraulic. C. Q. Hefner. 2,640,353, June 2.
Tractor drive with tire directly driven. L. J. Wubbe. 2,626,002, Jan. 20.
Tractor, Farm. H. L. Brock. 2,624,257, Jan. 6.
Tractor, Garden. J. J. Kantz, Jr., and O. J. Lindell. 2,657,621, Nov. 3.
Tractor, Garden. G. H. Pross. 2,632,518, Mar. 24.
Tractor guide, Row crop type. W. T. Coles and C. E. Wells. 2,625,868, Jan. 20.
Tractor hand brake. G. E. Arnio. 2,652,905, Sept. 22.
Tractor, High-clearance crawler. I. P. de la Llana. 2,651,378, Sept. 8.
Tractor hitch. L. G. Copeman. 2,627,423, Feb. 3.
Tractor hitch. A. G. Hupp. 2,660,271, Nov. 24.
Tractor hitch. L. E. Trees. 2,636,744, Apr. 28.
Tractor hydraulic system. C. H. Garmager. 2,657,534, Nov. 3.
Tractor implement. M. L. Aust. 2,649,039, Aug. 18.
Tractor implement hitch. E. V. Collins. 2,653,825, Sept. 29.
Tractor implement hitch, Flexible. E. W. Todd. 2,624,256, Jan. 6.
Tractor lift and hitch structure. J. W. and L. M. Cox. 2,656,776, Oct. 27.
Tractor link. F. D. Sawyer. 2,654,303, Oct. 6.
Tractor, Monowheel. M. J. Wooldridge and G. P. Carver. 2,649,162, Aug. 18.
Tractor mounted grab device for hay and the like. M. E. Burch. 2,652,939, Sept. 22.
Tractor-mounted implement. F. C. Warne. 2,655,854, Oct. 20.
Tractor mounted lister, Quick detachable. W. H. Silver and R. E. Cox. 2,626,549, Jan. 27.
Tractor mounted stalk shredding device. W. E. Hines. 2,656,662, Oct. 27.
Tractor mounted sweep rake. A. D. Stauffer. 2,656,663, Oct. 27.
Tractor mounting for agricultural implements. J. H. Seng. 2,658,438, Nov. 10.
Tractor mower, Front mounted. W. W. Hooley. 2,629,219, Feb. 24.
Tractor power lift with rocket-shaft and synchronized remote cylinder. R. D. Acton. 2,637,259, May 5.
Tractor power take-off. J. K. Minor. 2,633,926, Apr. 7.
Tractor, Power steered garden. W. G. Hardy and M. S. Burkholder. 2,626,671, Jan. 27.
Tractor safety control means. L. Glass and B. G. Purtle. 2,660,715, Nov. 24.
Tractor seat. R. W. Gundersen. 2,652,880, Sept. 22.
Tractor seat. E. P. Neher. 2,630,854, Mar. 10.
Tractor seat mounting. J. Bock. 2,641,308, June 9.
Tractor support for mowers. C. B. Richey. 2,637,966, May 12.
Tractor-trailer fifth wheel coupling mechanism. W. J. Geddert. 2,644,693, July 7.
Tractor transport box. R. Wiersching. 2,646,910, July 28.
Tractor, Two-wheeled. A. S. Leighton. 2,626,672, Jan. 27.
Tractor weight transfer device. G. E. Armington. 2,633,366, Mar. 31.
Tractor with six driven wheels. W. L. Brewer, Jr. 2,642,144, June 16.
Traffic control signal. H. H. Grooms. 2,663,279, Dec. 22.
Traffic control system. E. M. Deloraine and P. R. Adams. Re. 23,643, Apr. 14.
Traffic control system for railroads of the normally deenergized reversible coded track circuit type, including outlying track switch protection, Centralized. C. W. Fallor and C. B. Shields. 2,647,987, Aug. 4.
Traffic control system of the normally deenergized reversible coded track circuit type, Centralized. H. S. Young. 2,638,535, May 12.
Traffic control system of the coded reversible track circuit type, Centralized. I. F. Cadman and C. W. Fallor. 2,630,523, Mar. 3.
Traffic controlling apparatus, Railway. H. L. Bone. 2,631,228, Mar. 10.
Traffic controlling apparatus, Railway. H. A. Wallace. 2,656,456, Oct. 20.
Traffic controlling system for railroads, Centralized. G. J. Johanek and T. J. Judge. 2,651,711, Sept. 8.
Traffic controlling system for railroads, Centralized. H. C. Kendall. 2,629,088, Feb. 17.
Traffic controlling system for railroads having track obstruction detecting means, Centralized. T. J. Judge. 2,635,182, Apr. 14.
Traffic counter. G. R. Hall. 2,639,093, May 19.
Traffic directing device for garages, Automatic. P. H. Burn. 2,644,150, June 30.
Traffic light. M. Danoz. 2,642,563, June 16.
Traffic marker. C. K. Batterson. 2,635,513, Apr. 21.
Traffic signal. M. J. Downey. 2,656,815, Oct. 27.
Traffic signal. R. H. Givens, Jr., and C. G. Pruett. 2,628,679, Feb. 17.
Traffic signal. R. F. Broussard and C. A. Toce. 2,625,598, Jan. 13.
Traffic signaling system and apparatus. F. A. Pearson. 2,624,793, Jan. 6.
Traffic violation indicating system for motor vehicles. H. R. Carter. 2,640,979, June 2.
Traffic warning and directing signal. R. J. Peterson. 2,646,638, July 28.
Traffic warning signal. W. F. Ginsberg. 2,644,152, June 30.
Trailer and endgate control therefor, Dumping. C. W. Watson. 2,635,919, Apr. 21.

Trailer and wheel suspension therefor. G. A. Kendall. 2,635,897, Apr. 21.
Trailer attached jack. C. J. Wagner. 2,638,315, May 12.
Trailer automatic brake applying means. I. E. Jones and C. B. Reynolds. 2,625,243, Jan. 13.
Trailer, Automobile-carrying. L. M. Francis. 2,654,612, Oct. 6.
Trailer, Boat. E. P. Keaton. 2,650,699, Aug. 25.
Trailer, Boat. F. Linneman. 2,657,934, Nov. 3.
Trailer bumper and step, Combined rear. B. J. Coumerilh. 2,660,454, Nov. 24.
Trailer, Camp. H. Anderson. 2,656,213, Oct. 20.
Trailer caravan, Collapsible. E. T. Tuson. 2,646,309, July 21.
Trailer, Collapsible. H. C. Brumbaugh. 2,639,185, May 19.
Trailer, Collapsible. F. Guthoerl. 2,626,832, Jan. 27.
Trailer, Collapsible auto. F. F. Kors. 2,640,721, June 2.
Trailer, Convertible. G. C. Shinn. 2,663,573, Dec. 22.
Trailer device, Tandem. O. W. Smith. 2,643,890, June 30.
Trailer, Disk carrying. P. W. Browne and D. M. Piper. 2,657,938, Nov. 3.
Trailer, Expansible. J. Van Tassel. 2,636,773, Apr. 28.
Trailer for carrying general freight and automobiles. W. O. Bridge. 2,636,772, Apr. 28.
Trailer for hauling farm implements. H. W. Yerian. 2,625,372, Jan. 13.
Trailer hitch. C. W. Butler. 2,653,031, Sept. 22.
Trailer hitch. E. A. Cook. 2,635,891, Apr. 21.
Trailer hitch. H. D. Hume and J. D. Wheeler. 2,650,832, Sept. 1.
Trailer hitch. F. E. Kentz. 2,647,761, Aug. 4.
Trailer hitch. R. H. and D. E. Studebaker. 2,639,160, May 19.
Trailer hitch. A. J. Sturwold. 2,628,106, Feb. 10.
Trailer hitch and support. O. Johnson. 2,631,862, Mar. 17.
Trailer hitch, Auxiliary type safety. T. L. Frankfother. 2,650,101, Aug. 25.
Trailer hitch for hay balers. R. F. Heinje. 2,634,675, Apr. 14.
Trailer hitch structure. W. D. Mosley. 2,643,891, June 30.
Trailer hitch, Telescoping. H. R. Forney. 2,658,769, Nov. 10.
Trailer, Hydraulic elevating and transport. A. A. Timlin. 2,649,218, Aug. 18.
Trailer, Hydraulic lift. J. C. Falkenhagen. 2,648,546, Aug. 11.
Trailer, Knockdown type two-wheel. K. J. and A. J. Hersey. 2,649,307, Aug. 18.
Trailer landing gear. E. R. Fitch. 2,664,299, Dec. 29.
Trailer, Lifting. L. M. Rohm. 2,650,730, Sept. 1.
Trailer line control apparatus. T. H. Affleck. 2,636,576, Apr. 28.
Trailer, Self-loading. O. E. Sellers. 2,662,655, Dec. 15.
Trailer sleeping unit, Universal. H. J. Green. 2,658,212, Nov. 10.
Trailer stand. C. V. Eckert. 2,634,941, Apr. 14.
Trailer steering hitch. W. E. Ellis. 2,653,032, Sept. 22.
Trailer steering linkage. J. H. and J. R. Fletcher. 2,643,892, June 30.
Trailer supporting and steering dolly and weight equalizer. C. L. Milligan and C. D. Swaim. 2,639,159, May 19.
Trailer, Tank. E. Mullen. 2,626,813, Jan. 27.
Trailer tongue and adjustable hitching stand therefor. O. R. Gruber. 2,639,120, May 19.
Trailer, Transport. J. C. Horn and R. W. Wilson. 2,661,108, Dec. 1.
Trailer truck tandem axle spring suspension. F. A. Jones. 2,639,166, May 19.
Trailer, Two-wheel dump. J. J. Black. 2,628,126, Feb. 10.
Trailer with detachable gooseneck. W. E. Martin. 2,663,574, Dec. 22.
Trailer with slidably removable load platform. K. P. Ryan. 2,630,329, Mar. 3.
Train control system for railroads having coded and non-coded track circuit territory, Automatic. J. D. Hughson. 2,632,844, Mar. 24.
Train, Railway. H. D. Euwer and H. G. Anderson. 2,648,292, Aug. 11.
Training device for crippled children. T. M. Curley. 2,663,376, Dec. 22.
Tramming drive for mining and loading machine. C. E. Andershock. 2,661,629, Dec. 8.
Trampolin. L. V. Griswold. 2,652,966, Sept. 22.
Transaction counter selection and control. F. B. Moser. 2,625,322, Jan. 13.
Transceiver system. O. H. Schmitt. 2,648,063, Aug. 4.
Transconductor employing line type field controlled semiconductor. O. M. Stuetzer. 2,657,345, Oct. 27.
Transducer. W. T. Harris. 2,638,577, May 12.
Transducer. G. N. Howatt. 2,625,663, Jan. 13.
Transducer. J. H. Lancor, Jr., and J. Delmonte. 2,636,964, Apr. 28.
Transducer construction, Magnetic. M. Rettinger. 2,647,167, July 28.
Transducer control. H. E. Van Valkenburg and E. G. Cook. 2,651,012, Sept. 1.
Transducer device electromechanically sensitive to flexure. H. G. Baerwald. 2,659,829, Nov. 17.
Tranaducer devices having bonded elements, Making. A. Szegvari and C. K. Graviey. 2,639,257, May 19.
Transducer head, Electromagnetic. M. Camras. 2,628,285, Feb. 10.
Transducer, Logarithmic. D. E. Sunstein. 2,662,978, Dec. 15.
Transducer, Magnetic. A. W. Friend. 2,628,284, Feb. 10.
Transducer, Rotatron - electrical. O. G. Schwede. 2,662,980, Dec. 15.
Transducer testing apparatus. J. R. Cornett. 2,648,979, Aug. 18.
Transfer apparatus. R. E. Cross. 2,642,179, June 16.
Transfer check valve. A. G. Johnson and T. A. St. Clair. 2,627,388, Feb. 3.
Transfer chute for connection between dry cleaning and solvent recovery machines. A. M. Duncan. 2,659,224, Nov. 17.
Transfer coating. B. S. Cross and G. P. Netherly. 2,658,007, Nov. 3.
Transfer device for box wrapping machines. W. J. Haessler. 2,645,365, July 14.
Transfer device for traveling conveyers. J. C. Whitesell. 2,643,755, June 30.
Transfer machine. H. E. Rose, E. R. Motch, Jr., and D. S. Baus. 2,639,491, May 26.
Transfer machine. H. E. Rose and M. B. Sampson. 2,639,493, May 26.
Transfer means for pillow feathers and the like. W. D. L. Anderson. 2,650,011, Aug. 25.
Transfer mechanism. J. H. Friedman. 2,648,077, Aug. 11.
Transfer mechanism for automobile parking garages. J. J. Robinson, Jr., and H. M. Wassem. 2,633,809, Apr. 7.
Transfer mechanism for calculating machines. D. Broido. 2,628,029, Feb. 10.
Transfer mechanism for calculating machines. T. O. Mehan. 2,635,812, Apr. 21.
Transfer mechanism for counters. H. N. Bliss. 2,628,779, Feb. 17.
Transfer mechanism for floor propellers. J. Boyko and E. W. McCaul. 2,660,127, Nov. 24.
Transfer of granular materials. E. H. Ivey, Jr., and J. W. Delaplaine. 2,624,695, Jan. 6.
Transfer pad for labeling machines, Pneumatic. S. T. Carter. 2,652,941, Sept. 22.
Transfer paper. C. Davis and N. A. Thacker. 2,646,367, July 21.
Transfer process for coating materials. C. S. Francis, Jr. 2,631,958, Mar. 17.
Transfer resistor and making. G. H. Rodgers, Jr. 2,661,448, Dec. 1.
Transfer system. F. B. Martin. 2,633,253, Mar. 31.
Transferring a magnetic sound track to movie film, Method and apparatus for. A. H. Persoon and C. F. Stebbins. 2,628,929, Feb. 17.
Transferring an image-bearing gelatine layer to another film base. J. Q. Umberger. 2,643,950, June 30.
Transferring and dispensing apparatus and method. A. R. Curioni. 2,629,501, Feb. 24.
Transferring and stacking apparatus. C. B. Lubbert. 2,627,986, Feb. 10.
Transferring designs. L. Jackson. 2,637,271, May 5.
Transferring device for butter bars and similar products. R. W. Clauss. 2,634,852, Apr. 14.
Transferring heat by a powdered thermophore in a state of dense phase fluidization. P. W. Garbo. 2,641,450, June 9.
Transferring loops from dial needles to cylinder needles. P. L. St. Pierre. 2,635,440, Apr. 21.
Transferring loops from dial needles to cylinder needles. E. St. Pierre. 2,657,560, Nov. 3.
Transformer. J. L. Bonanno. 2,641,743, June 9.
Transformer. N. O. Clark. 2,648,751, Aug. 11.
Transformer, Adjustable impedance. C. F. P. Rose. 2,627,550, Feb. 3.
Transformer, Air-cooled. E. D. Treanor. 2,654,583, Oct. 6.
Transformer and dynamo steels, Production of. H. Höfges and E. Goebel. 2,662,819, Dec. 15.
Transformer and electric motor and combination, Submersible. T. C. Lloyd and S. S. L. Chang. 2,629,076, Feb. 17.
Transformer assembling device. A. Waltert. 2,626,582, Jan. 27.
Transformer assembly, Intermediate frequency. R. A. Lang and R. M. Savasky. 2,648,031, Aug. 4.
Transformer bushing. J. C. Joublanc. 2,664,457, Dec. 29.
Transformer cooling duct construction. W. J. Bilodeau 2,632,041, Mar. 17.
Transformer cooling system control. A. V. Hughes 2,640,101, May 26.
Transformer core. S. Larkin. 2,634,321, Apr. 7.
Transformer, Current. C. A. Woods, Jr., and C. C. Sterrett. 2,640,102, May 26.
Transformer, Combined voltage and current. A. Meyerhans and H. Hartmann. 2,637,821, May 5.
Transformer, Differential. W. D. Macgeorge. 2,640,967 June 2.
Transformer, Direct current. B. F. B. Smith. 2,631,249 Mar. 10.
Transformer, Electrical. W. N. Parker. 2,655,623 Oct. 13.

Transformer for air and the like. L. Craig. 2,648,169, Aug. 11.
Transformer for alternating current welders, Variable. F. B. Miller. 2,651,023, Sept. 1.
Transformer for connecting a wave guide to a coaxial line. A. Alford. 2,659,054, Nov. 10.
Transformer for current, Polyphase. E. Uhlmann. 2,632,878, Mar. 24.
Transformer for the transmission of electric impulses, High-frequency. H. G. Bruijning. 2,645,746, July 14.
Transformer gin. C. N. Dunn. 2,625,371, Jan. 13.
Transformer, High-frequency alternating current. R. Calvert. 2,659,845, Nov. 17.
Transformer protective apparatus. E. H. Yonkers. 2,639,346, May 19.
Transformer protective switch. S. R. Smith, Jr. 2,662,137, Dec. 8.
Transformer, Radio frequency current. R. M. Baker. 2,663,827, Dec. 22.
Transformer, Stress-coupled core and crystal. R. L. Peek, Jr. 2,636,135, Apr. 21.
Transformer tap changer. M. Rigert. 2,625,619, Jan. 13.
Transformer unit. E. Gostyn. 2,650,351, Aug. 25.
Transformer, Universal sweep and high-voltage. C. E. Torsch. 2,639,319, May 19.
Transformer, Variable. G. M. Shingledecker and G. C. Catulle. 2,646,552, July 21.
Transformer, Variable band-width. E. Toth. 2,651,761, Sept. 8.
Transformer, Variable current welding. A. C. Mulder. 2,644,109, June 30.
Transformer, Variable voltage. J. L. Bonanno. 2,652,500, Sept. 15.
Transformer, Wave guide impedance. W. W. Hansen. 2,656,515, Oct. 20.
Tranformer, Welding. E. Force. 2,640,960, June 2.
Transfusion apparatus. G. R. Ryan. 2,653,606, Sept. 29.
Transient pressure detector. J. W. Matthews. 2,661,460, Dec. 1.
Transistor amplifier circuit. B. McMillan. 2,662,124, Dec. 8.
Transistor amplitude modulator. L. L. Koros. 2,629,858, Feb. 24.
Transistor bistable circuit. A. W. Lo. 2,644,896, July 7.
Transistor circuit. C. O. Mallinckrodt. 2,647,957, Aug. 4.
Transistor design. E. A. Meyer. 2,651,009, Sept. 1.
Transistor electrical transmission system, Two-way. R. M. Ryder. 2,662,122, Dec. 8.
Transistor frequency modulation. W. E. Kock. 2,632,146, Mar. 17.
Transistor ring counter. A. W. Lo. 2,644,897, July 7.
Transistor trigger circuits. R. L. Trent. 2,629,863, Feb. 24.
Transit system, Passenger. H. A. Babcock. 2,657,642, Nov. 3.
Transit support. C. H. Reed. 2,638,302, May 12.
Transitory memory circuits. R. Serrell. 2,639,859, May 26.
Translating assembly for beam-type weighing scale. E. J. Eisner. 2,659,594, Nov. 17.
Translating circuit. W. H. T. Holden. 2,637,017, Apr. 28.
Translating device, Hall-effect wave. W. P. Mason. 2,649,574, Aug. 18.
Translating system, Selecting and two-way. H. H. Schneckloth. 2,633,498, Mar. 31.
Translation of electromagnetic waves. C. C. Cutler. 2,659,817, Nov. 17.
Transload device. A. E. Brickman. 2,642,789, June 23.
Translucent cover for colored fishing lures. W. Swenson. 2,636,304, Apr. 28.
Transmission. J. S. Alspaugh. 2,637,220, May 5.
Transmission. J. J. Campodonico. 2,633,753, Apr. 7.
Transmission. A. Y. Dodge. 2,629,265, Feb. 24.
Transmission. C. Gerst. 2,633,754, Apr. 7.
Transmission. R. C. Hoffman. 2,662,800, Dec. 15.
Transmission. J. Jandasek. 2,640,373, June 2.
Transmission. D. W. Kelbel. 2,625,057, Jan. 13.
Transmission. D. W. Kelbel. 2,658,412, Nov. 10.
Transmission. B. F. Kenyon. 2,659,248, Nov. 17.
Transmission. A. Kepes. 2,646,696, July 28.
Transmission. R. Lapsley. 2,630,025, Mar. 3.
Transmission. R. Lapsley. 2,647,413, Aug. 4.
Transmission. E. C. La Vogue. 2,649,817, Aug. 25.
Transmission. F. R. McFarland. 2,627,189, Feb. 3.
Transmission. H. L. Misch and C. J. Lucia. 2,630,893, Mar. 10.
Transmission. P. Orr and C. L. Swift. 2,658,413, Nov. 10.
Transmission. J. P. Rogers. 2,638,791, May 19.
Transmission. P. B. Saunders, Jr. 2,625,831, Jan. 20.
Transmission. F. W. Seybold. Re. 23,630, Mar. 10.
Transmission. W. E. Swenson. 2,660,900, Dec. 1.
Transmission. J. G. Vincent. 2,648,992, Aug. 18.
Transmission. A. B. Wiser. 2,639,629, May 26.
Transmission, Adjustable speed. J. D. Rieser. 2,637,215, May 5.
Transmission and clutch for clothes washers. J. W. McNairy. 2,639,618, May 26.
Transmission and control. M. H. Frank. 2,645,135, July 14.
Transmission and control mechanism. J. B. Armitage and T. F. Eserkaln. 2,630,717, Mar. 10.
Transmission and reaction torque device. O. R. Kuster and R. C. Ried. 2,649,816, Aug. 25.
Transmission, Automatic. W. B. Barnes. 2,651,949, Sept. 15.
Transmission, Automatic. K. R. Douglas. 2,634,626, Apr. 14.
Transmission, Automatic. J. C. Taylor. 2,637,217, May 5.
Transmission belt. G. H. Bramhall and J. P. Hunter. 2,627,185, Feb. 3.
Transmission belt for V-groove pulleys, Articulated. C. G. Borgna. 2,643,550, June 30.
Transmission brake servomotor. S. V. Hettinger, Jr. 2,638,750, May 19.
Transmission chain for V-type pulleys. E. Karig. 2,651,211, Sept. 8.
Transmission control. G. E. Flinn. 2,662,418, Dec. 15.
Transmission control. W. V. Harrison. 2,663,199, Dec. 22.
Transmission control. C. W. Lincoln; P. B. Zeigler, and R. A. Malone. 2,631,467, Mar. 17.
Transmission control. C. W. Lincoln and E. A. Schroeder. 2,662,419, Dec. 15.
Transmission control. C. A. Neracher and M. C. Robinson. 2,633,948, Apr. 7.
Transmission control. O. W. Schotz. 2,638,193, May 12.
Transmission control, Automotive. G. T. Randol. Re. 23,691, July 28.
Transmission control, Automotive. G. T. Randol. 2,646,232, Aug. 11.
Transmission control, Dual. D. E. Willis. 2,640,374, June 2.
Transmission control in two-way signaling system. O. R. Garfield. 2,632,052, Mar. 17.
Transmission control mechanism. M. L. Cripe. 2,634,622, Apr. 14.
Transmission control mechanism. R. H. Long. 2,662,621, Dec. 15.
Transmission control system. W. T. Dunn. 2,624,211, Jan. 6.
Transmission control system. L. B. Forman. 2,624,206–10, Jan. 6.
Transmission control system. A. and M. P. Winther. 2,638,793, May 19.
Transmission control system. M. P. and A. Winther, and A. S. Gill, Jr. 2,660,071, Nov. 24.
Transmission control unit, Pressure actuated. R. D. Fageol. 2,634,709, Apr. 14.
Transmission delay measuring system. W. F. Eicher and L. H. Schwartz. 2,626,306, Jan. 20.
Transmission device, Multiplex. C. J. H. A. Staal. 2,662,175, Dec. 8.
Transmission device, Radio-frequency. D. H. Preist and B. O. Ballou. 2,641,657, June 9.
Transmission drive mechanism. T. R. Smith. 2,645,318, July 14.
Transmission fluorimeter. M. Slavin, M. H. Fletcher, and I. May. 2,663,801, Dec. 22.
Transmission for cooperating driven shafts, Variable stroke. L. S. Tisdale, Sr. 2,654,259, Oct. 6.
Transmission for electric hair clippers. L. J. Wahl. 2,640,261, June 2.
Transmission for lathes, Feedbox. W. G. Hoelscher. 2,640,369, June 2.
Transmission for machine tools, Hydraulic. L. J. Snader. 2,654,291, Oct. 6.
Transmission for motor vehicles. J. G. Vincent. 2,645,299, July 14.
Transmission for rig drives. J. B. Picard. 2,634,619, Apr. 14.
Transmission for vehicles, Change speed. W. O. Bechman and N. J. Palkovic. 2,661,634, Dec. 8.
Transmission, Fourteen-speed planetary. C. E. Schou. 2,651,950, Sept. 15.
Transmission having power coupling device. L. Newcomb and A. A. Ashton. 2,627,042, Jan. 27.
Transmission jack. C. F. Hamer. 2,637,449, May 5.
Transmission line delay network. L. Bess. 2,659,052, Nov. 10.
Transmission line switch. G. W. Price. 2,637,787, May 5.
Transmission line termination. O. M. Woodward, Jr. 2,655,635, Oct. 13.
Transmission line tuning device for electronic systems. D. T. Armstrong. 2,649,577, Aug. 18.
Transmission line, Variable-length. M. C. Pease. 2,644,140, June 30.
Transmission mechanism. B. T. Neal. 2,645,136, July 14.
Transmission mechanism, Automatic power. H. A. Flynn. 2,634,627, Apr. 14.
Transmission mechanism having selectively driven output shafts. C. C. Humbert and P. R. Wardell. 2,630,719, Mar. 10.
Transmission mechanism, Power. J. A. Baines. 2,655,820, Oct. 20.
Transmission mechanism, Power. T. Hindmarch. 2,648,990, Aug. 18.
Transmission mechanism, Power. A. J. Lewis. 2,654,260, Oct. 6.
Transmission mechanism, Power. D. C. Orcutt and C. J. Dry. 2,641,137, June 9.
Transmission mechanism, Variable. C. A. Posson. 2,655,819, Oct. 20.
Transmission, Multispeed. R. F. McCammon. 2,660,899, Dec. 1.
Transmission of picture and sound on the same carrier. J. E. Robinson. 2,653,184, Sept. 22.

Transmission of the reciprocating piston type, Variable ratio fluid. A. Jarmann, Jr. 2,633,710, Apr. 7.
Transmission operating mechanism. G. Ainsworth. 2,631,703, Mar. 17.
Transmission operating mechanism. G. Ainsworth. 2,634,837, Apr. 14.
Transmission operating mechanism. G. O. Ainsworth and E. E. Prather. 2,631,701, Mar. 17.
Transmission operating mechanism. R. H. Long. 2,630,894, Mar. 10.
Transmission operating mechanism. R. H. Long and E. E. Prather. 2,637,425, May 5.
Transmission operating mechanism. E. E. Prather. 2,631,702, Mar. 17.
Transmission operating mechanism. E. R. Price. 2,626,690, Jan. 27.
Transmission operating mechanism. E. R. Price. 2,634,838, Apr. 14.
Transmission operating mechanism. E. R. Price. 2,637,216, May 5.
Transmission operating mechanism. H. W. Price. 2,651,948, Sept. 15.
Transmission operating mechanism. A. E. Wilson and H. D. Hukill. 2,657,588, Nov. 3.
Transmission, Rotary pump and motor hydraulic. T. Millier. 2,639,586, May 26.
Transmission shifting means. N. E. Wahlberg. 2,631,707, Mar. 17.
Transmission structure, Ultrahigh-frequency. H. B. Taylor and A. J. Watts. 2,627,551, Feb. 3.
Transmission system, Data. E. A. Johnson. 2,630,481, Mar. 3.
Transmission system, Electronic. L. Espenschied and A. M. Skellett. 2,640,162, May 26.
Transmission system including bilateral transistor amplifier, Eelectrical. W. Koenig, Jr. 2,662,123, Dec. 8.
Transmission system, Multiplex pulse. G. X. N. Potier. 2,659,768, Nov. 17.
Transmission system, Rotary fluid motor. R. E. Price and H. E. Balsiger. 2,663,995, Dec. 29.
Transmission unit. C. B. De Vlieg. 2,638,010, May 12.
Transmission unit, Reversible power. F. B. Recker. 2,636,400, Apr. 28.
Transmission unit, Unimount drive power. J. D. Rieser. 2,640,367, June 2.
Transmission, Variable-speed. H. B. Black. 2,638,796, May 19.
Transmission, Yieldable power. L. W. Falk. 2,639,624, May 26.
Transmit-receive switch. B. Zarky. 2,654,834, Oct. 6.
Transmitter, Electric current impulse. O. Moser. 2,651,676, Sept. 8.
Transmitter, Facsimile telegraph. L. Devaux. 2,640,875, June 2.
Transmitter for coded carrier control systems. A. Finlay. 2,631,275, Mar. 10.
Transmitter for perforated tape records, Teleprinter. H. Wüsteney. 2,639,323, May 19.
Transmitter, High-speed telegraph. T. A. Hansen. 2,643,290, June 23.
Transmitter, Linear dial call. J. J. Madden. 2,635,230, Apr. 14.
Transmitter, Loran. S. W. Seeley. 2,658,993, Nov. 10.
Transmitter, Motion. C. E. Roessler, Jr. 2,656,520, Oct. 20.
Transmitter, Operator identifier. R. L. Thompson. 2,637,844, May 5.
Transmitter, Radar beacon. A. V. Lord. 2,654,833, Oct. 6.
Transmitter, Radio noise. R. H. Dicke. 2,624,836, Jan. 6.
Transmitter, Rotating-field pulse. D. B. Parkinson. 2,639,332, May 19.
Transmitter, Synchronized power. H. M. Geyer. 2,657,539, Nov. 3.
Transmitter, Tape controlled telegraph. W. J. Zenner. 2,659,767, Nov. 17.
Transmitting and receiving apparatus and method for electromagnetic prospecting. W. M. Barret. 2,661,466, Dec. 1.
Transmitting audio messages, Method of and apparatus for. K. F. G. Wiemer. 2,658,948, Nov. 10.
Transmitting device with an ellipsoidal reflector, Sound. J. Léon. 2,643,727, June 30.
Transmitting heat. E. Da Fano. 2,641,581, June 9.
Transmitting intelligence, Method and means for. N. H. Young, Jr. 2,645,677, July 14.
Transmitting mechanism, Power. H. F. Kaelin. 2,657,591, Nov. 3.
Transmitting system, Facsimile. M. D. McFarlane. 2,633,494, Mar. 31.
Transmitting unit, Vehicle mounted hydraulic type power. C. W. Mott. 2,661,674, Dec. 8.
Transom construction for boats. E. S. Swenson. 2,660,142, Nov. 24.
Transom plate for outboard motorboats. A. A. Moran. 2,660,385, Nov. 24.
Transparency viewer. L. C. and T. R. Helms and M. Browneye. 2,637,132, May 5.
Transparent conducting films. W. O. Lytle. 2,648,753, Aug. 11.
Transparent electroconductive article. A. E. Saunders. 2,648,752, Aug. 11.
Transparent film from vinyl chloride based resins admixed with butadiene-acrylonitrile type copolymers, Making. B. J. Humphrey and R. J. Reid. 2,647,101, July 28.
Transparentizing paper. R. R. Parmentier. 2,646,369, July 21.
Transplanting machine. W. S. McGowan. 2,651,405, Sept. 8.
Transplanting machine. C. V. Morine. 2,626,578, Jan. 27.
Transport device for disk harrows. R. J. Ireland. 2,641,885, June 16.
Transportation of granular solids. D. B. Ardern. 2,663,595, Dec. 22.
Transportation of natural gas. B. Miller. 2,658,360, Nov. 10.
Transportation system and equipment. W. F. Adler. 2,650,731, Sept. 1.
Transporting and distributing fertilizers on fields, Means for. G. Friedmann. 2,656,648, Oct. 27.
Transporting and dumping equipment. G. R. Dempster. 2,633,259, Mar. 31.
Transporting apparatus. N. F. Alvare. 2,646,178, July 21.
Transporting float. A. R. M. Nizery. 2,650,558, Sept. 1.
Transversal electric wave filter. L. C. Peterson. 2,629,841, Feb. 24.
Trap: *See*—
Animal trap.
Burglar trap.
Chemical gun trap.
Choker trap.
Clothes drier lint trap.
Condensate trap.
Crab trap.
Cut film holder light trap.
Dairy container sediment trap.
Gopher trap.
Hydraulic system air trap.
In-line steam trap.
Insect trap.
Ion trap.
Jump bite trap.
Leader drain trap.
Liquid seal trap.
Mouse and rat trap.
Queen and drone trap.
Siphonless trap.
Universal steam trap.
Vapor trap.
Vermin-trap.
Trap. C. F. Glasser. 2,652,656, Sept. 22.
Trap. D. H. Jones. 2,643,480, June 30.
Trap. G. W. Oakes. 2,636,310, Apr. 28.
Trap. G. W. Oakes. 2,639,539, May 26.
Trap for small animals. C. E. Gumfory. 2,632,279, Mar. 24.
Trap for turbine cooling air, Dirt. F. A. McClintock. 2,632,626, Mar. 24.
Trap hook. L. E. Poston. 2,649,802, Aug. 25.
Trap hook. J. E. Stevenson. 2,643,479, June 30.
Trap mechanism. J. F. Fitzgerald. 2,652,655, Sept. 22.
Trap-nest gate. T. T. Arel. 2,640,220, June 2.
Trash can holder. S. E. Kriz. 2,639,113, May 19.
Trash clearing device for corn harvesters. C. B. Richey. 2,660,016, Nov. 24.
Trash disposal unit, Cotton gin. W. M. Galloway. 2,663,381, Dec. 22.
Trash ejector. R. S. Curley and E. R. Richardson. 2,644,987, July 14.
Travel bag. M. Davis and W. Jindela. 2,626,689, Jan. 27.
Travel case. W. M. Tuller. 2,638,192, May 12.
Travel kit. M. C. Leachman. 2,631,632, Mar. 17.
Travel unit, Child's. E. N. Kirsten. 2,649,593, Aug. 25.
Traveler for transportation of tree trunks and like loads. E. Pilet. 2,648,443, Aug. 11.
Traveling bag. D. Korchmar. 2,627,952, Feb. 10.
Traveling bag for sound recording and reproducing machines. J. M. Kuhlik. 2,640,885, June 2.
Traveling block. J. D. Bennett. 2,657,905, Nov. 3.
Traveling line load indicator. L. Q. Webber. 2,656,719, Oct. 27.
Traveling-saw machine with automatic guard. A. Hyslop, Jr. 2,637,353, May 5.
Traveling wave amplifier tube. K. S. Knol and A. van der Ziel. 2,657,328, Oct. 27.
Traveling wave amplifier tube. L. D. Smullin and G. C. Dewey. 2,624,859, Jan. 6.
Traveling wave electron discharge device. J. R. Pierce. 2,637,001, Apr. 28.
Traveling wave electronic tube. J. W. Tiley. 2,630,544, Mar. 3.
Traveling wave tube. F. C. Breeden and L. C. Elsaman. 2,660,690, Nov. 24.
Traveling wave tube. G. C. Dewey. 2,643,353, June 23.
Traveling wave tube. L. M. Field. 2,645,737, July 14.
Traveling wave tube. R. L. Wathen. 2,657,329, Oct. 27.
Traveling wave tube attenuator. G. F. Barnett and W. H. Chudleigh, Jr. 2,626,371, Jan. 20.
Traveling wave tube mixing apparatus. K. S. Knol and A. van der Ziel. 2,657,305, Oct. 27.
Traverse device. M. Abbe. 2,629,560, Feb. 24.
Traverse guide trip. C. B. Kingsbury and R. H. Carter. 2,625,333, Jan. 13.
Traverse mechanism for rayon spinning machines. H. C. Bolton and L. Rose. 2,633,693, Apr. 7.
Traverse motion for yarn winding machines and the like. M. M. Waldrop. 2,658,689, Nov. 10.
Traverse rod and supporting bracket. J. N. Graber. 2,653,344, Sept. 29.
Traversing mechanism. W. W. Farrar. 2,639,105, May 19.
Trawling otter. C. D. Burney. 2,661,562, Dec. 8.
Tray. E. C. Wright. 2,631,724, Mar. 17.
Tray and cover, Egg. J. R. Grant. 2,656,945, Oct. 27.

Tray and making same, Serving. J. A. Potchen. 2,662,382, Dec. 15.
Tray and platter, Combination picnic. O. C. Hintze. 2,652,702, Sept. 22.
Tray attachment for chairs or the like. C. D. Davis. 2,633,900, Apr. 7.
Tray, Beautician's utility. N. M. Stephens. 2,649,144, Aug. 18.
Tray, Bottle. W. Geisler. 2,663,486, Dec. 22.
Tray cabinet. W. J. Gray. 2,652,309, Sept. 15.
Tray, Cash. P. Krupin. 2,659,486, Nov. 17.
Tray, Collapsible travel service. M. B. Basil. 2,635,678, Apr. 21.
Tray construction, Sheet metal table. F. Bennett. 2,628,873, Feb. 17.
Tray conveyer and like oven, Baker's swing. J. E. Pointon. 2,634,693, Apr. 14.
Tray, Covered. P. A. Schilling. 2,660,362, Nov. 24.
Tray, Crumb. R. B. Lawrence. 2,651,925, Sept. 15.
Tray, Dental impression. H. McAdoo. 2,634,500, Apr. 14.
Tray, Dental impression. M. P. Sweeney. 2,657,461, Nov. 3.
Tray, Desk. E. F. Thomson. 2,627,342, Feb. 3.
Tray, Display. W. G. and C. W. Michaelsen, W. H. Gerbode, and L. E. Dolan. 2,639,033, May 19.
Tray, Display. E. F. Prestinari. 2,627,344, Feb. 3.
Tray, Drive-in theater service. T. W. Foster, L. E. Schek, and E. L. Bradley. 2,640,589, June 2.
Tray, Enclosed cake. B. E. White, J. A. Cushman, Jr., and A. A. Dukert. 2,656,041, Oct. 20.
Tray equipment, Pass. E. C. Hanson. 2,630,084, Mar. 3.
Tray, Folding. L. E. Dubach. 2,626,845, Jan. 27.
Tray, Folding utility lunch. J. C. Thomson. 2,640,597, June 2.
Tray for automobile doors, Detachable service. W. J. Brath and L. J. Mayer. 2,645,537, July 14.
Tray for automobile instrument panels, Retractile. J. A. Hunt. 2,634,181, Apr. 7.
Tray for automobile instrument panels, Service. O. W. Carpenter. 2,650,870, Sept. 1.
Tray for paint cans, Drip. F. C. Schnabel. 2,630,241, Mar. 3.
Tray for the blind, Food. V. W. Enslein. 2,651,926, Sept. 15.
Tray for use with air abrasive techniques, Dental isolation. B. J. Daigle. 2,637,107, May 5.
Tray for vehicle bodies or the like, Tool. H. N. Luby and C. A. Wefing. 2,639,068, May 19.
Tray for whiskey bottles and glasses, Revolving. J. Di Bari. 2,624,651, Jan. 6.
Tray, Freezing. A. J. Frei, Sr. 2,642,726, June 23.
Tray hanger. E. F. Whitman. 2,658,705, Nov. 10.
Tray, Letter. R. L. Gallagher. 2,627,343, Feb. 3.
Tray or carton. F. J. Ullrich. 2,629,535, Feb. 24.
Tray, Posting. S. Segal. 2,637,324, May 5.
Tray, Proofer. C. R. Rechtin and W. P. Bruestle. 2,640,583, June 2.
Tray, Refrigerator. H. C. Mather. 2,657,544, Nov. 3.
Tray, Reinforced. C. E. Claff and C. A. Moeller. 2,646,914, July 28.
Tray structure, Fractionation and distillation. J. M. Ballenger. 2,652,239, Sept. 15.
Tray support. C. W. Dudley. 2,644,660, July 7.
Tray supporting device, Auxiliary. J. J. Isella and P. F. Pabat. 2,627,354, Feb. 3.
Tray, Utility. E. V. Gilchrist. 2,657,967, Nov. 3.
Tray with furniture arm engaging bracket, Chair. A. I. Hudziak and P. H. Kyker. 2,647,716, Aug. 4.
Tread construction for tire casings. J. A. Walsh. 2,661,041, Dec. 1.
Tread for vehicles, Endless. C. I. Leveke. 2,641,512, June 9.
Treadmill for walking toys. H. M. Black. 2,660,811, Dec. 1.
Treadle propelling mechanism for bicycles, Oscillating. M. E. Petersen. 2,630,333, Mar. 3.
Treadle, Safety. E. M. Mahardy. 2,634,625, Apr. 14.
Treating a marine product. C. B. Stevenson. 2,656,275, Oct. 20.
Treating amylaceous materials by pressure homogenization. L. H. Rees. 2,635,068, Apr. 14.
Treating and harvesting of forage crops and the like. S. D. Russell. 2,639,553, May 26.
Treating apple sections. M. W. Talbert. 2,662,824, Dec. 15.
Treating arsenical gold ores. D. T. Tarr, Jr. and F. A. Fischer. 2,650,159, Aug. 25.
Treating birds and feathers. A. A. Horvath. 2,624,685, Jan. 6.
Treating channel black. I. Williams. 2,643,182, June 23.
Treating coal and the like. A. D. Singh. 2,636,688, Apr. 28.
Treating conversion catalysts. R. N. Watts and J. P. Bilisoly. 2,651,599, Sept. 8.
Treating drilling fluids to reduce water loses. T. E. Watkins. 2,660,561, Nov. 24.
Treating dry, hydrophilic protective colloids. H. L. Heiss. 2,639,268, May 19.
Treating electroplated magnesium castings. H. K. De Long. 2,661,329, Dec. 1.
Treating fibrous materials to improve their bonds with rubber. A. H. Gentle and T. Jackson. 2,653,886, Sept. 29.
Treating fibrous materials to improve their bonds with rubber and the products thereof. A. H. Gentle and T. Jackson. 2,653,891, Sept. 29.
Treating fibrous materials to improve their bonds with vinyl chloride polymers and the products thereof. A. H. Gentle and T. Jackson. 2,653,892, Sept. 29.
Treating fluid medium, Method and apparatus for. O. Yadoff. 2,637,408, May 5.
Treating foliage crops and the like. F. W. Steere. 2,637,121, May 5.
Treating frothy bloat in ruminants and tympanic colic in horses. J. A. Austin and K. A. Ratcliff. 2,635,981, Apr. 21.
Treating fruit waste. J. R. McCanghna. 2,664,356, Dec. 29.
Treating hair. V. A. Gant. 2,643,375, June 23.
Treating high molecular weight hydrocarbons. J. C. Illman and H. J. Sommer. 2,640,803, June 2.
Treating hydrocarbons. B. L. Moulthrop. 2,651,595, Sept. 8.
Treating hydrocarbons, Method and apparatus for. E. G. Ragatz. 2,638,437, May 12.
Treating keratinous yarns and compositions therefor. O. P. Cohen. 2,642,332, June 16.
Treating materials of different specific gravities, Method and apparatus for. E. Harvengt. 2,644,582, July 7.
Treating materials with intense alternating shear forces, Means for. C. B. Horsley and G. C. Seavey. 2,661,192, Dec. 1.
Treating method for high-boiling esters. C. A. Cohen and F. Knoth, Jr. 2,642,389, June 16.
Treating methyl acetate. M. Mention and J. Mercier. 2,650,249, Aug. 25.
Treating mixture containing materials and apparatus therefor. J. Brabaek. 2,654,159, Oct. 6.
Treating mushrooms and product. J. A. Di Giacinto and L. J. Amabili. 2,635,051, Apr. 14.
Treating natural cellulose textiles to partially esterify them and then treating with a resin condensation product and products resulting therefrom. R. F. Nickerson. 2,646,340, July 21.
Treating of gaseous mixtures. J. W. Woolcock. 2,642,154, June 16.
Treating photosensitive materials by spreading thereon a layer of processing liquid and apparatus for performing said process. E. H. Land. 2,653,527, Sept. 29.
Treating plants with 4,5 dichloro-3-pyridazones. D. T. Mowry. 2,628,181, Feb. 10.
Treating polymers produced by alkali metal catalyzed polymerizations. W. W. Crouch. 2,636,910, Apr. 28.
Treating polyvinyl alcohol fibers. W. R. McClellan and H. B. Stevenson. 2,636,804, Apr. 28.
Treating popcorn. R. Park. 2,663,645, Dec. 22.
Treating products, including destroying insect life, disintegrating, cleaning, and separating, Method and apparatus for. R. B. Dodds, A. N. Hibbs, and J. D. Napier. 2,644,740, July 7.
Treating protein hydrolysis liquor. T. Ogawa and M. Ohno. 2,648,704, Aug. 11.
Treating raisins, Method and apparatus for. E. Allotti. 2,648,605, Aug. 11.
Treating selenium rectifiers, Apparatus for and method of. J. N. Shive. 2,626,448, Jan. 27.
Treating sewage or other waste material. L. E. Langdon. 2,628,190, Feb. 10.
Treating solids, Method and apparatus for. J. E. Montgomery. 2,629,938, Mar. 3.
Treating solids, Method and apparatus for. J. E. Montgomery and W. H. Cundiff. 2,657,473, Nov. 3.
Treating sugar solutions with ion-exchange resins. J. C. Winters and R. Kunin. 2,649,390, Aug. 18.
Treating synthesis product. H. V. Hess, G. B. Arnold, and M. L. Drabkin. 2,653,960, Sept. 29.
Treating tar. J. W. Donegan. 2,631,982, Mar. 17.
Treating textile articles. J. C. King. 2,633,446, Mar. 31.
Treating tall oil. E. P. Glynn and B. F. Hofferth. 2,662,849, Dec. 15.
Treating tobacco, Process of and apparatus for. A. W. Schoenbaum and H. L. Barnes. 2,661,746, Dec. 8.
Treating vanadium and uranium ores and the like. B. Burwell. 2,630,369, Mar. 3.
Treating vehicle bodies and chassis. G. Williams and A. P. Fowler. 2,658,008, Nov. 3.
Treating vitreous materials. I. Patai. 2,647,068, July 28.
Treating water soluble salt to decrease caking and rate of reaching by ground water. W. H. Rinkenbach. 2,660,541, Nov. 24.
Treating waters, including boiler waters, and composition therefor. W. L. Denman. Re. 23,614, Jan. 13.
Treating well fluids. W. C. Carlisle and J. H. McCarvell. 2,654,436, Oct. 6.
Treating wool. G. Sulzer. 2,663,616, Dec. 22.
Treating yarn. L. P. Miller. 2,637,658–9, May 5.
Treating yarn, thread, and the like. H. Y. Jennings. 2,627,103, Feb. 3.
Treatment and use of porous contact masses. A. W. Hoge. 2,643,215, June 23.
Treatment for reducing the pH of furnace blacks. L. R. Sperberg. 2,657,117, Oct. 27.
Treatment for the correction of lost circulation of drilling fluids. E. K. Simon and M. H. Fischer. 2,634,236, Apr. 7.
Treatment of acid waste liquors. E. S. Tanski. 2,639,222, May 19.

Treatment of alumina containing catalytic composites. L. Schmerling. 2,651,617, Sept. 8.
Treatment of aqueous formaldehyde. C. M. King, Jr., and W. E. Heinz. 2,636,053, Apr. 21.
Treatment of articles comprising a vinyl resin with an antistatic agent and treated articles. J. J. Carnes. 2,626,877, Jan. 27.
Treatment of bauxites. I. De Vecchis and O. E. Ramuz. 2,637,628, May 5.
Treatment of beta-methylene-beta-propiolactone copolymers. H. W. Gray and C. W. Theobald. 2,653,146, Sept. 22.
Treatment of boiler water. J. M. Kahn and E. G. Kominek. 2,629,367, Feb. 24.
Treatment of carbon black with oxyhalides. M. R. Cines and W. T. Nelson. 2,641,533, June 9.
Treatment of carboxymethyl diethers of ethylene glycols to remove HNO_3. A. B. Ash and M. H. Earing. 2,659,754, Nov. 17.
Treatment of carnotite ore materials. A. Q. Lundquist. 2,640,754, June 2.
Treatment of cellulosic pulps. J. N. Conover. 2,639,989, May 26.
Treatment of copolymer olefins for oxonation. C. A. Cohen and C. W. Muessig. 2,658,932, Nov. 10.
Treatment of cracked hydrocarbon distillates. C. Wankat and E. Y. Titus. 2,640,012, May 26.
Treatment of drilling muds with barium starch. H. E. Bode. 2,658,035, Nov. 3.
Treatment of electric apparatus intended to contain oil. J. H. O. Lindhe. 2,643,962, June 30.
Treatment of electric lamp envelopes. A. J. Sharkey. 2,637,830, May 5.
Treatment of fabric. A. Melville. 2,651,098, Sept. 8.
Treatment of filtering apparatus. E. J. Corona. 2,653,716, Sept. 29.
Treatment of flour and similar ground products. A. Kleijn and H. J. Houtgraaf. 2,630,392, Mar. 3.
Treatment of fluorinated aluminum-bearing mineral products. W. E. White. 2,643,179, June 23.
Treatment of furnace blacks. M. R. Cines. 2,641,535, June 9.
Treatment of glyceride oils and the resulting product. K. F. Mattil. 2,631,156, Mar. 10.
Treatment of gossypol in solvent-extracted cottonseed meal. M. Bonotto. 2,631,099, Mar. 10.
Treatment of hydrocarbon mixtures to adapt them for oxidation. G. Riethof and G. P. Brown, Jr. 2,636,047, Apr. 21.
Treatment of hydrocarbon synthesis naphtha. B. N. Hill. 2,651,654, Sept. 8.
Treatment of hydrocarbon waxes. R. T. Loughran. 2,651,655, Sept. 8.
Treatment of hydrocarbons with hydrogen. C. W. Montgomery and C. S. Brown. 2,640,009, May 26.
Treatment of industrial waters. W. W. Robinson, Jr. 2,657,178–9, Oct. 27.
Treatment of liquid egg albumin. A. K. Epstein and B. M. Shaffer. 2,630,387, Mar. 3.
Treatment of lubricating oil. W. N. La Porte. 2,654,696, Oct. 6.
Treatment of melted magnesium and magnesium alloys. S. C. Pyk. 2,633,419, Mar. 31.
Treatment of oil-bearing formations. R. F. Bauer and J. E. Sherborne. 2,633,919, Apr. 7.
Treatment of papermaking fibers with organosilicon compounds. C. W. MacMullen, R. C. Shaver, and R. L. Titus. 2,646,373, July 21.
Treatment of paraffins with aluminum bromide. F. E. Frey. 2,645,601, July 14.
Treatment of pectous waste. D. P. Norman. 2,635,095, Apr. 14.
Treatment of pentaerythritol mother liquor. E. J. Russell. 2,651,662, Sept. 8.
Treatment of petroleum distillates. J. G. Browder and A. R. Smith. 2,638,439, May 12.
Treatment of phlebitis, Means for the. K. Sigg. 2,649,088, Aug. 18.
Treatment of pitch. O. F. Campbell. 2,652,594, Sept. 22.
Treatment of pitch. K. A. Smith and D. K. Hedeen. 2,652,593, Sept. 22.
Treatment of pitch, Method and apparatus for the. H. C. Kuhn. 2,652,591, Sept. 22.
Treatment of plaster molds. J. F. Bryer and R. E. Steele. 2,632,209, Mar. 24.
Treatment of polyvinyl alcohol fibers by dielectric heating. T. Tomonari. 2,639,970, May 26.
Treatment of resin acid-fatty acid mixtures. O. S. Eckhardt, D. F. Cook, and I. E. Knapp. 2,659,718, Nov. 17.
Treatment of rosin soaps, and use of resulting soaps in emulsion polymerization. C. A. Uraneck and S. H. Landes. 2,630,426, Mar. 3.
Treatment of rubber. W. M. Morgan. 2,644,850, July 7.
Treatment of rubber stock. W. J. Yurgen. 2,642,626, June 23.
Treatment of shale. R. T. Sanderson. 2,641,565, June 9.
Treatment of solid substances at higher temperatures under action of gases. H. Wendeborn. 2,657,030, Oct. 27.
Treatment of steel. R. J. Wilcox and F. G. Vihtelic. 2,661,279, Dec. 1.
Treatment of sticklac to obtain therefrom seedlac. R. H. Turnbull. 2,632,003, Mar. 17.
Treatment of streptomycin solutions. P. D. Coppock, L. Mulligan, J. T. McCombie, and A. G. White. 2,655,497, Oct. 13.
Treatment of tall oil. S. W. Gloyer and H. A. Vogel. 2,640,823, June 2.
Treatment of textile fibers for removing foreign matter therefrom. M. T. Hoffman. 2,647,286, Aug. 4.
Treatment of textile materials. E. H. Rossin. 2,651,587, Sept. 8.
Treatment of textiles and N-halogenated amine-aldehyde agents therefor. O. P. Cohen and E. H. Rossin. 2,654,720, Oct. 6.
Treatment of titaniferous material. J. A. Rogers. 2,635,036, Apr. 14.
Treatment of wells. P. H. Cardwell and C. L. Lunsford. 2,640,816, June 2.
Treatment with alcoholic solution to complete coupling of azo dyes in cellulose acetate textile material. V. S. Salvin. 2,643,175, June 23.
Tree felling and land-clearing attachment. R. E. Long. 2,650,628, Sept. 1.
Tree felling apparatus, including a prime mover-dynamo power plant. M. F. Murray. 2,655,960, Oct. 20.
Tree girdling machine, Portable. F. Davison. 2,632,487, Mar. 24.
Tree shaking mechanism. J. E. Avansino. 2,656,669, Oct. 27.
Tree trimmer powered by a motor towed by the operator, Flexible shaft driven. S. P. Lagant. 2,655,957, Oct. 20.
Tree uprooting attachment for bulldozers. W. A. Winget. 2,663,952, Dec. 29.
Trench making machine and the like. H. H. Bates. 2,643,096, June 23.
Trench roller, Motorized. F. J. Wright. 2,639,652, May 26.
Trepan, Mining. J. Dionisotti. 2,648,524, Aug. 11.
Trialkyl hydroxylamine-sulfur trioxide compounds. W. B. Hardy. 2,649,484, Aug. 18.
Trialkyl phosphate esters, Producing. A. D. F. Toy. 2,636,048, Apr. 21.
Trialkylsilyladiptic acid. J. L. Speier, Jr. 2,628,245, Feb. 10.
Trialkylsilylcyclohexanols and preparation thereof. J. L. Speier, Jr. 2,628,244, Feb. 10.
Triallyl cyanurate, Manufacture of. R. G. Nelb. 2,631,148, Mar. 10.
Triangle having a parallel line spacer, Draftsman's. L. G. Peretti. 2,663,939, Dec. 29.
Triazine derivative. J. J. Roemer and D. W. Kaiser. 2,650,220, Aug. 25.
Triazine fluorescent agents. W. E. Wallace and W. W. Williams. 2,658,065, Nov. 3.
Triazine fluorescent agents. W. W. Williams and W. E. Wallace. 2,660,578, Nov. 24.
Triazine monoazo dyestuffs. W. Widmer and A. Fasciati. 2,643,996, June 30.
Triazine organometallic compounds and preparing same. E. A. H. Friedheim. 2,659,723, Nov. 17.
Triazine phosphorus compounds. M. L. Nielsen. 2,634,270. Apr. 7.
Triazine vat dyes. M. Scalera and E. M. Hardy. 2,650,920, Sept. 1.
Trichloroethylidene cyanoacetic acid allyl ester and process. D. T. Mowry and A. H. Schlesinger. 2,624,751, Jan. 6.
Trichloromethane sulfonyl chloride, Producing. W. P. ter Horst and W. K. Cline. 2,664,443, Dec. 29.
Trichloro methyl thiocyanate and preparing same. J. F. Olin. 2,650,240, Aug. 25.
Tricolor separations, Preparing. H. H. Duerr. 2,628,901, Feb. 17.
Tricycle attachment device. F. J. Ewers. 2,630,334, Mar. 3.
Tricycle, Multiple steering head. B. F. Leber. 2,656,197, Oct. 20.
Tridecenyl alcohols. J. M. Butler. 2,624,766, Jan. 6.
Tri-esters of hydroxy alkyl thio succinic acids. R. O. Zerbe. 2,654,773, Oct. 6.
Trifluoromethylated diphenyl ether sulfonic acids. H. Martin. 2,649,476, Aug. 18.
Trigger circuit. A. H. Dickinson. 2,647,995, Aug. 4.
Trigger circuit. R. J. McCurdy. 2,640,153, May 26.
Trigger mechanism. M. Hansen. 2,654,175, Oct. 6.
Trigger mechanism for air guns. A. Lawrence. 2,633,839, Apr. 7.
Trigger safety attachment for firearms. B. B. Baker and H. J. Gates. 2,635,379, Apr. 21.
Trigger safety latch for firearms. B. B. Baker and H. J. Gates. 2,635,380, Apr. 21.
Trigger-switch, Glow transfer. A. L. Samuel. 2,662,200, Dec. 8.
Triggering system. R. I. Hulsizer and G. Hite. 2,636,165, Apr. 21.
Trim fastening means for vehicle seats. C. E. McCormick. 2,661,051, Dec. 1.
Trim molding fastening means and method. C. D. West. 2,659,950, Nov. 24.
Trimable servo tab with balanced, antibalanced, and spring tab action intended especially for aircraft. T. N. G. Lidmalm and N. F. L. Bengtsson. 2,646,234, July 21.
Trimmer and edger, Grass. E. F. Britten, III. 2,660,847, Dec. 1.

Trimming and shaving attachment for combs, Hair. B. Di Zazzo. 2,663,930, Dec. 29.
Trimming board with illuminated scale. L. Sasse. 2,645,707, July 14.
Trimming machine. H. W. Bishop. 2,624,056, Jan. 6.
Trimming machine. W. O. Hartup. 2,629,439, Feb. 24.
Trimming machine. R. M. Schultz. 2,659,278, Nov. 17.
Trimming machine, Edge. H. Keller. 2,663,352, Dec. 22.
Trimming mechanism for grinder wheels. S. G. Brady. 2,664,080, Dec. 29.
Trimming mechanism for sewing machines. F. W. Breul. 2,642,020, June 16.
Trimethylsilylphenoxy esters. J. L. Speier, Jr. Re. 23,654, May 12.
Trinuclear dyes containing a 5-thiazolidone nucleus. P. Aubert, R. A. Jeffreys, and E. B. Knott. 2,656,351, Oct. 20.
Triorganosilylbenzaldehydes. K. C. Frisch and P. D. Shroff. 2,641,605, June 9.
Triorganosilylbenzamides. K. C. Frisch and P. D. Shroff. 2,647,137, July 28.
Triorganosilyl-substituted diketones. L. H. Sommer. 2,634,282, Apr. 7.
Trioxepane polymers. W. F. Gresham and C. D. Bell. 2,625,569, Jan. 13.
Trip latch stake pocket. B. Vinson. 2,663,572, Dec. 22.
Trip means for rotary metered mailing machines. H. L. Lambert. 2,660,950, Dec. 1.
Trip mechanism for automatic cutoff valves, Fusible. H. H. Shiels. 2,638,106, May 12.
Trip rope tensioning and releasing device. A. E. Gill. 2,637,510, May 5.
Trip timing meter. H. A. Highstone. 2,651,456, Sept. 8.
Triple entry posting board. F. J. Kraemer, Jr. 2,658,774, Nov. 10.
Tripod. C. J. Cadwell and F. M. Adamson. 2,646,956, July 28.
Tripod. J. A. Musial. 2,633,319, Mar. 31.
Tripod head. J. T. Peterson. 2,638,298, May 12.
Tripod mechanism. J. B. Fairbanks. 2,661,672, Dec. 8.
Tripod mounting. J. G. Stein. 2,649,268, Aug. 18.
Tripod structure. C. J. Cadwell and F. M. Adamson. 2,653,000, Sept. 22.
Trisazo dyestuffs. W. Bossard and O. Bitterlin. 2,659,721, Nov. 17.
Tristage crystallization and hydrolysis process for recovering vanadium phosphorus, and chromium from ferrophosphorus and like materials. L. H. Banning and W. E. Anable. 2,654,655, Oct. 6.
Trocar. J. M. Myers. 2,628,404, Feb. 17.
Trolley conveyer bracket. J. B. and J. C. Webb. 2,644,571, July 7.
Trolley conveyer system, Free. G. Reussner. 2,632,402, Mar. 24.
Trolley nip. W. R. Fortney. 2,631,209, Mar. 10.
Trolley pole. C. G. A. Johnson, Jr. 2,644,862, July 7.
Trolley turnout, Double. W. J. Lewis. 2,649,509, Aug. 18.
Trolley wire clamp. H. Schutte. 2,662,129, Dec. 8.
Trolley wire contact device. J. L. McGlothlen. 2,657,284, Oct. 27.
Trolley wire feeder tap. A. H. Genter. 2,634,340, Apr. 7.
Trolley wire fixture. S. S. Matthes. 2,628,291, Feb. 10.
Trolley wire tap. J. F. Conrad. 2,636,957, Apr. 28.
Trolling line sinker. A. J. L. Moritz. 2,645,053, July 14.
Trolling plate. B. L. Katzung and M. A. Reim. 2,654,336, Oct. 6.
Trolling propelling means for boats. H. Hoffman. 2,628,586, Feb. 17.
Trophy and beverage shaker, Bottle containing. E. C. Abt. 2,649,984, Aug. 25.
Trotline or the like. P. Warren. 2,655,758, Oct. 20.
Trouble light. R. E. Zediker. 2,662,970, Dec. 15.
Trouble light guard with detachable reflector. L. N. Baenziger. 2,626,347, Jan. 20.
Trough, Automatic drinking. G. Marechal. 2,642,839, June 23.
Trough, Feed. C. A. Potter. 2,638,872, May 19.
Trough for pool tables, Ball collecting. F. E. Elersich. 2,640,697, June 2.
Trough for resawing machines, Line up. W. A. Trapeur. 2,638,133, May 12.
Trough, Sectional water. M. L. Smallegan. 2,626,724, Jan. 27.
Trough, Sickle guard grain collecting. C. M. Hawkins. 2,649,679, Aug. 25.
Trouser cuff and pocket cleaner. J. O. Devau. 2,632,902, Mar. 31.
Trouser fly, Zipper fastened. J. D. Knotter. 2,650,366, Sept. 1.
Trousers construction. D. Lewis. 2,626,397, Jan. 27.
Trousers hanger. E. L. Blackman. 2,639,847, May 26.
Trowel for cement floor finishers, Float. M. E. Whiteman. 2,662,454, Dec. 15.
Truck, Abutment ascending hand. J. M. Marshall. 2,633,363, Mar. 31.
Truck and attachment therefor, Lift. B. A. Dickson. 2,651,428, Sept. 8.
Truck and body organization, Railway. M. Watter. 2,636,451, Apr. 28.
Truck and coupler for toy railroads, Combined. F. Pettit. 2,658,629, Nov. 10.
Truck and the like, Dolly. V. H. Richards. 2,627,234, Feb. 3.
Truck body, Dump. J. A. Nicholson. 2,658,795, Nov. 10.
Truck body, Refrigerated. R. P. Mansmann. 2,663,163, Dec. 22.
Truck body, Self-unloading. R. A. McBride. 2,653,724, Sept. 29.
Truck body tilting mechanism, Hydraulic. N. D. Pearson. 2,630,929, Mar. 10.
Truck body, Utility. J. J. Powers. 2,636,717, Apr. 28.
Truck, Car. R. B. Cottrell. 2,630,079, Mar. 3.
Truck, Casket carrying. W. E. Barrott, Jr., and W. E. Barrott, Sr. Re. 23,718, Sept. 29.
Truck, Close coupled. H. J. Framhein. 2,661,183, Dec. 1.
Truck damping device. C. W. Wulff. 2,660,129, Nov. 24.
Truck, Dumping. O. Kersey. 2,645,522, July 14.
Truck, Dye-house. J. P. King and H. T. Fitting. 2,649,965, Aug. 25.
Truck, Elevating. E. H. Sehnert. 2,628,068, Feb. 10.
Truck, Flatwork feeder. J. G. Mulvihill. 2,635,850, Apr. 21.
Truck for banana bunches, Lifting and handling. R. M. Winslow. 2,644,598, July 7.
Truck for drill and mining machines. S. C. Moon. 2,656,152, Oct. 20.
Truck for railway cars, Articulated. J. H. Olson. 2,639,173, May 19.
Truck for use with shaking conveyers, Conveyer-propelled supply. J. F. Joy. 2,644,573, July 7.
Truck, Fork lift. F. F. Sutherland. 2,633,260, Mar. 31.
Truck, Hand. G. W. Black. 2,645,370, July 14.
Truck, Hand. A. I. Cody and W. E. Brandley. 2,624,472, Jan. 6.
Truck, Hand. E. P. Coval. 2,650,834, Sept. 1.
Truck, Hand. A. Nielsen. 2,649,219, Aug. 18.
Truck, Hand. J. H. Prowinsky and D. J. Carlson. 2,638,236, May 12.
Truck, Hand. N. Tessler and N. Blacker. 2,649,981, Aug. 25.
Truck, Hand lift. G. L. Turner. 2,635,711, Apr. 21.
Truck having pivotally mounted extension for high level dumping, Fork. G. R. Dempster and H. W. Jones. 2,639,829, May 26.
Truck indexing mechanism. G. Offutt and W. M. Briner. 2,642,221, June 16.
Truck, Industrial. C. W. Chanda. 2,641,336, June 9.
Truck, Industrial. G. L. Turner. 2,640,611, June 2.
Truck, Industrial. G. L. Turner. 2,645,306, July 14.
Truck, Industrial. E. W. Weaver. 2,625,285, Jan. 13.
Truck, Lift. G. F. Quayle. 2,643,740, June 30.
Truck loader. C. H. Raymond. 2,645,360, July 14.
Truck loader, Front or rear-end. J. R., W. O., and L. W. Brisson. 2,643,011, June 23.
Truck loader, Refuse. L. S. Thomas and T. Edwards. 2,627,988, Feb. 10.
Truck loading. D. E. Rueckert. 2,649,054, Aug. 18.
Truck loading and unloading mechanism. A. Foote. 2,656,058, Oct. 20.
Truck, Lumber hoist. J. B. Tipps. 2,652,164, Sept. 15.
Truck, Motorized hand. R. Jackson. 2,663,440, Dec. 22.
Truck, Oxygen tank. I. A. Kernkamp. 2,654,493, Oct. 6.
Truck, Rail car. A. O. Williams. 2,638,058, May 12.
Truck, Rail vehicle. B. S. Cain and J. K. Erzer. 2,650,549, Sept. 1.
Truck, Railway. E. H. Blattner and G. F. Couch. 2,625,888, Jan. 20.
Truck, Railway. C. L. Eksergian. 2,636,450, Apr. 28.
Truck, Railway. H. G. Ivatt. 2,632,405, Mar. 24.
Truck, Railway. J. C. Travilla, Jr. and W. M. Sheehan. 2,652,001, Sept. 15.
Truck, Rotator drum. R. Andrews. 2,653,015, Sept. 22.
Truck, Self-loading. A. C. Hensley. 2,652,936, Sept. 22.
Truck, Service. C. W. Rickel and F. Eyerly. 2,625,427, Jan. 13.
Truck, Snubbed. J. J. Kowalik. 2,661,702, Dec. 8.
Truck, Stair climber type of hand. R. J. Menne. 2,635,887, Apr. 21.
Truck, Stair lift hand. G. L. Hoffman and S. J. Petersen. 2,641,325, June 9.
Truck, Stock transfer. G. W. Burg. 2,630,961, Mar. 10.
Truck, Snubbed. C. J. Clasen. 2,652,002, Sept. 15.
Truck, Snubbed. R. B. Cottrell. 2,638,059, May 12.
Truck, Snubbed. J. J. Kowalik. 2,652,786, Sept. 22.
Truck, Snubbed. W. L. Schlegel, Jr. 2,632,407. Mar. 24.
Truck, Snubbed bolster. R. C. Pierce. 2,650,550, Sept. 1.
Truck step climbing mechanism, Hand. S. B. Wessic. 2,653,672, Sept. 29.
Truck, Store service. S. N. Goldman. 2,639,161, May 19.
Truck, Telescopic dumping. A. R. Phelps. 2,663,439, Dec. 22.
Truck trailer, Vertically adjustable. D. M. Manning. 2,653,827, Sept. 29.
Truck, Trash can handling. L. R. Stoker. 2,636,627, Apr. 28.
Truck, Winch-operated hoist. J. C. Stuart and G. D. Darnell. 2,647,013, July 28.
Truck with adjustable toe plate, Hand. J. C. and E. Z. Chenette. 2,653,033, Sept. 22.
Truck, Wrecking. O. S. and J. S. Hubbard. 2,662,652, Dec. 15.
True air speed indicator. S. L. Leach. 2,638,782, May 19.
Truing mechanism, Automatic. F. S. Haas. 2,641,873, June 16.
Truing the peripheral surfaces of band saw wheels. M. H. Mater and C. C. Walker, Sr. 2,627,708, Feb. 10.

Trumpet for use in textile industry. J. J. Bradley. 2,659,108, Nov. 17.
Trunk, Collapsible. E. Lützelschwab. 2,647,594, Aug. 4.
Trunk latch type fastener. D. H. Gaston. 2,643,148, June 23.
Trunk lid and ornamental attachment therefor. F. N. Renaud, Jr., and S. J. Paxton. 2,626,181, Jan. 20.
Trunk piston. W. M. Venner and P. L. Bowser, Jr. 2,643,921, June 30.
Truss. E. E. Prance. 2,635,149, Oct. 13.
Truss and stud support, Foldable and compactable. C. A. McElhone and T. G. Jones. 2,642,825, June 23.
Truss bracing system for vertical stabilization of pipe line suspension bridges. W. Kenan. 2,661,488, Dec. 8.
Truss head and mounting therefor. F. B. Miller. 2,654,366, Oct. 6.
Truss, Hernia. G. A. Hoover. 2,652,051, Sept. 15.
Truss, Hernial. G. Ajdukovich. 2,658,509, Nov. 10.
Truss structure, Collapsible. D. W. Finlay and O. D. Rohlfs. 2,636,457, Apr. 28.
Truss, Surgical. W. E. Carter. 2,645,221, July 14.
Try-on garment hanger. L. R. Lyons. 2,637,472, May 5.
Tub and top construction for dishwashers. H. O. Smith. 2,641,380, June 9.
Tub assembly for washing machines. T. R. Smith. 2,637,188, May 5.
Tube: *See*—
Beam traveling wave amplifier tube.
Bourdon tube.
Cathode-ray oscillator tube.
Cathode-ray tube.
Caulking compound tube.
Ceramic electron tube.
Cold cathode discharge tube.
Color television picture tube.
Color television tube.
Dark trace cathode-ray tube.
Drainage tube.
Drinking tube.
Electric discharge tube.
Electrical high-vacuum discharge tube.
Electrical space discharge tube.
Electron beam vacuum tube.
Electron tube.
Electronic discharge tube.
Electronic tuning or indicating tube.
Gas discharge tube.
Gas-filled grid controlled electronic tube.
Gaseous discharge tube.
Geometrically coated cathode-ray tube.
High current density beam tube.
High frequency tube.
Hyperfrequency vacuum tube.
Impulse counting tube.
Ion-trap cathode-ray tube.
Isolating tube.
Mercury rectifier tube.
Modified traveling wave tube.
Negative charge image television transmission tube.
Plural-beam growing-wave tube.
Pneumatic vehicle tire inner tube.
Poly-anode flip-flop tube.
Projection television tube.
Punctureproof steel inner tube.
Reflex oscillator tube.
Refractory tube.
Self-closing collapsible tube.
Self-sealing collapsible tube.
Short-wave electric discharge tube.
Television image analyzing tube.
Television pickup tube.
Television tube.
Traveling wave amplifier tube.
Traveling wave electronic tube.
Traveling wave tube.
Tunable magnetron tube.
Tunable multi-cavity type magnetron tube.
Ultrahigh-frequency electric discharge tube.
Ultrahigh-frequency electron tube.
Ultrahigh-frequency switch tube.
Ultrahigh-frequency vacuum tube.
Ultra-short wave transmitting and amplifying tube.
Ultra-wide band amplifier tube.
Uniformly collapsible tube.
Variable capacitor tube.
Velocity modulation amplifier tube.
Velocity modulation tube.
X-ray tube.
Yarn tube.
Tube and its manufacture. T. R. Scott and W. K. Weston. 2,640,501, June 2.
Tube and resonant circuit associated therewith, Transmit-receive. K. Garoff and E. V. Edwards. 2,632,867, Mar. 24.
Tube and sealing material therefor, Punctureproof. K. V. Hardman and A. J. Lang. 2,657,729, Nov. 3.
Tube arrangement for heat exchangers. W. M. Gaylord, Jr. 2,655,350, Oct. 13.
Tube assembly, Catalytic reactor. S. B. Thomas and H. D. Evans. 2,645,567, July 14.
Tube assembly, Flexible Pitot-static. R. A. Renwans. 2,650,497, Sept. 1.
Tube assembly for refrigerators, Capillary. A. S. Cumming. 2,645,099, July 14.
Tube base and the like, Electronic. R. L. Elliott. 2,627,536, Feb. 3.
Tube beam-centering device, Cathode-ray. C. W. Wandrey. 2,635,204, Apr. 14.
Tube beam-positioning device, Cathode-ray. N. Kafka. 2,634,381, Apr. 7.
Tube bender, Squeeze type copper. A. J. Shiley. 2,630,032, Mar. 3.
Tube bending tool. O. Stover. 2,630,033, Mar. 3.
Tube capping apparatus. E. L. Midgley. 2,664,232, Dec. 29.
Tube circuit structure, Subminiature electron. R. K. Seal and C. O. Lindseth. 2,641,635, June 9.
Tube cleaning tool. D. G. Posson. 2,637,865,
Tube closing system. H. Kissling. 2,642,208
Tube closure. R. R. Robinson. 2,647,655, Aug
Tube closure openable by pressure of the con
lapsible. L. M. Walch. 2,657,829, Nov. 3.
Tube control device, Memory. C. H. Page. Oct. 20.
Tube construction. J. H. Cooper. 2,655,181,
Tube counting arrangement, Gas discharge. larkey. 2,626,751, Jan. 27.
Tube coupling. A. L. Bigelow. 2,640,716, Ju
Tube coupling. G. V. Woodling. 2,644,700, J
Tube crack-off machine, Continuous. C. Eisler. June 16.
Tube cutting die. C. M. Brehm. 2,627,921,
Tube delivery apparatus. R. W. Falconer. Dec. 1.
Tube display system, Cathode-ray. E. Parker, lis, and A. Woroncow. 2,648,061, Aug. 4.
Tube-ejector device. S. Berger. 2,635,129, Ap
Tube electrode, Cathode-ray. H. H. Boeing. Jan. 27.
Tube electrode, Cathode-ray. R. W. Shawfrank. Jan. 27.
Tube expanding. F. E. Dudley. 2,649,889, Au
Tube expanding tool. M. Tomarin. 2,654,414
Tube extrusion. N. H. Curtiss. 2,644,983, Ju
Tube flaring tool. G. E. Franck. 2,662,574, D
Tube for controlling electric currents, Ionic. P. lon. 2,654,856, Oct. 6.
Tube for irrigating devices, Spray. H. S. I
C. K. Wilson. 2,631,058, Mar. 10.
Tube for the treatment of piles or the like, J. Hoch. 2,664,088, Dec. 29.
Tube for treating fibers and the like with pressure. J. A. Bessom. 2,661,618, Dec. 8.
Tube forming machine, Wire cloth. J. J. H 2,645,702, July 14.
Tube holder and dispenser with pivotally mou squeezing member. W. J. Chapman and W 2,643,029, June 23.
Tube holder with tube collapsing means and ports, Collapsible. A. J. Campagna. 2,637,4
Tubemaking apparatus. F. C. Hesterman. 2,63 21.
Tube making process. P. H. Brace. 2,628,51
Tube mill and means for lubrication. J. E. 2,632,529, Mar. 24.
Tube mill with pocketed liner structure for classification of grinding bodies and ground J. A. Siegten. 2,661,908, Dec. 8.
Tube modulator, Double pulse gas. P. T. M I. Stokes. 2,644,157, June 30.
Tube mount. I. Sislik. 2,643,839, June 30.
Tube of the masked target variety, Cathode-r Epstein. 2,659,026, Nov. 10.
Tube of the reflex type, Velocity modulated. and J. Brossart. 2,659,024, Nov. 10.
Tube puller. G. W. Hall. 2,648,563, Aug. 11
Tube shield and socket mounting assembly. Camp. 2,646,460, July 21.
Tube shield for spray guns. E. Mosher. Aug. 4.
Tube sizing lubricator. J. Fischer, Jr. 2,652, 22.
Tube socket. J. D. Heibel. 2,625,582, Jan. 13.
Tube structure, Gaseous electron. J. E. McI 2,653,264, Sept. 22.
Tube system, Multicolored single luminescen Kral. 2,632,869, Mar. 24.
Tube system, Vaporizer. F. H. Keast and F. liams. 2,648,197, Aug. 11.
Tube test device, Cathode-ray. E. J. 2,661,445, Dec. 1.
Tube tester, Cathode-ray. R. A. Reid. 2,632,13
Tube testing apparatus. F. Huhn. 2,663,183.
Tube with cavity resonator, Magnetron. J. R. C. Fletcher, and F. F. Rieke. 2,658,165,
Tube with current-traversed grid supports, Elec charge. W. Müller. 2,644,086, June 30.
Tube with electron multiplying and selecting Storage. J. A. Rajchman. 2,645,734, July
Tube with movable target electrode, Projection. 2,637,829, May 5.
Tube working tool. R. D. McIntosh. 2,637,22
Tubes, Making corrugated. M. A. Lamb, J. J. K Stranberg, and J. H. Frankowski. 2,641,830
Tubing and making the same, Plastic resin. and O. C. Stahl. 2,645,249, July 14.
Tubing and well tool coupling. R. C. Baker. July 7.
Tubing drain and jar, Combined. J. S. Page. Aug. 4.
Tubing or casing, Flexible. A. A. Buffet. 2,649 25.
Tubing packer and hold-down mechanism, J patrick. 2,632,514, Mar. 24.
Tubing, Producing. G. Slayter. 2,653,887, Se
Tubing rotating device for oil wells. K. V 2,630,181, Mar. 3.
Tubing structure and manufacture, Flexible. I tress. 2,663,324, Dec. 22.

Tubing structures, Making. D. W. Fentress. 2,635,330, Apr. 21.
Tubular container and pressure tight closure. J. C. A. Fitch. 2,653,730, Sept. 29.
Tubular gate. S. Kaplan. 2,659,168, Nov. 17.
Tubular getter container. C. F. Veenemans, S. H. R. Visser, and F. Jansen. 2,657,452, Nov. 3.
Tubular metal chair frame. C. J. Janosek. 2,638,149, May 12.
Tubular radiant gas burner. B. E. Bailey. 2,632,503, Mar. 24.
Tubular reactor with expansion compensator. R. M. Reed. 2,654,657, Oct. 6.
Tubular receptacle. R. J. Töpfer. 2,645,375, July 14.
Tubular section structural member, Multiple. S. Macomber. 2,630,890, Mar. 10.
Tuck-making guide. T. E. Carroll. 2,642,828, June 23.
Tufted material, Making. A. E. Caldwell. 2,633,442, Mar. 31.
Tufting machine. P. Durrschmidt. 2,649,064, Aug. 18.
Tufting machine. O. Grant, Jr., and C. H. Jackson. 2,637,289, May 5.
Tufting machine for producing ornamental designs. J. Montgomery. 2,656,803, Oct. 27.
Tufting machine, Mattress. A. W. Wanzer, D. G. Way, and F. E. Kalning. 2,652,013, Sept. 15.
Tumbler. O. E. Kling and J. P. Jorgenson. 2,645,033, July 14.
Tumbler, Double-walled. G. H. Davis. 2,637,182, May 5.
Tumbler pad for drying machines. S. M. Hyman. 2,651,509, Sept. 8.
Tumbling machine and drive therefor, Universal portable. J. F. Rampe. 2,635,473, Apr. 21.
Tumbling mill feed mechanism. J. J. Fischer and L. J. Morgan. 2,656,162, Oct. 20.
Tunable band-pass coaxial filter. P. I. Richards. 2,624,801, Jan. 6.
Tunable cavity. B. B. Cork. 2,656,484, Oct. 20.
Tunable magnetron. J. W. West. 2,657,334, Oct. 27.
Tunable magnetron circuit. A. M. Clogston and W. V. Smith. 2,659,029, Nov. 10.
Tunable magnetron circuit. R. L. Kyhl. 2,659,028, Nov. 10.
Tunable magnetron tube. F. H. Crawford. 2,639,406, May 19.
Tunable magnetron tube. F. H. Crawford. 2,653,276, Sept. 22.
Tunable multi-cavity type magnetron tube. M. A. Herlin and W. V. Smith. 2,624,864, Jan. 6.
Tunable protective electric breakdown device. A. Longacre. 2,629,774, Feb. 24.
Tunable strapped magnetron. E. Everhart and R. Bogrow. 2,624,862, Jan. 6.
Tune-up system for radar. H. L. Jackson. 2,656,534, Oct. 20.
Tuned circuit. T. M. Gluyas, Jr., and F. H. Schneider. 2,629,013, Feb. 17.
Tuned inertia mass viscous damper. B. E. O'Connor. 2,636,399, Apr. 28.
Tuned vibrating reed selective circuit. L. G. Bostwick. 2,630,482, Mar. 3.
Tuner. T. F. Gossard. 2,658,394, Nov. 10.
Tuner. W. I. Wu. 2,640,150, May 26.
Tuner for radio receivers and the like. C. W. Lytle. 2,644,141, June 30.
Tuner indicator and control. R. C. Carlson. 2,642,026, June 16.
Tuner slug coupling. R. C. Carlson. 2,629,080, Feb. 17.
Tuning aid for high fidelity radio receiving systems and the like. B. S. Vilkomerson. 2,639,375, May 19.
Tuning and strapping mechanism for magnetrons. A. T. Nordsieck. 2,644,106, June 30.
Tuning assembly. P. Robinson. 2,659,820, Nov. 17.
Tuning control for radio apparatus and the like, Automatic. R. W. May and R. S. Pyle. 2,645,321, July 14.
Tuning control system. R. B. Shostak. 2,634,373, Apr. 7.
Tuning device. G. W. Wallin. 2,641,647, June 9.
Tuning device, Cavity resonator. A. M. Clogston. 2,630,488, Mar. 3.
Tuning device, Electrical. J. T. Wilner. 2,644,095, June 30.
Tuning device for high-frequency electrical energy. F. W. Schmidt, Jr. 2,631,241, Mar. 10.
Tuning device, Guitar. F. B. Snodgrass. 2,662,439, Dec. 15.
Tuning device, Mechanical. J. P. Woods. 2,658,393, Nov. 10.
Tuning device, Television. G. D. Hulst. 2,642,746, June 23.
Tuning for mechanical resonators, Adjustable. L. L. Burns, Jr. 2,647,949, Aug. 4.
Tuning indicator for frequency shift telegraph systems. R. Terlecki. 2,656,415, Oct. 20.
Tuning indicator system. B. D. Loughlin. 2,624,837, Jan. 6.
Tuning mechanism. L. S. Depweg. 2,630,716, Mar. 10.
Tuning of resonant circuits, Automatic. C. E. McClellan. 2,653,243, Sept. 22.
Tuning stub. S. I. Rambo. 2,647,241, July 28.
Tuning system. R. J. Witkowski. 2,648,007, Aug. 4.
Tuning vibrating bars or rods, Means for and method of. J. F. Marshall. 2,655,069, Oct. 13.
Tungsten-chromium-alumina metal ceramics. L. A. Conant and D. M. Gillies. 2,656,596, Oct. 27.
Tunnel portal construction. W. E. Andrews. 2,642,788, June 23.
Tunneling or the like in rock, Method and means for. J. P. Danielsson. 2,655,360, Oct. 13.
Turban cap. A. M. Ged. 2,653,326, Sept. 29.
Turbine. D. J. Bloomberg. 2,637,984, May 12.
Turbine. G. K. W. Boestad and T. I. Lindhagen. 2,652,227, Sept. 15.
Turbine. A. Büchi. 2,641,442, June 9.
Turbine. A. Diethelm. 2,638,311, May 12.
Turbine. G. B. R. Feilden. 2,651,492, Sept. 8.
Turbine and combustion chamber, Combined water cooled rotary gas. P. P. Sherry and J. T. Corrigan. 2,662,373, Dec. 15.
Turbine and generator unit, Combined. J. C. Guimbal. 2,634,375, Apr. 7.
Turbine apparatus. J. S. Hardigg. 2,634,090, Apr. 7.
Turbine apparatus. A. H. Redding. 2,643,853, June 30.
Turbine bearing cooling means. L. Islip and S. W. H. Perry. 2,652,294, Sept. 15.
Turbine blade, Air-cooled. H. E. Schmitt. 2,648,520, Aug. 11.
Turbine blade construction. F. P. Sollinger. 2,656,146, Oct. 20.
Turbine blade with cooling means and carrier therefor. S. B. Williams. 2,641,440, June 9.
Turbine blades integral with turbine rotor, Manufacturing. J. M. Schenk. 2,633,776, Apr. 7.
Turbine blades, Making. K. M. Bartlett and N. J. Connavino. 2,638,663, May 19.
Turbine bucket. T. N. Hull, Jr. 2,660,401, Nov. 24.
Turbine control system, Combined manual and speed responsive gas. H. E. Reichert. 2,661,429, Dec. 1.
Turbine disk. A. A. Lombard, F. W. W. Morley, C. A. Davis, and S. C. Wilkinson 2,628,065–6, Feb. 10.
Turbine disk. T. A. Persson. 2,651,494, Sept. 8.
Turbine driven pump. C. A. Schellens. 2,632,596, Mar. 24.
Turbine governor. A. Nilson and R. F. Onsrud. 2,641,441, June 9.
Turbine having combustion element supplied thereto in response to speed and combustion chamber pressure, Engine starting. C. S. Jewett. 2,631,426, Mar. 17.
Turbine having reheating means and specially shaped rotor and stator blades to provide isothermal expansion, Aixal flow gas. H. M. Putman, Jr. 2,638,741, May 19.
Turbine heater. J. H. Edwards. 2,643,091, June 23.
Turbine, High-speed. H. T. Holzwarth. 2,643,852, June 30.
Turbine inlet structure. F. P. Corbett. 2,651,495, Sept. 8.
Turbine jet controller. F. H. Rued. 2,635,847, Apr. 21.
Turbine nozzle guide vane construction. W. Boyd and J. T. Purvis. 2,654,566, Oct. 6.
Turbine or compressor blade, Cooled. S. B. Williams. 2,641,439, June 9.
Turbine or compressor stator ring. J. B. Wheatley, A. W. Gaubatz, and C. C. Anderson. 2,640,679, June 2.
Turbine or like rotor. J. Atkinson. 2,657,008, Oct. 27.
Turbine plant, Semiclosed cycle gas. G. Bolsezian. 2,651,174, Sept. 8.
Turbine power plant having auxiliary units. N. C. Price. 2,638,744, May 19.
Turbine power plant, Internal combustion. H. Sammons. 2,638,740, May 19.
Turbine, Pressure fluid. K. A. Röder. 2,650,794, Sept. 1.
Turbine propeller control system. G. P. Knapp, W. E. Burns, W. P. Robbins, and R. T. Zwack. 2,640,550, June 2.
Turbine pump. V. J. Domer. 2,640,427, June 2.
Turbine, Ram jet. H. Karlby. 2,644,301, July 7.
Turbine rotor construction. R. M. Williams. 2,625,366, Jan. 13.
Turbine rotor for turbojet engines. R. M. Williams. 2,657,902, Nov. 3.
Turbine stage. A. Buchi. 2,635,849, Apr. 21.
Turbine starting mechanism. A. D. Zakarian. 2,651,910, Sept. 15.
Turbine structure. H. T. Holzwarth. 2,631,815, Mar. 17.
Turbine-type hydraulic torque converter, Rotary. R. C. Zeidler and W. A. Barnes. 2,663,149, Dec. 22.
Turbine wheel. E. Jedrzykowski. 2,638,312, May 12.
Turbine wheel mounting. A. W. Gaubatz. 2,652,271, Sept. 15.
Turbine with cooled rotor. H. Baumann. 2,635,805, Apr. 21.
Turbine with evacuated chamber and rotor element therefor, Pure reaction. J. M. Carswell. 2,637,166, May 5.
Turbine with plural generators selectively operable, Internal-combustion. B. C. Rennie and J. H. Weaving. 2,662,371, Dec. 15.
Turbine with self-cooling vanes, Internal-combustion. W. C. Heath. 2,636,344, Apr. 28.
Turbines, Cooling combustion. S. Campini. 2,648,519, Aug. 11.
Turbocompressor. H. Kohlmann and G. Zellbeck. 2,646,210, July 21.
Turbo compressor jet-propulsion apparatus and adjustable nozzle therefor. F. B. Halford and E. S. Moult. 2,653,445, Sept. 29.
Turbocompressor power plant for aircraft. A. R. Howell. 2,658,700, Nov. 10.
Turbo-machine rotor arrangement, Overhung. A. Howard. 2,664,268, Dec. 29.

Turbomachine stator casing. A. Howard, B. O. Buckland, and C. S. Rice. 2,650,753, Sept. 1.
Turbosupercharger means to heat intake of compression-ignition engine for starting. F. Nettel. 2,633,698, Apr. 7.
Turbosupercharger waste gate control. R. E. Couture. 2,629,541, Feb. 24.
Turbulent flow, restricted passage drier. L. Katz. 2,659,162, Nov. 17.
Turkey product and preparing same. F. George. 2,640,779, June 2.
Turnbuckle wrench. G. Thompson. 2,659,257, Nov. 17.
Turning machine. N. N. Marsilius. 2,627,196, Feb. 3.
Turnover hanger for tongs. C. A. Lundeen. 2,624,550, Jan. 6.
Turnover mechanism. P. H. Jenkins. 2,656,051, Oct. 20.
Turn post for diggers, Bucket carrying. D. F. Przybylski. 2,655,269, Oct. 13.
Turn signal. R. P. Donley. 2,639,343, May 19.
Turntable assembly for sewing machines. C. L. Qualler. 2,633,394, Mar. 31.
Turntable drive. D. B. Johnston. 2,661,627, Dec. 8.
Turning and boring machine. C. E. Dilts. 2,659,961, Nov. 24.
Turning attachment for drill presses. G. M. Harry. 2,641,150, June 9.
Turret control mechanism. T. L. Hallenbeck. 2,628,413, Feb. 17.
Turret for multiple spindle polishing and buffing machines, Rotary. C. A. Zinn and H. G. Perkins. 2,649,668, Aug. 25.
Turret indexing mechanism for lathes, Automatic. L. E. Godfriaux and C. H. Johnson. 2,635,326, Apr. 21.
Turret lathe. J. H. Wilson. 2,650,417, Sept. 1.
Turret roller bearing. S. C. Olszewski. 2,643,920, June 30.
Turret unit. L. Elliott. 2,651,973, Sept. 15.
Tweezers, Hair. G. T. Dale. 2,634,728, Apr. 14.
21-alkyl ethers of cortisone, Preparing. H. Minion and J. C. Babcock. 2,648,688, Aug. 11.
Twine holder. A. J. Rochow. 2,653,776, Sept. 29.
Twine holder having a twine guiding notch. J. W. England. 2,628,856, Feb. 17.
Twine knotter. C. S. Rudeen. 2,644,703, July 7.
Twisted plug-cord connector. F. C. Cooke. 2,657,368, Oct. 27.
Twister head driving mechanism for wool spinning machines. F. B. Kelliher. 2,654,212, Oct. 6.
Twister mechanism and bale tie. J. C. Leary. 2,661,680, Dec. 8.
Twisting device. E. Hegedüs. 2,659,193, Nov. 17.
Twisting device for textile strands. N. E. Klein. 2,625,786, Jan. 20.
Twisting frame. H. Bachofen. 2,660,023, Nov. 24.
Twisting machine for sill steps. G. E. Algatt. 2,636,538, Apr. 28.
Twisting machine for flat and formed bar stock. S. J. Kopec. 2,632,494, Mar. 24.
Twisting machine, Pretzel. H. S. Gipe. 2,628,577, Feb. 17.
2-acetoacetylaminothiophene. R. S. Long. 2,625,551, Jan. 13.
2-acylpyrroles from 2-acylfurans, Preparation of. A. P. Dunlop and S. Swadesh. 2,655,512, Oct. 13.
2-alkylphenyl-3,4,5,6-tetrahydropyrimidines. S. A. Ballard and R. R. Whetstone. 2,658,895, Nov. 10.
2-amino-5-nitrothiazole azo dye compounds. J. B. Dickey and E. B. Towne. 2,659,719, Nov. 17.
2-amino-4-piperidinoethyl-thiazole. J. M. Sprague and A. H. Land. 2,636,037, Apr. 21.
2-aminopyridine and 2-aminoquinoline, Preparation of. N. H. Marsh. 2,643,256, June 23.
2-amino-quinoxaline compounds, Preparing. K. Pfister, III and J. Weijlard. 2,650,221, Aug. 25.
2-amino-3,4-dihydroquinoxaline compounds and their preparation. K. Pfister, III and J. Weijlard. 2,605,222, Aug. 25.
2-chloro-4-nitrophenol, Preparing. E. E. Gilbert and J. V. Schurman. 2,629,745, Feb. 24.
2-chloro-1-phenylpropane, Production of. A. W. Weston. 2,654,791, Oct. 6.
2-chloroprocaine salt of penicillin O. J. H. Ford. 2,647,894, Aug. 4.
2-cyanoethyl thiolacetate and its preparation. W. W. Crouch and R. T. Werkman. 2,630,448, Mar. 3.
Two-cycle diesel engine. L. C. Wales. 2,635,594, Apr. 21.
Two-cycle internal-combustion engine. H. V. Stewart. 2,639,696, May 26.
Two-cycle internal-combustion engine. L. R. Terry. 2,632,429, Mar. 24.
Two-cycle rear piston compression engine. E. Birnstiel. 2,645,214, July 14.
Two-cycle scavenging internal-combustion engine. E. W. Spannhake. 2,638,081, May 12.
2-cyclohexylamino-4-amino-5-benzylpyrimidine. A. S. Goldberg. 2,649,449, Aug. 18.
Two-directional dynamic braking circuit. S. J. Lesniak. 2,646,541, July 21.
2-ethylamino derivatives of 1,2,3,4-tetrahydronaphtol. J. F. Lontz. 2,654,757, Oct. 6.
2-ethyl butyric acid and 2-ethyl hexoic acid esters of 2,2,4-trimethyl pentane diol-1,3. A. Bell. 2,625,563, Jan. 13.
2-ethyl-hexanol-1 esters of the Friedel-Crafts maleic anhydride-aromatic hydrocarbon adducts and process. P. F. Bruins, E. P. Wilkinson, and E. P. Rittershausen 2,642,455, June 16.
2,5-diamino-2,5-dimethylhexane, Preparing. N. M. Bortnick. 2,632,023, Mar. 17.
2,5-di-(1-amino-4-aroylamino-2-anthraquinonyl)-1,3,4-oxdiazoles and method for their preparation. P. L. Belshaw and F. Irving. 2,629,718, Feb. 24.
2,5-diketopiperazines. H. E. Zaugg, H. Glenn, and M. Freifelder. 2,650,223, Aug. 25.
2,4-bis(methylsulfonyl)-benzeneazo-n-hydroxyalkyl-n-β-cyanoethylaniline compounds. J. B. Dickey and G. J. Taylor. 2,649,440, Aug. 18.
2,4-diamino-5-aryloxy-pyrimidines. G. H. Hitchings, P. B. Russell, and E. A. Falco. 2,657,206, Oct. 27.
2,4-diamino-5-benzyl pyrimidines. G. H. Hitchings and E. A. Falco. 2,658,897, Nov. 10.
2,4-diamino-5-phenoxypyrimidines. G. H. Hitchings, P. B. Russell, and E. A. Falco. 2,658,066, Nov. 3.
2,4-dichlorophenoxyacetic acid, Preparation of. M. Kulka and J. C. R. Warren. 2,656,382, Oct. 20.
2,4-dichlorophenoxyacetic acid, Preparation of. J. C. R. Warren and M. Kulka. 2,651,659, Sept. 8.
2'-(4'-lower alkanoylaminobenzal)-6-acetalamino-hydrazinobenzothiazole-2. L. Katz. 2,659,730, Nov. 17.
2-halogenated tetrahydrothiophene 1,1-dioxides, Preparation of. H. E. Faith. 2,656,362, Oct. 20.
2-haloimino-4-thiazolines. J. T. Gregory. 2,626,950, Jan. 27.
2-(halo-phenyl)-4-thiazolidone-1-dioxides and their preparation. A. R. Surrey. 2,647,906, Aug. 4.
2-hydroxyethylhydrazine, Making. G. Gever and C. J. O'Keefe. 2,660,607, Nov. 24.
2-hydroxyethyl 2-phenylethyl sulfide as a fungicide. J. Dazzi. 2,642,373, June 16.
2-hydroxy-1,6-hexanedial, Preparation of. R. R. Whetstone and S. A. Ballard. 2,639,297, May 19.
2-hydroxy-3,3,3-trichloro-1-aminopropane salt of penicillin. H. W. Rhodehamel, Jr. 2,654,740, Oct. 6.
2-keto pyrimidines. J. M. Sprague and E. M. Schultz. 2,650,921, Sept. 1.
Two member optical objective. W. M. Wrethall. 2,660,094, Nov. 24.
2-methylchlorophenoxyacetate herbicides. F. Talbot and R. T. Foster. 2,637,639, May 5.
2-methyl-3-amino-4, 5-di-hydroxymethylpyridine and its salts and the preparation thereof. R. G. Jones. 2,650,232, Aug. 25.
2-methyl-2,7-dihydroxy octahydrophenanthrene-1-propionic acid and derivatives thereof. R. P. Jacobsen and G. Pincus. 2,648,700, Aug. 11.
2-(N-arylethyl-alkylaminomethyl)-furanes. K. Hoffmann and M. Spillmann. 2,658,905, Nov. 10.
2-norcamphanemethanol and 2-norcamphanemethoxyethanol applied to plants to inhibit fungous growths. J. B. Harry. 2,638,431, May 12.
2-(1,3,3-trimethylbutyl)-5,7,7-trimethyl octanol-1-sulfate A. A. Pavlic. 2,654,722, Oct. 6.
Two-part ball construction, Making a. R. E. Klages 2,625,736, Jan. 20.
Two-pass high-pressure reactor. R. L. Jacks and G. I Carter. 2,646,347, July 21.
2-pyrrolidone-5-carboxamide derivatives and preparing the same. R. B. Angier. 2,651,639, Sept. 8.
Two-row implement. A. A. Schmitz. 2,637,263, May
Two-shoe industrial type brake. A. W. Bedford, Jr., an E. F. Goetz. 2,642,160, June 16.
Two-sided electron-sensitive screen. H. B. Law. 2,633,54 Mar. 31.
Two-sided mosaic, Preparation of. R. L. Rulison a G. K. Teal. 2,641,553, June 9.
Two-sided mosaic, Preparation of. G. K. Teal. 2,650,19 Aug. 25.
2,6-diketopurines, Preparing. A. H. Homeyer. 2,646,43 July 21.
2,6-di-tertiary alkyl quinones and process of preparing same. C. F. H. Allen and D. M. Burness. 2,657,22 Oct. 27.
Two-speed reversible controller. H. J. Framhe 2,639,337, May 19.
Two-stage condenser. F. B. Doyle. 2,643,051, June
Two-stage gas pressure regulator. M. H. Goodn 2,642,701, June 23.
Two stage hammer mill. W. W. West. 2,644,644, July
Two-stage process for the catalytic reforming of gasoli V. Haensel. 2,664,386, Dec. 29.
Two-stage starting system. H. G. Haas. 2,663,8 Dec. 22.
Two-stroke cycle internal-combustion engine. F. Neugebauer. 2,652,817, Sept. 22.
Two-stroke internal-combustion engine. N. I. Basa 2,658,487, Nov. 10.
Two-stroke internal-combustion engine. A. St 2,635,593, Apr. 21.
2-substituted-3-ureido-4-thiazolidones, 1-dioxide derivatives thereof, Preparation of. A. R. Surrey. 2,647,9 Aug. 4.
2-sulfanilamido-5-aminopyrimidine and salts thereof. T. Caldwell. 2,654,753, Oct. 6.
2-sulfobenzoic acid, Preparing. F. B. Erickson. 2,642,4 June 16.

2-thenylformaldimines, Preparation of. H. D. Hartough, 2,652,404, Sept. 15.
2-thiocyano-4, 6-diamino-S-triazine, Preparation of. D. W. Kaiser and J. J. Roemer. 2,649,447, Aug. 18.
2-thiohydantoins containing a carboxyaryl group and preparation. L. G. S. Brooker and F. L. White. 2,649,459, Aug. 18.
2-thiono-5-oxazolidones. G. E. Bennett and J. B. Ott. 2,649,458, Aug. 18.
2-thiopheneserines and their manufacture. E. C. Hermann. 2,662,087, Dec. 8.
2,3-bis-(oxybenzyl)-butane derivatives. I. A. Pearl. 2,644,822, July 7.
2, 3-butadienylamines, Preparing. V. A. Engelhardt. 2,647,147, July 28.
2,3-dichloro-1,3-butadiene by dehydrochlorination of 1,2,3,4-tetrachlorobutane, Preparation of. K. C. Eberly and R. J. Reid. 2,626,964, Jan. 27.
2,3-difluorobutadiene preparation and polymers thereof. P. A. Wiseman. 2,647,110, July 28.
2,3-dimethyl-heptene-2-one-6, Preparing. W. Kimel. 2,662,920, Dec. 15.
2,2-bis-(tertiary butyl peroxy) butane catalyst for ethylene polymerization. T. Boyd. 2,650,913, Sept. 1.
2,2-dimethylpropanediol-1,3 di-(2-ethylhexanoate). A. Bell and B. Thompson. 2,654,775, Oct. 6.
2,2 - diphenyl - 1,3 - propanediol monocarbamate. F. M. Berger and B. J. Ludwig. 2,656,378, Oct. 20.
2-(2-ethylhexyloxy) ethyl N-butyl phthalate and preparing same. J. Dazzi. 2,661,367 Dec. 1.
2-(2'-hydroxy-3'-naphthoylamino)-thiophene. R. S. Long. 2,625,552, Jan. 13.
2,2'-polymethylene-bipiperidine compounds. M. W. Goldberg and L. M. Jampolsky. 2,624,736, Jan. 6.
2,2'-(2,5-lower dialkoxy-p-phenylene)-di-(anthra[2,1] thiazole-6, 11-diones). N. W. Solonen and D. I. Randall. 2,652,400, Sept. 15.
2,2,3,3-tetrachlorobutane, Preparation of. E. C. Ladd and H. Sargent. 2,651,664, Sept. 8.
2,2,3,3-tetrahalo-1,4-butanediol-dibenzoates. O. De Garmo and F. B. Zienty. 2,648,702, Aug. 11.
Two-way adjustable screen. O. E. Lynch. 2,624,405, Jan. 6.
Two-way plow attachment. H. Dotson. 2,656,767, Oct. 27.
Two-way stretch fabric. H. Hirsch. 2,627,173, Feb. 3.
Two-way trunk for pulse conversion systems. H. J. Michael. 2,636,947, Apr. 28.
Two-wire sequence relay. J. B. Cataldo. 2,627,562, Feb. 3.
Type-bar mechanism for typewriting machines. B. M. Daniel. 2,633,962, Apr. 7.
Type bar restraining mechanism for accounting machines. W. A. Anderson. 2,639,088, May 19.
Type forming machine. C. C. Rutbell and J. Lusht. 2,654,317, Oct. 6.
Typeholder for gold stamping machines. L. A. Kingsley. 2,663,252, Dec. 22.
Type-positioning block assembly. C. F. Tilghman. 2,656,791, Oct. 27.
Type-setting device, Hand stamp. G. T. Brown, Jr. 2,646,748, July 28.
Typewriter, Automatic. C. Wittenmyer. 2,633,222, Mar. 31.
Typewriter, Electric. D. Mastini. 2,630,899, Mar. 10.
Typewriter, Electric. A. J. Wohlgemuth. 2,643,753, June 30.
Typewriter front feed attachment. F. J. Kavanaugh. 2,642,975, June 23.
Typewriter guide. C. Dunn. 2,659,978, Nov. 24.
Typewriter key touch controlling means. C. H. Kennedy, Jr. 2,660,285, Nov. 24.
Typewriter, Korean. P. W. Kong. 2,625,251, Jan. 13.
Typewriter line control attachment. B. Sternfeld. 2,626,036, Jan. 20.
Typewriter, Manifolding. J. A. B. Smith. 2,640,576, June 2.
Typewriter mechanism, Rear-strike. H. Johnson. 2,664,184, Dec. 29.
Typewriter page bottom margin indicator. L. C. Jiménez. 2,639,798, May 26.
Typewriter, Power operated. F. W. Schremp. 2,638,199, May 12.
Typewriter retaining bracket. W. H. Ritchie and J. T. Humes. 2,651,483, Sept. 8.
Typewriter warning device. D. B. Brannen. 2,639,021, May 19.
Typing machine, Music. R. H. Keaton. 2,631,712, Mar. 17.
Typographical casting machine. R. H. Turner. 2,639,027, May 19.
Typographical composing machine. P. Hilpman. 2,659,478, Nov. 17.
Typographical composing machine. R. H. Scott and A. S. Hayward. 2,662,636, Dec. 15.
Typographical distributing machine. F. Hahn. 2,639,026, May 19.
Typographical distributing mechanism. W. B. Abbott and P. Hilpman. 2,656,038, Oct. 20.
Typographical machine. J. C. Plastaras. 2,659,479, Nov. 17.
Typographical machine. C. W. Seaward and J. Latorraca. 2,657,790, Nov. 3.
U-link chain for barn cleaners, Demountable. N. Cordis. 2,648,989, Aug. 18.
Ultrahigh-frequency cavity resonator. G. S. Heller. 2,639,327, May 19.
Ultrahigh-frequency converter. W. Y. Pan. 2,653,228, Sept. 22.
Ultrahigh-frequency electric discharge tube. G. Diemer and K. Rodenhuis. 2,663,822, Dec. 22.
Ultrahigh-frequency electron discharge device. N. E. Pryslak and K. M. McLaughlin. 2,647,298, Aug. 4.
Ultrahigh-frequency electron tube. E. Touraton and R. Zwobada. 2,640,112, May 26.
Ultrahigh-frequency generator. J. E. Gibson. 2,626,356, Jan. 20.
Ultrahigh-frequency generator. S. Ramo. 2,653,272, Sept. 22.
Ultrahigh-frequency mixer. S. Roberts. 2,664,502, Dec. 29.
Ultrahigh-frequency oscillation generator. J. F. Bell. 2,663,799, Dec. 22.
Ultrahigh-frequency pulsing system. D. F. Winter. 2,633,536, Mar. 31.
Ultrahigh frequency resonator. A. E. Bowen. 2,660,667, Nov. 24.
Ultrahigh-frequency switch tube. H. Heins. 2,625,668, Jan. 13.
Ultrahigh-frequency tetrode. H. D. Doolittle. 2,646,470, July 21.
Ultrahigh-frequency thermionic valve. J. Bell. 2,640,946, June 2.
Ultrahigh-frequency vacuum tube. E. Touraton and R. Zwobada. 2,660,689, Nov. 24.
Ultra short wave generator having a wide bank of oscillation frequencies. W. Kleen, O. Dohler, and H. Huber. 2,657,314, Oct. 27.
Ultra-short wave transmitting and amplifying tubes. A. Lerbs. 2,633,505, Mar. 31.
Ultrasonic beam shaping device. J. C. Smack. 2,657,319, Oct. 27.
Ultrasonic rail flaw detector search unit. H. C. Drake. 2,628,335, Feb. 10.
Ultrasonic gauge. I. A. Greenwood, Jr., and A. Gordon, Jr. 2,661,714, Dec. 8.
Ultrasonic thickness measuring device. F. E. Pringle, Jr. 2,660,054, Nov. 24.
Ultrasonic transmission testing. W. S. Erwin. 2,655,035, Oct. 13.
Ultrasonic wedge, Reflection absorbing. F. H. Hardie, R. C. Goodman, and H. E. Van Valkenburg. 2,649,550, Aug. 18.
Ultraviolet filter on photographic layers. I. F. Salminen and C. F. H. Allen. 2,632,701, Mar. 24.
Ultraviolet lamp. G. F. Embshoff. 2,625,670, Jan. 13.
Ultraviolet vapor electric discharge device. W. T. Anderson, Jr. 2,659,833, Nov. 17.
Ultra-wide band amplifier tube. C. Sheer. 2,647,175, July 28.
Umbrella. F. Kramer. 2,640,490, June 2.
Umbrella. W. L. Weaklend. 2,633,856, Apr. 7.
Umbrella. J. C. Witty. 2,651,315, Sept. 8.
Umbrella and manufacturing the same. H. Eichenbaum. 2,654,380, Oct. 6.
Umbrella construction. D. M. Cohen. 2,661,011, Dec. 1.
Umbrella construction. E. Diamond. 2,640,450, June 2.
Umbrella fabric clasp. J. J. Cutrone and M. P. Ferrante. 2,624,357, Jan. 6.
Umbrella, Folding. V. Militano. 2,649,103, Aug. 18.
Umbrella, Garden. F. Kampf and W. Uthemann. 2,661,752, Dec. 8.
Umbrella, Inflatable. H. Kaston and T. L. Fawick. 2,625,946, Jan. 20.
Umbrella rib, Folding. P. Schmidt. 2,653,619, Sept. 29.
Umbrella runner cap. B. A. Haydu. 2,635,616, Apr. 21.
Umbrella, Tiltable. V. Militano. 2,649,104, Aug. 18.
Umbrella, Tiltable. V. Militano. 2,661,012, Dec. 1.
Umbrella tip. R. H. Morton. 2,644,475, July 7.
Unbalanced-to-ground two-to-four-wire connection. P. G. Edwards. 2,629,024, Feb. 17.
Uncoupling mechanism for toy railroad cars. J. L. Bonanno. 2,631,739, Mar. 17.
Unctuous graphite, Production of. D. Gardner. 2,655,433, Oct. 13.
Underfilling material for tooth-fillings. A. Knappwost. 2,656,277, Oct. 20.
Underframe, Railway car. K. F. Nystrom and W. R. Yokel. 2,635,559, Apr. 21.
Undergarment. D. Blair. 2,653,322, Sept. 29.
Undergarment. G. Leventhal. 2,628,353, Feb. 17.
Undergarment. G. E. Rutledge. 2,641,257–8, June 9.
Undergarment, Combination. J. H. Hindman. 2,659,893, Nov. 24.
Undergarment, Female. S. Kaufman. 2,647,260, Aug. 4.
Undergarment for infants' wear, Double-breasted. J. L. Wyner and R. R. Scharf. 2,643,386, June 30.
Undergarment, Insulated. M. S. Herzog. 2,637,035, May 5.
Undergarment, Man's. F. Chatfield. 2,639,708, May 26.
Undergarment, Woman's. N. Emerson. 2,651,047, Sept. 8.
Undergarments, Men's. P. Friedman. 2,661,738, Dec. 8.
Underground liquid storage facility and selecting and preparing the same. R. V. Phelps. 2,659,209, Nov. 17.
Underground prospecting system. C. A. Donaldson. 2,657,380, Oct. 27.

Undergrowth destroyer. C. A. Johnson. 2,663,131, Dec. 22.
Underreamer, Rotary. V. Emanuel. 2,630,300, Mar. 3.
Underreaming attachment for tractors. E. M. Garner. 2,624,551, Jan. 6.
Under reaming device. E. L. Carpenter. 2,644,668, July 7.
Underwater screening. E. O. Schneider. 2,638,220, May 12.
Uni-control mechanism for simultaneously adjusting a plurality of tuning elements. A. E. Chelgren. 2,632,109, Mar. 17.
Unicontroller system. R. P. Fox. 2,643,356, June 23.
Unidirectional, rotary variable delivery fluid pump. L. M. Garner and E. S. McConnohie. 2,656,796, Oct. 27.
Uniform dressing of contact rolls. C. H. Boehm. 2,641,872, June 16.
Uniform tension maintaining device. H. Lungstrom. 2,657,866, Nov. 3.
Uniform tensioning device. A. Johnson. 2,640,655, June 2.
Uniformly collapsible tube. M. M. Fink. 2,643,027, June 23.
Union. D. J. Parmesan. 2,646,996, July 28.
Union which permits misalignment. D. J. Parmesan. 2,661,965, Dec. 8.
Unipolarized wave refractor. W. E. Kock. 2,652,493, Sept. 15.
Unit carrier. J. G. Lindeman. 2,648,268, Aug. 11.
Unit electric heater. P. Petersen and A. J. Markuc. 2,645,704, July 14.
Unit for cutting materials by heat. R. W. Fegan. 2,646,494, July 21.
Unit for translating punched card data. G. W. Carlson. 2,661,154, Dec. 1.
Unit heater with draft hood. G. E. Hughes. 2,660,159, Nov. 24.
Unit partition wall construction. E. M. Jenkins and T. L. Acken, Jr. 2,660,270, Nov. 24.
Unitary magnetic pole pieces, Making. W. A. Fletcher and C. L. Clevenger. 2,653,376, Sept. 29.
Unitary portable photographic illumination source. E. R. Farber. 2,624,831, Jan. 6.
Unitary solution control apparatus. J. G. Hodgens, Jr. 2,663,308, Dec. 22.
Uniting polystyrene to other surfaces using styrene monomer adhesives. R. L. Iverson. 2,628,180, Feb. 10.
Uniting solids with the aid of binding and adhesive agents. I. G. C. Dryden and J. H. McKee. 2,652,354, Sept. 15.
Universal bearing. R. T. Reese. 2,654,643, Oct. 6.
Universal connection for electric service cords. R. M. Christner. 2,652,546, Sept. 15.
Universal contour generator. L. P. De Vau and A. F. Baltus. 2,642,660, June 23.
Universal coupling. R. W. Hammarbach. 2,643,528, June 30.
Universal coupling. H. H. Talbot. 2,659,217, Nov. 17.
Universal fender welt. C. D. West. 2,626,164, Jan. 20.
Universal filler with hopper and counter mechanism controlled auger feeder therein. G. D. Mateer. 2,641,384, June 9.
Universal focus sound scanning system. F. N. Gillette. 2,644,470, Dec. 29.
Universal heddle backer for warp drawing machines. C. B. Crandall and F. L. Townsend. 2,627,643, Feb. 10.
Universal indicator gauge. R. C. Bayer. 2,626,462, Jan. 27.
Universal joint. H. B. R. Barbier. 2,646,669, July 28.
Universal joint. N. P. Bedson. 2,645,105, July 14.
Universal joint. L. Boltuch. 2,646,242, July 21.
Universal joint. G. E. Dunn. 2,625,018, Jan. 13.
Universal joint. G. E. Dunn. 2,636,362, Apr. 28.
Universal joint. L. S. Heym. 2,653,456, Sept. 29.
Universal joint. A. J. Quinn. 2,648,207, Aug. 11.
Universal joint. M. Villard. 2,627,734, Feb. 10.
Universal joint. E. Wildhaber. 2,662,381, Dec. 15.
Universal joint. S. G. Wingquist. 2,640,335, June 2.
Universal joint bearing cup holder. F. M. Blakeley. 2,645,258, July 14.
Universal joint bonded boot. E. R. Anderson. 2,629,992, Mar. 3.
Universal joint, especially for locomotives driven by electromotors. P. F. A. von Wolzogen Kühr. 2,636,449, Apr. 28.
Universal leader connection for lures. J. K. Russell. 2,663,963, Dec. 29.
Universal link conveyer chain. E. N. Michna. 2,646,160, July 21.
Universal locating drill press centering apparatus. M. P. Budney. 2,629,268, Feb. 24.
Universal pH indicator. S. Mooradian and H. E. Millson. 2,643,230, June 23.
Universal safety temperature control. R. D. Grayson. 2,650,028, Aug. 25.
Universal sheave block. E. G. Albright, Jr. 2,654,571, Oct. 6.
Universal spinning frame. W. F. Bird and P. T. Bodell. 2,624,075, Jan. 6.
Universal steam trap. A. K. Velan. 2,629,553, Feb. 24.
Universal structural section. E. Kahlstorf. 2,652,764, Sept. 22.
Universal traveling unloader sucker for cotton gins. L. J. Zeig. 2,643,160, June 23.
Universally adaptable frame. R. Gilmont. 2,630,342, Mar. 3.
Universally mounted artificial pneumatic hand. A. Biasi. 2,659,896, Nov. 24.
Unloader attachment for tripe scalders. C. O. Schmidt, Jr. 2,654,458, Oct. 6.
Unloader, Detachable. H. Prang. 2,636,628, Apr. 28.
Unloader for belt conveyers. W. K. Sindzinski and W. F. Hamm. 2,663,403, Dec. 22.
Unloader for fluid compressors. L. H. Browne. 2,638,264, May 12.
Unloader for wicket-type conveyers. W. L. Best and C. H. Lisch, Jr. 2,648,420, Aug. 11.
Unloader valve. J. S. Jaquith. 2,647,530, Aug. 4.
Unloading and relief valve. J. M. and F. H. Towler. 2,655,930, Oct. 20.
Unloading apparatus. A. Fermanian and A. P. Jurnak. 2,634,696, Apr. 14.
Unloading apparatus, Shipping case. A. E. Rideout, E. Ardell, and J. H. Mosley. 2,634,874, Apr. 14.
Unloading apparatus, Shipping tray. E. Ardell. 2,635,773, Apr. 21.
Unloading articles from overhead conveyers, Means for. F. A. Wagner, A. D. Pierce, and J. Gedmin. 2,643,761, June 30.
Unloading device for vehicles. G. L. Kuhl. 2,640,613, June 2.
Unloading extractor. J. B. Sando and W. F. Gayring. 2,639,811, May 26.
Unloading header fitting and strainer. A. W. Rafferty. 2,647,636, Aug. 4.
Unloading means. L. S. Russell. 2,662,650, Dec. 15.
Unloading means for gasoline dispensing pumps. J. A. Logan. 2,625,108, Jan. 13.
Unloading mechanism for farm wagons. C. R. Bradshaw. 2,626,068, Jan. 20.
Unloading mechanism for vehicle boxes. G. J. Recker. 2,627,761, Feb. 10.
Unloading of material. A. Crompton. 2,651,403, Sept. 8.
Unloading stored material and apparatus therefor. J. B. Tiedemann. 2,635,770, Apr. 21.
Unloading system for compressors. C. Yeomans. 2,637,485, May 5.
Unloading system for mines. W. B. Lodge and G. A. Corden. 2,626,721, Jan. 27.
Unloading valve. W. E. Renick. 2,642,887, June 23.
Unloading valve. R. Stevenson. Re. 23,682, July 7.
Unsaturated aldehydes, Manufacture of. H. J. Hagemeyer, Jr. 2,639,295, May 19.
Unsaturated aldehydes, Production of. R. I. Hoaglin and D. H. Hirsh. 2,628,257, Feb. 10.
Unsaturated amides, Preparing. W. E. Grigsby. 2,628,977, Feb. 17.
Unsaturated dimers of alpha-alkyl styrenes, Making. W. S. Thurber. 2,646,450, July 21.
Unsaturated monofluorides, Production of. J. C. Hillyer and J. F. Wilson. 2,634,300, Apr. 7.
Unsaturated nitriles, Preparing. C. J. Albisetti, Jr., and N. G. Fisher. 2,641,607, June 9.
Unsaturated silanes, Preparation of. C. A. MacKenzie and J. B. Rust. 2,628,246, Feb. 10.
Unscrambler for cans. J. and G. P. Albertoli. 2,633,971, Apr. 7.
Unseating structure for rotary plug valves. L. W. Mueller and F. Tratzik. 2,643,089, June 23.
Unstacker. E. A. Verrinder. 2,659,497, Nov. 17.
Unsymmetrical secondary amines, Preparation of. P. L. Du Brow and J. Harwood. 2,627,526, Feb. 3.
Unwinding wound packages from the inside, Method and means for. F. C. Wedler. 2,630,280, Mar. 3.
Unwoven fabric. H. A. Secrist. 2,625,733, Jan. 20.
Up-ending washer. W. S. Luci. 2,636,373, Apr. 28.
Upholstery. J. D. Flynn. 2,637,137, May 5.
Upholstery covering. Y. and E. Wass. 2,659,421, Nov. 17.
Upholstery fastener construction. H. M. Quakenbush. 2,649,898, Aug. 25.
Upholstery supporting means and using the same. S. Benmax. 2,644,510, July 7.
Upright boiler. J. W. Throckmorton and J. S. Wallis. 2,655,137, Oct. 13.
Upset cylinder stroke adjusting nut with self-compensating cam. K. A. Doutt. 2,650,275, Aug. 25.
Upsetting forging machine. W. W. Criley. 2,647,421, Aug. 4.
Uranium bromide, Preparation of. J. E. Powell. 2,635,035, Apr. 14.
Uranium complexes of heterocyclic diketones. H. Schlesinger and H. C. Brown. 2,636,886, Apr. 28.
Uranium tetrafluoride, Production of. A. S. Leah and R. B. Mooney. 2,654,654, Oct. 6.
Uranium tetrafluoride, Production of. A. D. Tevebaugh and F. Vaslow. 2,638,406, May 12.
Urea and/or thiourea-aldehyde-sulfite waste liquor condensation product. R. E. Plump and J. W. Carroll. 2,664,408, Dec. 29.
Urea complexes. L. C. Fetterly. 2,634,261, Apr. 7.
Urea-olefin complexes. E. Gorin. 2,642,423, June 16.
Urea synthesis. D. H. White. 2,632,771, Mar. 24.
Urinal construction. L. A. Chambers. 2,648,33 Aug. 11.
Urinal, Odorless. E. R. Gillespie. 2,646,574, July 2
Urinal, Portable. J. F. Wright. 2,628,617, Feb. 17.
Urinalysis device. W. Goodman. 2,639,979, May 26.
Urn, Beverage. S. J. Raiteri. 2,638,839, May 19.

Utensil, Cooking. O. M. Burkhardt. 2,626,726, Jan. 27.
Utensil, Cooking. O. M. Burkhardt. 2,637,463, May 5.
Utensil, Cheese slicing. H. L. Nelson. 2,649,658, Aug. 25.
Utensil, Culinary. J. B. Thomas. 2,643,907, June 30.
Utensil, Double boiler cooking. O. F. Jordan. 2,637,459, May 5.
Utensil for cooking tacos. S. M. Luna. 2,627,222, Feb. 3.
Utensil for food and beverage preparation by heat, Portable. T. Stiebel. 2,651,706, Sept. 8.
Utensil, Frying. V. P. Torres. 2,635,528, Apr. 21.
Utensils, Heat storing cooking. A. F. Flournoy. 2,640,478, June 2.
Utensil holder. H. B. Heuer. 2,658,707, Nov. 10.
Utensil, Kitchen. W. A. Sherbondy. 2,634,692, Apr. 14.
Utensil, Scooping and measuring. W. R. Brevetti. 2,638,668, May 19.
Utensil splatter lid, Cooking. R. E. Misener, J. W. Abbott, S. E. Clarke, and H. P. Woodruff. 2,664,169, Dec. 29.
Utensil support for campfires. F. C. Caples. 2,633,318, Mar. 31.
Utility and spectacle case. M. K. Cramer. 2,652,089, Sept. 15.
Utility attachment for automobile steering wheels. F. Berman. 2,663,576, Dec. 22.
Utility burner. A. E. D'Harlingue. 2,632,087, Mar. 17.
Utility case. P. A. Diehl. 2,636,662, Apr. 28.
Utility case. H. Warren. 2,634,836, Apr. 14.
Utility chair. T. L. Richter and E. L. Rudzki. 2,630,161, Mar. 3.
Utility frame or supporting unit. P. D. Rice. 2,626,118, Jan. 20.
Utility holder for automobiles. H. J. Reeder. 2,640,596, June 2.
Utility loader. V. P. Broussard. 2,659,494, Nov. 17.
Utility master power unit. N. C. Labriola and G. Adamec. 2,652,690, Sept. 22.
Utility rack. A. Sherer. 2,636,432, Apr. 28.
Utility service clamp. W. S. Corey. 2,660,200, Nov. 24.
Utility sick-call case. R. G. Reising. 2,656,915, Oct. 27.
Utility unit for electric appliances and the like. J. E. Milander and J. W. Gaba. 2,654,056, Sept. 29.
Utilizer for garbage disposals, Waste water. M. L. Stafford. 2,637,855, May 12.
Utilizing radioactive materials for generating electrical energy, Method of and apparatus for. E. G. Linder. 2,651,730, Sept. 8.
V-beam height indicator. H. P. Stabler. 2,646,563, July 21.
V belt. A. L. Freedlander. 2,642,751, June 23.
V belt and belt section, Articulated friction. H. Ogard. 2,663,194, Dec. 22.
V belt and making same. R. R. Riel and R. A. Claussen. 2,628,505, Feb. 17.
V belt clutch. D. Firth. 2,634,620, Apr. 14.
V belt, Cog type. E. Nassimbene. 2,625,828, Jan. 20.
V belt cutting machine. E. J. Lomazzo. 2,660,243, Nov. 24.
V-belt power transmission, Centrifugally controlled variable speed. A. R. Clark. 2,651,210, Sept. 8.
V-belt sheave. F. W. Browning. 2,633,751, Apr. 7.
V-belt sheave, Variable pitch. W. I. Pixley. 2,633,752, Apr. 7.
V-belt transmission, Variable-speed. G. W. Curtis. 2,648,987, Aug. 18.
V belt with improved fastener means. J. W. Rice. 2,649,631, Aug. 25.
V belts, Manufacture of. C. W. Leguillon. 2,647,280, Aug. 4.
V groove sheave. D. Tann. 2,645,131, July 14.
V-6 engine. J. Doiza, G. Burrell, E. B. Sherrick, and R. Schilling. 2,632,340, Mar. 24.
V-type connector belts, Making. W. E. Huber. 2,661,045, Dec. 1.
Vaccine and manufacturing the same. A. H. Killinger and J. R. Dick. Re. 23,746, Dec. 1.
Vacuo-pneumatic apparatus for separating vegetables, fruits, and/or other bodies. W. T. Pfister. 2,664,197, Dec. 29.
Vacuum and pressure indicator. H. H. Pickron. 2,646,683, July 28.
Vacuum applicator, Foot actuated. V. C. Valencia. 2,649,091, Aug. 18.
Vacuum attachment fixture. L. W. Van Dusen. 2,634,077, Apr. 7.
Vacuum breaker. J. J. Cantor. 2,655,171, Oct. 13.
Vacuum breaker. J. J. Fillfung. 2,663,309, Dec. 22.
Vacuum breaker for water supply systems. L. C. Leventhal. 2,646,815, July 28.
Vacuum cap remover, Pry type. F. A. Cassiere and J. N. Damore. 2,624,220, Jan. 6.
Vacuum casting apparatus. J. H. Moore. 2,625,719, Jan. 20.
Vacuum cleaner. J. B. Kirby. 2,648,396, Aug. 11.
Vacuum cleaner. R. C. Lampe. 2,635,708, Apr. 21.
Vacuum cleaner. G. E. Lofgren, R. C. Lampe, and J. T. Ferraris. 2,641,330, June 9.
Vacuum cleaner. C. E. Meyerhoefer. 2,639,001, May 19.
Vacuum cleaner. C. E. Meyerhoefer. 2,645,303, July 14.
Vacuum cleaner brush mounting. F. S. Howard. 2,657,418, Nov. 3.
Vacuum cleaner cart. C. D. Reece. 2,636,207, Apr. 28.
Vacuum cleaner for propulsion by flexible hose, Roller mounted. E. P. Senne. 2,632,524, Mar. 24.
Vacuum cleaner furniture guard. F. S. Howard. 2,648,090, Aug. 11.
Vacuum cleaner head with handle controlled valve. T. W. Ott. 2,659,099, Nov. 17.
Vacuum cleaner implement and handle coupling. D. I. Doyle, Sr. 2,659,616, Nov. 17.
Vacuum cleaner, Including a bottom closure member. F. S. Howard. 2,657,417, Nov. 3.
Vacuum cleaner mechanism responsive to thermal effects of filter bag filling. E. P. Senné. 2,625,239, Jan. 13.
Vacuum cleaner nozzle and combing tooth construction therefor. O. M. Anderson. 2,626,419, Jan. 27.
Vacuum cleaner nozzle, Dual purpose. L. C. Smith. 2,656,560, Oct. 27.
Vacuum cleaner nozzle with removable brush attachment. A. A. Forsberg. 2,659,924, Nov. 24.
Vacuum cleaner with bag ejector. L. P. Borkoski and R. C. Lampe. 2,642,151, June 16.
Vacuum cleaner with motor and handle mounted on trunnions. E. P. Turner. 2,633,597, Apr. 7.
Vacuum cleaner with motor and handle pivoted on casing. E. P. Turner and C. J. Stockburger. 2,633,596, Apr. 7.
Vacuum cleaning machine. H. C. Keen. 2,643,732, June 30.
Vacuum cleaning water separator. M. de J. Ortega. 2,649,927, Aug. 25.
Vacuum controlling device for an engine carburetor. R. Willim. 2,627,850, Feb. 10.
Vacuum cooling system employing chamber surface condensation. M. W. Beardsley. 2,634,591, Apr. 14.
Vacuum corn husking unit. R. P. Morrison. 2,664,090, Dec. 29.
Vacuum die-casting. R. [illegible]Plott. 2,637,882, May 12.
Vacuum distillation, Process and apparatus for. W. B. Whitney. 2,647,862, [illegible]. 4.
Vacuum filling stem. I. [illegible] Risser. 2,639,077, May 19.
Vacuum fixture. L. W. [illegible]n Dusen. 2,634,076, Apr. 7.
Vacuum floor tool. D. R. Wood. 2,659,925, Nov. 24.
Vacuum hair removal system for barber shops. R. A. Coult. 2,641,790, June 16.
Vacuum method and device for cooling produce. M. Kasser. 2,651,184, Sept. 8.
Vacuum operated pump. H. W. Osburn. 2,630,102, Mar. 3.
Vacuum powder feeder. F. E. Stirn and A. S. Taylor. 2,644,617, July 7.
Vacuum pulsating exercising apparatus. J. P. Riley. 2,626,601, Jan. 27.
Vacuum pump. H. G. Bowering. 2,628,770, Feb. 17.
Vacuum pump. M. E. Johnson. 2,639,085, May 19.
Vacuum seal. S. P. Newberry, Jr. 2,647,774, Aug. 4.
Vacuum seal. E. Schwarz. 2,639,833, May 26.
Vacuum sealing machine for packages. M. Moses and R. L. Peach. 2,630,955, Mar. 10.
Vacuum spark control. J. A. Doyen. 2,646,781, July 28.
Vacuum spotting board. F. H. Richterkessing. 2,657,566, Nov. 3.
Vacuum stack for milk driers, Forced draft. G. E. Shaw. 2,644,391, July 7.
Vacuum storage unit for ground coffee. R. L. Decker. 2,662,664, Dec. 15.
Vacuum street cleaner. M. A. Elliotte. 2,663,894, Dec. 29.
Vacuum switch. F. W. Hottenroth. 2,653,629, Sept. 29.
Vacuumtight seal, Demountable. R. G. Picard. 2,627,580, Feb. 3.
Vacuum tube voltmeter. E. W. Yetter. 2,624,770, Jan. 6.
Vacuum vaporization-condensation cooling system. M. W. Beardsley. 2,634,592, Apr. 14.
Vaginal insert. G. Kulick. 2,638,093, May 12.
Valance, Window and door. J. B. Williams. 2,636,557, Apr. 28.
Valeric acid derivatives. K. Klager. 2,640,072, May 26.
Valise with permutation lock. A. V. Pietri. 2,637,194, May 5.

Valve: *See*—
Adjustable stroke lubricant dispensing valve.
Adjustable weight biased relief valve.
Aerodynamic valve.
Air compressor tank drain valve.
Alternate tipping valve.
Antidribble valve.
Antifreezing and nonpolluting water valve.
Antisiphonic and sound-reducing valve.
Antisyphon valve.
Automatic air bleed valve.
Automatic blow-down valve.
Automatic cutoff valve.
Automatic fluid transfer valve.
Automatic gathering valve.
Automatic high-pressure valve.
Automatic hydraulic safety valve.
Automatic lubricated plug valve.
Automatic reset restriction valve.
Automatic shutoff valve.
Automatic tank valve.
Automatic water valve.
Automatic well flow valve.
Automatically operated valve.
Auxiliary operated pressure relief valve.
Auxiliary pressure relief, vacuum relief, and dump valve.
Axially movable plug valve.
Back pressure safety valve.
Backwater valve.
Balanced plug valve.
Balanced valve.
Brake cylinder release valve.
Breather valve.
Burner control valve.
Butterfly valve.
By-pass thermostatic valve.
By-pass valve.
Centrifugally operated valve.
Changeover valve.
Check valve.
Cleanout gate valve.
Clutch piston safety valve.

Valve: *See*—Continued.
Combination fueling and relief valve.
Combination pressure relief, vacuum relief, and dump valve.
Combination vacuum and solenoid operated valve.
Compressible tube valve.
Control valve.
Corrosion resistant valve.
Coughing valve.
Cylinder valve.
Delayed-action pulsator valve.
Desilting valve.
Diaphragm operated pressure regulating valve.
Diaphragm valve.
Differential pressure operated valve.
Directional valve.
Dispensing and mixing valve.
Dispensing valve.
Diverter valve.
Double acting valve.
Drain and flush valve.
Drain valve.
Drinking fountain valve.
Dry pipe valve.
Duplex valve.
Electrically operated gas lift valve.
Electromagnetic valve.
Electromagnetically actuated valve.
Electromagnetically controlled valve.
Emergency shutoff valve.
Emergency valve.
Equalizing and mixing valve.
Excess flow cutoff valve.
Exhalation valve.
Filling machine valve.
Flexible gate valve.
Flexible sleeve iris valve.
Float-controlled valve.
Float valve.
Floor furnace valve.
Flow control valve.
Flow diversion valve.
Flow dividing valve.
Flow equalizer valve.
Flow valve.
Fluid actuated snap-acting gate valve.
Fluid actuated valve.
Fluid control valve.
Fluid distributing valve.
Fluid flow dual port control valve.
Fluid metering shutoff valve.
Fluid pressure control valve.
Fluid pressure-operated valve.
Fluid pressure responsive feed control valve.
Fluid pressure valve.
Fluid return valve.
Fluid shut-in valve.
Fluid valve.
Flush tank valve.
Flush valve.
Flushing valve.
Four-way changeover valve.
Four-way valve.
Fuel control safety valve.
Fuel pump delivery valve.
Gas control valve.
Gas lift valve.
Gas safety valve.
Gas shutoff valve.
Gas tank cap valve.
Gas valve.
Gasoline tank truck valve.
Gate valve.
Goggle valve.
Helical spring valve.
High-pressure valve.
Hot and cold water mixing valve.
Hydraulic actuated valve.
Hydraulic control valve.
Hydraulic eductor valve.
Hydraulic shutoff valve.
Hydraulic valve.
Hydraulic vent valve.
Hydraulically operated reinforced collapsible valve.
Indicating check valve.
Insert type thermostatic expansion valve.
Intermittent fuel injection valve.
Irrigation valve.
Jacketed valve.
Leak valve.
Leakproof irrigation valve.
Leakproof valve.
Lever hose sand valve.
Life plug valve.
Light valve.
Liquid control valve.
Liquid dispensing solenoid valve.
Liquid filling valve.
Load compensated transfer valve.
Locking stem adjustment valve.
Low rate oil flow valve.
Magnetic check valve.
Magnetic pilot valve.
Magnetically biased fluid pressure responsive valve.
Magnetically controlled packless valve.
Manual and automatic valve.
Manual multiway valve.
Manually and fluid-pressure operated valve.
Manually operated pinch valve.
Maximum pressure control valve.
Mechanically operated check valve.
Mercury sealed valve.
Mixing and dispensing valve.
Mixing valve.
Multiple control valve.
Multiple valve.
Multiport valve.
Multiway valve.
Packless valve.
Pilot controlled fluid pressure operated valve.
Pilot controlled pressure relief valve.
Pilot operated free return resistance valve.
Pilot operated quick opening control valve.
Pilot operated regulating valve.
Pilot operated relief valve.
Pilot operated time controlled gate valve.
Pilot-operated valve.
Pilot valve controlled motor valve.
Piston actuated sleeve type relief valve.
Pivoted self-aligning valve.
Pivoted stop valve.
Plural solenoid electromagnetic valve.
Poppet valve.
Poultry waterer regulating valve.
Pressure actuated throttle valve.
Pressure cooker valve.
Pressure governed time valve.
Pressure indicating and relief valve.
Pressure operated collapsible valve.
Pressure operated valve.
Pressure reducing valve.
Pressure regulator valve.
Pressure regulating valve.
Pressure relief valve.
Pressure responsive cutoff valve.
Pressure sealed valve.
Pressure selector valve.
Protector valve.
Pump unloading valve.
Push-pull control valve.
Quick closing valve.
Quick-opening valve.
Quick sealing automatic sealing gate valve.
Ram-jet launching sequence fuel flow control valve.
Reducing valve.
Refrigerant expansion valve.
Refrigeration controlling valve.
Regulator valve.
Release valve.
Relief, sequence, and unloader valve.
Relief valve.
Remote control metering valve.
Remotely controllable crankcase drain valve.
Reverse cycle valve.
Rotary and reciprocating multiple valve.
Rotary plug type valve.
Rotary valve.
Rotating spool servo valve.
Rubber tire valve.
Saddle valve.
Safety control fuel valve.
Safety cutoff valve.
Safety gas valve.
Safety shutoff valve.
Safety valve.
Sealed valve.
Self-closing and slow-closing valve.
Self-closing valve.
Self-protecting valve.
Self-throttling valve.
Sequence valve.
Service line protection valve.
Servomotor control valve.
Shutoff valve.
Shuttle valve.
Silent valve.
Single handle thermostatic mixing valve.
Smooth opening automatic lubricated gate valve.
Solenoid hydraulic control valve.
Solenoid valve.
Valve. C. H. Armstrong. 2,642,254, June 16.
Valve. M. Berland and M. Spiegler. 2,648,517, Aug. 11.
Valve. C. C. Brown. 2,630,178, Mar. 3.
Valve. C. C. Brown. 2,642,140, June 16.
Valve. I. V. Brumbaugh. 2,626,160, Jan. 20.
Valve. A. W. Catlin. 2,642,259, June 16.
Valve. J. R. Clark, Jr., and R. W. James. 2,650,793, Sept. 1.
Valve. L. W. Clover. 2,625,950, Jan. 20.
Valve. C. W. Conrad. 2,639,882, May 26.
Valve. R. T. Cornelius. 2,653,005, Sept. 22.
Valve. B. L. Eastman. 2,633,154, Mar. 31.
Valve. R. Eichenberg. 2,653,789, Sept. 29.
Valve. D. N. Evans. 2,625,362, Jan. 13.
Valve. A. J. and I. F. Fausek. 2,657,704, Nov. 3.
Valve. D. S. D. Fraser. 2,629,606, Feb. 24.
Valve. C. A. Glauque. 2,662,721, Dec. 15.
Valve. H. A. Gillerstrom and R. O. Canning. 2,657,709, Nov. 3.
Valve. P. J. Givens. 2,633,326, Mar. 31.
Valve. W. J. Habgood. 2,640,676, June 2.
Valve. G. Hansen. 2,644,664, July 7.
Valve. C. K. Huthsing. 2,654,396, Oct. 6.
Valve. C. G. A. Johnson, Jr. 2,631,907, Mar. 17.
Valve. J. M. Johnson. 2,642,262, June 16.
Valve. F. J. Lange and F. H. Temple. 2,626,775, Jan. 27.
Valve. O. H. Ludeman. 2,637,520, May 5.
Valve. W. D. Ludwig. 2,638,122, May 12.
Valve. D. K. MacBain. 2,640,491, June 2.
Valve. C. E. Monnich. 2,645,242, July 14.
Valve. S. O. Morrison. 2,652,071, Sept. 15.
Valve. F. H. Mueller. 2,653,791, Sept. 29.
Valve. E. K. Nickerson. 2,638,124, May 12.
Valve. H. J. Persha. 2,661,758, Dec. 8.
Valve. J. P. Rudolph. 2,629,576, Feb. 24.
Valve. G. C. Singer. 2,662,554, Dec. 15.
Valve. W. H. Skewis. 2,642,890, June 23.
Valve. T. A. Stehlin. 2,642,256, June 16.
Valve. C. W. Tyson. 2,646,065, July 21.
Valve. W. H. Warstler. 2,651,985, Sept. 15.
Valve. H. C. Waterman. 2,642,077, June 16.
Valve. W. A. Werker and J. Steenfeld. 2,659,570, Nov. 17.
Valve. J. G. Wood and A. V. Jackson. 2,627,259, Feb. 3.
Valve actuating and latching mechanism. J. J. Acosta. 2,658,717, Nov. 10.
Valve actuating linkage, Toilet ball. L. K. Edwards. 2,627,608, Feb. 10.
Valve actuating mechanism. M. J. Berlyn. 2,644,436, July 7.
Valve actuating mechanism. C. W. Bryant. 2,624,644, Jan. 6.
Valve actuating mechanism. W. Mizen. 2,638,926, May 19.
Valve actuating mechanism and assemblage. V. D. Hennessey. 2,633,872, Apr. 7.
Speed- and acceleration-responsive valve.
Speed control valve.
Spherical valve.
Spray gun valve.
Spring closed pivoted gate liquid loading valve.
Spring loaded pop-safety valve.
Spring loaded safety valve.
Spring-plate valve.
Stuffer valve.
Suction regulating valve.
Tamperproof plug valve.
Telescoping bored-plug subcirculation valve.
Temperature control valve.
Temperature released check valve.
Thermostatic control valve.
Thermostatic mixing valve.
Thermostatic valve.
Throttle valve.
Time-modulated two-stage hydraulic valve.
Timed valve.
Tire pressure relief valve.
Toilet flush tank float valve.
Toilet flush valve.
Toilet tank flush valve.
Tool controlling fluid valve.
Transfer check valve.
Ultrahigh-frequency thermionic valve.
Unloader valve.
Unloading and relief valve.
Unloading valve.
Variable stroke cushioned valve.
Vent valve.
Water regulator valve.
Water temperature control valve.

Valve actuation, Sequential and differential. E. R. Derrington. 2,633,860, Apr. 7.
Valve actuator. A. O. Carpenter and C. E. Blank. 2,648,314, Aug. 11.
Valve actuator for flush tanks, Inlet. R. W. Stambaugh. 2,641,275, June 9.
Valve adapted for float operation. O. A. Carnahan. 2,632,622, Mar. 24.
Valve adjustment, Metering. H. A. Carlson. 2,654,389, Oct. 6.
Valve and actuating means for fluid motors. P. B. Damgaard. 2,635,585, Apr. 21.
Valve and adjustment mechanism therefor, Refrigeration expansion. E. J. Dillman and T. E. Noakes. 2,663,502, Dec. 22.
Valve and electromagnetic control therefor, Gas. R. B. Matthews. 2,637,343, May 5.
Valve and indicator construction, Pilot. E. G. Schmidt and J. E. Svabek, Jr. 2,652,851, Sept. 22.
Valve and method of controlling fluid flow, Loading. R. M. Conklin and H. W. Herring. 2,642,086, June 16.
Valve and pressure compensator, Parking brake. P. L. Torrence. 2,633,711, Apr. 7.
Valve and pressure gauge. R. T. Cornelius. 2,635,630, Apr. 21.
Valve and pressure indicating means for pressure cookers, Relief. W. A. Welden. 2,649,775, Aug. 25.
Valve and pump for metering out material for capsulating machines and the like. R. E. Moule. 2,638,052, May 12.
Valve and seat for slush pumps. R. E. Craven. 2,640,677, June 2.
Valve and signal, Automatic changeover. A. L. Arey and T. A. St. Clair. 2,630,821, Mar. 10.
Valve and stem with reinforcing flange, Integral. H. J. Rand. 2,659,566, Nov. 17.
Valve and suction cutoff mechanism. B. S. Harrington. 2,649,996, Aug. 25.
Valve and system, Hydraulic control. R. S. Miller and G. W. Sinclair. 2,639,693, May 26.
Valve and the like, Float. K. E. Ericsson and E. G. A. Geber. 2,652,852, Sept. 22.
Valve and valve operating mechanism therefor, Gate. C. E. Palmer. 2,626,774, Jan. 27.
Valve apparatus. G. A. Colton. 2,646,064, July 21.
Valve apparatus. C. E. Gifford and C. B. Howse. 2,630,291, Mar. 3.
Valve applicable to fuel gas mains, Pressure relief. B. A. Freeman. 2,647,534, Aug. 4.
Valve arrangement on centrifugal condensers and coolers, Special. P. Goldmann. 2,649,698, Aug. 25.
Valve assembly. L. E. Brown. 2,638,116, May 12.
Valve assembly. P. Engstrum. 2,652,857, Sept. 22.
Valve assembly. B. B. Gilmore. 2,628,569, Feb. 17.
Valve assembly. G. R. Rich. 2,647,501, Aug. 4.
Valve assembly. R. A. Troy. 2,661,765, Dec. 8.
Valve assembly. E. D. Watson and J. D. Creek. 2,624,587, Jan. 6.
Valve assembly. A. Wexler and G. T. Cunningham. 2,655,936, Oct. 20.
Valve assembly, Antifreeze. R. M. Henderson. 2,650,611, Sept. 1.
Valve assembly, Balanced rotary. J. Hess. 2,634,087, Apr. 7.
Valve assembly, Centrifugal. R. H. Condell. 2,635,617, Apr. 21.
Valve assembly, Dispenser. I. H. Fooshee. 2,658,714, Nov. 10.
Valve assembly, Drum. J. R. Snyder. 2,661,018, Dec. 1.
Valve assembly, Faucet. H. M. Koons. 2,636,711, Apr. 28.
Valve assembly, Feeder pail. J. M. Coyner. 2,628,591, Feb. 17.
Valve assembly, Fluid motor vent check. A. L. Robb. 2,635,619, Apr. 21.
Valve assembly, Multiple. T. A. St. Clair. 2,625,016, Jan. 13.
Valve assembly, Pilot controlled multiple. H. A. Phillips. 2,641,281, June 9.
Valve assembly, Pressure relief. R. B. Kinzbach. 2,655,935, Oct. 20.
Valve assembly with continuous annular sealing means, Butterfly. F. G. Muller. 2,657,896, Nov. 3.
Valve bag. R. F. Bennett. 2,651,451, Sept. 8.
Valve bag. C. H. Hartman. 2,635,803, Apr. 21.
Valve body comprising one or more apertures provided in the wall thereof, Cylindrical. J. W. L. Köhler and A. A. Liebe. 2,657,899, Nov. 3.
Valve body, Plug. C. B. Johnson. 2,649,274, Aug. 18.
Valve closing mechanism for water closets. A. E. Blair. 2,626,399, Jan. 27.
Valve closing mechanism, Time controlled. A. M. Bloom. 2,653,659, Sept. 29.
Valve closure, Detachable. R. L. Burchett. 2,657,563, Nov. 3.
Valve closure member. C. A. Glauque. 2,632,624, Mar. 24.
Valve construction. E. R. Bernight. 2,650,579, Sept. 1.
Valve construction. A. U. Bryant. 2,630,326, Mar. 3.
Valve construction. A. U. Bryant. 2,661,762, Dec. 8.
Valve construction. E. N. Burnett. 2,642,894, June 23.
Valve construction. A. Eckstein. 2,626,635, Jan. 27.
Valve construction. E. I. Ghormley. 2,624,542, Jan. 6.
Valve construction. M. H. Grove and A. U. Bryant. 2,659,568, Nov. 17.
Valve construction, Flexible tube discharge. S. Kahn. 2,645,387, July 14.
Valve construction, Fluid. T. R. Smith. 2,635,846, Apr. 21.
Valve construction, Fluid motor. T. M. Hardesty. 2,645,208, July 14.
Valve construction, Furnace. J. L. Roof. 2,655,363, Oct. 13.
Valve construction, Iris type. R. C. Barbato. 2,649,272, Aug. 18.
Valve construction, Mixing. R. M. Lottes. 2,642,893, June 23.
Valve construction, Pulse jet motor fuel inlet. W. I. E. Kamm, W. F. Krautter, and K. Staiger. 2,657,708, Nov. 3.
Valve control. H. O. Kron. 2,634,623, Apr. 14.
Valve control apparatus. A. S. Parks. 2,638,110, May 12.
Valve control arrangement, Blower. E. B. Lear. 2,643,640, June 30.
Valve control, Diaphragm. S. G. Eskin and R. C. Main. 2,661,013, Dec. 1.
Valve control, Diaphragm. R. C. Main. 2,652,110, Sept. 15.
Valve control, Flow. N. S. Herod and L. R. O'Neill. 2,628,638, Feb. 17.
Valve control for air hoses and the like, Automatic emergency. A. Johnson and A. S. Page. 2,661,764, Dec. 8.
Valve control for hydraulic circuits, Gyroscopic. E. C. Wade. 2,642,885, June 23.
Valve control means. D. J. Munson. 2,630,138, Mar. 3.
Valve control means responsive to failure of either of two sources of fluid pressure, Automatic. A. Stadler. 2,638,928, May 19.
Valve control mechanism. J. T. Lusignan, Jr. 2,651,325, Sept. 8.
Valve control mechanism for air guns. J. L. Junkin. 2,634,717, Apr. 14.
Valve control, Motor-driven. H. O. Kron. 2,629,264, Feb. 24.
Valve control outlet hydrant, Multiple. G. H. Martin. 2,627,277, Feb. 3.
Valve control unit, Multiple. E. J. Perrin. 2,631,665, Mar. 17.
Valve control volume booster system, Pneumatic. H. L. Bowditch and A. R. Catheron. 2,638,875, May 19.
Valve controlled muffler with a plurality of through passages. P. B. Fina. 2,625,234, Jan. 13.
Valve cooling assembly, Exhaust. C. W. Galuska. 2,656,826, Oct. 27.
Valve core for pneumatic tire valve stems. C. H. Mayer. 2,625,170, Jan. 13.
Valve cylinder head for internal-combustion engines, Multiple. G. Pielstick. 2,647,499, Aug. 4.
Valve device, Fluid pressure control. D. R. Borst. 2,637,341, May 5.
Valve device for burners, Safety reset. W. F. Jackson. 2,658,515, Nov. 10.
Valve device for fluid pressure systems or the like, Electromagnetic control. J. B. Parsons. 2,633,871, Apr. 7.
Valve device for gas burners and the like, Safety. G. Saper-Sztejn. 2,649,777, Aug. 25.
Valve device for joint control of windshield cleaners and washers. E. C. Horton. 2,632,471, Mar. 24.
Valve device for well tools, Pressure compensated. B. Kriegel. 2,647,583, Aug. 4.
Valve device, Operator's fluid pressure control. A. J. Bent. 2,630,828, Mar. 10.
Valve device, Pressure control. A. J. Bent. 2,637,340, May 5.
Valve device, Pressure reducing. J. L. Gratzmuller. 2,635,392, Apr. 21.
Valve device, Quick-acting. D. J. Price. 2,625,178, Jan. 13.
Valve device with pressure, Tire inflator. A. R. Moffett. 2,635,623, Apr. 21.
Valve device, Safety. E. Paille. 2,636,505, Apr. 28.
Valve drive for piston valve and sleeve valve steam engines, Outside. H. M. Arnold. 2,641,230, June 9.
Valve fitting for spray bar outlets, Universal. H. A. Cartwright. 2,631,893, Mar. 17.
Valve for advancing trailer brake operation. E. R. Price. 2,634,742, Apr. 14.
Valve for air brake systems and the like, Safety. E. L. Kell. 2,638,308, May 12.
Valve for air brake systems, Safety shutoff. D. Badami. 2,633,147, Mar. 31.
Valve for air compressor systems, Control. M. J. Cady. 2,649,241, Aug. 18.
Valve for air lines, Automatic drain. E. J. Whalen. 2,627,869, Feb. 10.
Valve for air operated machinery, Control. B. Ferguson. 2,636,517, Apr. 28.
Valve for automatic weighing mechanisms, Shutoff. F. C. Genco. 2,640,630, June 2.
Valve for braking systems, Tractor protection. E. R. Fitch and T. J. Turek. 2,645,308, July 14.
Valve for branch pipe lines, Automatic control. H. G. Fleischhauer. 2,641,280, June 9.
Valve for busses, Auxiliary control. H. T. Seale. 2,656,016, Oct. 20.
Valve for carburetor gaskets, Air control. C. F. Christie. 2,642,089, June 16.

Valve for centralized lubricating systems, Measuring. T. R. Juettner. 2,630,882, Mar. 10.
Valve for centralized lubricating systems, Reversing. F. G. Schweisthal. 2,632,465, Mar. 24.
Valve for container washers. W. H. Sohn. 2,646,244, July 21.
Valve for continuous boiler blowdown. J. W. Kaye. 2,654,395, Oct. 6.
Valve for controlling flow of gas for a burner and its pilot. E. H. Mueller. 2,633,933, Apr. 7.
Valve for controlling fluid flow by variation in electric current. L. C. Meyer. 2,662,550, Dec. 15.
Valve for controlling fluid to a plurality of devices. J. B. Brown. 2,624,361, Jan. 6.
Valve for controlling gas. E. H. Mueller. 2,627,417, Feb. 3.
Valve for controlling high pressure fluids. F. S. Carver. 2,646,959, July 28.
Valve for controlling the flow of solids laden liquid, Plug. N. L. Davis. 2,652,175, Sept. 15.
Valve for controlling the flow of suspended solids, Slide. J. E. Hoopes. 2,631,759, Mar. 17.
Valve for crankcase ventilators, Automatic drain. D. S. Nusbaum. 2,652,819, Sept. 22.
Valve for dispensing apparatus and the like, Collapsible. D. A. McCowan. 2,652,222, Sept. 15.
Valve for dispensing measured quantities, Dispensing. F. Tribbitt. 2,658,648, Nov. 10.
Valve for drill strings, Removable drop-in type back-pressure. H. T. Miller. 2,656,151, Oct. 20.
Valve for engine powered brake mechanism. A. C. Raffa. 2,634,750, Apr. 14.
Valve for faucets, Mixture control. P. Hagen. 2,648,350, Aug. 11.
Valve for fire hydrants, Main. R. H. Mueller and E. E. Cline. 2,630,823, Mar. 10.
Valve for flow lines, Automatic tank. J. A. McCartney. 2,660,188, Nov. 24.
Valve for fluid heating systems, Temperature responsive relief. F. H. Mueller and E. E. Tinker. 2,642,229, June 16.
Valve for fluid motors, Piston actuated. T. F. Dreyer. 2,658,485, Nov. 10.
Valve for fluid pressure systems, Unloading. J. J. Slomer. 2,661,755, Dec. 8.
Valve for fluid systems, Control. W. G. Nolcken. 2,663,998, Dec. 29.
Valve for fuel burners, Automatic cutoff. B. Douvan. 2,641,314, June 9.
Valve for fuel burners, Automatic safety. W. A. Ray. 2,653,622, Sept. 29.
Valve for fuel tank pressurizing system, Automatic low pressure venting and signaling check. W. F. MacGlashan, Jr. 2,640,529, June 2.
Valve for gas appliances, Graduated universal. I. V. Brumbaugh. 2,650,612, Sept. 1.
Valve for gas appliances with interconnected sleeve, Graduated universal. I. V. Brumbaugh. 2,650,614, Sept. 1.
Valve for gas appliances with ported sleeve, Graduated universal. I. V. Brumbaugh. 2,650,610, Sept. 1.
Valve for gas appliances with slitted sleeve, Graduated universal. I. V. Brumbaugh. 2,650,613, Sept. 1.
Valve for gas masks, Exhaust. G. M. Glidden. 2,655,175, Oct. 13.
Valve for gas pressure cylinders. P. M. Riede. 2,645,241, July 14.
Valve for heavy duty sandblast hose, Remote control. H. A. Greiser. 2,641,087, June 9.
Valve for hose lines. C. L. Nelson. 2,662,546, Dec. 15.
Valve for hot bearing indicating systems, Detector. C. K. Steins and W. M. Keller. 2,655,166, Oct. 13.
Valve for hydraulic actuating cylinders, Control. L. E. Baldwin. 2,641,279, June 9.
Valve for hydraulic motor control systems, Fluid-metering. C. B. Livers and A. A. Meddock. 2,632,470, Mar. 24.
Valve for hydraulic motors, By-pass. C. E. Deardorff. 2,646,025, July 21.
Valve for hydraulic motors, Locking. C. E. Deardorff and J. B. Gunn. 2,648,346, Aug. 11.
Valve for hydraulic motors, Stroke-limiting control. C. B. Livers. 2,664,106, Dec. 29.
Valve for hydraulic pumps, Automatic unloading. J. M. and F. H. Towler. 2,655,169, Oct. 13.
Valve for hydraulic systems, Control. M. Unterman. 2,664,105, Dec. 29.
Valve for hydraulic systems, Shock absorbing check. H. E. Cluphf. 2,643,090, June 23.
Valve for hydrostatic pumps, Servo-control. J. P. Polouektoff. 2,650,542, Sept. 1.
Valve for leak patching device for pipe lines. M. P. Morris. 2,655,946, Oct. 20.
Valve for lubricant temperature regulating systems. L. B. Nemmer and C. J. O'Brien. 2,650,767, Sept. 1.
Valve for master cylinders, Check. A. F. Erickson. 2,663,540, Dec. 22.
Valve for metal-cutting machines, Impact. J. Anderson. 2,634,756, Apr. 14.
Valve for milking systems. R. E. Reeve. 2,640,497, June 2.
Valve for portable irrigation pipes, Automatic drain. E. E. Wittner and R. M. Sherman. 2,646,059, July 21.
Valve for pot type oil burners, Float. A. B. Newton. 2,634,746, Apr. 14.
Valve for power transmissions. D. B. Gardiner. 2,633,861, Apr. 7.
Valve for pressure cooking vessels, Pressure-relief. M. Keller. 2,631,607, Mar. 17.
Valve for pressure fluid systems, Automatic shutoff. C. Betancourt and L. L. Corchero. 2,664,101, Dec. 29.
Valve for pressure liquids, Reduction. H. G. A. Akerlind. 2,662,349, Dec. 15.
Valve for pumps and the like, Pilot operated relief. J. R. Albright. 2,639,725, May 26.
Valve for pumps, Automatic transfer. J. B. Gunn. 2,633,153, Mar. 31.
Valve for railroad cars, Auxiliary brake control. T. James, Jr. 2,653,849, Sept. 29.
Valve for railway air brake systems, Manual release. J. T. Wade. 2,635,925, Apr. 21.
Valve for refrigerating installations, Regulating. H. J. Jörgensen. 2,654,976, Oct. 13.
Valve for refrigeration cars, Drain. L. B. Burr. 2,631,683, Mar. 17.
Valve for regulating the flow of solids, Slide. C. W. Lubbock. 2,636,712, Apr. 28.
Valve for rotatable receptacles, Centrifugally operated. T. R. Smith. 2,656,700, Oct. 27.
Valve for shock absorbers. E. L. Martin. 2,637,337, May 5.
Valve for sound-on-film recording, Crystal light. R. Dressler and A. A. Chesnes. 2,649,507, Aug. 18.
Valve for spray nozzles, Antidrip. F. W. Wahlin. 2,639,194, May 19.
Valve for steam-driven feed pumps, Antiracing. E. W. Henkel. 2,630,758, Mar. 10.
Valve for steam engines, Delayed opening poppet. H. M. Arnold. 2,641,438, June 9.
Valve for television systems, Light. W. P. Mason. 2,632,048, Mar. 17.
Valve for toilet tanks, Flushing. J. Castellano. 2,626,400, Jan. 27.
Valve for tractor trailer brake systems, Relay. C. B. Fites. 2,656,014, Oct. 20.
Valve for variable pitch propellers, Governor. C. M. Jedrziewski. 2,636,566, Apr. 28.
Valve for water closet tanks, Flushing. J. M. Teahen. 2,632,895, Mar. 31.
Valve for water conditioning devices. V. J. Palmer and J. S. Judell. 2,663,314, Dec. 22.
Valve for water dispensers, Float. J. Continenza. 2,663,312, Dec. 22.
Valve for water treating apparatus, Selector. J. F. Sebald. 2,646,072, July 21.
Valve for windshield cleaners, Remote-controlled. A. Rappl. 2,648,352, Aug. 11.
Valve gear for Diesel engines. H. Lang. 2,647,500, Aug. 4.
Valve gear length compensation. R. C. Russell. 2,624,324, Jan. 6.
Valve guard, Tire. M. N. Borodie. 2,631,065, Mar. 10.
Valve guide device, Flush. A. O. Stader. 2,632,182, Mar. 24.
Valve guide driver. J. Sunnen. 2,640,256, June 2.
Valve guide, Flush. J. B. Alliss. 2,650,369, Sept. 1.
Valve handle. F. H. Hehemann. 2,635,482, Apr. 21.
Valve handle structure, Lift-turn. R. A. Whitlock, Jr. 2,633,325, Mar. 31.
Valve having a resilient sheet metal rotor, Shutoff or selector. H. Noyes. 2,649,275, Aug. 18.
Valve having adjustable valve-opening limit means, Manual. E. Ojalvo. 2,634,758, Apr. 14.
Valve having differential hydraulic mechanism, Fluid metering. C. B. Livers. 2,632,472, Mar. 24.
Valve having its inlet and outlet in alignment, Pressure relief. G. J. Schoessow. 2,643,673, June 30.
Valve lift rod guide, Flush. A. Rand. 2,644,951, July 14.
Valve lifter leak-down tester, Hydraulic. F. C. Burrell. 2,635,464, Apr. 21.
Valve lifting mechanism, Hydraulic. E. Lossau. 2,635,544, Apr. 21.
Valve manifold, Relief. L. D. Turner. 2,645,243, July 14.
Valve means for aerosol spray dispensers. J. B. Reswick. 2,643,914, June 30.
Valve means, Fluid. S. C. Chessman. 2,645,450, July 14.
Valve means for controlling the filling and draining of tanks. R. H. Davies. 2,630,822, Mar. 10.
Valve means for two-cycle reciprocating engines, Sleeve. H. N. Fiser. 2,646,779, July 28.
Valve mechanism. G. W. Allen. 2,654,392, Oct. 6.
Valve mechanism. N. A. Christensen. 2,642,087, June 16.
Valve mechanism. H. R. Gamble. 2,632,621, Mar. 24.
Valve mechanism. C. Johnson. 2,664,266, Dec. 29.
Valve mechanism. P. B. Levitt and T. Anderson. 2,631,573, Mar. 17.
Valve mechanism. L. G. Lindsay. 2,625,166, Jan. 13.
Valve mechanism. L. G. Lindsay. 2,632,461, Mar. 24.
Valve mechanism. H. W. Price and E. E. Hupp. 2,648,311, Aug. 11.
Valve mechanism. R. C. Russell. 2,642,050, June 16.
Valve mechanism, Control. P. Audemar. 2,634,743, Apr. 14.
Valve mechanism, Control. C. F. Ball and R. T. Hair. 2,654,382, Oct. 6.
Valve mechanism, Control. R. J. Hopkins. 2,654,383, Oct. 6.
Valve mechanism, Float operating inlet control. J. J. Albright, Jr. 2,631,602, Mar. 17.

Valve mechanism, Flushing. R. W. and C. R. Skutt. 2,636,184, Apr. 28.
Valve mechanism for beverage dispensing devices. J. D. Gerken and H. V. Madden. 2,657,835, Nov. 3.
Valve mechanism for controlling the operation of pneumatic devices and the like, Air. G. M. Walraven and R. G. Knudsen. 2,642,848, June 23.
Valve mechanism for dispensing gases and liquids under pressure. R. H. Abplanalp. 2,631,814, Mar. 17.
Valve mechanism for fluid pressure operated rotary or turret type laundry presses, Fluid control. R. P. Gudgeon. 2,636,292, Apr. 28.
Valve mechanism for fluid pressure systems, Drain. A. W. Hall. 2,662,544, Dec. 15.
Valve mechanism for hydraulic motors, Control. C. E. Adams. 2,641,228, June 9.
Valve mechanism for pressure dispenser. J. H. Countryman. 2,643,799, June 30.
Valve mechanism for reciprocating fluid motors. H. T. Dinkelkamp. 2,637,304, May 5.
Valve mechanism for reciprocating pistons, Snap action. R. E. Meyers. 2,626,527, Jan. 27.
Valve mechanism, Magnetic float-controlled. M. Resek and H. Kiefer. 2,636,508, Apr. 28.
Valve mechanism, Oscillating. C. F. Carter. 2,642,215, June 16.
Valve mechanism, Pilot controlled reversing. W. W. Paget. 2,638,923, May 19.
Valve mechanism, Pinch. V. W. Farris. 2,659,387, Nov. 17.
Valve mechanism, Pressure regulating. L. P. Benua, J. L. Coulter, and R. H. Orthoefer. 2,645,885, July 21.
Valve mechanism, Self-adjusting. R. C. Russell. 2,642,051, June 16.
Valve mechanism utilizing varying fluid pressures, Fluid operated filling. R. Détrez. 2,663,479, Dec. 22.
Valve mechanism with oil collecting device. R. E. J. Nordquist. 2,640,586, June 2.
Valve member, Coated. R. Fortune. 2,638,309, May 12.
Valve of molded resilient material, One-piece check. K. A. Klingler. 2,644,663, July 7.
Valve of the poppet type, Relief. E. H. Leffler. 2,661,016, Dec. 1.
Valve oiling mechanism, Engine. C. Kaufman. 2,627,319, Feb. 3.
Valve operating apparatus. A. Latour. 2,657,710, Nov. 3.
Valve operating arrangement, Flush. J. J. Filliung. 2,635,691, Apr. 21.
Valve operating arrangement, Flush. I. H. Russell. 2,633,141, Mar. 31.
Valve operating attachment for garment pressing machines, Buck steam. H. Kolker. 2,629,947, Mar. 3.
Valve operating in response to temperature changes, Automatic. W. A. Ray. 2,664,246, Dec. 29.
Valve operating means, Drain. L. K. Watkins. 2,657,398, Nov. 3.
Valve operating mechanism. J. A. Hopwood. 2,647,532, Aug. 4.
Valve operating mechanism. R. C. Russell. 2,642,048, June 16.
Valve operating mechanism. C. H. Schowalter. 2,631,576, Mar. 17.
Valve operating mechanism. H. J. Shafer. 2,630,829, Mar. 10.
Valve operating mechanism for controlling the steam events in steam engines. H. G. Mueller. 2,630,788, Mar. 10.
Valve operating mechanism, Lockable. C. Morey. 2,636,515, Apr. 28.
Valve operating mechanism, Pressure fluid actuated. H. J. Shafer. 2,652,033, Sept. 15.
Valve operating mechanism, Seed hopper. E. C. Voss. 2,661,956, Dec. 8.
Valve operating mechanism, Throttle. C. E. Kenney. 2,658,484, Nov. 10.
Valve operation compensating mechanism. R. C. Russell. 2,642,049, June 16.
Valve operator, Cone. R. Bacchi. 2,650,503, Sept. 1.
Valve or rectifier, Crystal. T. H. Kinman. 2,633,489, Mar. 31.
Valve or the like, Filling. J. A. Hjulian, F. D. Cotterman, and G. E. Hansen. 2,650,059, Aug. 25.
Valve or the like, Tamperproof. W. J. Bowan and W. E. Gould. 2,653,790, Sept. 29.
Valve, particularly for lubricating systems, One-way. G. Nemetz. 2,646,066, July 21.
Valve plate, Dry rectifier. A. Arvidsson. 2,647,226, July 28.
Valve-plug unit for drain assemblies. J. W. McGarry 2,649,592, Aug. 25.
Valve plunger, Lubricated. F. H. Mueller and E. W. Lowe. 2,631,812, Mar. 17.
Valve position indicator. J. Hanson. 2,646,767, July 28.
Valve pot cover with independent gasket sealing adjustment, Metal-to-metal seated. G. E. Campbell. 2,649,988, Aug. 25.
Valve precise positioning device, Pneumatic. H. L. Bowditch. 2,661,725, Dec. 8.
Valve regulator control, Presetting and quick operating. C. Y. Strong. 2,642,083, June 16.
Valve removal wrench. R. Fennema and G. E. Hansen. 2,641,052, June 9.
Valve removing tool. D. Dyck. 2,632,238, Mar. 24.
Valve replacement unit. H. H. Kistner. 2,658,715, Nov. 10.
Valve reseater. A. L. Kaplan. 2,632,984, Mar. 31.
Valve rotating assembly. M. F. Thorne. 2,624,323, Jan. 6.
Valve rotating device. E. K. Ralston. 2,648,319, Aug. 11.
Valve rotating device. A. W. Zmuda and T. H. Mitzelfeld. 2,660,990, Dec. 1.
Valve rotating device. A. W. Zmuda. 2,664,075, Dec. 29.
Valve rotator, Exhaust. M. V. Dadd and P. L. Vermaire. 2,664,076, Dec. 29.
Valve sealing element. N. Basbark. 2,660,398, Nov. 24.
Valve seat. S. F. Martineau. 2,626,776, Jan. 27.
Valve seat and strainer, Combination. J. B. McKenna. 2,633,149, Mar. 31.
Valve seat assembly. F. E. Carter. 2,631,577, Mar. 17.
Valve seat for dishwashers. C. Hollerith. 2,628,063, Feb. 10.
Valve seat reamer. A. C. Brookey. 2,639,642, May 26.
Valve seat reconditioning tool. F. G. Livingston and O. B. Harmes. 2,636,325, Apr. 28.
Valve selector and actuator for fluid flow manifolds. P. C. Tulumello and D. Franceschi. 2,639,729, May 26.
Valve shop cabinet. G. C. Wilhide. 2,646,329, July 21.
Valve silencer and shock resistor unit. A. M. Schmidt. 2,625,919, Jan. 20.
Valve spring keeper inserter, Split. J. Vold. 2,645,005, July 14.
Valve spring lifter. E. M. Arthur. 2,656,597, Oct. 27.
Valve spring surge damping and valve rotating device. C. A. Rasmussen and R. T. Doughty. 2,653,587, Sept. 29.
Valve stem assembly, Packless. L. B. Courtot. 2,630,290, Mar. 3.
Valve stem vacuum seal. G. E. Hansen. 2,635,903, Apr. 21.
Valve structure. L. G. Daniels. 2,626,123, Jan. 20.
Valve structure. J. N. Gladden. 2,645,451, July 14.
Valve structure. W. P. Green. 2,639,116, May 19.
Valve structure. F. H. Johnson. 2,658,523, Nov. 10.
Valve structure. J. W. McGarry. 2,648,349, Aug. 11.
Valve structure. F. H. Mueller and W. J. Bowan. 2,642,257, June 16.
Valve structure. W. A. Ray. 2,639,727, May 26.
Valve structure. I. R. Versoy. 2,626,625, Jan. 27.
Valve structure, Float. S. Samaras. 2,663,311, Dec. 22.
Valve structure for gas burners. H. L. Giwosky. 2,629,394, Feb. 24.
Valve structure for semisolid products. M. C. Luterick. 2,629,577, Feb. 24.
Valve structure, Hydraulically balanced gate. W. A. Ray. 2,664,267, Dec. 29.
Valve structure, Liquid spraying. H. F. Tomasek. 2,632,585, Mar. 24.
Valve structure, Thermostatic. J. H. Grayson. 2,656,983, Oct. 27.
Valve system, Adjustable pressure hydraulic. F. G. Cizek. 2,636,500, Apr. 28.
Valve system for hydraulic master cylinders, Skirt. B. Neumann. 2,645,087, July 14.
Valve system, Hydraulic. H. W. Avery. 2,649,107, Aug. 18.
Valve system, Hydraulically actuated supply and exhaust. R. Stevenson. 2,628,635, Feb. 17.
Valve tappet adjusting screw. H. R. Bethke. 2,646,780, July 28.
Valve testing apparatus. J. F. Kaney. 2,637,197, May 5.
Valve timer. H. J. Weeks. 2,629,437, Feb. 24.
Valve unit. P. E. Schmid. 2,636,513, Apr. 28.
Valve unit, Lighter. P. I. Holliman. 2,639,765, May 26.
Valve unit, Multiple. R. Lapsley and G. L. Turner. 2,643,674, June 30.
Valve unit, Replacement. J. L. Waite. 2,634,944, Apr. 14.
Valve unit, Solenoid controlled. J. B. Parsons. 2,644,121, June 30.
Valve with auxiliary threaded stem support, Screw actuated. C. A. Davis. 2,643,849, June 30.
Valve with capillary drain tube, Automatic hygroscopic air vent. W. J. Woolley. 2,642,078, June 16.
Valve with diagonal O-ring seal, Angle. F. H. Mueller. 2,631,002, Mar. 10.
Valve with foot actuated control. H. Anderson. 2,649,116, Aug. 18.
Valve with head space providing means, Filling. C. E. Kerr. 2,645,401, July 14.
Valve with indexing and locking devices, Rotary. W. Robinson. 2,634,949, Apr. 14.
Valve with lubricant vent, Lubricated. G. R. Ericson and R. A. Shields. 2,628,808, Feb. 17.
Valve with lubricant vent, Lubricated. G. R. Ericson and R. A. Shields. 2,630,294, Mar. 3.
Valve with manual reset means, Excess flow check. O. L. Garretson. 2,656,850, Oct. 27.
Valve with multiple actuating means, Stem-sealed. L. A. Lakso. 2,663,318, Dec. 22.
Valve with plug mating a flanged nonmetallic sealing element, Check. C. R. Sacchini. 2,653,792, Sept. 29.
Valve with removable bushing and packing structure, Multiway piston. S. M. Kipp. 2,661,182, Dec. 1.
Valve with removable seat. R. A. Mueller and R. L. Crain. 2,654,563, Oct. 6.
Valve with resilient pressure actuated seal. C. H. Folmsbee. 2,657,897, Nov. 3.

Valve with rigidly connected reciprocating valves, Measuring. J. H. Donnelly. 2,659,518, Nov. 17.
Valve with self-anchoring seal. T. R. Smith. 2,654,560, Oct. 6.
Valve with self-contained stem centering device. W. E. Johns. 2,634,086, Apr. 7.
Valve with sequential rotating and tilting opening and closing movements, Butterfly. R. H. Dougherty. 2,655,942, Oct. 20.
Valve with stem sealing arrangement. F. H. Van Nest. 2,657,005, Oct. 27.
Valve with supplemental cam actuator, Check. C., B., and J. Jay. 2,641,437, June 9.
Valve with turbulent flow. H. J. Rand. 2,659,388, Nov. 17.
Valve with twistable sleeve. J. A. Lovington. 2,657,004, Oct. 27.
Valve with yieldable face. H. J. Rand. 2,659,567, Nov. 17.
Valved cleaning tool for suction cleaners. E. L. Snyder. 2,624,064, Jan. 6.
Valved pipe coupling. A. T. Scheiwer. 2,646,994, July 28.
Valved pipe coupling. A. T. Scheiwer. 2,648,548, Aug. 11.
Valveless pulse jet engine. J. L. Stuart. 2,639,580, May 26.
Valves for internal combustion engines. C. G. Bieber and W. F. Sumpter. 2,664,354, Dec. 29.
Valvulotome. B. Richter. 2,655,154, Oct. 13.
Vane assembly for contact column, Detachable. B. Bartolucci. 2,649,291, Aug. 18.
Vane controlled stabilizing rigging for aircraft landing skids. F. J. Ditter. 2,625,350, Jan. 13.
Vane for separators, Stripping. E. W. Smith. 2,643,736, June 30.
Vane generating machine. G. F. Wislicenus and P. C. Zumbusch. 2,637,248, May 5.
Vane motor center post loading device. W. E. Diefenderfer and A. N. Allen, Jr. 2,628,685, Feb. 17.
Vane track for hydrodynamic machines. W. Ferris. 2,646,003, July 21.
Vane tracks for hydrodynamic machines, Making. W. Ferris. 2,627,650, Feb. 10.
Vane type fluid clutch. A. T. Vance. 2,627,331, Feb. 3.
Vane type fluid motor. J. A. Lasater. 2,633,105, Mar. 31.
Vane type hydraulic motor. O. E. Rosaen. 2,636,481, Apr. 28.
Vane type thermal switch. P. Sitzer. 2,641,666, June 9.
Vaned member, Making a. D. V. Stellin. 2,638,019, May 12.
Vanillic acid diethylamide. K. Kratzl and E. Kvasnicka. 2,641,612, June 9.
Vanillimino ethyl ether and its salts of anhydrous acids. I. A. Pearl. 2,644,830, July 7.
Vanillin and its homologues, Manufacture of. J. Kamlet. 2,640,083, May 26.
Vanity. M. B. Pike. 2,628,625, Feb. 17.
Vanity case. H. C. Lerner and R. Neuschül. 2,635,613, Apr. 21.
Vapor detector. C. S. Presenz. 2,654,845, Oct. 6.
Vapor detector, Electrical. P. D. Zemany. 2,652,532, Sept. 15.
Vapor electric device. R. J. Ballard. 2,653,266, Sept. 22.
Vapor-electric device. J. L. Boyer. 2,663,811, Dec. 22.
Vapor-electric device. J. L. Boyer and A. P. Colaiaco. 2,663,824, Dec. 22.
Vapor electric device. J. L. Boyer and L. A. Kilgore. 2,632,870, Mar. 24.
Vapor electric device cathode. G. Lewin and E. A. Goldman. 2,640,171, May 26.
Vapor feeding device for internal-combustion engines. C. A. Humphries. 2,652,815, Sept. 22.
Vapor-from-liquid separator apparatus. T. Ravese and E. V. Bentley. 2,648,397, Aug. 11.
Vapor generator. L. H. Coykendall. 2,639,695, May 26.
Vapor generator. H. H. Hemenway and J. F. Thunstrom. 2,641,233, June 9.
Vapor generator. W. T. Moore. 2,647,495, Aug. 4.
Vapor heated roll. W. T. R. Kinraide and W. C. Eberlin. 2,643,099, June 23.
Vapor liquid contact apparatus. W. W. Kraft. 2,646,977, July 28.
Vapor phase corrosion inhibition of metals. A. Wachter and N. Stillman. 2,643,177, June 23.
Vapor-phase corrosion inhibitor. A. Wachter and N. Stillman. 2,629,649, Feb. 24.
Vapor phase inhibitors of corrosion. A. Wachter and N. Stillman. 2,630,368, Mar. 3.
Vapor phase production of beta-methylmercaptopropionaldehyde. M. E. Cunningham and L. K. Beach. 2,626,282, Jan. 20.
Vapor recompression system. W. H. Farnsworth. 2,660,236, Nov. 24.
Vapor recovery system for fuel tanks. G. C. Doelter. 2,640,627, June 2.
Vapor separating pump. M. L. Edwards. 2,660,120, Nov. 24.
Vapor trap. W. S. Goff. 2,637,335, May 5.
Vapor trap. W. S. Goff. 2,658,517, Nov. 10.
Vaporization and combustion process for hydrocarbon distillates. E. C. Hyatt, L. L. Lyon, Jr., and W. R. Swanson. 2,661,271, Dec. 1.
Vaporizer. M. A. Bilofsky and C. W. Putnam. 2,662,159, Dec. 8.
Vaporizer and charge therefor. F. W. Schmitz. 2,624,925, Jan. 13.
Vaporizer, Annular. R. G. Meschino. 2,635,426, Apr. 21.
Vaporizer, Dual-purpose. S. Duberstein. 2,624,924, Jan. 13.
Vaporizer for gas turbine engines, Annular fuel. R. G. Meschino. 2,646,664, July 28.
Vaporizer, Liquid. V. J. Lee. 2,642,637, June 23.
Vaporizer unit and tray. A. S. Allen. 2,645,607, July 14.
Vaporizing the liquid portions of the fuel charge of internal-combustion engines, Means for. C. E. Summers. 2,633,114, Mar. 31.
Var measuring device. A. J. Petzinger. 2,648,821, Aug. 11.
Variable attenuator. M. C. Waltz. 2,630,491, Mar. 3.
Variable camber wing. N. A. Carhart and E. F. Stoner. 2,650,047, Aug. 25.
Variable capacitor tube. W. C. Freeman, Jr. 2,652,518, Sept. 15.
Variable delivery pump. M. W. Huber. 2,664,047, Dec. 29.
Variable displacement fluid apparatus. A. R. Parilla and A. Peters. 2,633,802, Apr. 7.
Variable drive, Automatic. M. Telgman. Re. 23,728, Oct. 27.
Variable electric filter. G. L. Grisdale. 2,635,143, Apr. 14.
Variable electronic capacitance device. P. H. Peters, Jr. 2,629,050, Feb. 17.
Variable escapement. R. Gréa, R. Higonnet, and L. M. Moyroud. 2,636,588, Apr. 28.
Variable escapement for typewriters. F. W. Schremp. 2,648,418, Aug. 11.
Variable flow fluid displacement rotor. E. J. Sanders. 2,626,744, Jan. 27.
Variable frequency response galvanometer. A. D. Richardson. 2,657,358, Oct. 27.
Variable high-voltage electrical condenser. R. P. Guttermann. 2,639,315, May 19.
Variable inductance and mounting means therefor. A. G. Lazzery. 2,657,365, Oct. 27.
Variable inductance comparator. P. A. Drouin. 2,640,966, June 2.
Variable inductance for measuring motion. R. S. Childs. 2,650,352, Aug. 25.
Variable inductance structure. E. O. Keizer. 2,645,718, July 14.
Variable intermediate frequency transformer. A. Eberhardt. 2,648,825, Aug. 11.
Variable outlet gas burner. P. F. Swenson and M. F. Pravda. 2,664,153, Dec. 29.
Variable pitch feeder. L. J. Nowak, Jr. 2,652,954, Sept. 22.
Variable pitch propeller. W. M. Voyce. 2,625,999, Jan. 20.
Variable pitch pulley. J. Janow. 2,641,138, June 9.
Variable pitch screw propeller articulated blade mounting. R. Doussain, R. Bousson, and L. Perrier. 2,660,252, Nov. 24.
Variable power steering gear. L. S. Parker. 2,648,233, Aug. 11.
Variable pressure system. R. E. Moore. 2,648,389, Aug. 11.
Variable-ratio power transmitting apparatus. J. A. Thompson and H. F. Hobbs. 2,654,381, Oct. 6.
Variable resistance control device. A. M. Daily and M. B. Arisman. 2,659,793, Nov. 17.
Variable resistance device. W. H. Budd. 2,628,298, Feb. 10.
Variable resistance device. S. R. Greene. 2,660,652, Nov. 24.
Variable resistance device. W. R. Jack, and L. D. Cahill. 2,644,064, June 30.
Variable resistance distributed seismometer. R. W. Olson. 2,626,381, Jan. 20.
Variable resistance element. N. Pritikin and H. Weinstein. 2,632,831, Mar. 24.
Variable resistor and actuator therefor. A. M. Daily and J. G. Veatch, Jr. 2,661,415, Dec. 1.
Variable resonant structure. W. L. Carlson. 2,641,708, June 9.
Variable sensitivity control device and circuit for use therein. P. T. Semm. 2,650,986, Sept. 1.
Variable speed alternating current motor. S. Noodleman and A. G. Wise. 2,664,534, Dec. 29.
Variable-speed drive. R. Rieth. 2,633,545, Mar. 31.
Variable speed drive means for printing of short texts in rotary printing machines. L. J. Chambon. 2,663,256, Dec. 22.
Variable speed gear. E. Levin. 2,630,021, Mar. 3.
Variable speed governing mechanism with modifier. M. Frenkel. 2,656,173, Oct. 20.
Variable speed hydraulic clutch. J. R. Thomas. 2,658,595, Nov. 10.
Variable-speed induction motor. R. G. Metzner. 2,636,154, Apr. 21.
Variable-speed mechanism. F. D. Dickas. 2,630,718, Mar. 10.
Variable-speed remote control for valves. R. R. Curtis and E. J. Kimm. 2,648,351, Aug. 11.
Variable speed rotary fluid coupling. C. A. Oding. 2,649,690, Aug. 25.
Variable speed transmission. D. S. Horne and J. W. MacDonald. 2,660,069, Nov. 24.

Variable stroke cushioned valve. D. W. Hopkins. 2,646,074, July 21.
Variable stroke multipiston pump. R. E. Anderson. 2,625,887, Jan. 20.
Variable stroke power actuator. G. J. Peterson. 2,656,681, Oct. 27.
Variable vacuum and pressure rotary pump. W. T. Daniels. 2,639,855, May 26.
Variable voltage device. J. L. Montgomery. 2,653,206, Sept. 22.
Variable voltage drive. A. R. J. Helot. 2,660,699, Nov. 24.
Variable volume rotary pump. T. E. Mahlon. 2,630,759, Mar. 10.
Varicose vein stripper with flexible guide leader. W. J. Devine and B. J. Carroll. 2,661,003, Dec. 1.
Varying the circumference of printing cylinders, Means for. W. W. De Lano. 2,659,306, Nov. 17.
Vase, Concealed cemetery. J. Weaver, Jr. 2,638,717, May 19.
Vat dye and intermediate. «W. Schmidt-Nickels. 2,648,676, Aug. 11.
Vat dyestuff. K. A. J. Chamberlain. 2,636,034, Apr. 21.
Vat dyestuff. J. Koch and W. Kern. 2,657,221, Oct. 27.
Vat, Whisky aging. R. B. Gibson. 2,657,629, Nov. 3.
Vault, Burial. J. A. Rench. 2,655,714, Oct. 20.
Vault conditioner with control means. A. Trask. 2,661,603, Dec. 8.
Vault construction, Burial. H. D. Richardson. 2,658,253, Nov. 10.
Vault, Underground fireproof. F. W. Dean. 2,629,349, Feb. 24.
Vector sight. F. A. Lyon. 2,642,662, June 23.
Vegetable digger. H. J. Ruetenik. 2,629,216, Feb. 24.
Vegetable oils and preparing the same, Winter. H. D. Royce. 2,646,356, July 21.
Vehicle: *See*—
Banking automotive vehicle.
Child's convertible vehicle.
Collapsible wheeled vehicle.
Convertible vehicle.
Drop bottom dumping vehicle.
Figure simulating toy vehicle.
Garbage vehicle.
Locomotive rail vehicle.
Magnetic toy vehicle.
Material collecting vehicle.
Material haulage vehicle.
Mine haulage vehicle.
Mine service vehicle.
Musical toy vehicle.
Railway motor vehicle.
Rectifier-powered vehicle.
Refrigerated compartmentalized vehicle.
Remote control toy vehicle.
Revolving seat juvenile vehicle.
Rider propelled toy vehicle.
Spring propelled toy vehicle.
Streamlined corridor vehicle.
Telescoping tower vehicle.
Three-wheeled motor vehicle.
Tower vehicle.
Toy vehicle.
Vehicle actuated gate. F. S. Sefcovic. 2,648,149, Aug. 11.
Vehicle advertising. A. A. Adler and H. J. Gerber. 2,632,970, Mar. 31.
Vehicle and coupling therefor, Trailer. G. Bratlien. 2,628,846, Feb. 17.
Vehicle article holder. H. Pletscher. 2,634,527, Apr. 14.
Vehicle auxiliary light. C. A. Michel, H. C. Mead, J. H. Diedring, and E. L. Barcus. 2,655,592, Oct. 13.
Vehicle axle supporting device. J. D. Cochin. 2,654,444, Oct. 6.
Vehicle barrier. M. R. Harris. 2,655,225, Oct. 13.
Vehicle body connection, Articulated. M. Reverberi. 2,645,517, July 14.
Vehicle body construction. W. D. Appel. 2,664,308, Dec. 29.
Vehicle body construction. C. F. Kramer. 2,624,614, Jan. 6.
Vehicle body construction, Automotive. J. L. Thompson. 2,626,180, Jan. 20.
Vehicle body construction, Juvenile. H. L. Kraeft. 2,633,378-9, Mar. 31.
Vehicle body convertible into an article-carrying body. E. F. Kaiser and D. B. Hammond. 2,647,788, Aug. 4.
Vehicle body of chassisless type, Road. J. R. Stanfield and T. K. Garrett. 2,645,519, July 14.
Vehicle body pillar and trim assembly. E. C. Pickard. 2,639,938, May 26.
Vehicle brake lining wear indicator. E. A. Branschofsky. 2,636,090, Apr. 21.
Vehicle collision indicator. L. V. Wilson. 2,646,016, July 21.
Vehicle comprising an auto-airplane combination. J. H. Hanssen. 2,624,530, Jan. 6.
Vehicle direction signal. L. Twist. 2,642,489, June 16.
Vehicle door control, Automotive. B. J. Craig. 2,629,453, Feb. 24.
Vehicle door latch. C. Brown. 2,640,720, June 2.
Vehicle door lock. G. A. Smith. 2,649,321, Aug. 18.
Vehicle door lock. R. H. Wise. 2,624,604, Jan. 6.
Vehicle door surface protecting shield. N. E. Tedder. 2,636,209, Apr. 28.
Vehicle drier. E. B. Kennison. 2,663,951, Dec. 29.
Vehicle drive mechanism. B. W. Keese. 2,647,597, Aug 4.
Vehicle driving axle and hanger assembly and manufacturing the same, Juvenile. A. P. Douglas and L. J. Walters. 2,633,371, Mar. 31.
Vehicle engine cooling system utilizing air ejector pump to induce flow of additional cooling air. J. H. Leggett and F. C. Morris. 2,625,009, Jan. 13.
Vehicle for children, Collapsible. D. W. Gill. 2,642,924, June 23.
Vehicle for cutting marine growth. W. L. Chauvin. 2,635,406, Apr. 21.
Vehicle for invalids. W. L. Pettijohn. 2,630,332, Mar. 3.
Vehicle for timber transport. L. Isachsen. 2,661,235, Dec. 1.
Vehicle for transporting velocipedes. S. B. Hawkins. 2,628,847, Feb. 17.
Vehicle frame mounting means, Motor. D. K. Chowning. 2,643,897, June 30.
Vehicle frame structure, Articulated motor. C. R. Paton. 2,633,203, Mar. 31.
Vehicle framing, Railway. A. M. Schieler and E. C. Jackson. 2,640,443, June 2.
Vehicle having offset radiator and tire located adjacent thereto. B. Walker. 2,641,500, June 9.
Vehicle heater. S. J. Budlane. 2,643,062, June 23.
Vehicle hitch. C. Schwartz. 2,635,890, Apr. 21.
Vehicle hoist. C. E. Alexander. 2,636,619, Apr. 28.
Vehicle indicator optical projection device. A. I. Mihalakis. 2,641,159–60, June 9.
Vehicle intermittent combustion type power plant. F. M. Christian. 2,627,716, Feb. 10.
Vehicle leaf spring mounting. H. E. Jurgens. 2,635,869, Apr. 21.
Vehicle lift for wrecking trucks. D. G. Dalby and M. E. Smith. 2,625,279, Jan. 13.
Vehicle lift gate. G. A. Duis and G. S. Park. 2,654,491, Oct. 6.
Vehicle lift unit for docks. A. E. Rowe. 2,637,454, May 5.
Vehicle light controlling lens panel. A. L. Arenberg. 2,640,149, May 26.
Vehicle loader. T. G. and G. T. Williamson. 2,634,003, Apr. 7.
Vehicle loading and unloading apparatus. L. L. Eakin. 2,662,654, Dec. 15.
Vehicle location indicator. F. S. Field. 2,635,372, Apr. 21.
Vehicle mounted implement. F. L. Derror and R. P. Gramly. 2,626,550, Jan. 27.
Vehicle mounted implement. G. M. Newlin. 2,626,553, Jan. 27.
Vehicle mounted take-out plow. J. C. Rutherford. 2,660,104, Nov. 24.
Vehicle mover. R. S. Towse. 2,638,317, May 12.
Vehicle mud flap. G. C. Miller. 2,652,266, Sept. 15.
Vehicle operated gravity closure, Automatic. W. J. Salter. 2,627,130, Feb. 3.
Vehicle or trailer for transporting portable cases, Motor. A. Kranawetvogel and W. Rosin. 2,659,504, Nov. 17.
Vehicle push block attachment. A. J. Kytola. 2,646,287, July 21.
Vehicle reel control. C. F. Ball and R. T. Hair. 2,639,103, May 19.
Vehicle seat. A. Rappl. 2,631,649, Mar. 17.
Vehicle signaling. T. M. Ferrill, Jr. 2,661,070, Dec. 1.
Vehicle sill mat. M. J. Sturtevant. 2,657,948, Nov. 3.
Vehicle speed control, Motor. L. G. Hoener. 2,661,071, Dec. 1.
Vehicle speed control system. J. C. Keeton and E. B. Cones. 2,656,002, Oct. 20.
Vehicle speed warning device. G. B. Tod. 2,628,345, Feb. 10.
Vehicle spring. F. J. Laher. 2,635,870, Apr. 21.
Vehicle spring rearching means. A. R. Hellwig. 2,656,181, Oct. 20.
Vehicle stabilizing means, Automotive. H. C. Cuskie. 2,626,797, Jan. 27.
Vehicle standard. L. Wallace. 2,643,841, June 30.
Vehicle step, Swingable. J. E. Creel and W. E. Russell. 2,653,036, Sept. 22.
Vehicle structure. H. W. Templeton. 2,655,872, Oct. 20.
Vehicle suspension device. A. E. Forsyth. 2,627,403, Feb. 3.
Vehicle suspension for driven wheels. A. G. Herreshoff. 2,635,704, Apr. 21.
Vehicle suspension, Resilient. B. J. Murphy. 2,654,614, Oct. 6.
Vehicle tow coupling. H. C. Riemann. 2,642,295, June 16.
Vehicle towage control. G. F. Martin. 2,653,822, Sept. 29.
Vehicle train lock. S. L. Morrow. 2,630,698, Mar. 10.
Vehicle transmission. E. C. McRae. 2,624,215, Jan. 6.
Vehicle transmission control. E. C. McRae. 2,628,510, Feb. 17.
Vehicle travel control means. W. B. Dean and D. L. Buchanan. 2,647,415, Aug. 4.
Vehicle unloader. R. A. Shields. 2,648,447, Aug. 11.
Vehicle unloader car. R. A. Shields. 2,648,448, Aug. 11.
Vehicle washing pellet reclaiming apparatus, Motor. J. S. Cockrell. 2,660,744, Dec. 1.
Vehicle wheel. A. E. Frandi. 2,656,221, Oct. 20.
Vehicle wheel. J. J. Gaquinto. 2,636,535, Apr. 28.
Vehicle wheel. H. J. Horn. 2,625,439, Jan. 13.
Vehicle wheel. H. J. Horn. 2,631,894, Mar. 17.
Vehicle wheel. M. E. Rappaport. 2,635,012, Apr. 14.
Vehicle wheel and the like, Shock and sound absorbing. M. Watter. 2,659,622, Nov. 17.
Vehicle wheel cover. H. J. Horn. 2,631,066, Mar. 10.

Vehicle wheel mounting. G. E. Lambert, Jr. 2,632,674, Mar. 24.
Vehicle wheel mounting. J. C. Lewis. 2,629,634, Feb. 24.
Vehicle wheel ornamental trim ring construction. R. S. Grimshaw. 2,639,948, May 26.
Vehicle wheel suspension. K. W. Tantlinger. 2,635,896, Apr. 21.
Vehicle wheel suspension. N. E. Wahlberg. 2,635,895, Apr. 21.
Vehicle wheel suspension system. E. S. MacPherson. 2,624,592, Jan. 6.
Vehicle windshield cover. J. C. and A. Szychowski. 2,624,406, Jan. 6.
Vehicle window, No-draft, arm signaling. J. F. Anderson. 2,658,791, Nov. 10.
Vehicle with adjustable track, Automobile transporting. D. Mettetal, Jr. 2,653,049, Sept. 22.
Vehicle with cam controlled gates, Side dump. H. A. Peller. 2,636,777, Apr. 28.
Vehicle with demountable wheel trucks, Trailer. J. P. Fellabaum. 2,656,196, Oct. 20.
Vehicle with elevating bed. A. M. Meldrum. 2,636,746, Apr. 28.
Vehicle with intercushioned banking and vertical oscillation suspension for the superstructure. J. Kolbe. 2,657,067, Oct. 27.
Vehicle with load boom and mobile stabilizer, Mobile. J. A. Le Clair. 2,663,433, Dec. 22.
Vehicle with plural-axle, Rail. G. Borgeaud and J. Waldvogel. 2,649,743, Aug. 25.
Vehicle wrecker hoist mechanism. G. M. Ashton. 2,625,275, Jan. 13.
Vehicles such as semitrailers, Wheeled. R. Porte. 2,634,988, Apr. 14.
Vehicular bodies, Manufacturing. J. J. Powers. 2,634,494, Apr. 14.
Vehicular location and communicating system, Fixed route. E. M. Deloraine. 2,636,113, Apr. 21.
Vein disintegrating mechanism having side boards. A. L. Barrett. 2,634,963, Apr. 14.
Velocipede accessory for producing noise. E. B. Meyer, Jr. 2,624,156, Jan. 6.
Velocity measuring by use of high energy electrons. G. L. Mellen. 2,637,208, May 5.
Velocity measuring system utilizing radio technique. R. K. Potter. 2,634,413, Apr. 7.
Velocity modulation amplifier tube. E. Touraton, A. Piquet, and C. Dumousseau. 2,641,730, June 9.
Velocity modulation device, Tunable. K. T. Bainbridge. 2,658,147, Nov. 3.
Velocity modulation tube. J. R. Woodyard and W. W. Hansen. 2,630,546, Mar. 3.
Vending apparatus. A. M. Simon, Jr., and A. P. Gluck. 2,645,544, July 14.
Vending apparatus, Disk-shaped phonograph. F. Se Bastian. 2,656,235, Oct. 20.
Vending machine. C. S. Balaz. 2,627,362, Feb. 3.
Vending machine. P. Deland. 2,647,029, July 28.
Vending machine. A. R. Gross. 2,660,282, Nov. 24.
Vending machine. F. S. Mason. 2,652,916, Sept. 22.
Vending machine. F. S. Mason. 2,653,069, Sept. 22.
Vending machine. H. T. Probasco. 2,664,227, Dec. 29.
Vending machine. L. S. Spero and G. Adamec. 2,656,029, Oct. 20.
Vending machine. C. W. Tawney, S. J. Demarco, Jr., and P. H. Herrick. 2,649,948, Aug. 25.
Vending machine. W. von Stoeser. 2,633,959, Apr. 7.
Vending machine. O. V. Wells, R. O. Borst, and C. C. Stapp. 2,643,169, June 23.
Vending machine. R. B. Whitney and W. B. Weed. 2,635,938, Apr. 21.
Vending machine. A. Ziska. 2,639,207, May 19.
Vending machine, Automatic. W. F. Fuhrman. 2,654,505, Oct. 6.
Vending machine, Automatic. J. Munz and J. Tichopad. 2,650,149, Aug. 25.
Vending machine, Automatic. J. Munz and J. Tichopad. 2,661,827, Dec. 8.
Vending machine, Beverage. H. A. Bendfelt. 2,648,274, Aug. 11.
Vending machine, Beverage. C. Gabrielsen. 2,644,734, July 7.
Vending machine, Bottle. E. C. Johnson. 2,634,847, Apr. 14.
Vending machine cabinet. B. C. Case. 2,639,961, May 26.
Vending machine, Gum. E. R. Sabin, B. A. Andrews, and L. A. Shontz, Jr. 2,637,610, May 5.
Vending machine having tiltable bottle cradle for moving bottles to vending position. R. H. Menning and R. T. Manley. 2,661,107, Dec. 1.
Vending machine, Ice cube. R. H. Ridnour. 2,645,092, July 14.
Vending machine mechanism. S. L. Schlanger. 2,646,153, July 21.
Vending machine, Pencil. A. Schupp. 2,664,330, Dec. 29.
Vending machine, Sandwich. C. Gabrielsen. 2,638,396, May 12.
Vending machine, Selective article. K. E. Hamann. 2,642,171, June 16.
Vending machine with dual conveyers arranged for alternate delivery, Package. F. N. James. 2,644,735, July 7.
Vending or dispensing machine for cylindrical containers. F. A. Ossanna, Jr. 2,628,875, Feb. 17.
Vending system. F. Massa. 2,645,416, July 1
Vending system, Article. T. S. Skillman. Dec. 22.
Veneer cutting machine. R. S. Burnett. 2,642 16.
Veneer joining apparatus. E. L. Croston. Oct. 27.
Veneer patch routing and patch holding durin mechanism. C. A. Sherman. 2,643,689, June
Veneer sizing mechanism. E. L. Dell, Jr. and T. land. 2,634,772, Apr. 14.
Venetian blind. J. H. Bierlich. 2,662,592, Dec
Venetian blind. P. H. Biscoe and W. T. Slater. Aug. 4.
Venetian blind. L. R. Bucher and O. K. Skiver. July 21.
Venetian blind. J. W. Dunn. 2,643,712, June
Venetian blind. C. W. Ferreira. 2,625,220, Jan
Venetian blind. J. J. Foglio. 2,633,909, Apr.
Venetian blind. J. C. Grau. 2,645,282, July 1
Venetian blind. G. R. Lind. 2,627,917, Feb.
Venetian blind. S. F. Mayer. 2,643,713, June
Venetian blind. B. Walker. 2,649,151, Aug. 1
Venetian blind. B. Walker. 2,652,111, Sept. 15.
Venetian blind and control means therefor, A. A. S. Coppage. 2,657,923, Nov. 3.
Venetian blind bar organization and fitting. 2,637,382, May 5.
Venetian blind bottom bar. H. K. Lorentzen. Dec. 22.
Venetian blind bottom weights. B. Walker. Sept. 15.
Venetian blind cover. M. E. Skwark. 2,651,35
Venetian blind cover. M. E. Skwark. 2,653,65
Venetian blind headrail. B. Walker. 2,657,74
Venetian blind head rail assembly. E. E. 2,652,113, Sept. 15.
Venetian blind parts. B. Walker. 2,661,058, I
Venetian blind parts. B. Walker. 2,662,593, D
Venetian blind slats, Making. G. T. Cumming. Aug. 18.
Venetian blind structure. C. S. Evans. 2,636,52
Venetian blind supporting and actuating stru Nelson. 2,629,434, Feb. 24.
Venetian blind tape fastener, cord anchor, pulle and cover therefor, Combination. R. H. W A. Zay. 2,660,238, Nov. 24.
Venetian blind tape retaining pin. R. 2,647,573, Aug. 4.
Venetian blind tilter. J. W. Dunn. 2,634,800.
Venetian blind tilter construction. H. Nelson. Mar. 10.
Venetian blind vane spacer. R. S. King. 2,63 21.
Venetian shade. P. A. Kearny. 2,646,114, Jul
Venoclysis equipment. G. R. Ryan. 2,664,08
Vent and filling device for storage batteries. J. 2,649,494, Aug. 18.
Vent and filter plug closure. H. L. Bering Callahan. 2,650,673, Sept. 1.
Vent cap. J. Dick. 2,629,456, Feb. 24.
Vent cap. T. L. Kendall. 2,658,100, Nov. 3.
Vent pipe support. S. Epstein. 2,648,511, Aug
Vent plug. C. D. Foss. 2,644,609, July 7.
Vent plug closure. H. L. Bering and T. P. 2,635,784, Apr. 21.
Vent protecting and draft equalizing device. tin. 2,647,477, Aug. 4.
Vent spacer, Wrap-around. S. Epstein. Aug. 11.
Vent valve. R. L. Gates. 2,642,261, June 16.
Vented fluid dispensing container. H. Wolcott. May 5.
Vented hopper chute for railway cars or the l Smith. 2,659,897, Nov. 24.
Ventilated and automatically controlled dry cl paratus. E. E. Hallander. 2,629,242, Feb.
Ventilated insulating spacing shield for flas cells. A. H. Macklenar. 2,643,327, June 23
Ventilated plant protector. R. J. Service. Jan. 27.
Ventilated wall. E. J. Titsworth. 2,645,824.
Ventilating apparatus for architectural struct sure-displacement. E. J. Kurek. 2,659,292.
Ventilating apparatus, Modular pressure-di type. E. J. Kurek. 2,662,463, Dec. 15.
Ventilating apparatus with heat exchanger. F 2,634,107, Apr. 7.
Ventilating attachment for automobiles. R. 2,640,408, June 2.
Ventilating attachment, Window. B. G 2,648,273, Aug. 11.
Ventilating device. E. P. Turner. 2,626,742, J
Ventilating device for storm windows. J. 2,629,902, Mar. 3.
Ventilating device, Room. J. B. Johnson. Nov. 10.
Ventilating device, Toilet. E. L. Nofsinger. Mar. 17.
Ventilating or pressurizing apparatus, Aircraft G. Hooker and H. Pearson. 2,634,668, Apr.
Ventilating ridge roll for roofs. J. Bonforte. Jan. 13.
Ventilating system. M. G. Bales. 2,650,577, S

Ventilating system. J. A. Marquardt. 2,651,250, Sept. 8.
Ventilating system for electrical devices, Forced-air. R. E. Marbury. 2,636,921, Apr. 28.
Ventilating system for sealed ignition distributors and engine crankcases. M. G. Bales. 2,639,701, May 26.
Ventilating system, Internal-combustion engine. R. T. Doughty. 2,660,987, Dec. 1.
Ventilating system, Motor. W. A. Humphrey. 2,628,320, Feb. 10.
Ventilation means for goggles. J. W. Aspenleiter. 2,636,171, Apr. 28.
Ventilation of passenger compartment of automotive busses. H. E. Simi. 2,656,779, Oct. 27.
Ventilation system for automobiles and the like. L. S. Greenmun. 2,634,669, Apr. 14.
Ventilator. J. N. Burgan. 2,641,987, June 16.
Ventilator. S. Hersch. 2,626,557, Jan. 27.
Ventilator adapted for installation on slant roofs, Roof. K. M. Parsons. 2,636,429, Apr. 28.
Ventilator and sun shield. R. C. Stelmach. 2,628,549, Feb. 17.
Ventilator attachment for automobiles. H. N. Snyder. 2,638,833, May 19.
Ventilator, Automobile. A. L. Brandenburg. 2,631,518, Mar. 17.
Ventilator for buildings having pitched roofs. A. L. Simblest. 2,645,992, July 21.
Ventilator for telephone booths. J. H. King. 2,628,550, Feb. 17.
Ventilator for water closets. C. J. Majauskas. 2,639,440, May 26.
Ventilator, Roof. R. L. Leigh. 2,628,551, Feb. 17.
Ventilator, Roof. F. A. Strawsine. 2,638,835, May 19.
Ventilator, Siding. G. E. Jarvie. 2,634,463, Apr. 14.
Ventilator structure. L. L. Smith. 2,663,246, Dec. 22.
Ventilator, Wall. W. G. Moore. 2,657,570, Nov. 3.
Ventilator, Window. J. B. Fairbairn. 2,663,245, Dec. 22.
Ventilator, Window. H. Hersperger. 2,659,294, Nov. 17.
Ventilator, Window. W. Lukasavicz. 2,624,402, Jan. 6.
Ventilator, Window. A. E. Wittenberg. 2,657,624, Nov. 3.
Venting apparatus for tanks or the like. J. F. Lee and G. E. Denny. 2,643,666, June 30.
Venting arrangement for liquid rheostats. A. C. Halter. 2,632,077, Mar. 17.
Venting closure and liner therefor. G. R. Miller, Jr., and A. W. Weidner. 2,626,073, Jan. 20.
Venturi control for liquid flow. R. H. Goddard. 2,627,876, Feb. 10.
Vermin-trap. G. F. J. Dandridge. 2,656,641, Oct. 27.
Vernier control and pivot mounting for transits and like instruments. H. C. Nette. 2,643,844, June 30.
Vernier controlled indicator rod clamp. L. F. Young. 2,627,118, Feb. 3.
Vernier indicating instrument. R. T. Maiorany. 2,663,280, Dec. 22.
Vernier scanner. L. J. Chu. 2,648,003, Aug. 4.
Vertical automatic machine tool. R. B. Walder. 2,635,325, Apr. 21.
Vertical axis, pump and turbine hydraulic coupling. T. Hudyma and M. Olijnyk. 2,652,688, Sept. 22.
Vertical axis, rotary hydraulic coupling. W. F. Shurts. 2,634,583, Apr. 14.
Vertical baling press. E. J. J. Jonsson. 2,654,309, Oct. 6.
Vertical combustion accelerating grate. F. M. Poor. 2,625,894, Jan. 20.
Vertical illuminator. J. T. Rooney. 2,642,775, June 23.
Vertical rotary tool support. R. F. Hall. 2,631,502, Mar. 17.
Vertical shale retort. H. J. Holford and A. J. Challis. 2,645,609, July 14.
Vertical stabilizer for vehicle wheels. S. D. Ormsby. 2,660,475, Nov. 24.
Vertical velocity indicator. R. Hofstadter. 2,632,038, Mar. 17.
Vertical window shutter. F. W. and E. O. Bopp, and E. F. Taylor. 2,660,237, Nov. 24.
Vertically adjustable drafting board table. E. Laxo. 2,646,322, July 21.
Vertically adjustable supporting device. A. V. L. C. Debrie. 2,655,334, Oct. 13.
Vertically adjustable table. F. E. Beall. 2,643,923, June 30.
Vertically adjustable table. A. E. Sternkopf. 2,636,704, Apr. 28.
Vertically extended dead light panel of passenger railway cars. R. Eksergian and M. Watter. 2,646,008, July 21.
Vesicant composition for and method of rendering water hazardous. J. E. Mills. 2,643,966, June 30.
Vesiculation. R. G. Osborne. 2,627,642, Feb. 10.
Vessel and stopper therefor, Concentrating. K. O. L. Silverstolpe. 2,649,245, Aug. 18.
Vessel, Drinking. S. L. Atkins. 2,646,200, July 21.
Vessel, Liquid weighing and dispensing. H. A. Wons. 2,639,840, May 26.
Vessel with animated display, Drinking. D. Rosenthal. 2,635,384, Apr. 21.
Vessel with turbine for rotating container while heating or cooling. J. B. Prather. 2,639,897, May 26.
Vest, Buoyant. L. P. Frieder, T. H. Garber, and A. G. Luisada. 2,629,118, Feb. 24.
Vestibule connection, Streamline. H. Kump. 2,636,447, Apr. 28.
Vestibule connection, Streamlined. R. G. Nichols. 2,636,448, Apr. 28.
Veterinary therapeutic composition for the control of enterohepatitis. R. P. Parker and R. D. Vartanian. 2,631,963, Mar. 17.
Veterinary's portable operating table. W. J. Beach. 2,631,568, Mar. 17.
Vial. F. S. Dickinson, Jr. 2,660,171, Nov. 24.
Vial, Level. W. G. and R. A. Moyer. 2,627,121-2, Feb. 3.
Vial, Medicament. F. E. Brown. 2,644,452, July 7.
Vial rack. D. M. Brown. 2,641,368, June 9.
Vibrating conveyer. J. W. Sherwen. 2,629,485, Feb. 24.
Vibrating device, Instrument. G. R. Larkin. 2,638,788, May 19.
Vibrating equipment. L. E. Soldan. 2,648,441, Aug. 11.
Vibrating machine for treating humans. P. Bertholin. 2,645,219, July 14.
Vibrating mechanism. G. L. Oswalt. 2,651,827, Sept. 15.
Vibrating screen. G., C., and G. A. Overstrom. 2,651,419, Sept. 8.
Vibration absorbing handle for rock drills. J. H. Anderson. 2,629,364, Feb. 24.
Vibration absorbing mount. B. E. O'Connor. 2,637,514, May 5.
Vibration and shock isolator. G. R. Munro. 2,660,386, Nov. 24.
Vibration and shock isolator. N. H. Roy. 2,660,387, Nov. 24.
Vibration and shock isolator. N. H. Roy. 2,660,423, Nov. 24.
Vibration controller for a resilient mounting. R. C. Henshaw. 2,648,509, Aug. 11.
Vibration damped force measuring device of the diaphragm type provided with a valve for automatically applying a pressure to the diaphragm sufficient to balance the force. A. A. Markson. 2,648,345, Aug. 11.
Vibration dampener. H. Nutt. 2,636,363, Apr. 28.
Vibration damping means for governor. G. E. Parker. 2,660,422, Nov. 24.
Vibration detector, Seismic. J. A. Stafford. 2,651,769, Sept. 8.
Vibration device. R. L. Glover. 2,660,067, Nov. 24.
Vibration isolating means for sewing machines. G. Sauer. 2,644,413, July 7.
Vibration isolating means for sewing units. J. G. Attwood. 2,660,140, Nov. 24.
Vibration isolation unit. E. S. Titus. 2,658,710, Nov. 10.
Vibration isolator. F. Lambert, Jr., and C. E. Crede. Re. 23,743, Nov. 24.
Vibration isolator. J. Markowitz. 2,642,253, June 16.
Vibration isolator device. J. W. Patton. 2,662,720, Dec. 15.
Vibration mode analyzer. S. J. Loring. 2,644,331, July 7.
Vibration testing apparatus. I. Mendelson. 2,625,659, Jan. 13.
Vibration transmitting system. D. O. Sproule. 2,629,770, Feb. 24.
Vibrator. S. F. and E. D. James. 2,659,784, Nov. 17.
Vibrator. K. A. S. Karlström. 2,649,286, Aug. 18.
Vibrator assembly, Weatherproof. C. N. Williamson. 2,664,455, Dec. 29.
Vibrator, Electromagnetic. D. A. Stewart. 2,641,720, June 9.
Vibrator for discharging hopper bottom containers. A. Musschoot and C. M. Young, Jr. 2,624,479, Jan. 6.
Vibrator for massage purposes, Electric. C. Schwartz. 2,661,736, Dec. 8.
Vibrator unit for multicolor printing presses. C. C. Grede. 2,645,997, July 21.
Vibrator with amplitude measuring circuit. W. O. Frohring. 2,625,152, Jan. 13.
Vibratory apparatus, Electrical. A. R. Willson and D. W. Nelson. 2,645,728, July 14.
Vibratory assemblage. E. B. Cook. 2,634,616, Apr. 14.
Vibratory device for controlling discharge from a hopper containing a powdered or a small-size granular homogeneous substance. G. Bardet. 2,649,224, Aug. 18.
Vibratory device, Ultrasonic. P. B. Carwile. 2,651,148, Sept. 8.
Vibratory electrical motor. R. H. Rohden. 2,656,474, Oct. 20.
Vibratory grinding, Method and apparatus for. N. Ahlmann. 2,650,033, Aug. 25.
Vibratory massage device. C. J. Miller. 2,624,335, Jan. 6.
Vibratory switch. L. C. Parker. 2,634,377, Apr. 7.
Video clipping circuit. I. A. Krause. 2,647,209, July 28.
Video-from-sync and sync-from-sync separator. E. M. Roschke and W. S. Druz. 2,656,414, Oct. 20.
Video gain and frequency response control, Combined. E. I. Anderson. 2,627,022, Jan. 27.
View-finder attachment for cameras. L. F. Fachman. 2,640,777, June 2.
Viewer for cameras. M. Shapiro. 2,640,388, June 2.
Viewing device for positive photographic prints. L. Mazzocco. 2,635,371, Apr. 21.
Viewing device, Transparency. C. and G. B. Christensen. 2,654,173, Oct. 6.
Vine cutter. E. A. Rohr. 2,646,739, July 28.
Vine cutting and deflecting mechanism for row crops. R. W. Gunderson. 2,633,689, Apr. 7.
Vine dividing means. T. R. Warner. 2,653,436, Sept. 29.
Vine-handling machine. E. D. Dahlman. 2,648,185, Aug. 11.
Vine holder. L. J. Wurdinger. 2,650,454, Sept. 1.

Vine trimmer, Cranberry. F. P. Crandon and H. C. Leonard. 2,657,512, Nov. 3.
Vinyl chloride polymer dispersions and making same. R. W. James and D. W. Lovering. 2,636,872, Apr. 28.
Vinyl chloride polymer plasticized with 3,5,5-trimethyl-1-hexanol-polybasic acid ester. W. L. Beears. 2,650,908, Sept. 1.
Vinyl chloride polymers plasticized with addition products of esters. J. Dazzi. 2,653,948, Sept. 29.
Vinyl chloride polymers plasticized with cyanoethyl ethers of S-(2-arylethyl)-2-mercaptoethanols. J. Dazzi. 2,658,047, Nov. 3.
Vinyl chloride polymers plasticized with dialkyl esters of biphenyl dicarboxylic acid. J. Dazzi. 2,634,248, Apr. 7.
Vinyl chloride resin dispersions and resulting products, Preparing. R. W. James and D. W. Lovering. 2,636,871, Apr. 28.
Vinyl chloride-styrene copolymers, Producing. H. Tucker. 2,628,957, Feb. 17.
Vinyl compositions stabilized against changes in color. F. J. Williams and J. G. Hendricks. 2,625,533, Jan. 13.
Vinyl copolymers and process. J. A. Arvin. 2,627,509, Feb. 3.
Vinyl dialkylaminohydrocarbon-amides. T. L. Cairns and J. C. Sauer. 2,628,224, Feb. 10.
Vinyl fluoride, Production of. J. W. Clark. 2,626,963, Jan. 27.
Vinyl halide, Plasticized. W. S. Emerson and R. I. Longley, Jr. 2,637,714, May 5.
Vinyl halide polymerization with adipoyl peroxide and hexamethylene diamine. H. F. Park. 2,659,716, Nov. 17.
Vinyl halide polymerization with cyclic catalyst. H. F. Park. 2,664,416, Dec. 29.
Vinyl halide-vinylidene halide-acrylic ester tripolymers. W. L. J. de Nie. 2,651,626, Sept. 8.
Vinylidene bis(hydrocarbon sulfones) and their polymers. A. L. Barney. 2,641,594, June 9.
Vinylidene chloride and vinyl chloride, Making. P. H. Dirstine and E. L. Dance. 2,628,259, Feb. 10.
Vinyl polysiloxane compositions. D. T. Hurd. 2,645,628, July 14.
Vinyl resin dispersions. I. I. Bezman and D. D. Browning. 2,624,718, Jan. 6.
Violin case cover. B. Becker. 2,627,887, Feb. 10.
Violin mute and resin holder. B. R. Nyhagen. 2,647,428, Aug. 4.
Violin rest. J. E. Hall. 2,652,739, Sept. 22.
Violin rest. R. H. Heimers. 2,651,961, Sept. 15.
Viscose rayon threads, fibers, filaments and the like, Production of. H. B. Merriman. 2,632,323, Mar. 24.
Viscose recovery. R. R. Warburton. 2,647,891, Aug. 4.
Viscosimeter. E. P. Miller. 2,638,778, May 19.
Viscosimeter, Recording. L. M. Evans. 2,660,885, Dec. 1.
Viscosity control in heavy media separation. J. J. Bean. 2,633,987, Apr. 7.
Viscous hydrophilic composition and making the same. M. J. Shoemaker. 2,628,205, Feb. 10.
Viscous urea-formaldehyde compositions and preparing the same. H. M. Kvalnes. 2,625,524, Jan. 13.
Vise and bench, Lap. B. E. Bigelow. 2,638,805, May 19.
Viso construction, Screw-operated. A. E. Gaudreau. 2,643,563, June 30.
Vise, Fly-tying. H. L. Thompson. 2,635,495, Apr. 21.
Vise, Gear-operated pivoted-jaw. L. E. Sowell. 2,634,639, Apr. 14.
Vise, Hackle. J. F. Goldsby. 2,655,826, Oct. 20.
Vise having shiftable nut for quick adjustment, Screw-operated. O. G. Larson. 2,645,143, July 14.
Vise having toggle-locked pivoted jaw, Work-centering. J. R. Brinkley. 2,645,961, July 21.
Vise having wedge clutch, Screw-operated. C. S. L. Werne. 2,641,947, June 16.
Vise, including a presettable, lever-actuated, jaw locking means, Sliding jaw. D. K. Harrington. 2,651,959, Sept. 15.
Vise jaw combination. C. Nickas, Jr. 2,646,708, July 28.
Vise, Plier. J. Elsberg. 2,642,766, June 23.
Vise, Power-operated. P. S. Becker. 2,656,820, Oct. 27.
Vise, Quick action. W. W. Swain. 2,621,483, Mar. 17.
Vise, Toggle actuated. D. C. Williams. 2,645,144, July 14.
Visible indicator. F. L. Ebel and A. J. Maisey. 2,644,939, July 7.
Visible record device. W. B. Brodtmann. 2,642,832, June 23.
Visnagin from cheliol and new compositions of matter, Preparation of. T. A. Geissman. 2,657,218, Oct. 27.
Visor. L. B. Weymouth. 2,625,426, Jan. 13.
Visor and fluid seal roof supporting means therefor, Windshield. J. P. Francesco. 2,633,381, Mar. 31.
Visor and light for automobile interior. V. J. Dillon. 2,641,684, June 9.
Visor apparatus. H. H. Zeder, J. B. Dickson, and E. G. Zeeb. 2,648,566, Aug. 11.
Visor bracket. W. C. Lincoln. 2,628,807, Feb. 17.
Visor for automobiles, Inside reflection. R. J. Chonoski and H. W. Hacker. 2,651,543, Sept. 8.
Visor for mirrors, Protective. J. W. Condon. 2,649,839, Aug. 25.
Visor, Sun. J. D. Beets. 2,634,161, Apr. 7.
Visor, Sun. J. W. Greig. 2,628,861, Feb. 17.
Visor, Sun. C. S. Jacobs. 2,628,125, Feb. 10.
Visor, Sun. J. H. Locken. 2,629,869, Mar. 3.
Visor supported pocket for automotive vehicles. R. B. Pfeifer and L. G. Heyden. 2,655,299, Oct. 13.
Visor with center supporting bracket, Windshield. W. A. Maher. 2,650,130, Aug. 25.
Visual alignment of television receivers, Method and apparatus for. K. Enslein. 2,648,724, Aug. 11.
Visual analyzing device for the ignition systems of internal-combustion engines. H. L. Byerlay. 2,645,751, July 14.
Visual control board. C. W. Johnson. 2,649,790, Aug. 25.
Visual electron flow indicator. L. S. Maloof. 2,648,795, Aug. 11.
Visual representation of complex waves. R. K. Potter. 2,629,778, Feb. 24.
Visualized race track gate circuit. P. Sierer and N. J. Waterbury. 2,664,559, Dec. 29.
Vitamin A acetals. O. Isler, N. C. Hindley, and P. Zeller. 2,657,219, Oct. 27.
Vitamin A acetate gelatin beadlets. E. J. Goett, E. E. Macdonough, Jr., and C. J. Salivar. 2,643,209, June 23.
Vitamin B_1 gentisate. B. Pecherer. 2,640,827, June 2.
Vitamin B_{12}-active product from sewage sludge, Preparing. C. S. Miner, Jr., and B. Wolnak. 2,646,386, July 21.
Vitamin B_{12}-active substance elution from montmorillonite absorbent. S. Kutosh, G. B. Hughey, and R. S. Malcolmson. 2,643,210, June 23.
Vitamin B_{12}-active substance elution from montmorillonite absorbents. S. Kutosh, G. B. Hughey, and R. S. Malcolmson. 2,626,888, Jan. 27.
Vitamin B_{12} by streptomyces olivaceus, Production of. H. H. Hall. 2,643,213, June 23.
Vitamin B_{12} purification process. A. J. Holland. 2,653,900, Sept. 29.
Vitamin-containing chocolate food product. F. T. Kimball. 2,634,210, Apr. 7.
Vitreous decalcomania. H. C. Rathke. 2,629,670, Feb. 24.
Vitreous decalcomania and applying the same. H. C. Rathke. 2,629,679, Feb. 24.
Vitreous enameling processes and products. A. E. Chester. 2,639,264, May 19.
Vitreous glazes or enamels for coating metals, Production of. R. P. Fraser and A. L. Cianchi. 2,660,531, Nov. 24.
Voice current repeater. O. D. Grandstaff. 2,644,044, June 30.
Voice frequency signaling circuit. W. W. Fritschi, R. O. Soffel, and A. Weaver. 2,642,500, June 16.
Voice-operated system. K. H. Davis and A. C. Norwine. 2,646,465, July 21.
Voltmeter, Attenuating vacuum tube. D. Gurevics. 2,641,626, June 9.
Voltmeter, Cathode-ray tube. E. H. T. Jackson. 2,644,137. June 30.
Voltmeter, Ultrahigh impedance electrometer tube. E. H. Mullins. 2,644,136, June 30.
Voltmeter, Vacuum tube. D. R. de Boisblanc. 2,658,180, Nov. 3.
Voltage and current bias of transistors. H. L. Barney. 2,647,958, Aug. 4.
Voltage and current regulation. J. A. Potter. 2,628,340, Feb. 10.
Voltage and current responsive dynamic braking control system. G. R. Purifoy and C. F. Jenkins. 2,653,292, Sept 22.
Voltage and polarity detector and indicator, Pocket type. O. A. and H. P. Knopp. 2,632,785, Mar. 24.
Voltage and position control system. J. J. Wilentchik. 2,662,146, Dec. 8.
Voltage compensator for three phase to single phase systems. J. L. Solomon. 2,634,396, Apr. 7.
Voltage control system. H. G. Weiss. 2,629,840, Feb. 24.
Voltage controller. R. J. C. Roquet. 2,641,739, June 9.
Voltage divider and crystal cartridge assembly for high-frequency electrical devices, Combined. J. R. Bird, H. J. Calderhead, and J. A. Bilski. 2,636,120, Apr. 21.
Voltage doubler. M. Hoyaux. 2,644,918, July 7.
Voltage generating circuit. D. A. Levell. 2,662,178, Dec. 8.
Voltage indicator. N. Schnoll. 2,644,134, June 30.
Voltage measurement. C. W. Hansen and R. B. Gustafson. 2,629,832, Feb. 24.
Voltage rectification and regulation power system. M. L. Blondet. 2,635,219, Apr. 14.
Voltage regulating device. Y. A. Rocard. 2,633,562, Mar. 31.
Voltage regulating generator. L. G. Opel and W. R. Harding. 2,648,044, Aug. 4.
Voltage regulating relay. I. E. McCabe. 2,624,818, Jan. 6.
Voltage regulation, Saturable reactor. A. D. Gilchrist. 2,646,543, July 21.
Voltage regulator. H. Friedman. 2,656,478, Oct. 20.
Voltage regulator. J. Grillo. 2,635,223, Apr. 14.
Voltage regulator. L. L. Helterline, Jr. 2,629,078, Feb. 17.
Voltage regulator. W. H. Henrich. 2,644,128, June 30.
Voltage regulator. B. W. Jones. 2,650,341, Aug. 25.
Voltage regulator. F. J. Lupo. 2,625,675, Jan. 13.
Voltage regulator. F. R. Milsom. 2,651,020, Sept. 1.
Voltage regulator. B. Ostendorf, Jr. 2,653,252, Sept. 22.
Voltage regulator. D. H. Ransom and H. M. Miller. 2,631,268, Mar. 10.

Voltage regulator system for high and low voltage regulation. O. H. Schmitt. 2,629,855, Feb. 24.
Voltage sensitive circuit. P. S. Goodwin. 2,629,056, Feb. 17.
Voltage supply control circuit. W. O. Fullerton. 2,656,487, Oct. 20.
Voltage supply for radiation counters, Portable. C. D. Gould. 2,628,338, Feb. 10.
Voltage supply regulator. E. Fairstein. 2,643,360, June 23.
Voltage supply system, Variable. H. L. Miller. 2,645,725, July 14.
Voltage transformer, Variable. A. R. Davis. 2,632,857, Mar. 24.
Voltage translating means. P. Glass. 2,644,085, June 30.
Volume control. F. H. Owens. 2,640,104, May 26.
Volume control apparatus, Ear response compensated. J. M. Hanert. 2,646,468, July 21.
Volume control, Dynastat. J. G. Woodward. 2,631,202, Mar. 10.
Volume control for pulse code modulation. P. R. Aigrain. 2,643,293, June 23.
Volume control, Tone compensated. G. T. Kodama. 2,637,778, May 5.
Volute spring. C. W. Wulff and F. G. Newman. 2,649,298, Aug. 18.
Vortex ring process for liquid-liquid extraction. W. R. Works and F. A. M. Buck. 2,659,664, Nov. 17.
Vortex separator for pulp. J. Baxter, Jr. 2,645,347, July 14.
Voting machine, Instructional. C. R. Finegan. 2,627,125, Feb. 3.
Voucher check. W. R. Wallman. 2,653,039, Sept. 22.
Vulcanization. J. R. Little. 2,649,429–30, Aug. 18.
Vulcanization accelerators. H. D. Glenn and I. Mankowich. 2,640,088, May 26.
Vulcanization accelerators. J. F. Olin. 2,653,924–5, Sept. 29.
Vulcanization of rubber. B. C. Barton. 2,625,572, Jan. 13.
Vulcanization of rubber. B. A. Hunter and H. D. Glenn. 2,635,124, Apr. 14.
Vulcanization of synthetic rubber with alkyl dimethylol phenol and formaldehyde. J. R. Little. 2,649,431, Aug. 18.
Vulcanization with alkyl dimethylolphenol and alkanolamine. J. R. Little. 2,649,432, Aug. 18.
Vulcanized composition formed from sulfur, rubber, and an alkenyl phenol for joining metal, wood, glass, and thermosetting resins. H. S. Bloch. 2,662,869, Dec. 15.
Vulcanizing. J. W. Dawson. 2,626,430, Jan. 27.
Vulcanizing apparatus. J. A. Bombardier. 2,659,101, Nov. 17.
Vulcanizing apparatus, Continuous. D. D. Jones. 2,642,622, June 23.
Vulcanizing apparatus, Continuous. A. Stiegler. 2,648,872, Aug. 18.
Vulcanizing machine. G. E. Apel and D. F. Collins. 2,656,565, Oct. 27.
Vulcanizing or like press. W. G. Corson. 2,624,915, Jan. 13.
Vulcanizing rubber and product thereof. R. O. Zerbe. 2,651,625, Sept. 8.
Vulcanizing rubber and products thereof. D. J. Beaver. 2,647,935, Aug. 4.
Vulcanizing rubber soles on boots and shoes. C. Mediano. 2,650,390, Sept. 1.
Wade guide termination. C. H. Luhrs. 2,635,145, Apr. 14.
Waffle iron. M. H. Graham. 2,663,785, Dec. 22.
Waffle iron and improved expansion hinge therefor. H. H. Miller. 2,655,687, Oct. 20.
Wagon drawbar, Reversible. C. M. Goodspeed. 2,650,102, Aug. 25.
Wagon, Dump. C. W. Wood. 2,663,231, Dec. 22.
Wagon, Ensilage unloading and silo filling. J. Rosheim. 2,635,772, Apr. 21.
Wagon hitch with automatic unit and lever releasing gear. R. P. Grigsby. 2,646,288, July 21.
Wagon unloader. V. J. Komuchar and J. E. Gammie. 2,644,594, July 7.
Waist and abdominal fitting portion in nether garment. S. Isaac. 2,663,025, Dec. 22.
Waistband. E. Feinberg. 2,630,575, Mar. 10.
Waistband lining structure for trousers. S. F. Stein. 2,633,577, Apr. 7.
Waler support. C. I. Williams. 2,644,219, July 7.
Waling members for sectionalized structure providing a common rectilinear surface. R. W. Rumble. 2,644,996, July 14.
Walker, Baby. J. A. Hughes. 2,657,735, Nov. 3.
Walker for invalids. P. Maniscalco. 2,654,416, Oct. 6.
Walker for invalids. L. and C. Richardson. 2,625,202, Jan. 13.
Walker for invalids, Mechanical. J. B. Thieman. 2,627,904, Feb. 10.
Walking aid. W. C. Robb. 2,656,874, Oct. 27.
Walking aid. A. L. Steigler. 2,626,652, Jan. 27.
Walking appliance. H. L. and H. C. Pedley, and C. E. Balluff. 2,642,074, June 16.
Walking jack. J. F. Joy. 2,657,028, Oct. 27.
Walking rack. A. P. Elle. 2,634,790, Apr. 14.
Walking welder. E. R. Powell. 2,660,655, Nov. 24.
Wall alignment apparatus. M. Zeno. 2,641,846, June 16.
Wall and ceiling protector and ventilator. F. R. Sonntag 2,657,626, Nov. 3.
Wall block mold. I. F. Reed. 2,624,929, Jan. 13.
Wallboard adhesive and method. W. P. Ericks. 2,657,163, Oct. 27.
Wall box and bracket. C. G. Senif. 2,644,600, July 7.
Wall construction and clip therefor. N. Nelsson. 2,641,035, June 9.
Wall construction, Building. C. Tillery. 2,634,601, Apr. 14.
Wall construction, Dry. R. J. Brendel. 2,643,423, June 30.
Wall construction, including upper and lower panels and diagonal strips joining the same. A. S. Neves. 2,639,471, May 26.
Wall cooling arrangement for combustion devices. L. J. Pierce. 2,657,531, Nov. 3.
Wall-covering package. A. E. Van Wirt. 2,660,299, Nov. 24.
Wall fixture support. M. J. Grady. 2,640,671, June 2.
Wall for use in conjunction with the filling of dental cavities, Temporary. V. Lane. 2,629,930, Mar. 3.
Wall form. F. Billings. 2,644,997, July 14.
Wall form panel. A. H. Symons. 2,640,249, June 2.
Wall heater. J. H. Hollingsworth and K. L. Bedell. 2,642,270, June 16.
Wall hook. H. W. Wannop. 2,661,098, Dec. 1.
Wall lamp. W. F. Little. 2,640,913, June 2.
Wall mounted fuel burning space heater. A. W. Lundstrum. 2,632,435, Mar. 24.
Wall mounting for clocks. L. K. Fargo. 2,651,908, Sept. 15.
Wall of hollow building blocks. W. A. Larson. 2,624,193, Jan. 6.
Wall of plastic filled interlocked blocks, Double. V. A. Rigaumont. 2,640,348, June 2.
Wall-outlet box. P. Temple. 2,642,201, June 16.
Wall panel, Insulated metal. J. H. Bowman. 2,659,461, Nov. 17.
Wallpaper hanger. W. Goldberg. 2,658,639, Nov. 10.
Wallpaper hanging apparatus. T. R. Wynn. 2,662,657–8, Dec. 15.
Wallpaper trimming machine. A. Chalmers. 2,624,407, Jan. 6.
Wall receptacle and plug switch, Combination. T. J. Boadway. 2,636,950, Apr. 28.
Wall seat. H. G. Smith. 2,633,179, Mar. 31.
Wall structure. V. H. Hasselquist. 2,642,883, June 23.
Wall structure of spaced blocks. L. Zeller and E. Hayden. 2,630,701, Mar. 10.
Wall structure, Retaining. L. M. Fort. 2,653,450, Sept. 29.
Wall structure, Solid. W. M. Anderson. 2,624,920, Jan. 13.
Wall structure, Wood. H. R. Davis. 2,644,204, July 7.
Wall supported hanger. J. M. Margulis. 2,647,711, Aug. 4.
Wall with a simulated face, Concrete. P. J. Callan. 2,633,013, Mar. 31.
Walled structure, Inflatable. V. H. Hasselquist. 2,651,314, Sept. 8.
Wallet. F. A. Barnes. 2,627,886, Feb. 10.
Wallet and purse, Combination. S. Knee. 2,625,189, Jan. 13.
Wallet and purse, Combined. S. Knee and G. Markus. 2,646,096, July 21.
Wallet, Billfold. B. S. Berger. 2,642,912, June 23.
Wallet from one piece of material. A. S. Silva. 2,628,650, Feb. 17.
Wallet, Secretary type pocket. R. M. Smith. 2,643,695, June 30.
Wand rest for vacuum cleaners. D. M. Dow. 2,634,451, Apr. 14.
Wardrobe, Locker. J. B. O'Connor. 2,655,424, Oct. 13.
Wake lining tool. R. J. Verba. 2,644,975, July 14.
Warmer, Bun. A. M. Lewis. 2,636,969, Apr. 28.
Warmer for casualty evacuation bags. D. M. Stadd and R. P. Schreiber. 2,627,266, Feb. 3.
Warming attachment for electric toasters, Toast. D. D. Soccoll. 2,659,295, Nov. 17.
Warming device. G. H. Morey. 2,640,907, June 2.
Warning apparatus for airplanes, Stall. H. E. Dyche, Jr. 2,635,152, Apr. 14.
Warning apparatus for airplanes, Stall. H. E. Dyche, Jr., and G. P. Cardwell. 2,638,579, May 12.
Warning apparatus for gas testers. J. de Piccolellis and W. J. Montgomery. 2,637,019, Apr. 28.
Warning bulb. A. G. Trapani, Jr. 2,658,467, Nov. 10.
Warning device for motor vehicles, Courtesy. R. J. Ayres and D. G. Gumpertz. 2,655,642, Oct. 13.
Warning device for piston cylinders. R. R. Crookston. 2,632,420, Mar. 24.
Warning device for vehicles. J. P. Zappia. 2,657,379, Oct. 27.
Warning device, Vehicle. A. L. Matschke, Jr. 2,658,967, Nov. 10.
Warning light and stationary headlight, Combination. A. C. Heehler. 2,654,875, Oct. 6.
Warning light control system, Railway. A. C. Heehler. 2,645,763, July 14.
Warning light control system, Railway. T. E. McDowell. 2,645,766, July 14.
Warning signal. J. Insul. 2,659,336, Nov. 17.
Warning system, Flight hazard. M. Skoller. 2,631,277, Mar. 10.

Warning system for controlled rotary drilling. J. J. Arps. 2,658,724, Nov. 10.
Warp and other flanged beams, Manufacture of. S. Stanworth. 2,643,902, June 30.
Warp beam. C. P. Bergstrom. 2,645,433, July 14.
Warp beam. R. H. MacMillan. 2,652,993, Sept. 22.
Warp beam construction. S. A. Harris and C. A. Sinquefield. 2,651,478, Sept. 8.
Warp beam for weaving with safety locking device for the disks. G. Berta. 2,632,611, Mar. 24.
Warp beam or the like. S. Stanworth. 2,651,475, Sept. 8.
Warp guide bar operating mechanism. E. Bellini. 2,625,023, Jan. 13.
Warp-knitting machine, Flat. L. te Strake. 2,663,173, Dec. 22.
Warp stop motion for weaving looms and other textile machines. R. Robin. 2,650,623, Sept. 1.
Warp tension let-off device for looms. L. Ritsky. 2,646,081, July 21.
Warping machine. M. E. Leblanc. 2,640,251, June 2.
Washbasin and fluid dispenser therefor. F. T. Hilliker. 2,636,501, Apr. 28.
Wash cloth, including soap pocket and means for opening same. F. J. Logan. 2,635,273, Apr. 21.
Washout sub for well packers. L. J. Birdwell. 2,663,307, Dec. 22.
Washed air induction device for water pumping systems. C. Stevens. 2,626,138, Jan. 20.
Washer: *See*—
Automatic car washer.
Bearing washer.
Car, floor, and wall washer.
Continuous progressive cylinder washer.
Egg washer.
Foot washer.
Pneumatic agitator washer.
Portable glass washer.
Renewable fuse end washer.
Spring washer.
Up-ending washer.
Washer and cooler, Air. A. Yates. 2,631,019, Mar. 10.
Washer and drier, Combined clothes. V. E. Rimsha and A. C. Goodrich. 2,652,708, Sept. 22.
Washer and drier, Egg. W. H. Scribner. 2,628,376, Feb. 17.
Washer and extractor with resilient drive connection, Combined. B. W. Chapin. 2,656,699, Oct. 27.
Washer and squeezer extractor. M. W. Bowen. 2,652,709, Sept. 22.
Washer assembly, Nut and lock. R. E. Peckham. 2,631,633, Mar. 17.
Washer for blast furnace gases. W. L. Dawbarn. 2,663,557, Dec. 22.
Washer for fire hoses. C. M. McBeth. 2,651,312, Sept. 8.
Washer in cabinet, Retractable. F. Breckenridge. 2,630,000, Mar. 3.
Washer strip and method and apparatus for producing same. O. J. Poupitch. 2,649,125, Aug. 18.
Washing acid treated distillate. C. W. Stratford. 2,627,496, Feb. 3.
Washing agents. J. S. Brod and R. A. Henry. 2,626,264, Jan. 20.
Washing aluminum kitchen utensils. E. W. Detjen. 2,633,437, Mar. 31.
Washing and centrifugal drying machine, Combined. J. G. de Remer. 2,652,710, Sept. 22.
Washing and drying machine. G. Markovich. 2,651,892, Sept. 15.
Washing and drying machine, Centrifugal. P. E. Geldhof and L. Ringer. 2,656,042, Oct. 20.
Washing and extracting machine, Combined. J. B. Kirby. 2,645,917, July 21.
Washing and extracting machine having a flexible diaphragm. G. C. Graham. 2,654,240, Oct. 6.
Washing and sterilizing machine, Tray. C. M. O'Connor. 2,651,065, Sept. 8.
Washing apparatus. E. S. Stoddard. 2,635,941, Apr. 21.
Washing apparatus. W. A. Wasemann. 2,656,236, Oct. 20.
Washing apparatus. P. E. Whittington. 2,646,585, July 28.
Washing apparatus, Diaper. J. W. Sampson and C. M. Champion. 2,652,711, Sept. 22.
Washing apparatus for fruits, vegetables, and the like. W. E. Saxe. 2,631,596, Mar. 17.
Washing apparatus, Keg. G. F. Barrett. 2,634,734, Apr. 14.
Washing apparatus with cushion and drainage facilities. J. d'A. Y. H. Tcheong. 2,658,512, Nov. 10.
Washing articles by supersonic vibration in a flowing liquid, Method and apparatus for. S. Bagno. 2,647,846, Aug. 4.
Washing equipment, Textile print blanket. H. H. Bailey. 2,648,088, Aug. 11.
Washing glass bottles and composition therefor. M. L. Hassel. 2,628,943, Feb. 17.
Washing glove with water supply means, Car. A. E. Sullins. 2,663,890, Dec. 29.
Washing machine. H. D. Bowman. 2,658,371, Nov. 10.
Washing machine. W. Bretter. 2,660,045, Nov. 24.
Washing machine. B. W. Chapin. 2,656,702, Oct. 27.
Washing machine. K. Clark. 2,655,804, Oct. 20.
Washing machine. H. J. Criner. 2,630,001, Mar. 3.
Washing machine. G. C. Graham. 2,648,964, Aug. 18.
Washing machine. G. C. Graham. 2,663,176, Dec. 22.
Washing machines. F. P. Kelper. 2,647,386, Aug. 4.
Washing machine. P. G. Kemp. 2,649,706, Aug. 25.
Washing machine. J. B. Kirby. 2,658,372, Nov. 10.
Washing machine. C. C. Scheele. 2,647,388, Aug. 4.
Washing machine. T. R. Smith. 2,653,483, Sept. 29.
Washing machine. E. M. Van Dornick. 2,635,447, Apr. 21.
Washing machine. W. R. Walker. 2,634,739, Apr. 14.
Washing machine and agitator therefor, Clothes. F. H. McCormick and K. Clark. 2,642,733, June 23.
Washing machine and centrifugal extractor, Combined. T. R. Smith. 2,645,107, July 14.
Washing machine and centrifugal fluid extractor, Combined. T. R. Smith. 2,645,108, July 14.
Washing machine and control therefor. V. J. Wooster. 2,625,030, Jan. 13.
Washing machine and drier with liquid circulation. H. J. Rand. 2,633,726, Apr. 7.
Washing machine and roller therefor, Egg. A. Markusen and J. S. Bahnsen. 2,632,901, Mar. 31.
Washing machine and spin tub with one-way fluid drive, Combined. J. C. Sharp. 2,648,212, Aug. 11.
Washing machine and vibration damping means therefor. J. F. Young. 2,661,620, Dec. 8.
Washing machine, Automatic. H. J. Rand. 2,636,372, Apr. 28.
Washing machine, Ball bearing. G. D. Beaudry, J. T. Longdon, and T. R. Brink. 2,654,378, Oct. 6.
Washing machine, Centrifugal. K. Clark. 2,625,809, Jan. 20.
Washing machine centrifugal extractor support and damping mechanism. R. C. Oeler and A. R. Constantine. 2,642,996, June 23.
Washing machine, Clothes. D. K. Ferris. 2,637,190, May 5.
Washing machine control, Automatic. J. H. Palmer. 2,638,766, May 19.
Washing machine control mechanism. H. E. Morrison, P. E. Geldhof, and L. Ringer. 2,662,384, Dec. 15.
Washing machine drive mechanism. G. P. Castner. 2,625,244, Jan. 13.
Washing machine, Egg. G. W. Johnson. 2,640,209, June 2.
Washing machine, Egg. O. Zauner. 2,640,210, June 2.
Washing machine electrical control system, Automatic. S. B. Welch and E. G. Olthuis. 2,654,239, Oct. 6.
Washing machine for agitating clothes and cleansing liquid by the use of air jets submerged in said cleansing liquid. J. Barnes. 2,651,191, Sept. 8.
Washing machine, Fruit and vegetable. P. T. Ford. 2,635,614, Apr. 21.
Washing machine governed by a master control, Power-driven. H. Harvey. 2,650,489, Sept. 1.
Washing machine having flexible extractor and automatic control. G. C. Graham. 2,657,564, Nov. 3.
Washing machine having rotary tub with separate discharge means. W. J. Roth. 2,633,727, Apr. 7.
Washing machine having rotatable tub with upper and lower discharge means. G. P. Castner. Re. 23,626, Mar. 10.
Washing machine impeller having nonradial vanes. B. Pellerin. 2,659,226, Nov. 17.
Washing machine liners, Making. A. H. Gollings. 2,626,885, Jan. 27.
Washing machine, Microslide. E. A. and E. J. Anderes. 2,663,305, Dec. 22.
Washing machine, Print. C. W. Hutchins. 2,641,170, June 9.
Washing machine provided with conical rinse water distributing means. M. L. France and W. G. Landwier. 2,628,488, Feb. 17.
Washing machine provided with detergent lubricating means. A. Ellersgaard. 2,631,447, Mar. 17.
Washing machine provided with planetary drive means. D. A. Johnson. 2,627,741, Feb. 10.
Washing machine provided with removable transmission. C. G. Scheele. 2,627,175, Feb. 3.
Washing machine provided with resilient collapsible inlet. M. A. Kreitchman. 2,625,031, Jan. 13.
Washing machine provided with resilient vibration control door sealing means. W. C. Bruckman, M. A. Kreitchman, and W. J. Olson. 2,643,538, June 30.
Washing machine, Self-propelled automobile. D. A. Foutes. 2,646,586, July 28.
Washing machine, Squeezer extractor. F. Eberlein. 2,648,211, Aug. 11.
Washing machine, Surge type. P. P. Bazarnic. 2,636,504, Apr. 28.
Washing machine, Torque responsive. R. G. Olson. 2,634,595, Apr. 14.
Washing machine, Undercounter. G. H. Wotring. 2,654,386, Oct. 6.
Washing machine water inlet system. H. C. Sway. 2,655,024, Oct. 13.
Washing machine, Window. J. Puma. 2,634,448, Apr. 14.
Washing machine with a rotatable tub and a concentric basket. T. R. Smith. 2,637,187, May 5.
Washing machine with coacting motor drive and drain control. W. A. Ott. 2,649,705, Aug. 25.
Washing machine with direct motor drive. E. C. Williams. 2,660,044, Nov. 24.
Washing machine with endless work conveyer. E. R. Zademach and W. W. Clarke. 2,655,162, Oct. 13.
Washing machine with fluid drive. G. P. Castner. 2,648,213, Aug. 11.

Washing machine with rotatable tub having a centrifugally operated valve. T. R. Smith. 2,641,918, June 16.
Washing machine with vacuum drying. G. W. Johnson. 2,641,916, June 16.
Washing machine with water motor having an exhaust connected to washer tub. J. M. Tyrner. 2,649,704, Aug. 25.
Washing milking machines, Method of and apparatus for. A. E. Anderson. 2,650,179, Aug. 25.
Washing the side seams of can bodies. W. McK. Martin, W. F. Pilinik, and D. E. Wobbe. 2,650,178, Aug. 25.
Washing-up machine. S. G. Salomonsson. 2,661,240, Dec. 1.
Waste and overflow fitting. V. P. Steele. 2,635,254, Apr. 21.
Waste bank leveler. O. L. Jones. 2,634,853, Apr. 14.
Waste carton crusher. W. R. Boutwell. 2,660,110, Nov. 24.
Waste cotting material localizer. G. A. Harker, G. J. Knetl, and R. Nelson. 2,650,080, Aug. 25.
Waste collector on thread-working textile machines, Pneumatic. W. Siegenthaler. 2,651,473, Sept. 8.
Waste collector, Traveling. J. L. Ramm. 2,634,560, Apr. 14.
Waste disposal. C. W. Rice. 2,640,807, June 2.
Waste disposal device. H. Jordan. 2,664,247, Dec. 29.
Waste disposing device. O. C. Norton. 2,650,708, Sept. 1.
Waste eliminator, Smoke and fuel. W. V. Driscoll. 2,632,376, Mar. 24.
Waste fitting. R. E. Russell. 2,644,543, July 7.
Waste grab preventer and lubricating device. E. L. Yelverton. 2,649,343, Aug. 18.
Waste-packed oil filter. H. C. Thorne. 2,655,264, Oct. 13.
Waste receptacle. H. G. Davis. 2,644,737, July 7.
Waste-retrieving device. W. J. Reynolds. 2,636,645, Apr. 28.
Waste stripping mechanism for carton blank forming apparatus. G. Kane. 2,647,446, Aug. 4.
Waste treating and disposal unit. E. L. Morris. 2,630,577, Mar. 10.
Waste treatment and disposal for vehicles, Sanitary. A. Wolman and W. A. Hablett. 2,658,202, Nov. 10.
Watch, Alarm wrist. R. Ditisheim. 2,644,294, July 7.
Watch balance and staff. L. W. Mutley. 2,648,188, Aug. 11.
Watch bracelet end connector. L. Armbruster. 2,654,934, Oct. 13.
Watchcase. A. J. Geoffrion. 2,641,901, June 16.
Watchcase, Waterproof. W. Bondy. 2,656,674, Oct. 27.
Watchcase with cover. H. Dinstman. 2,636,338, Apr. 28.
Watch, Electric. F. Koehler. 2,662,366, Dec. 15.
Watch, Electrically wound and set. A. R. Nelson. 2,658,329, Nov. 10.
Watchmaker's tool. N. F. Slack. 2,656,741, Oct. 27.
Watch mechanism, Self-winding. G. Dubois. 2,645,895, July 21.
Watch movement having an automatic winding mechanism. H. Thiéband. 2,661,591, Dec. 8.
Watch, Multiornamented. R. Melik-Minassiantz. 2,629,981, Mar. 3.
Watch regulating apparatus. T. B. Gibbs. 2,640,349, June 2.
Watch setter, Universal. F. Galley. 2,654,213, Oct. 6.
Watch strap spring bar. A. I. Coleman. 2,632,935, Mar. 31.
Water applicator for pottery ware jiggers. A. J. Briggs. 2,629,160, Feb. 24.
Waterbag carrier. J. F. Garrett. 2,640,635, June 2.
Water bag carrier. M. H. Palmer. 2,628,750, Feb. 17.
Water channel control gate. R. A. Hill. 2,658,351, Nov. 10.
Water clarification apparatus and method. J. D. Walker. 2,635,757, Apr. 21.
Water cleaning apparatus. L. B. Gilcrest. 2,650,711, Sept. 1.
Water color process, Exposition. K. Shreedharan. 2,662,325, Dec. 15.
Water conditioner. A. W. Frazier. 2,647,871, Aug. 4.
Water control for disposal units. J. H. Powers. 2,654,540, Oct. 6.
Water cooler. L. R. Erwin and J. B. Griffith. 2,638,751, May 19.
Water cooler. H. W. Taylor. 2,650,800, Sept. 1.
Water cooling and saving arrangement for electrical welders. F. A. Van Vooren. 2,629,804, Feb. 24.
Water cooling arrangement for refrigerators. H. A. Wyman, Jr. 2,644,316, July 7.
Water cooling tower, Mechanical draft. F. M. Stephens. 2,636,371, Apr. 28.
Watercraft. L. Piatak. 2,634,436, Apr. 14.
Watercraft, Foot-powered. F. Shelverton. 2,641,217, June 9.
Water curtain projecting device for use with sand blasting apparatus. J. Hoguet. 2,644,275, July 7.
Water detector. W. E. Lasky and R. W. Senift. 2,642,478, June 16.
Water discharge fitting for fuel tanks and the like. P. S. Jernigan. 2,652,926, Sept. 22.
Water dispenser. J. R. Mumma. 2,637,819, May 5.
Water-dispersible metal soap compositions. J. Cunder and F. J. Licata. 2,660,567–8, Nov. 24.
Water-dispersible phenothiazine preparation. D. E. Vierling. 2,664,380, Dec. 29.
Water displacing rust preventive compositions and coating a base therewith. W. A. Zisman and H. R. Baker. 2,647,839, Aug. 4.
Water fluoridation and impurity coagulation. W. E. White. 2,643,226, June 23.
Water gap gate. W. B. King. 2,636,296, Apr. 28.
Water-gas generation. S. B. Sweetser and W. G. Scharmann. 2,652,319, Sept. 15.
Water gas, Production of. F. T. Barr. 2,657,987, Nov. 3.
Water gas, Production of. F. T. Barr and K. J. Nelson. 2,657,986, Nov. 3.
Water gas shift catalyst preparation and water gas shift process. O. W. Moak and W. E. Spicer. 2,631,086, Mar. 10.
Water gate. A. T. Black. 2,637,171, May 5.
Water-glass compositions, Self-hardening. K. Dietz. 2,662,022, Dec. 8.
Water heater. J. Berger. 2,642,271, June 16.
Water heater. J. F. Dunn. 2,659,804, Nov. 17.
Water heater. E. E. Granger. 2,653,583, Sept. 29.
Water heater. C. W. Montgomery. 2,636,482, Apr. 28.
Water heater and still. A. W. Baer, Jr. 2,625,506, Jan. 13.
Water heater apparatus. K. L. Woodman. 2,649,532, Aug. 18.
Water-holding and dispensing receptacle. N. W. Roop. 2,652,283, Sept. 15.
Water impermeable, water vapor permeable coating. B. W. Habeck. 2,626,941, Jan. 27.
Water impervious closure for washing apparatus. F. D. Low. 2,655,165, Oct. 13.
Water-in-oil emulsion drilling fluid. J. L. Lummus. 2,661,334, Dec. 1.
Water inlet structure for outboard motors. B. Carlson and J. E. Betzold. 2,652,802, Sept. 22.
Water inlet system for automatic washing machines. H. E. Stocking. 2,643,665, June 30.
Water-insoluble monoazodyestuffs. E. Fischer. 2,644,814, July 7.
Water-insoluble salts of dithiocarbamic acid made rapidly water dispersible and compositions thereof. E. A. Fike and H. E. Bruner. 2,662,841, Dec. 15.
Watermelon crusher and seed separator. L. J. Quilling. 2,657,801, Nov. 3.
Water planing undercarriage with flotation means for aircraft. R. B. Janney, II. 2,643,835, June 30.
Waterproof and pressureproof connector. H. W. Allen. 2,655,638, Oct. 13.
Waterproof laminated mattress pad. V. H. Baum. 2,660,735, Dec. 1.
Waterproof plastic covered bust pad. J. M. De Grandis. 2,627,606, Feb. 10.
Waterproof receptacle. W. V. Richards. 2,626,299, Jan. 20.
Waterproofing unit. H. Green. 2,648,264, Aug. 11.
Water pump. C. H. Elsenhuth. 2,625,111, Jan. 13.
Water purification process and apparatus. C. P. Sherwood. 2,632,733, Mar. 24.
Water purification unit. C. B. Moller. 2,648,291, Aug. 11.
Water purifier. H. G. Gentry. 2,624,705, Jan. 6.
Water purifying and degasifying apparatus and process. W. H. Green and J. M. Kahn. 2,629,689, Feb. 24.
Water purifying device for aquariums. A. J. Schwartz and S. H. Barbour. 2,636,473, Apr. 28.
Water regulator valve. W. W. Wood. 2,625,171, Jan. 13.
Water removing device for vehicle ventilating windows. A. J. Bohn. 2,642,308, June 16.
Water repellence fixative treatment. S. F. Urban and W. B. Blumenthal. 2,641,558, June 9.
Water repellent composition. H. G. Figdor. 2,635,055, Apr. 14.
Water-repellent nonfibrous cellulosic material and preparing same. W. M. Wooding and T. J. Suen. 2,646,368, July 21.
Water replenishing device for storage batteries. S. F. Bashara. 2,663,751, Dec. 22.
Water-reservoir construction. W. G. Ribeiro. 2,658,520, Nov. 10.
Water resistant grease. F. H. Stross. 2,625,508, Jan. 13.
Water resistant paper coatings and making same from urea formaldehyde, ammonium metaphosphate, amylaceous material and clay. R. N. Thompson. 2,652,374, Sept. 15.
Water resistant protein materials. H. J. Hagemeyer, Jr. 2,663,617, Dec. 22.
Water-saving device for flush tanks. A. E. Blair. 2,626,401, Jan. 27.
Water saving flush tank. H. V. Becker. 2,645,780, July 21.
Water seal for log barking drums. G. F. McClay. 2,658,539, Nov. 10.
Water sealing device for automotive wheels. A. J. Kayser. 2,657,104, Oct. 27.
Water separator. P. A. Mankin. 2,657,808, Nov. 3.
Water service fixture. J. K. Murdock and E. Le Roy. 2,630,130, Mar. 3.
Water service fixture. J. K. Murdock, E. Le Roy, and H. F. Oswald. 2,664,096, Dec. 29.
Water shoe. L. A. Geiger. 2,651,790, Sept. 15.
Water soaking of rayon cakes before centrifugal washing. E. Doud. 2,647,038, July 28.
Water softener. E. F. Anderson. 2,627,503, Feb. 3.

Water softener control means. E. C. Reynolds. 2,630,325, Mar. 3.
Water-soluble α-arylaminoanthraquinone derivatives. D. I. Randall and E. E. Renfrew. 2,664,427, Dec. 29.
Water soluble cationic resins. R. W. James and W. B. Pings. 2,626,251, Jan. 20.
Water-soluble cellulose ethers, Manufacture of. J. Downing and J. G. N. Drewitt. 2,664,422, Dec. 29.
Water-soluble complex of vitamin E and plasma proteins. S. R. Ames. 2,628,227, Feb. 10.
Water-soluble compound of theophylline and 3-aminomethyl-pyridine and the manufacture thereof. R. Schläpfer. 2,653,939, Sept. 29.
Water-soluble copolymers of salts of monoalkyl esters of maleic acid. W. K. Wilson. 2,643,246, June 23.
Water-soluble esters of cortisone and related compounds. H. Minlon. 2,656,366, Oct. 20.
Water-soluble heteropolymers from styrene, maleic anhydride and a cross-linking reactant. R. B. Seymour. 2,647,886, Aug. 4.
Water-soluble hormone compounds. R. Salkin. 2,636,042, Apr. 21.
Water-soluble mono-betaine hydrazones of the aminochromes and preparing same. H. Sobotka. 2,655,510, Oct. 13.
Water-soluble resin sulphonates, Production of. A. S. Teot and G. C. Wiggins. 2,640,820, June 2.
Water-soluble urea-aldehyde condensation products and making same. F. Köhler. 2,650,910, Sept. 1.
Water-spray gun for attachment to pressing irons. F. H. Richterkessing. 2,637,597, May 5.
Water spraying and debris moving device. G. C. Davidson. 2,638,730, May 19.
Water system. C. O. Messing. 2,656,795, Oct. 27.
Water temperature control valve. E. J. Horrell. 2,629,400, Feb. 24.
Watertight and gastight shipping container. S. Bergstein. 2,630,262, Mar. 3.
Watertight cable connector. A. J. Wayman. 2,651,529, Sept. 8.
Water trap for air lines. A. C. Allen and Z. J. Lansky. 2,629,458, Feb. 24.
Water trap for gasoline tanks. H. B. Hatfield, Jr. 2,625,268, Jan. 13.
Water treating apparatus. J. F. Sebald. 2,643,976, June 30.
Water trough. E. Murphy. 2,625,289, Jan. 13.
Water tube boiler. A. E. Forest. 2,630,103, Mar. 3.
Water tube boiler. F. A. Vedder. 2,652,814, Sept. 22.
Water tube for fluid operated rock drills. C. F. Buccanero. 2,646,967, July 28.
Water volume control. C. G. Vonk. 2,651,693, Sept. 8.
Water wheel. L. C. Wales. 2,632,625, Mar. 24.
Waterer, Automatic poultry. J. T. Polhemus. 2,653,572, Sept. 29.
Waterer, Stock. C. H. Nelson. 2,664,070, Dec. 29.
Watering device, Livestock. R. J. Boyd. 2,628,631, Feb. 17.
Watering device, Poultry. L. D. Banks. 2,652,028, Sept. 15.
Watering device, Poultry. J. W. Goff. 2,654,346, Oct. 6.
Wattmeter for electric high-frequency currents. J. Vackář. 2,648,048, Aug. 4.
Wattmeter, Integrating direct current. R. W. Gilbert. 2,663,846, Dec. 22.
Wattmeter, Recording. E. C. Gregg, Jr. 2,646,547, July 21.
Wattmeter, Thermocouple. E. C. Gregg, Jr. 2,644,923, July 7.
Wattmeter, Varmeter. W. B. Boast and J. D. Ryder. 2,661,[illegible], Dec. 1.
Wattmeter, Wave guide calorimeter. L. M. Hollingsworth. 2,648,047, Aug. 4.
Wave attenuator. H. Honda. 2,634,331, Apr. 7.
Wave-energy direction-finding apparatus. F. Errington. 2,636,126, Apr. 21.
Wave filtering device, Electromagnetic. J. Reed. 2,629,015, Feb. 17.
Wave-form analyzing apparatus. W. G. Walter. 2,648,822, Aug. 11.
Wave form converter. H. J. Horn and C. M. Russell. 2,642,525, June 16.
Wave generator. E. R. McCoppin. 2,654,843, Oct. 6.
Wave guide attenuator. W. Altar. 2,660,713, Nov. 24.
Wave guide attenuator. W. E. Good. 2,656,518, Oct. 20.
Wave-guide attenuator and modulator. T. Miller and R. H. Webb. 2,629,079, Feb. 17.
Wave guide directional coupler. C. E. Arnold. 2,643,298, June 23.
Wave guide duplexer. H. J. Riblet. 2,627,573, Feb. 3.
Wave-guide elbow. W. J. Albersheim. 2,649,578, Aug. 18.
Wave guide elbow joint. C. W. Miller, G. Saxon, and M. C. Crowley-Milling. 2,640,877, June 2.
Wave guide feed. W. Sichak. 2,632,852, Mar. 24.
Wave guide, Flexible hollow pipe. J. J. Phillips and A. F. Darey. 2,636,083, Apr. 21.
Wave-guide isolation coupling system. W. C. Babcock and H. W. Nylund. 2,639,371, May 19.
Wave guide joint. A. C. Beck and H. T. Friis. 2,630,489, Mar. 3.
Wave guide joint. H. A. Kirkpatrick and E. H. Krohn. 2,632,807, Mar. 24.
Waveguide radiator, Electromagnetic. L. J. Chu. 2,646,506, July 21.
Wave guide transducer. A. P. King. 2,656,513, Oct. 20.
Wave guide window, Sealed. R. C. Edson. 2,637,776, May 5.
Wave length indicator in spectral apparatus. G. Hansen. 2,664,024, Dec. 29.
Wavemeter, Wide-band. H. F. Mataré. 2,639,388, May 19.
Wave shaping circuit. R. H. Pierce. 2,641,649, June 9.
Wave signal frequency-changing system with constant current biased frequency changing device. J. F. Bell and R. M. Nordby. 2,640,919, June 2.
Wave-signal receiver, Angular velocity modulated. B. D. Loughlin. 2,633,527, Mar. 31.
Wave signal translating and separation system. H. R. L. Lamont and R. G. Robertshaw. 2,651,759, Sept. 8.
Wave signal transponder system. M. K. Taylor and I. N. Vaughan-Jones. 2,644,078, June 30.
Wave system, Selective electromagnetic. G. C. Southworth. 2,636,125, Apr. 21.
Wave translating system. J. G. Kreer, Jr. 2,642,473, June 16.
Wave transmission system and synthesizing a given electrical characteristic. W. R. Bennett. 2,640,105, May 26.
Waving hair. R. E. Melaro. 2,624,347, Jan. 6.
Waving of hair, Permanent. E. O. Schnell. 2,631,965, Mar. 17.
Wax applicating and dispensing unit. A. A. Johnson. 2,653,335, Sept. 29.
Wax applicating and dispensing unit. A. A. Johnson. 2,653,338, Sept. 29.
Wax article and preparation, Nonsticking. N. Thompson. 2,643,973, June 30.
Wax coating apparatus. J. A. Zinn, Jr., O. Wennberg, and J. Swendsen. 2,651,284, Sept. 8.
Wax composition. W. L. Thompson and J. V. Lawson. 2,638,411, May 12.
Wax composition and producing wax. W. T. Knox, Jr. 2,660,553, Nov. 24.
Wax flaker. C. L. Hall. 2,654,123, Oct. 6.
Wax models for precision casting, Manufacture of. N. Rolaston. 2,635,294, Apr. 21.
Wax modifying agent. E. Lieber and A. F. Cashman. 2,633,471, Mar. 31.
Wax-oil separation. P. S. Backlund and V. N. Jenkins. 2,625,502, Jan. 13.
Wax product and preparing same. S. W. Ferris. 2,624,693, Jan. 6.
Wax refining process. W. M. Mazee and A. B. Swart. 2,641,569, June 9.
Wax slabbing method. A. J. Bevevino. 2,644,196, July 7.
Wax winding and slabbing device. A. J. Bevevino. 2,644,645, July 7.
Waxed paper, Preparing high-glaze. W. M. Mazee and H. J. Loois. 2,659,683, Nov. 17.
Waxer. M. Soss. 2,636,204, Apr. 28.
Waxer, Floor. M. Ray. 2,642,605, June 23.
Way construction. E. P. Bullard. 2,654,640, Oct. 6.
Way construction for machine tools. W. E. Rutz. 2,630,353, Mar. 3.
Wear indicating device for drill bits. D. L. Del'Homme. 2,647,729, Aug. 4.
Wear indicator. W. J. Bielstein. 2,657,909, Nov. 3.
Wear resistant tool joint. R. W. Lewis and S. C. Moore. 2,653,061, Sept. 22.
Wear resisting insert for core making apparatus. E. F. Peterson. 2,659,119, Nov. 17.
Wear take-up mechanism for internal expanding hydraulic brakes, Automatic. J. A. Shipes. 2,649,168, Aug. 18.
Weather map plotter, Automatic. R. E. Offeman. 2,646,732, July 28.
Weatherproof covering closure fastener. J. R. La Mond. 2,650,401, Sept. 1.
Weatherproof enclosure for electrical devices. R. R. McGee. 2,656,948, Oct. 27.
Weather-resistant concrete. P. J. Keating, Jr. 2,625,489, Jan. 13.
Weather seal for automobile bodies with convertible tops, Automatic rear quarter. C. H. Schamel and H. A. Mackie. 2,649,330, Aug. 18.
Weather seal for jalousie windows. D. C. Blanchard. 2,654,921, Oct. 13.
Weatherstrip. W. H. Hardgrave. 2,663,056, Dec. 22.
Weatherstrip construction. J. Chalik and P. G. Torosian. 2,655,698, Oct. 20.
Weatherstrip for hatch covers. J. MacGregor. 2,633,613, Apr. 7.
Weatherstrip for metal casement windows. T. O. Craig, Jr. and J. M. Lewis. 2,651,392, Sept. 8.
Weatherstrip for windows, Adjustable. E. C. Miles. 2,642,636, June 23.
Weather strip mounting for closures. R. J. Folse. 2,661,510, Dec. 8.
Weather strip seal for door bottoms. F. R. Smith and L. E. Willett. 2,629,147, Feb. 24.
Weathering operator for jalousie windows. R. H. Zankl. 2,635,306, Apr. 21.
Weaving loom cloth beam support. J. Picanol. 2,638,939, May 19.
Weaving machinery and control. A. Moessinger. 2,639,732, May 26.
Weaving shuttle of molded material having embedded tip-anchoring means. W. J. Gosselin. 2,658,533, Nov. 10.

Weaving shuttle with round bobbin. E. Egli. 2,643,685, June 30.
Weaving shuttle with thread-cutting anvil. W. J. Goselin. 2,649,119, Aug. 18.
Web accelerating mechanism for web splicing devices. P. L. Tollison. 2,638,281, May 12.
Web accumulator. C. L. Hornberger. 2,631,847, Mar. 17.
Web extrusion die. H. T. Tornberg. 2,628,386, Feb. 17.
Web feeding means for container forming apparatus. L. B. Eaton. 2,636,730, Apr. 28.
Web feeding means for container forming apparatus. S. R. Howard. 2,636,731, Apr. 28.
Web feeding mechanism for cash registers and the like. F. R. Werner. 2,661,061, Dec. 1.
Web feeding mechanism for photographic apparatus and the like. J. F. Craib. 2,628,834, Feb. 17.
Web feeding mechanism for screen printing machines. H. F. Worm. 2,625,393, Jan. 13.
Web feeding method and means for container forming apparatus. S. R. Howard. 2,636,732, Apr. 28.
Web handling machine. R. T. Stewart. 2,655,212, Oct. 13.
Web handling mechanism. E. G. Rice. 2,624,573, Jan. 6.
Web interfolding apparatus and method. O. E. Teall. 2,642,279, June 16.
Web or mat forming device. D. L. Schubert and A. H. De Meerleer. 2,635,301, Aug. 21.
Web perforating mechanism. G. Kane. 2,628,681, Feb. 17.
Web pleating and cutting machine. A. A. Muehling. 2,631,508, Mar. 17.
Web printing press. W. Säuberlich. 2,651,992, Sept. 15.
Web-renewing mechanism. T. R. Bennett. 2,654,545, Oct. 6.
Web roll renewing. W. C. Wieking. 2,646,938, July 28.
Web roll winder. G. Baechli. 2,652,206, Sept. 15.
Web severing device. C. P. Feldhausen, R. M. Lommen, and W. H. Rouse. 2,654,431, Oct. 6.
Web-slitting machine with minutely variable cutting-roll equipment. M. Schneider. 2,643,719, June 30.
Web tension control for printing presses. K. G. Laycock. 2,637,506, May 5.
Web tensioning and driving device. G. H. Wheldon. 2,631,791, Mar. 17.
Web tensioning and driving mechanism. G. H. Wheldon. 2,631,790, Mar. 17.
Web tensioning device. P. A. Sperry. 2,637,891, May 12.
Web tensioning means. K. G. Laycock. 2,637,505, May 5.
Wedge for tools having wooden handles. F. Nooney. 2,653,059, Sept. 22.
Wedge-heel shaping machine. G. R. Constantine and A. F. Ball. 2,639,742, May 26.
Wedge nut and structure employing wedge nuts. P. Rosenberg. 2,645,264, July 14.
Wedge operated construction clamp. H. P. Neptune. 2,633,167, Mar. 31.
Wedge rope clamp. J. Belpedio. 2,629,155, Feb. 24.
Wedge type wire connector. H. P. Dupre. 2,648,883, Aug. 18.
Weed cutter. E. Schlueter. 2,651,907, Sept. 15.
Weed deflector and tying wire guide for baling presses. R. E. Lizenbee. 2,655,861, Oct. 20.
Weed destroying device. L. D. Stoner. 2,659,918, Nov. 24.
Weed killer. F. J. Sowa. 2,626,211, Jan. 20.
Weed puller. J. T. W. Moseley. 2,663,543, Dec. 22.
Weeder, Garden. G. S. Butler. 2,642,305, June 16.
Weeder, Portable. W. C. Hands, Jr. 2,625,867, Jan. 20.
Weeder, Rod. T. E. Kempling. 2,628,546, Feb. 17.
Weft detector and stop motion for weaving looms. T. Hindle. 2,638,942, May 19.
Weft detector for looms. S. F. Siciliano. 2,628,641, Feb. 17.
Weft detector, Side slipping. C. Darwin. 2,633,158, Mar. 31.
Weft replenishing apparatus for circular looms. J. Dunod. 2,624,368, Jan. 6
Weft replenishing loom. A. C. Krukonis and W. H. Wakefield. 2,627,285, Feb. 3.
Weft replenishing loom. W. H. Wakefield. 2,627,286, Feb. 3.
Weft stop motion for narrow fabric looms. M. Siegel. 2,661,028, Dec. 1.
Weigh hopper. J. N. Richardson. 2,636,648, Apr. 28.
Weigher, Automatic. H. Schmid and A. P. Hobush. 2,641,436, June 9.
Weigher, Check. L. H. Bowes. 2,661,201, Dec. 1.
Weigher, Check. E. J. Capstack, G. Weber, and A. Zuccarini. 2,633,972, Apr. 7.
Weighing and bagging apparatus, Nut. H. L. Gibson. 2,659,564, Nov. 17.
Weighing and feed device having volume and dribble feed. J. P. Voller. 2,624,443, Jan. 6.
Weighing and grading apparatus, Egg. O. Parker. 2,663,422, Dec. 22.
Weighing and packaging machine. M. B. Monson. 2,642,276, June 16.
Weighing and separating device, Automatic. H. C. Kegg. 2,654,558, Oct. 6.
Weighing and sorting apparatus. O. A. Boyer. 2,646,881, July 28.
Weighing apparatus. J. Last. 2,624,563, Jan. 6.
Weighing apparatus. C. B. McHale and E. H. Janssen. 2,641,459, June 9.
Weighing apparatus, Material. G. P. Adams. 2,650,791, Sept. 1.
Weighing device. H. F. Coffey. 2,638,304, May 12.
Weighing device. H. L. MacBride. 2,657,921, Nov. 3.
Weighing device for hydraulic loaders, Load. G. C. Reid and R. B. Chambers. 2,635,868, Apr. 21.
Weighing device, Torsion. K. R. Larson. 2,641,460, June 9.
Weighing device with electrical valve control means. G. F. Chodziesner. 2,646,904, July 28.
Weighing machine. M. Knobel. 2,634,080–2, Apr. 7.
Weighing machine. J. J. Thayer. 2,646,270, July 21.
Weighing machine. A. Wirth. 2,656,176, Oct. 20.
Weighing machine and feed control means therefor, Automatic. L. W. Aldridge. 2,626,042, Jan. 20.
Weighing machine, Automatic lot. J. N. Schrock and C. E. and H. Watson. 2,624,538, Jan. 6.
Weighing mechanism for solids, Continuous. F. E. Gilmore. 2,652,141, Sept. 15.
Weighing mechanism, Photoelectric. D. W. Molins, C. Best, and E. A. Chandler. Re. 23,738, Nov. 17.
Weighing meter. J. Lindstrom. 2,638,865, May 19.
Weighing scale indicator. M. A. Weckerly. 2,626,142, Jan. 20.
Weighing scale lens frame mounting. N. E. Hart. 2,652,020, Sept. 15.
Weighing scale stabilizing mechanism. N. E. Hart. 2,625,444, Jan. 13.
Weight analyzer, Multiple platform. K. J. Kraus. 2,653,475, Sept. 29.
Weight checking device. J. P. Voller. 2,625,266, Jan. 13.
Weight classifier, Mechanical. A. Horner and P. E. Story. 2,642,184, June 16.
Weight deviation testing device. J. A. Sargrove. 2,664,557, Dec. 29.
Weight distribution testing apparatus. S. S. Ulrich. 2,644,332, July 7.
Weight indicator assembly, Live line load. A. L. Seljos. 2,659,575, Nov. 17.
Weight indicator assembly, Live load. R. R. Crookston. 2,659,574, Nov. 17.
Weight on bit indicator. J. T. Hayward. 2,651,198, Sept. 8.
Weight proportioning means and method. R. L. Miller. 2,638,305, May 12.
Weight sensing device. L. B. Scott. 2,645,121, July 14.
Weight support and lifting device. J. P. Arnold. 2,638,657, May 19.
Weight supporting fabric. J. E. Lilienfeld. 2,659,957, Nov. 24.
Weighting and mixing device. J. G. Blakey. 2,653,786, Sept. 29.
Weld L cutting and beveling machine, Vertical. W. R. Reed. 2,652,243, Sept. 15.
Weld rod. A. T. Cape. 2,650,162, Aug. 25.
Weld wheel construction for seam welders. A. L. Williams and E. A. Craig. 2,643,318, June 23.
Welded blade structures, Making. E. D. Hoesch and R. G. Matters. 2,654,143, Oct. 6.
Welded corner post assembly. J. E. Candlin, Jr. 2,638,854, May 19.
Welded pressed steel dual wheel. D. W. Sherman. 2,653,057, Sept. 22.
Welded railway car truck frame. E. J. Charlton and L. W. Edwards. 2,637,279, May 5.
Welded tubing from strip metal stock, Making. A. M. Wallace. 2,631,361, Mar. 17.
Welder head construction, Pneumatically operated. F. F. Folmer. 2,661,599, Dec. 8.
Welder's chair. W. Michalowski. 2,635,926, Apr. 21.
Welding and annealing metal articles, Method of and apparatus for. J. H. Corson, E. A. Suverkrop, and D. Lewis. 2,627,009, Jan. 27.
Welding apparatus. R. E. Dahl. 2,641,673, June 9.
Welding apparatus. K. F. Johnson, F. J. La Mere, and O. C. Winzen. 2,660,218, Nov. 24.
Welding apparatus. J. R. Parsons. 2,640,180, May 26.
Welding apparatus. E. L. Tichenor and W. F. Cremins. 2,658,162, Nov. 3.
Welding apparatus and welding system. I. J. Pickering. 2,653,277, Sept. 22.
Welding apparatus, Arc. N. E. Anderson and E. T. Sullivan. 2,659,797, Nov. 17.
Welding apparatus, Arc. J. M. Tyrner. 2,628,302, Feb. 10.
Welding apparatus, Electric. N. E. Anderson. 2,659,796, Nov. 17.
Welding apparatus for plowshares. O. W. Brown. 2,636,105, Apr. 21.
Welding apparatus, Portable electric spot. C. H. Watson. 2,644,067, June 30.
Welding apparatus, Transportable. K. J. Aversten. 2,661,428, Dec. 1.
Welding beryllium and beryllium alloys. D. C. Martin. 2,658,981, Nov. 10.
Welding control. J. F. Schmidt. 2,625,651, Jan. 13.
Welding device. H. J. Graham. 2,644,068, June 30.
Welding electrode. J. C. Souter. 2,655,583, Oct. 13.
Welding electrode. S. Svantesson. 2,635,166, Apr. 14.
Welding electrode. J. Vazquez-Arias. 2,636,103, Apr. 21.
Welding electrode. R. D. Wasserman. 2,632,080, Mar. 17.
Welding electrode, Coated. R. D. Wasserman. 2,632,835, Mar. 24.

Welding electrode holder. E. W. Huebner. 2,652,472, Sept. 15.
Welding ends of copper coils. E. H. Koenig and J. Chesnavich. 2,649,528, Aug. 18.
Welding generator. M. Beymer. 2,626,367, Jan. 20.
Welding head. R. E. Dahl. 2,628,301, Feb. 10.
Welding head. S. H. Lamport. 2,624,391, Jan. 6.
Welding head, Annular segmental. O. R. Smith. 2,634,633, Apr. 14.
Welding head for simultaneously effecting a series of spot welds according to the double spot method. K. Eisenburger. 2,661,416, Dec. 1.
Welding jig for repairing plowshares. L. O. Wiese. 2,659,332, Nov. 17.
Welding machine. L. Braun. 2,655,585, Oct. 13.
Welding machine and control and actuating mechanism. E. J. Svenson. 2, 656,445, Oct. 20.
Welding machine, Pipe. R. H. Taylor. 2,635,573, Apr. 21.
Welding method and article produced thereby. C. G. Anderson. 2,629,806, Feb. 24.
Welding, Method of and apparatus for. E. B. Neff. 2,654,129, Oct. 6.
Welding of metal, Cold. A. B. Sowter. 2,639,633, May 26.
Welding or cutting metal and other materials by chlorine fluoride torch. A. V. Grosse. 2,642,656, June 23.
Welding process and apparatus. A. R. Meyer. 2,638,524, May 12.
Welding rod. R. D. Wasserman. 2,626,339, Jan. 20.
Welding stainless steel. P. S. Viles. 2,626,459, Jan. 27.
Welding stainless steel. P. S. Viles. 2,638,665, May 19.
Welding stud and arc welding. A. M. Candy. 2,638,525, May 12.
Welding system. H. J. Graham. 2,625,638, Jan. 13.
Welding system. J. F. Randall and R. E. Brooks. 2,631,215, Mar. 10.
Welding turbine rotors. G. E. Linnert. 2,663,075, Dec. 22.
Welding vise. J. G. Thomas. 2,660,141, Nov. 24.
Weldment and making high tensile steel weldments by electric arc welding. F. G. Danhier. 2,642,965, June 23.
Well apparatus, Cushioned gas-operated. R. C. Baker. 2,644,529, July 7.
Well apparatus with expansion retarding device, Gas-operated. R. C. Baker. 2,644,530, July 7.
Well bailer. W. B. Harrell and A. H. Trester. 2,624,414, Jan. 6.
Well bore measuring and fluid metering device. K. R. More and W. G. Middleton, Jr. 2,636,383, Apr. 28.
Well bore retrieving tool. J. E. Ortloff. 2,637,590, May 5.
Well bridge. W. A. Schillinger. 2,646,845, July 28.
Well caliper. H. J. Eastman and J. G. Jackson. 2,645,027, July 14.
Well casing apparatus, Side ported. F. H. Lee. 2,630,998, Mar. 10.
Well casing cementing apparatus. F. H. Lee. 2,630,999, Mar. 10.
Well casing perforator. G. F. Turechek and W. H. Lindsay, Jr. 2,662,474, Dec. 15.
Well casing soil sampler. H. E. Hylbak. 2,646,252, July 21.
Well cementing. J. B. Clark. 2,662,827, Dec. 15.
Well cementing materials and their application. H. G. Cutforth. 2,646,846, July 28.
Well cementing plug. R. C. and J. R. Baker. 2,662,600, Dec. 15.
Well cementing shoe. J. G. Oliver. 2,654,435, Oct. 6.
Well construction. J. M. Dunn. 2,646,129, July 21.
Well construction, Pitless. J. G. Baker. 2,657,637, Nov. 3.
Well deepening apparatus. E. E. Jones. 2,662,603, Dec. 15.
Well digging apparatus. D. E. Straitiff. 2,653,794, Sept. 29.
Well drilling and testing, Method and apparatus for. D. B. Grable. 2,663,545, Dec. 22.
Well drilling apparatus. W. J. Williams. 2,638,988, May 19.
Well drilling composition and manufacture thereof. H. W. Rahn. 2,650,194, Aug. 25.
Well drilling composition and manufacture thereof. H. W. Rahn. 2,650,196–7, Aug. 25.
Well drilling device. J. B. Andrews, Jr. 2,637,527, May 5.
Well drilling rig. T. S. Graham. 2,628,818, Feb. 17.
Well flow apparatus. V. A. Kagay. 2,630,073, Mar. 3.
Well flow apparatus. A. I. Robinson. 2,642,812, June 23.
Well flow apparatus and system. C. D. Fletcher. 2,642,811, June 23.
Well flowing device. H. U. Garrett and C. M. Peters. 2,663,265, Dec. 22.
Well fluid stabilizer. A. C. Hartsell. 2,633,202, Mar. 31.
Well fluid stabilizer. A. C. Hartsell. 2,641,322, June 9.
Well formation packer assembly for measuring gas-oil ratios. G. D. Barton. 2,655,038, Oct. 13.
Well formation testing tool. C. W. Breukelman. 2,646,127, July 21.
Well formation tool. J. Lynes. 2,630,864, Mar. 10.
Well gun. H. W. Harrison. 2,636,561, Apr. 28.
Well head. M. R. Jones. 2,639,169, May 19.
Well-head apparatus. C. C. Brown. 2,660,248, Nov. 24.
Well installation for subsurface hydraulic pumps. O. E. Dempsey and J. B. Woods. 2,653,545, Sept. 29.
Well instrument, including pressurized battery. J. C. Hewitt. 2,654,960, Oct. 13.
Well jar. E. L. Potts. 2,653,008, Sept. 22.
Well logging. C. B. Vogel. 2,651,027, Sept. 1.
Well logging apparatus, Magnetic. R. D. Lynn. 2,664,542, Dec. 29.
Well logging method and apparatus. F. G. Boucher. 2,640,271, June 2.
Well logging method and apparatus. J. J. Jakosky. 2,648,056, Aug. 4.
Well logging system, Radioactivity. S. A. Scherbatskoy. 2,659,014, Nov. 10.
Well packer. C. C. Brown. 2,649,916, Aug. 25.
Well packer. J. Gannon. 2,664,164, Dec. 29.
Well packer. A. S. Parks. 2,638,168, May 12.
Well packer. F. A. Reed. 2,633,199, Mar. 31.
Well packer and anchoring means therefor. R. K. Le Rouax. 2,633,918, Apr. 7.
Well packer and bridge plug for well bores. J. R. Baker and M. B. Conrad. 2,647,584, Aug. 4.
Well packer, Hydraulic. R. H. Blood. 2,631,672, Mar. 17.
Well packer, Hydraulically operated. J. R. Baker. 2,630,865, Mar. 10.
Well packer, Inverted. F. A. Reed. 2,649,158, Aug. 18.
Well packer rubber. C. H. Sweet. 2,624,603, Jan. 6.
Well perforator. L. D. Barber. 2,638,165, May 12.
Well pipe expander. P. B. Clark. 2,627,891, Feb. 10.
Well pipe handling equipment. F. D. De Jarnett. 2,643,005, June 23.
Well pipe vibrating apparatus. D. B. Grable and W. A. Vock. 2,641,927, June 16.
Well point construction. B. Share. 2,640,545, June 2.
Well point core. H. C. Hettinger. 2,627,315, Feb. 3.
Well pump. H. H. Baca. 2,660,119, Nov. 24.
Well pump. L. Davis. 2,630,070, Mar. 3.
Well pump. D. T. Harbison. 2,658,457, Nov. 10.
Well pump. A. H. Ilfrey. 2,662,485, Dec. 15.
Well pump with successive pistons. J. B. Reilly. 2,624,288, Jan. 6.
Well screen. G. D. Goodner. 2,646,126, July 21.
Well strainer. W. H. Ellis. 2,624,411, Jan. 6.
Well swab. J. C. Webber. 2,633,808, Apr. 7.
Well tester. R. C. Baker. 2,627,317, Feb. 3.
Well tester. L. E. Brown and O. W. Williams. 2,637,400, May 5.
Well tool swivel device. R. C. Baker. 2,627,316, Feb. 3.
Well treating solution. B. M. Kingston and J. B. Childress. 2,663,689, Dec. 22.
Welt brace-laying tool. S. B. and B. F. Hicks. 2,661,488, Dec. 8.
Welt insoles, Making. A. R. Ridderstrom. 2,627,094, Feb. 3.
Welt turning and fabric take-up mechanism for straight knitting machines. P. J. Schoenster and M. E. Ebert. 2,631,445, Mar. 17.
Wet compress and container. E. A. Barton. 2,629,378, Feb. 24.
Wet grit blasting, Method and apparatus for. N. Ransohoff. 2,632,980, Mar. 31.
Wet-spinning cellulose triacetate. E. B. Johnson and J. F. Webster. 2,657,973, Nov. 3.
Wet strength paper, Manufacture of. H. W. Mackinney and S. J. Schultz. 2,642,360, June 16.
Wet-treating fibrous matters. S. E. E. Ahlfors. 2,632,366, Mar. 24.
Wetting test device. D. E. Marnon and F. C. Snowden. 2,651,936, Sept. 15.
Wharf fender. W. P. Kinneman. 2,655,005, Oct. 13.
Wheat and making same, Puffed. J. M. Baer. 2,653,096, Sept. 22.
Wheat and making same, Quick-cooking. C. R. Carman and J. E. Allison. 2,653,102, Sept. 22.
Wheat cereal, Making prepared sprouted. K. Kehetian. 2,627,464, Feb. 3.
Wheat gluten, Preparation of undevitalized. R. L. Slotter and J. A. Delap. 2,631,379, Mar. 17.
Wheatstone bridge testing arrangement. R. M. M. Oberman and A. Snijders. 2,654,837, Oct. 6.

Wheel: *See*—
- Abrading wheel.
- Air chamber wheel.
- Airplane wheel.
- Automotive tire wheel.
- Buffing wheel.
- Casting wheel.
- Composition roller skate wheel.
- Contact wheel.
- Door hanger wheel.
- Driven steering wheel.
- Electrically heated steering wheel.
- Electrically internally heated steering wheel.
- Erosion resisting fan wheel.
- Fan wheel.
- Flange-type safety wheel.
- Flexible abrasive wheel.
- Grinding wheel.
- Impeller wheel.
- Improved earth-working wheel.
- Integral one-piece wheel.
- Intermittent impact water wheel.
- Metallic resilient wheel.
- Model airplane wheel.
- Molded decorative steering wheel.
- Polishing and buffing wheel.
- Pressed steel truck wheel
- Railway car wheel.
- Resilient wheel.
- Rim driving wheel.
- Road-rail wheel.
- Roller skate wheel.
- Rotor wheel.
- Rubber tired gauge wheel
- Self-cooling buffing wheel
- Shrouded wheel.
- Spirally arranged-toothed cultivator wheel.
- Stamped metal vehicle wheel.
- Steel wheel.
- Surface-treating wheel.
- Turbine wheel
- Vehicle wheel.
- Water wheel.
- Welded pressed steel dual wheel.

Wheel. A. P. Douglas and L. J. Walters. 2,643,917, June 30.
Wheel. E. R. Jacobi. 2,660,476, Nov. 24, Nov. 24.
Wheel actuating mechanism, Numeral. C. F. Webb. 2,662,691, Dec. 15.
Wheel aligning ring for vehicles, Dual. J. F. Kane. 2,652,091, Sept. 15.
Wheel-alignment device. C. C. Thompson. 2,633,643, Apr. 7.
Wheel alignment signaling means. E. D. Wilkerson. 2,624,123, Jan. 6.
Wheel and axle assembly. P. S. McCallen and H. W. Jones. 2,628,859, Feb. 17.
Wheel and axle assembly for tobacco truck chassis. B. E. Stokes. 2,661,958, Dec. 8.
Wheel and axle assembly for variable tread vehicles. T. Brown. 2,655,410, Oct. 13.
Wheel and axle assembly for variable tread vehicles, Adjustable. T. Brown and G. Ickes. 2,637,598, May 5.
Wheel and brake drum for automobiles and the like vehicles. J. A. Grégoire. 2,635,924, Apr. 21.
Wheel and mounting assembly. C. O. Christensen. 2,647,277, Aug. 4.
Wheel and shaft mounting for side delivery rakes. W. H. Newmaster. 2,649,682, Aug. 25.
Wheel and shaft mounting for vehicles. W. H. Newmaster. 2,662,786, Dec. 15.
Wheel and ski scooter and sled, Convertible. J. W. Cwynar and G. E. Gelfand. 2,633,365, Mar. 31.
Wheel and spring suspension, Tandem. L. M. Francis. 2,654,615, Oct. 6.
Wheel and the like, Contact. H. Whitesell. 2,643,549, June 30.
Wheel and tire mounting appliance. M. J. Ribarich, Jr. 2,647,648, Aug. 4.
Wheel and track device, Spring actuated. J. O. Redlind. 2,639,152, May 19.
Wheel assembly. H. F. Klein. 2,627,440, Feb. 3.
Wheel assembly forearth handling and leveling apparatus, Adjustable. C. Bailiff. 2,635,888, Apr. 21.
Wheel assembly for suitcases or the like. F. W. Davis. 2,661,220, Dec. 1.
Wheel assembly, Trailer. R. L. Wilson. 2,662,782, Dec. 15.
Wheel assembly, Turbine. J. R. McVeigh. 2,662,725, Dec. 15.
Wheel attachment. W. Bower and L. G. Ball. 2,630,349, Mar. 3.
Wheel attachment for bicycles, Stabilizing. P. V. Anderson. 2,647,764, Aug. 4.
Wheel attachment for detachable tractor-mounted implements. C. W. Walz and R. D. Griff. 2,635,521, Apr. 21.
Wheel balance indicating device. H. J. Hutter. 2,631,452, Mar. 17.
Wheel balancing device. L. Hunter, Jr. 2,662,396, Dec. 15.
Wheelbarrow, Folding. G. E. Edhardt. 2,660,466, Nov. 24.
Wheelbarrow, Power driven. G. Borchin and E. A. Smith. 2,638,172, May 12.
Wheelbarrow with tub and hose reel attachments. P. E. Blackmond. 2,636,747, Apr. 28.
Wheel block and chock. D. A. Howard and W. N. Matson. 2,639,008, May 19.
Wheel brake, especially for aircraft, High-power. P. Mercier. 2,659,458, Nov. 17.
Wheel camber and caster adjusting mechanism. J. H. Booth. 2,664,297, Dec. 29.
Wheel carrier. C. E. Dysarz. 2,640,636, June 2.
Wheel chair exercising adapter. J. J. Kocian and W. H. Smith. 2,629,371, Feb. 24.
Wheel chair with detachable armrest. W. A. Linquist. 2,653,649, Sept. 29.
Wheel-changing tool. C. Hudspeth. 2,639,121, May 19.
Wheel chock. D. A. Stenhouse. 2,630,192, Mar. 3.
Wheel construction. P. A. Trapp. 2,628,132, Feb 10.
Wheel containing shock absorbing springs, Vehicle. J. K. Bables. 2,661,043, Dec. 1.
Wheel cover. G. A. Lyon. 2,624,626–32, Jan. 6.
Wheel cover. G. A. Lyon. 2,624,634, Jan. 6.
Wheel cover. G. A. Lyon. 2,624,638–40, Jan. 6.
Wheel cover. G. A. Lyon. 2,626,838, Jan. 27.
Wheel cover. G. A. Lyon. 2,629,635–6, Feb. 24.
Wheel cover. G. A. Lyon. 2,631,896, Mar. 17.
Wheel cover. G. A. Lyon. 2,636,784, Apr. 28.
Wheel cover. G. A. Lyon. 2,640,730, June 2.
Wheel cover. G. A. Lyon. 2,650,134–5, Aug. 25.
Wheel cover. G. A. Lyon. 2,650,862, Sept. 1.
Wheel cover. G. A. Lyon. 2,651,548, Sept. 8.
Wheel cover. G. A. Lyon. 2,654,637, Oct. 6.
Wheel cover. G. A. Lyon. 2,660,479–80, Nov. 24.
Wheel cover. G. A. Lyon. 2,664,318, Dec. 29.
Wheel cover. G. A. Lyon, Jr. 2,624,635, Jan. 6.
Wheel cover with cooling fan. J. P. Butterfield. 2,633,944, Apr. 7.
Wheel device, Printing. C. G. Dudis. 2,663,257, Dec. 22.
Wheel dressing apparatus. N. Hoglund. 2,658,496–7, Nov. 10.
Wheel drive for bucket elevators, Traction. S. T. Transeau. 2,631,459, Mar. 17.
Wheel drive, Traction. S. T. Transeau. 2,631,460, Mar. 17.
Wheel drive with lubricating means, Dual. E. J. Dunham. 2,638,173, May 12.
Wheel driving and steering mechanism. H. G. Cooper. 2,661,069, Dec. 1.
Wheel emergency equipment. F. Kember. 2,638,997, May 19.
Wheel extricating attachment and cable. E. J. Smith. 2,642,235, June 16.
Wheel feeding unit, Pin. A. W. Metzner. 2,663,197, Dec. 22.
Wheel for automotive vehicles. P. G. Gilbert. 2,628,651, Feb. 17.
Wheel for balers or the like, Safety. S. D. Russell. 2,641,116, June 9.
Wheel for feeding strip to rolling mills, Tiltable traction. D. E. Rice. 2,632,641, Mar. 24.
Wheel for rail vehicles. P. M. Bourdon. 2,641,498, June 9.
Wheel for vehicles rolling on rails, Resilient. A. Boschi. 2,646,308, July 21.
Wheel gauge. T. F. Krumm. 2,628,430, Feb. 17.
Wheel guard, Tractor. M. L. Johnson. 2,645,503, July 14.
Wheel having cushioned tread. J. S. Coldwell. 2,656,22[illegible], Oct. 20.
Wheel hold-down mechanism for mining machine trucks. J. Kilbourne. 2,630,080, Mar. 3.
Wheel housing cover. H. G. Anderson and G. B. Parsons. 2,650,547, Sept. 1.
Wheel hub with built-in dynamos, especially for bicycles and motor bicycles. C. L. Longert. 2,638,557, May 12.
Wheel lifter. R. A. Swinamer. 2,639,934, May 26.
Wheel lug locking ring. G. E. Wilson and J. K. Vaughan. 2,626,837, Jan. 27.
Wheel mask. P. D. Hudgins and J. P. Elliott. 2,627,839, Feb. 10.
Wheel mechanism, Steerable trailer front. A. Ronning. 2,650,100, Aug. 25.
Wheel mirror assembly. J. P. Carr. 2,656,762, Oct. 27.
Wheel mounting assembly. A. L. Lado. 2,625,232, Jan. 13.
Wheel mounting for boats, Detachable. F. A. Oliver. 2,637,050, May 5.
Wheel mounting to permit banking of vehicle during steering. A. Kost and G. Quilici. 2,631,867, Mar. 17.
Wheel ornamental trim ring construction, Vehicle. R. S. Grimshaw. 2,644,721, July 7.
Wheel, rim, and combination. A. W. Woodward. 2,633,388, Mar. 31.
Wheel rim assembly. A. A. Leaf. 2,633,178, Mar. 31.
Wheel rim construction. M. L. Monette. 2,651,348, Sept. 8.
Wheel rim suspension. P. G. Gilbert. 2,660,213, Nov. 24.
Wheel securing means for vehicles. A. Richard. 2,632,675, Mar. 24.
Wheel slide indicator and control mechanism for diesel and electric locomotives. W. O. Martin. 2,637,806, May 5.
Wheel slip protective system. R. M. Smith. 2,652,555, Sept. 15.
Wheel stabilizer means for hand guided garden plows. M. E. Garlock. 2,645,990, July 21.
Wheel stopping device. J. H. Mullins. 2,661,817, Dec. 8.
Wheel structure. J. L. Deffenbaugh. 2,647,025, July 28.
Wheel structure. G. A. Lyon. 2,624,633, Jan. 6.
Wheel structure. G. A. Lyon. 2,624,636, Jan. 6.
Wheel structure. G. A. Lyon. 2,652,286–7, Sept. 15.
Wheel structure. G. A. Lyon. 2,660,478, Nov. 24.
Wheel structure. A. M. Niven. 2,640,729, June 2.
Wheel structure. F. W. Slack. 2,640,728, June 2.
Wheel structure. J. G. Swain. 2,663,592, Dec. 22.
Wheel structure and balancing same. G. A. Lyon. 2,650,133, Aug. 25.
Wheel structure, Prestressed resilient. J. M. MacLean. 2,631,055, Mar. 10.
Wheel structure, Reversible castering. W. R. Peterson. 2,644,697, July 7.
Wheel support for implements and the like, Side hill. W. W. Tranter and H. C. Hollinger. 2,631,863, Mar. 17.
Wheel support with a circumferentially and axially movable toolholder. H. M. Rockwell. 2,652,078, Sept. 15.
Wheel suspension. B. J. Schill. 2,641,510, June 9.
Wheel suspension. F. F. Oppenlander and J. L. Boles. 2,631,842, Mar. 17.
Wheel suspension assembly for boats. R. C. Kester. 2,662,236, Dec. 15.
Wheel suspension for carpet sweepers, Planetary. J. M. Himes. 2,659,095, Nov. 17.
Wheel suspension for motor vehicles. E. S. MacPherson. 2,660,449, Nov. 24.
Wheel suspension, Front. J. H. Booth. 2,631,044, Mar. 10.
Wheel suspension means, Vertically adjustable. C. E. Cartwright. 2,636,745, Apr. 28.
Wheel suspension mechanism for road vehicles. K. Willfert. 2,641,482, June 9.
Wheel suspension, Trailer individual. H. B. Kuster. 2,640,706, June 2.
Wheel testing device. J. H. Bender and D. H. Shooter. 2,645,860, July 21.
Wheel tilting mechanism for automobiles. R. O. Varnum. 2,652,263, Sept. 15.
Wheel toe-in change indicator. D. J. Tyerman. 2,649,788, Aug. 25.
Wheel traction device, Automobile. O. F. Caloiaro. 2,654,412, Oct. 6.

Wheel trim assembly. G. A. Lyon. 2,624,637, Jan. 6.
Wheel undercarriage for airplanes, Multiple. J. H. Geisse. 2,630,285, Mar. 3.
Wheel unit for transporting boats, Detachable. W. W. Singleton. 2,637,567, May 5.
Wheel unit mounting. L. O. Greeley. 2,657,935, Nov. 3.
Wheel with liquid cooling means, Gas turbine. C. M. McDowell. 2,633,327, Mar. 31.
Wheeled attachment for transporting boats. W. W. King and H. C. Webb. 2,632,655, Mar. 24.
Wheeled device for transporting boats. J. P. Choplin. 2,624,591, Jan. 6.
Wheeled golf bag. H. R. Wilson. 2,629,609, Feb. 24.
Wheeled motor carrying attachment. A. E. Burkhardt. 2,625,230, Jan. 13.
Wheeled vehicle for infants, Foldable. W. O. Varner. 2,625,407, Jan. 13.
Whey products and manufacture. L. H. Francis and N. E. Rodgers. 2,661,295, Dec. 1.
Whip action device for the head of golf clubs. W. H. Thomas. 2,652,256, Sept. 15.
Whirling flame spinner. L. M. Salmon. 2,653,655, Sept. 29.
Whistle, Bicycle. C. V. Tidswell. 2,657,662, Nov. 3.
Whistle, Bird. J. H. Bacon. 2,654,179, Oct. 6.
White zinc oxide, starting from carbonated zinc ores, Preparation of. F. A. Muller and R. Saffores. 2,639,975, May 26.
Wick discharger, Static. M. R. Sullivan and G. W. Houk. 2,631,189, Mar. 10.
Wide-band direct-current repeater. D. Richman. 2,664,471, Dec. 29.
Wide band frequency modulation, Method and means for. J. W. Kearney and W. R. Rambo. 2,652,539, Sept. 15.
Wide band spectrum analyzer. B. H. Tongue. 2,661,419, Dec. 1.
Wide band transformer. F. H. McIntosh. 2,654,058, Sept. 29.
Wide band transmit receive switch. L. D. Smullin. 2,653,300, Sept. 22.
Wide frequency-range magnetic recording and reproducing system. F. B. Daniels. 2,629,784, Feb. 24.
Wide hollow steel propeller blade and making the same. F. A. Gruetjen. 2,647,586, Aug. 4.
Wig construction. E. A. Corsillo. 2,661,749, Dec. 8.
Wild game calling device. W. J. Walker. 2,643,483, June 30.
Winch. R. Hastings, Jr. 2,649,281, Aug. 18.
Winch. A. C. Hoyle and H. Knutson. 2,652,230, Sept. 15.
Winch. B. E. Wallace. 2,633,328, Mar. 31.
Winch and spring suspension construction for dump trailers. E. A. Schonrock. 2,661,236, Dec. 1.
Winch, Conduit pulling. A. Dailey. 2,661,187, Dec. 1.
Winch for trailers. C. W. Walz and J. H. Clark. 2,624,547, Jan. 6.
Winch, hoist, and the like. M. F. Sasgen. 2,626,126, Jan. 20.
Wind and rewind system for strip materials, Automatic. P. E. Greene. 2,661,163, Dec. 1.
Wind box for sintering machines. J. M. Heaps and B. Houlden. 2,662,763, Dec. 15.
Windbreak and livestock shade. J. C. Corn. 2,638,188, May 12.
Windbreaker for baby strollers. E. R. Hammond. 2,635,916, Apr. 21.
Wind controlled feed trough. T. Meier. 2,656,819, Oct. 27.
Wind deflector, Auxiliary. C. Saurer. 2,639,188, May 19.
Wind engine. C. R. Monney. 2,633,921, Apr. 7.
Windmill and heat pump set. L. Romani. 2,652,699, Sept. 22.
Wind motor with radially pivoted blades. C. Fumagalli. 2,629,450, Feb. 24.
Windrow turning apparatus. N. R. Krause. 2,652,679, Sept. 22.
Windrower, Detachably mounted counterbalanced. L. E. Oberholtz. 2,644,287, July 7.
Windrower, Tractor-mounted. A. J. Beranek and A. F. Collmann. 2,648,186, Aug. 11.
Windrowing attachment, Tractor mounted. A. E. Peake and P. T. Kley. 2,654,983, Oct. 13.
Windrowing device for beet harvesters. J. Morkoski. 2,630,666, Mar. 10.
Windshield and wiper, Curved. R. O. Doss. 2,642,615, June 23.
Windshield cleaner. A. C. Allen. 2,654,907, Oct. 13.
Windshield cleaner. A. Rappl. 2,632,196, Mar. 24.
Windshield cleaner. A. C. Scinta, and A. Rappl. 2,649,605, Aug. 25.
Windshield cleaner system. E. C. Horton. 2,651,801, Sept. 15.
Windshield cleaner system. A. Rappl. 2,651,072, Sept. 8.
Windshield clearing system. A. Rappl. 2,649,332, Aug. 18.
Windshield for convertible automobiles, Auxiliary. L. G. Gunion and J. Clarkson. 2,641,502, June 9.
Windshield shade, Vehicle. R. E. Dieterich. 2,628,124, Feb. 10.
Windshield visor and washer, Combined. E. E. Foster. 2,643,909, June 30.
Windshield warmer. L. E. Iverson. 2,659,942, Nov. 24.
Windshield wiper. H. B. and A. Gordon. 2,648,865, Aug. 18.
Windshield wiper. C. W. Kiker, Jr. 2,648,087, Aug. 11.
Windshield wiper. R. B. Morton. 2,659,097, Nov. 17.
Windshield wiper. J. R. Picon. 2,651,800, Sept. 15.
Windshield wiper. A. Rappl. 2,657,415, Nov. 3.
Windshield wiper. T. J. Smulski. 2,642,612, June 23.
Windshield wiper. A. P. Wianco. 2,624,904, Jan. 13.
Windshield wiper, Air pressure operated. T. J. Turek. 2,626,416, Jan. 27.
Windshield wiper and arm connection. F. A. Krohm. 2,642,613, June 23.
Windshield wiper and defroster power supply. J. R. Olshei. 2,636,206, Apr. 28.
Windshield wiper arm. J. W. Anderson. 2,642,611, June 23.
Windshield wiper arm connector. F. A. Krohm. 2,624,903, Jan. 13.
Windshield wiper blade. E. C. Horton. 2,659,923, Nov. 24.
Windshield wiper blade construction and mounting. H. A. Mackie and F. A. Guillermety. 2,634,446, Apr. 14.
Windshield wiper control, Electric. R. C. Bohl. 2,651,013, Sept. 1.
Windshield wiper drive apparatus. C. P. McClelland. 2,660,894, Dec. 1.
Windshield wiper, Electric. G. G. Kearful. 2,651,802, Sept. 15.
Windshield wiper, Electrically heated. W. L. Martin. 2,654,016, Sept. 29.
Windshield wiper, Full sweep. S. H. Greene. 2,629,891, Mar. 3.
Windshield wiper mechanism. E. E. Sivacek. 2,642,614, June 23.
Windshield wiper motor. F. Sprague and E. F. Nichols. 2,627,251, Feb. 3.
Windshield wiper, Rotary. D. A. Domek and E. N. Sorensen. 2,634,447, Apr. 14.
Windshield wiper, Rotary. G. T. Schwarzmann. 2,639,455, May 26.
Windshield wiper tensioning attachment. R. V. Gaumer. 2,660,748, Dec. 1.
Windshields, Laminated glass-vinyl. W. K. Bledsoe. 2,650,890, Sept. 1.
Wind supply device for musical instruments. J. Robotti. 2,650,515, Sept. 1.
Wind tunnel and straight duct section for such tunnels. J. O. Jackson. 2,625,038, Jan. 13.
Winder, Automatic winch rope. H. D. Brown. 2,662,703, Dec. 15.
Winder, Coil spring. L. A. Border. 2,649,130, Aug. 18.
Winder for yarn packages, Automatic tail. A. E. Winslow. 2,638,279, May 12.
Winder machine. L. Hornbostel. 2,654,546, Oct. 6.
Winder, Potentiometer. H. Harris, Jr. 2,643,068, June 23.
Winding. W. P. Taylor, Jr. 2,634,916, Apr. 14.
Winding and packaging coils. B. B. Scott, Jr. 2,658,263, Nov. 10.
Winding and reeling mechanism for electrical cables. A. R. Platt. 2,629,027, Feb. 17.
Winding and setting mechanism for watch and clock movements and the like. H. Stamm. 2,640,311, June 2.
Winding and setting mechanism for watch or clock movements. G. Ducommun. 2,655,784, Oct. 20.
Winding and unwinding control, Web. W. T. Stanford. 2,635,825, Apr. 21.
Winding apparatus. E. K. Bauer and P. E. Hill. 2,635,321, Apr. 21.
Winding apparatus. W. H. Franzmann. 2,643,827, June 30.
Winding apparatus. H. D. Stevens. 2,663,511, Dec. 22.
Winding apparatus, Paper tube. J. H. Raymond. 2,644,376, July 7.
Winding apparatus, Strip material. L. A. Trofimov. 2,639,868, May 26.
Winding apparatus, Thread. F. B. Breazeale. 2,657,868, Nov. 3.
Winding apparatus, Yarn. A. W. Keight. 2,630,976, Mar. 10.
Winding armatures. M. M. Hole. 2,632,124, Mar. 17.
Winding arrangement for variable transformers. E. Horne. 2,660,681, Nov. 24.
Winding control device. A. L. W. Williams. 2,625,337, Jan. 13.
Winding core. F. C. Guyer. 2,659,543, Nov. 17.
Winding core support. E. K. Bauer. 2,651,479, Sept. 8.
Winding device, Coil. K. C. Bugg. 2,638,943, May 19.
Winding device for watches, Spring. C. Hill and C. K. Johns. 2,632,993, Mar. 31.
Winding filling bobbins in a loom and supplying them to the shuttle thereof, Method and means for automatically. W. V. Goodhue and R. E. Morton. 2,638,936, May 19.
Winding for yarns, Precision cross. F. Osborne. 2,652,987, Sept. 22.
Winding machine. P. R. Heygel. 2,632,607, Mar. 24.
Winding machine. C. H. Nordell. 2,649,251, Aug. 18.
Winding machine. W. L. Perry. 2,630,275, Mar. 3.
Winding machine. D. G. Soussloff. 2,663,507, Dec. 22.
Winding machine. W. L. Perry and E. J. Abbott. 2,659,538, Nov. 17.
Winding machine. B. B. Scott. 2,653,772, Sept. 29.
Winding machine. B. B. Scott, G. F. Greene, and F. E. Valentine. 2,645,429, July 14.
Winding machine. R. V. Tata. 2,631,787, Mar. 17.

Winding machine. W. P. Taylor, Jr., and J. V. Whipple. 2,634,918, Apr. 14.
Winding machine. E. Wodetzky. 2,640,653, June 2.
Winding machine, Automatic armature. H. W. Moore. 2,627,379, Feb. 3.
Winding machine, Coil. C. C. Stevens. 2,656,124, Oct. 20.
Winding machine, Electric coil. F. B. Turner. 2,653,771, Sept. 29.
Winding machine, Hank. R. G. Dexter. 2,654,980, Oct. 13.
Winding machine, Ribbon. J. O. Burman, Jr. 2,635,822, Apr. 21.
Winding machine, Spring. P. J. Blanco. 2,658,267, Nov. 10.
Winding machine, Stator. A. Brunand. 2,647,696, Aug. 4.
Winding machine, Toroidal coil. M. O. Bennert and H. E. Cradduck. 2,657,865, Nov. 3.
Winding machine traverse mechanism. E. L. Woolley. 2,647,698, Aug. 4.
Winding machine, Tube. R. S. Carr. 2,640,451, June 2.
Winding machine, Watch. J. H. Gotter. 2,638,024, May 12.
Winding machine with minimum turn spacing device. B. B. Scott. 2,638,278, May 12.
Winding mechanism. L. J. Wolf. 2,658,692–3, Nov. 10.
Winding mechanism for automatic fishing reels. T. A. and A. D. Maury. 2,630,977, Mar. 10.
Winding mechanism for self-winding watches. M. P. Huguenin. 2,645,894, July 21.
Winding mechanism for stator winding machines, Reversible coil. T. F. Harvey. 2,640,652, June 2.
Winding package. W. P. Taylor, Jr. 2,634,923, Apr. 14.
Winding patient lift and turning mechanism. F. Burkert. 2,655,667, Oct. 20.
Winding precision resistors, Method of and apparatus for. H. E. Hale. 2,639,864, May 26.
Winding take-up mechanism. W. Borberg. 2,627,381, Feb. 3.
Winding textile yarns. J. K. Cochran. 2,635,820, Apr. 21.
Winding yarns, Method of and apparatus for. E. S. Balthrop, Jr. 2,649,254, Aug. 18.
Window. B. M. Altwies. 2,636,227, Apr. 28.
Window. R. E. Cheesman. 2,624,082, Jan. 6.
Window. R. A. Gillespie. 2,628,392, Feb. 17.
Window. S. G. E. Järnland. 2,632,927, Mar. 31.
Window. W. P. Kessler and A. T. Hagerty. 2,629,905, Mar. 3.
Window. R. L. Klein, C. C. J. Maffei, and J. Kirchstein. 2,659,113, Nov. 17.
Window. A. G. Lemos. 2,654,918, Oct. 13.
Window. A. Nihon. 2,625,218, Jan. 13.
Window. O. Polson and T. J. Nelson. 2,659,943, Nov. 24.
Window air filter. R. E. McIntyre. 2,639,004, May 19.
Window and actuating mechanism therefor, Louver. N. W. Snow. 2,641,465, June 9.
Window and blind, Combination. P. E. Kopp. 2,651,085, Sept. 8.
Window and operating means therefor, Awning-type. F. Somerstein. 2,642,967, June 23.
Window and screen clip, C. M. Flynn, Jr. 2,631,053, Mar. 10.
Window and Venetian blind housing, Combined vacuum sealed. D. Engel. 2,658,570, Nov. 10.
Window assembly. J. Sylvan. 2,643,710, June 30.
Window assembly and sash holder. L. I. Weissman. 2,631,336, Mar. 17.
Window, Automatically operated jackknife. W. A. Bowman. 2,637,383, May 5.
Window, Awning type. M. Hoffman. 2,644,206, July 7.
Window, Awning type. A. H. Soule. 2,658,750, Nov. 10.
Window bags, Manufacture of. D. Belcher, R. J. Williams, and M. J. Helmos. 2,662,578, Dec. 15.
Window balance-tape retainer. E. M. Trammell, Sr., and E. M. Trammell, Jr. 2,658,234, Nov. 10.
Window bay, Multiple service. J. C. Williams. 2,626,432, Jan. 27.
Window blind. A. L. Light and M. Fine. 2,636,556, Apr. 28.
Window casement construction. J. Brownlie, R. Gerstenzang, and A. C. Blamey. 2,645,316 July 14.
Window changer. H. L. Cutler. 2,652,937, Sept. 22.
Window cleaner having companion magnets. G. Coleman. 2,634,444, Apr. 14.
Window closure, Insulated metal. W. P. Kessler. 2,654,920, Oct. 13.
Window, Combination storm. C. L. Webster. 2,628,678, Feb. 17.
Window, Completely reversible. E. Albano. 2,648,878, Aug. 18.
Window construction. B. T. Ballard. 2,638,640, May 19.
Window construction. W. B. Burke. 2,630,607, Mar. 10.
Window construction. W. B. Burke. 2,631,337, Mar. 17.
Window construction. H. A. Etling. 2,652,602, Sept. 22.
Window construction. P. L. Gottschalk. 2,643,422, June 30.
Window construction. A. W. Grist. 2,639,791, May 26.
Window construction. H. Gyorfy. 2,643,601, June 30.
Window construction. L. C. Ike. 2,626,434, Jan. 27.
Window construction. S. M. Kass. 2,627,091, Feb. 3.
Window construction. W. Marcus. 2,663,055, Dec. 22.
Window construction. A. Mauro. 2,642,631, June 23.
Window construction. R. W. McLaughlin and G. F. Kotrbaty. 2,635,719, Apr. 21.
Window construction. F. C. Osten, Sr. 2,658,242, Nov. 10.
Window construction. E. C. Richardson. 2,647,288, Aug. 4.
Window construction. M. Rifkin. 2,629,142, Feb. 24.
Window construction. C. J. Roos. 2,645,826, July 21.
Window construction. W. A. South. 2,661,507, Dec. 8.
Window construction. A. M. Starck. 2,628,390, Feb. 17.
Window construction. W. E. Tourtelotte. 2,628,391, Feb. 17.
Window construction. C. L. Wells. 2,663,532, Dec. 22.
Window construction. W. J. Woodhams. 2,633,612, Apr. 7.
Window construction, Inwardly swingable, vertically slidable. H. A. Etling. 2,652,603, Sept. 22.
Window construction, Storm. L. F. Price. 2,640,232, June 2.
Window construction, Storm. J. M. Winston. 2,639,768, May 26.
Window, Display. W. E. McCormick. 2,641,953, June 16.
Window display receptacle with folding easel. H. L. Myers. 2,624,455, Jan. 6.
Window drapery support. L. G. Peretti. 2,643,001, June 23.
Window, Emergency exit. J. G. Reitzel. 2,639,790, May 26.
Window fan support. A. W. Holstein. 2,656,974, Oct. 27.
Window fastener. C. E. Olson. 2,650,124, Aug. 25.
Window for alpha particle counters, Improved. C. J. Borkowski. 2,638,560, May 12.
Window for convertible automobile tops, Rear. F. S. Spring. 2,638,379, May 12.
Window for panels. A. J. Koll. 2,645,827, July 21.
Window frame. R. E. Lee. 2,660,764, Dec. 1.
Window frame assembly. J. Sylvan. 2,642,935, June 23.
Window frame assembly. J. Sylvan. 2,651,393, Sept. 8.
Window frame construction. S. Savage. 2,642,632, June 23.
Window frame tear-off flange. S. Spector and G. J. Teplanszki. 2,641,805, June 16.
Window guard. M. T. Montefusco. 2,642,134, June 16.
Window guide strip construction. C. J. McKinney. 2,635,915, Apr. 21.
Window, Jackknife. W. A. Bowman. 2,637,381, May 5.
Window, Jalousie. C. Silvers. 2,640,233, June 2.
Window lock. E. H. Johnson. 2,634,146, Apr. 7.
Window lock. R. L. Sweet. 2,657,086, Oct. 27.
Window lock. V. C. Thomas, Sr. 2,645,515, July 14.
Window, Louvered. J. R. Klein. Re. 23,759, Dec. 29.
Window, No-draft arm signaling vehicle. J. F. Anderson. Re. 23,633, Mar. 24.
Window of the laterally slidable sash type. K. G. Price. 2,633,611, Apr. 7.
Window opening and closing mechanism. L. O. Burress. 2,662,766, Dec. 15.
Window operating device. G. E. Gravenstine and R. H. Hummert. 2,635,485, Apr. 21.
Window operator. M. Gzupkaytil. 2,637,548, May 5.
Window operator—screw type. L. Toth. 2,636,727, Apr. 28.
Window or screen mounting structure, Storm. J. F. Hubert. 2,661,508, Dec. 8.
Window pane securing strip. E. L. Bell. 2,637,422, May 5.
Window protector. G. Zelenko. 2,624,403, Jan. 6.
Window regulator. C. H. Blanton. 2,628,833, Feb. 17.
Window regulator. W. L. Dennis. 2,624,570, Jan. 6.
Window regulator. C. T. Fezzey. 2,646,276, July 21.
Window regulator. C. C. Jackson. 2,640,694, June 2.
Window regulator. C. C. Jackson. 2,641,468, June 9.
Window sash and screen assembly, Automobile. B. A. Lange. 2,650,858, Sept. 1.
Window sash balance. G. Steingruber. 2,630,596, Mar. 10.
Window sash clamping device. D. Tappan. 2,625,419, Jan. 13.
Window sash, Frictionally controlled sliding. W. N. Carter. 2,638,639, May 19.
Window sash holder. G. Steingruber. 2,647,005, July 28.
Window sash holder and lock. C. G. Long. 2,650,125, Aug. 25.
Window sash operating mechanism. J. W. Signore. 2,649,301, Aug. 18.
Window sash structure, Removable double hung. O. R. Serley and R. N. Mortensen. 2,662,255, Dec. 15.
Window screen. G. M. and E. W. Spiller. 2,625,217, Jan. 13.
Window screen fitting. J. H. Oswald. 2,638,622, May 19.
Window screen latch. W. W. Flugrath. 2,641,493, June 9.
Window shade bracket. H. Hein. 2,645,445, July 14.
Window sill. C. I. Girschowitch. 2,663,389, Dec. 22.
Window, Storm. G. W. Day. 2,654,128, Oct. 6.
Window, Storm. V. C. Decker. 2,631,340, Mar. 17.
Window, Storm. E. C. Mueller. 2,637,879, May 12.
Window strip, Self-sealing. H. B. Beck. 2,637,880, May 12.
Window structure. W. B. Burke. 2,640,568, June 2.
Window structure. J. E. Klee. 2,646,599, July 28.
Window structure. M. J. Nardulli. 2,651,083, Sept. 8.
Window structure. G. D. Peterson. 2,663,917, Dec. 29.
Window structure. J. V. Rylander. 2,651,082, Sept. 8.
Window structure. M. J. Tracy. 2,661,506, Dec. 8.

Window structure. E. A. Westman. 2,644,557, July 7.
Window structure. A. Zitomer. 2,630,891, Mar. 10.
Window structure and glazing seal therefor. W. C. Watkins. 2,646,142, July 21.
Window structure, Detachable. A. F. Tornabene. 2,659,112, Nov. 17.
Window structure, Steel. W. C. Watkins. 2,638,189, May 12.
Window tab and glazing anchoring means. L. D. Bayley. 2,634,834, Apr. 14.
Window, Triple sliding. L. J. Milone. 2,626,658, Jan. 27.
Window unit, Triple sliding storm. L. J. Milone. 2,640,535, June 2.
Window ventilator, Adjustable. C. F. Mergner. 2,624,264, Jan. 6.
Window washing and drying device. F. W. Baldwin. 2,625,700, Jan. 20.
Window-washing machine. M. Brysman. 2,653,333, Sept. 29.
Window weatherstripping. G. C. Harbert. 2,647,289, Aug. 4.
Window wiper. J. P. Lacy. 2,644,187, July 7.
Windowed cell, High-pressure. M. J. Rzasa. 2,662,393, Dec. 15.
Wing construction, Jet-propelled helicopter. S. Hiller, Jr. 2,631,676, Mar. 17.
Wing control for aircraft. A. A. Gumbs. 2,630,986, Mar. 10.
Wing for aircraft, Pivotally mounted rotating. A. M. Young. 2,650,667, Sept. 1.
Wing mounting for helicopter-airplane. J. Mortka. 2,661,168, Dec. 1.
Winged wheeled harrow. W. T. Graham. 2,641,886, June 16.
Winterized vegetable oil and process of producing the same. A. L. Ayers and C. R. Scott. 2,643,260, June 23.
Wiper blade, Articulated. A. Rappl. 2,641,789, June 16.
Wiper blade clip. I. Nesson. 2,643,410, June 30.
Wiper blade connector. I. Nesson. 2,643,411, June 30.
Wiper blade for curved windshields. S. H. Enochian. 2,658,223, Nov. 10.
Wiper mechanism, Heated. D. M. Lentz. 2,656,448, Oct. 20.
Wiper mechanism, Hydraulically actuated windscreen. H. W. Trevaskis. 2,633,000, Mar. 31.
Wiper-switching selector. R. Taylor. 2,640,108, May 26.
Wiping blade, Adjustable. J. R. Olsbel. 2,663,043, Dec. 22.
Wiping blades, Making. E. Warner. 2,632,941, Mar. 31.
Wiping device, Adjustable line. D. G. Miller and J. C. Grant. 2,657,414, Nov. 3.
Wiping implement, Yieldable. J. J. Mackert. 2,658,222, Nov. 10.
Wiping machine, Label. C. C. Gerhardt. 2,661,109, Dec. 1.
Wire and cable rewinder. T. K. Niland. 2,652,630, Sept. 22.
Wire and machine for making. R. F. Stockton. 2,633,877, Apr. 7.
Wire and tubing rolling machine. D. E. and D. C. McCray. 2,650,509, Sept. 1.
Wire bail and handgrip for containers, Combined. H. A. Eggerss. 2,659,928, Nov. 24.
Wire bending and coiling tool. R. Cantu. 2,652,074, Sept. 15.
Wire bending and tightening tool. H. J. Norris and J. C. Reeves. 2,632,348, Mar. 24.
Wire bending die unit. E. O. Klemm. 2,659,408, Nov. 17.
Wire bending fixture. S. G. Blumensaadt. 2,645,268, July 14.
Wire bending machine. E. O. Klemm. 2,659,409, Nov. 17.
Wire bracket for tubular rails. F. A. Bielak and W. H. Neely. 2,641,432, June 9.
Wire bundle splitter. G. W. Weber. 2,654,958, Oct. 13.
Wire clamp applying device. K. C. Hart. 2,650,510, Sept. 1.
Wire coiling apparatus. P. A. Beaman. 2,625,340, Jan. 13.
Wire-coiling machine. A. J. Cerasani. 2,631,788, Mar. 17.
Wire connecting tool. H. A. Miloche. 2,655,953, Oct. 20.
Wire device for recorders, Slide. E. Umrath. 2,654,013, Sept. 29.
Wire drawing block and stripper assembly. E. J. McIlvried. 2,658,611, Nov. 10.
Wire drawing dies, Method and apparatus for making. F. M. Potter and R. M. Hartman. 2,635,487, Apr. 21.
Wire fabric bending and feeding apparatus. R. F. Stockton. 2,637,365, May 5.
Wire fastener for cords. G. E. Mills. 2,642,640, June 23.
Wire feed for stapling machines. C. Z. Monroe. 2,661,032, Dec. 1.
Wire fence, Sectional. W. Carvelo and R. J. Morgan. 2,651,502, Sept. 8.
Wire fence stretcher. U. G. Usher. 2,646,963, July 28.
Wire finishing method and apparatus. G. J. Stevens. 2,638,818, May 19.
Wire for stationary wire Wilton looms, Laminated pile. R. W. Peacock. 2,638,128, May 12.
Wire-forming machine. H. M. Young. 2,640,510, June 2.
Wire frame for garment hangers. D. W. Doherty. 2,656,044, Oct. 20.
Wire grip. H. C. Ripley and J. J. Saul. 2,650,118, Aug. 25.
Wire guide. B. B. Scott. 2,652,986, Sept. 22.
Wire guiding device. J. M. Biddison. 2,626,765, Jan. 27.
Wire holder. J. A. Findlay. 2,650,948, Sept. 1.
Wire holder. R. F. Jackson. 2,631,805, Mar. 17.
Wire lath, Making. R. F. Stockton. 2,628,642, Feb. 17.
Wire-laying machine. G. W. Bell. 2,629,564, Feb. 24.
Wire mesh, Making a fine. E. J. Walsh. 2,661,029, Dec. 1.
Wire netting machine. F. Bergandi. 2,625,961, Jan. 20.
Wire netting, Producing reinforced. J. Hausner. 2,640,789, June 2.
Wire nut. J. H. Blomstrand. 2,656,204, Oct. 20.
Wire package. F. A. Green. 2,624,526, Jan. 6.
Wire package. J. H. Smith. 2,639,873, May 26.
Wire printing and feeding means, Card controlled. W. Wockenfuss. 2,648,277, Aug. 11.
Wire pulling tool. R. F. Black, Jr., and B. T. Lapsley. 2,645,956, July 21.
Wire recording storage mechanism for bookkeeping machines. J. L. Sterling. 2,652,196, Sept. 15.
Wire reel mounting. J. G. Wright, C. D. Toney, C. A. Watkins, E. Sudan, and W. A. Maxwell. 2,647,702, Aug. 4.
Wire reeling machine. K. O. Marion. 2,650,771, Sept. 1.
Wire-rope greaser. M. A. Yakopatz. 2,654,442, Oct. 6.
Wire rope-making machine. W. T. MacCreadie. 2,633,692, Apr. 7.
Wire scratcher for wells, Multiple. K. A. Wright. 2,634,813, Apr. 14.
Wire-spooling apparatus. B. H. Davis. 2,653,773, Sept. 29.
Wire spring. W. H. Neely. 2,639,763, May 26.
Wire spring clip. J. A. Palmieri. 2,627,095, Feb. 3.
Wire-stitching machine, Rotary. A. H. Maynard. 2,655,654, Oct. 20.
Wire straightener. R. D. Heller. 2,639,758, May 26.
Wire stretcher, Fence. F. Chaussee. 2,646,970, July 28.
Wire stripper. R. F. Cook, Jr. 2,627,768, Feb. 10.
Wire stripper. E. D. Davison. 2,659,140, Nov. 17.
Wire stripper. S. G. Wood. 2,659,254, Nov. 17.
Wire stripping and twisting device. W. F. Fuchs and V. Lekan. 2,645,959, July 21.
Wire stripping implement. A. Ackley. 2,643,561, June 30.
Wire-tensioning apparatus for drum filters. J. E. Rogers. 2,636,611, Apr. 28.
Wire tracer. H. W. Hosford, Jr. 2,641,633, June 9.
Wire twister. I. L. Greathouse. 2,657,718, Nov. 3.
Wire tying machine. K. E. Schulze. 2,624,375, Jan. 6.
Wire unreeling device. K. A. Moore. 2,643,075, June 23.
Wire unwinding spool and supporting structure. G. W. Robbins. 2,650,777, Sept. 1.
Wiring terminal, Electrical. R. E. Kraft. 2,636,067, Apr. 21.
Withholding braking action when an hydraulic brake is released, Means of. W. F. Sanders. 2,640,563, June 3.
Wobbler drive mechanisms. E. E. K. Sparmann. 2,636,392, Apr. 28.
Wobbling disk pump. A. Salgues. 2,636,444, Apr. 28.
Wood bit. J. V. Emmons. 2,652,083, Sept. 15.
Wood cellular laminated railway car. B. Goldberg. 2,642,817, June 23.
Wood chipper disk with radially oriented knives of graduated bevels. C. A. Johnson. 2,655,319, Oct. 13.
Wood filler composition, Thermosetting. K. V. McCullough and L. D. Maines. 2,630,395, Mar. 3.
Wood gathering apparatus. J. G. Sartin. 2,658,638, Nov. 10.
Wood joint connector. A. L. Johnson. 2,654,923, Oct. 13.
Wood preservation. E. E. Pershall. 2,637,691, May 5.
Wood preservation with dimethyl tetrachlorophthalate. H. G. Walker. 2,650,893, Sept. 1.
Wood product and manufacturing, Pulp. C. U. Gramelspacher. 2,649,034, Aug. 18.
Wood rosin refining process. C. C. Crawford. 2,625,540, Jan. 13.
Wood screw manufacturing process. S. Chiaberta. 2,652,578, Sept. 22.
Wood structure and making same, Protected. G. M. Williams. 2,658,015, Nov. 3.
Wood treating process and composition. E. Farber and M. Sciascia. 2,655,454, Oct. 13.
Woodworking and finishing machine, Self-propelled. W. G. Taylor and C. W. Campbell. 2,639,741, May 26.
Wool scouring process. H. P. Lundgren, W. Fong, and A. S. Yeiser. 2,629,723, Feb. 24.
Wool scouring with composition containing suint, alcohols, ketones, and inorganic electrolytes. H. P. Lundgren and W. Fong. 2,655,428, Oct. 13.
Workbench and drawing table, Combination. J. A. Swainbank. 2,646,330, July 21.
Workbench for power tools, Folding. L. F. Kurschner. 2,662,566, Dec. 15.
Workbench, Sawhorse. I. C. Madden. 2,636,526, Apr. 28.
Work feed device for woodworking tools. G. O. Arvidson. 2,664,123, Dec. 29.
Work feeding mechanism for sewing machines. G. M. Reimer. 2,643,625, June 30.
Work glove, mitt, one-finger or the like. J. V. Huck. 2,642,573, June 23.
Work guide for sewing machines. W. D. Harrod. 2,644,411, July 7.
Work handling apparatus for crankshaft lathes. W. R. Meyer and H. J. Siekmann. 2,653,502, Sept. 29.
Work holder. D. M. Cleveland. Re. 23,732, Nov. 10.
Work holder. W. Ruser. 2,633,764, Apr. 7.

Work holder. H. Zähner. 2,645,962, July 21.
Work holder. J. G. Zummach. 2,641,823, June 16.
Workholder for drill presses. T. M. Klavon. 2,655,822, Oct. 20.
Work holder for grinding machines. H. A. McQuary. 2,637,150, May 5.
Work holder supported and clamped between vise jaws. C. M. Schmitt. 2,645,963, July 21.
Work holding and advancing device. G. P. Rothwell. 2,638,662, May 19.
Work-holding and screw-driving machine, Combined. J. E. Martell. 2,626,641, Jan. 27.
Workholding attachment for lathes. S. Florino. 2,655,829, Oct. 20.
Work holding clamp with an angularly adjustable pressure element. T. Hewat. 2,642,905, June 23.
Work holding tool. M. B. Layne and L. L. Held. 2,659,260, Nov. 17.
Work loading device for machine tools. W. E. Happel. 2,624,985, Jan. 13.
Work mounting fixture. L. Swanson. 2,625,861, Jan. 20.
Work object and support securing device. J. Ferda and S. Deutsch. 2,658,765, Nov. 10.
Work position responsive control mechanism. J. H. Mansfield. 2,625,061, Jan. 13.
Work rest and wheel mount. W. B. Bolce. 2,637,151, May 5.
Workstand. G. E. Bock, E. Roberts, and E. C. Hokanson. 2,627,109, Feb. 3.
Work stop for punch press dies, Automatic. H. E. Dahlstrom and J. L. Olson. 2,633,915, Apr. 7.
Work support. W. N. Frank. 2,640,399, June 2.
Work support. C. A. Maunder. 2,660,117, Nov. 24.
Work support and tire bead centering device, Annular rotary. P. E. Hawkinson. 2,648,937, Aug. 18.
Work support attachment for sewing machine tables. E. T. Lake. 2,660,496, Nov. 24.
Work-supported guide for portable power saws, Angularly adjustable. G. A. MacDonald. 2,661,034, Dec. 1.
Work-supporting and -guiding fixture. C. C. Jeffries and P. A. Jung. 2,633,676, Apr. 7.
Work supporting member, Adjustable. L. T. Cookson. 2,625,099, Jan. 13.
Work table feeding mechanism for band saw machines. R. L. Crane. 2,625,965, Jan. 20.
Worktable fixture for portable motor-driven saws. C. L. Spinney. 2,651,333, Sept. 8.
Worktable top, Tailor's. P. J. Rohde. 2,640,750, June 2.
Worktable with sine-bar feature. W. F. Hinderer. 2,645,067, July 14.
Work unit. H. Ellis and A. K. Wilson. 2,658,810, Nov. 10.
Working glass. W. L. Morgan. 2,658,317, Nov. 10.
Working machine for die-casting, injection molding, and the like, Hydraulically driven. W. A. Venus. 2,649,693, Aug. 25.
Worm feeder. R. Erdmenger and P. Gassen. 2,658,604, Nov. 10.
Worm gear lapping apparatus. D. E. Wilcox. 2,641,088, June 9.
Worm geared band clip. C. W. Cheney. 2,650,406–7, Sept. 1.
Worm gearing, Electric motor-driven. C. J. Douglas. 2,639,394, May 19.
Wound package and after-treating the same, Making a. O. A. Battista. 2,647,816, Aug. 4.
Wound package liner-wrapper. K. L. Hall. 2,641,102, June 9.
Woven elastic fabric. A. J. Richards. 2,643,686, June 30.
"Wow" analysis apparatus. R. H. Dreisbach. 2,653,019, Sept. 22.
Wrap stripe attachment for knitting machines. B. H. Jordan. 2,653,462, Sept. 29.
Wrapper crimping apparatus. V. V. Dixon. 2,627,711, Feb. 10.
Wrapper feeding mechanism. T. B. Dalton. 2,648,183, Aug. 11.
Wrapper for articles of merchandise. E. A. Wilsher and E. C. Roh. 2,647,334, Aug. 4.
Wrapper for automobile doors, Protecting. M. P. Williams. 2,643,050, June 23.
Wrapper for hams. C. G. Bennett. 2,632,723, Mar. 24.
Wrapper, Package. G. G. and V. Y. Long. 2,651,131, Sept. 8.
Wrapper, Ready. M. N. Rubinstein and S. Caplin. 2,628,764, Feb. 17.
Wrapper tucking mechanism. R. E. Taggart. 2,653,435, Sept. 29.
Wrapping and binding machine. A. E., R. J. and A. E. Cranston. 2,630,751, Mar. 10.
Wrapping and sealing machine. G. R. Bartle. 2,656,657, Oct. 27.
Wrapping and sealing machine for tampons. J. A. Carrier. 2,652,670, Sept. 22.
Wrapping apparatus for articles of circular cross section. A. Hess. 2,642,708, June 23.
Wrapping apparatus, Package. J. M. Sutton. 2,637,961, May 12.
Wrapping device, Article. R. H. Robertson. 2,624,993, Jan. 13.
Wrapping device, Coin. R. F. Powers. 2,637,960, May 12.
Wrapping device, Package. R. D. Gothar. 2,643,424, June 30.
Wrapping in multi-ply material. J. B. Thompson. 2,649,672, Aug. 25.
Wrapping machine. L. Brook. 2,639,568, May 26.
Wrapping machine. L. Brook. 2,643,500, June 30.
Wrapping machine. T. B. Dalton. 2,648,180, Aug. 11.
Wrapping machine. C. P. Dyken. 2,641,414, June 9.
Wrapping machine. C. A. Gerlach. 2,643,499, June 30.
Wrapping machine. B. Heilman. 2,651,900, Sept. 15.
Wrapping machine, G. I. Hohl, F. H. Weise, and G. A. and J. M. Rist. 2,627,710, Feb. 10.
Wrapping machine. J. J. McGinley. 2,650,459, Sept. 1.
Wrapping machine. A. Russell. 2,643,501, June 30.
Wrapping machine, Bag. H. G. Allen. 2,624,990, Jan. 13.
Wrapping machine, Candy. T. F. Schlicksupp. 2,627,709, Feb. 10.
Wrapping machine, Coin. J. J. Jorgensen. 2,635,402, Apr. 21.
Wrapping machine for flexible articles. F. C. Crescenzo. 2,624,994, Jan. 13.
Wrapping machine, Frankfurter. T. J. C. Chapman, H. G. Holtz, and B. S. Jenison. 2,624,991, Jan. 13.
Wrapping machine, Fruit. T. M. Vaughan. 2,662,354, Dec. 15.
Wrapping machine, Package. O. Sandberg. 2,642,707, June 23.
Wrapping machine, Paper roll. A. T. Hurter and A. C. Attendu. 2,638,725, May 19.
Wrapping machine, String. E. L. Estes. 2,641,084, June 9.
Wrapping machinery. A. G. Rose and F. H. Pearson. 2,627,154, Feb. 3.
Wreath forming machine. H. O. Englert. 2,634,532, Apr. 14.
Wrecker. E. W. Holmes and E. W. Holmes, Jr. 2,637,448, May 5.
Wrench: *See*—
Balance wrench.
Bolt-holding box wrench.
Bung wrench.
Cam operated expanding wrench.
Dual wheel wrench.
Fastener-holding socket wrench.
Filler cap loosening wrench.
Finger control attachment wrench.
Gear actuated predetermined torque release wrench.
Gear-operated dual socket wrench.
Gear operated predetermined torque release wrench.
Geared wrench.
Impact wrench.
Internal pipe wrench.
Jar cover wrench.
Lever actuated slidable jar wrench.
Nut - ejector type socket wrench.
Nut-holding socket wrench.
Open end ratchet wrench.
Open-end wrench.
Pivoted jaw wrench.
Power-operated, gear-controlled multiple socket wrench.
Power-operated, predetermined - torque control socket wrench.
Power - operated, predetermined torque release wrench.
Power-operated rotary impact wrench.
Power - operated socket wrench.
Power-operated wrench.
Predetermined torque release socket wrench.
Predetermined torque release wrench.
Quick-adjusting toggle wrench.
Ratchet wrench.
Ratcheting wrench.
Sectional box wrench.
Self-adjusting pipe wrench.
Self - adjusting socket wrench.
Shank-grip slidable side jaw wrench.
Slidable jaw ratchet-type wrench.
Slidable side jaw wrench.
Spanner type strainer wrench.
Stud bolt wrench.
Telescopic multiple-socket wrench.
Toggle - actuated carriage bolt wrench.
Toggle actuated plier wrench.
Torque wrench.
Turnbuckle wrench.
Valve removal wrench.
Wrench. G. W. Dyer. 2,653,500, Sept. 29.
Wrench and tap device. E. F. Fisher. 2,649,825, Aug. 25.
Wrench and wedging tool for removing screw plugs, Combined. H. C. Grossman. 2,640,382, June 2.
Wrench attachment for nozzles, Swiveled. O. C. Nystul. 2,630,134, Mar. 3.
Wrench combined with punch and assembly tool. V. J. Huitquist. 2,661,644, Dec. 8.
Wrench convertible to box-type wrench, Open-end. F. E. Kraft. 2,628,522, Feb. 17.
Wrench device for use on nuts or bolts in normally inaccessible locations, Ratchet. A. J. Duerksen. 2,658,416, Nov. 10.
Wrench extension handle. L. H. Kiene. 2,652,736, Sept. 22.
Wrench extension, Socket. E. T. Able and W. Krieger. Re. 23,661, May 26.
Wrench for nuts and like polygonal objects, Self-adjusting. S. O. Mortensen. 2,647,425, Aug. 4.
Wrench for radiator caps. J. R. Davies and L. C. Starkweather. 2,625,848, Jan. 20.
Wrench for tubes and pipes, Safety. L. C. Osborn. 2,644,358, July 7.
Wrench for use in confined spaces, Gear operated pancake-type. F. J. De Note. 2,664,020, Dec. 29.
Wrench for use with an airplane propeller. J. F. Sweeney, E. T. Able, and I. A. MacKay. 2,638,026, May 12.

Wrench for use with turnbuckles, Ratchet. S. A. Rasmussen. 2,654,281, Oct. 6.
Wrench having arm with a recess therein and a pivotally mounted spring-biased pipe-engaging jaw in the recess, Pipe. B. L. Lurie. 2,633,045, Mar. 31.
Wrench having leaf spring jaw. H. Murphy. 2,655,065, Oct. 13.
Wrench having spring-closed and lever-locked pivotal jaws. C. A. Milentz. 2,643,568, June 30.
Wrench having swiveled grip sleeve, Socket. J. E. Lydle. 2,644,359, July 7.
Wrench head with coaxial jaw pivot and handle connection. W. A. Maxwell. 2,649,824, Aug. 25.
Wrench provided with a cotter pin hole locator. A. L. Williams. 2,628,523, Feb. 17.
Wrench set. M. Saxby. 2,633,768, Apr. 7.
Wrench with fastener retention means, Internal. W. G. de Kam. 2,660,080, Nov. 24.
Wrench with nontraveling nut adjustment, Slidable outer jaw. W. J. McGinnis. 2,631,486, Mar. 17.
Wrench with nut fulcrumed pivoted outer jaw, Pipe. W. J. Johnson and C. G. Ertell. 2,650,512, Sept. 1.
Wrench with ratchet-controlled movable jaw, Pipe. G. D. Mead. 2,645,966, July 21.
Wrench with threaded handle, Adjustable jaw internal. A. R. Joy. 2,624,222, Jan. 6.
Wrench with toggle locking means, Cam-lever controlled, slidable jaw. C. E. Aden. 2,650,511, Sept. 1.
Wringer. W. L. Kauffman, II. 2,659,227, Nov. 17.
Wringer apparatus, Mop. A. Swanson. 2,655,681, Oct. 20.
Wringer attachment. B. F. Kalina. 2,627,742, Feb. 10.
Wringer, Clothes. N. L. Etten. 2,638,768, May 19.
Wringer, Mop. W. C. Roe. 2,651,073, Sept. 8.
Wringer spacer. H. Jerome. 2,646,675, July 28.
Wrinkle remover for shoes. E. N. Garfinkel. 2,626,793, Jan. 27.
Wristband, Absorbent. T. O. Wegner. 2,643,389, June 30.
Wristband, Watch. T. Hirsch. 2,639,067, May 19.
Wrist bandager. E. Chapados. 2,646,034, July 21.
Wrist watch stand. A. Haister. 2,650,785, Sept. 1.
Wristlet, Sponge rubber. H. Flink. 2,638,599, May 19.
Writing and drawing machine, Automatic facsimile. L. P. Black. 2,642,659, June 23.
Writing board lamp and paper holder. A. G. Marschat. 2,658,989, Nov. 10.
Writing implement. H. Bross. 2,645,204, July 14.
Writing implement with yieldably supported scribing element. C. R. Patterson. 2,641,226, June 9.
Writing instrument. B. D. Smith and D. R. Berry. 2,660,151, Nov. 24.
Writing pad unit for automobile steering wheels. F. Berman. 2,650,836, Sept. 1.
Writing sign. R. J. Adams. 2,645,048, July 14.
X-ray apparatus. W. H. Haupt. 2,653,245, Sept. 22.
X-ray apparatus. W. M. Lee. 2,659,015, Nov. 10.
X-ray apparatus. D. Sussin and H. S. Ware. 2,653,246, Sept. 22.
X-ray cassette holder and clamping device. A. M. McFarland. 2,651,725, Sept. 8.
X-ray densitometer. R. Bromberg and W. L. Martin. 2,659,012, Nov. 10.
X-ray device. J. J. C. Hardenberg. 2,659,010, Nov. 10.
X-ray diffraction device. S. T. Gross. 2,645,720, July 14.
X-ray film. W. Heinecke and S. A. Herman. 2,630,534, Mar. 3.
X-ray film badge dosimeter. E. Tochilin and R. H. Davis. 2,624,846, Jan. 6.
X-ray fluorescent screen. R. L. Longini and W. J. Hushley. 2,651,584, Sept. 8.
X-ray image intensification and method. W. C. White. 2,650,310, Aug. 25.
X-ray thickness gauge. W. N. Lundahl. 2,653,247, Sept. 22.
X-ray tube. W. Ehrenberg and W. E. Spear. 2,651,727, Sept. 8.
X-ray tube construction, Demountable. A. Taylor. 2,653,260, Sept. 22.
X-ray tube window. N. C. Jamison and T. R. Kohler. 2,663,812, Dec. 22.
Xanthation process. A. Robertson. 2,629,715, Feb. 24.
Xanthene-9-carboxylic acid esters of nuclearly alkylated 4-piperidinols and salts thereof. J. W. Cusic. 2,650,230, Aug. 25.
Xylene separation. R. L. Humphreys, G. C. Brock, and C. K. Reynolds. 2,659,763, Nov. 3.
Yankee drier. H. M. Ostertag. 2,628,433, Feb. 17.
Yardage reading device for attachment to revolving wheels. T. A. Hutsell. 2,655,314, Oct. 13.
Yarn, Abrading. E. J. Griset, Jr. 2,657,522, Nov. 3.
Yarn advancing reel having liquid applying and liquid stripping means. W. H. Furness. 2,647,389, Aug. 4.
Yarn building motion. N. Hooper. 2,630,276, Mar. 3.
Yarn carrier and adapter for package dyeing. R. A. Russell. 2,640,341, June 2.
Yarn carrier for Axminster looms. L. 2,643,681, June 30.
Yarn carrier of knitting machines. C. 2,656,693, Oct. 27.
Yarn changing means for circular knitting E. Leaderman. 2,629,240, Feb. 24.
Yarn cleaner. W. G. Quick and W. O. Wilson. Jan. 13.
Yarn cone and tube winder. T. L. Wright. Dec. 29.
Yarn feeding method and apparatus for knittin G. C. A. Alric. 2,641,913, June 16.
Yarn-guide and tension device, Combined. 2,657,878, Nov. 3.
Yarn holder for manually knitting multicol socks. E. Fitts and M. S. Allen. 2,628,0
Yarn lever controlling mechanism. I. H. C. J. Wawzonek. 2,625,808, Jan. 20.
Yarn made of blended fibers. A. F. Burkardt. Sept. 29.
Yarn or fabric, Preshrunk. A. F. Burkardt. Nov. 3.
Yarn package formation. O. A. Hitt and 2,639,872, May 26.
Yarn packaging device. H. L. Ayala. 2,629,
Yarn spool, head and bearing element therefing. W. Bixby. 2,636,695, Apr. 28.
Yarn stretching device. E. Stone, E. J. Spark Muldowney. 2,661,521, Dec. 8.
Yarn supplying mechanism for knitting m Shortland. 2,636,366, Apr. 28.
Yarn take-up and tensioning device for h weaving shuttles. W. J. Gosselin. 2,627,8
Yarn tension. M. R. Flamand. 2,643,831, J
Yarn tension control, Automatic. P. J. Sch M. E. Ebert. 2,625,021, Jan. 13.
Yarn tension device. F. J. Kent. 2,630,281
Yarn tensioning device. E. J. Heizer. 2,629,
Yarn tensioning device. E. J. Heizer. 2,642,
Yarn tensioning device. J. R. O'Dell. 2,656,
Yarn tensioning device, Zero twist. H. 2,650,044, Aug. 25.
Yarn tensioning means for twisters. C. B 2,662,364, Dec. 15.
Yarn-testing apparatus. A. S. Norcross. 2,6 24.
Yarn treating method. E. J. Heizer. 2,627
Yarn tube. P. H. Slaughter. 2,633,729, Apr
Yarn twist-detecting and arresting device. 2,635,831, Apr. 21.
Yarn-winding device. N. E. Bolly. 2,663,
Yarns and fabrics comprising the same, M detwisted. M. M. Cruz, Jr. 2,638,734, M
Yarns, Making. A. F. Burkardt. 2,656,671,
Yaw control for helicopters. A. C. Ballauer Mar. 10.
Yeast fermentation process. H. L. Scott Dec. 22.
Zero check or calibrating system for puls H. C. Allen and R. C. Ballard. 2,655,651
Zero splits. F. E. Hamilton. 2,641,180, Jun
Zero stop mechanism. M. A. Goodbar, E. H C. G. Falkner. 2,628,780, Feb. 17.
Zeroizing mechanism for computer machines 2,641,411, June 9.
Zigzag spring cushion construction having a layer of springs. H. C. Flint. 2,629,430
Zinc borate phosphor and making same. R. 2,631,133, Mar. 10.
Zinc-magnesium oxide luminescent materials same. L. J. Smith. 2,628,201, Feb. 10.
Zinc, Production of. S. E. Woods and 2,644,312, July 7.
Zinc products and producing them, Corrosi A. E. Chester. 2,631,951, Mar. 17.
Zinc salts of high molecular weight alkyl aromatic compounds, Manufacture of. J. and E. C. Knowles. 2,646,402, July 21.
Zinc silicate phosphor. R. Nagy and R. 2,656,320, Oct. 20.
Zipper, Quick-release. O. Firing. 2,632,933,
Zircon pebbles, Mullite-bonded. S. 2,633,623, Apr. 7.
Zirconia and quenching same and articles ma A. H. Ballard and D. W. Marshall. 2,656,
Zirconium compound and method of precipi Kumins. 2,630,370, Mar. 3.
Zirconium oxide polishing material. J. 2,624,661, Jan. 6.
Zirconium pigments. W. B. Blumentha Jan. 20.
Zirconium tetrachloride, Making. W. B. 2,626,203, Jan. 20.
Zirconium tetrafluoride, Preparation of. and K. A. Walsh. 2,635,037, Apr. 14.

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LIST OF DESIGN INVENTIONS

Accordion grill. V. Castiglione. 170,909, Nov. 24.
Accordion grill. J. Giulietti. 169,745, June 2.
Accordion grill. M. Pancotti. 170,889–90, Nov. 17.
Adding machine. G. W. Walker. 170,102, July 28.
Advertising device, Display. W. Danziger and V. Achison. 170,151, Aug. 11.
Advertising device for roadside stores. T. Carvel. 168,828, Feb. 17.
Advertising unit for clothes driers. L. and D. C. Kennedy. 169,071, Mar. 24.
Aerial amusement ride car or similar article. E. L. Reedy. 168,910, Feb. 24.
Air and rain diverter. K. G. Anderson. 169,469, May 5.
Air circulator. R. H. Colvin. 168,924, Mar. 3.
Air compressor unit. L. C. Miller. 170,330, Sept. 1.
Air conditioner casing. P. S. Egan. 170,496, Sept. 29.
Air conditioning unit, Window mounted. J. E. Wogoman. 169,954, June 30.
Aircraft, Rotary wing. E. W. Strong. 170,247, Aug. 18.
Airplane. V. J. Burnelli. 169,962, July 7.
Airplane. J. T. Corrigan and P. P. Sherry. 169,731, June 2.
Airplane. M. S. Emery. 170,751, Nov. 3.
Airplane. J. F. Liebhaber. 170,268, Aug. 25.
Airplane. A. M. Lippisch. 170,090, July 28.
Airplane. H. J. Myser. 170,025, July 14.
Airplane. G. S. Trimble, Jr. 168,604, Jan. 6.
Airplane. W. D. van Zelm, R. K. Wentz, and R. H. Draut. 168,605, Jan. 6.
Airplane. C. Williams. 170,037, July 14.
Airplane. R. J. Woods. 170,393, Sept. 8.
Air purifier and telephone set base, Combination. D. C. Craig. 170,450, Sept. 22.
Aisle standard for reclining chairs. L. W. Brulin and L. F. Covey. 169,473, May 5.
Andiron front. G. Brush. 170,493, Sept. 29.
Anhydrous ammonia control or similar article. T. A. St. Clair. 169,522, May 5.
Animated decorative lamp. A. B. Leech. 168,695, Jan. 27.
Animated television ash tray novelty. E. B. Bellett. 168,880, Feb. 24.
Antenna, Television. M. Kohl. 169,625, May 19.
Antenna, Television. R. N. Leonard. 170,203, Aug. 18.
Applique or the like. R. G. Williams. 168,919, Feb. 24.
Approach horizon. A. A. Collins and R. W. Wollah. 170,183, Aug. 18.
Apron. E. H. Jones, Jr. 169,316, Apr. 14.
Apron. W. P. Odom. 171,166, Dec. 22.
Apron. F. Warren. 170,896, Nov. 17.
Apron, Barber chair. V. J. Vece. 169,920, June 23.
Apron or similar article. D. E. Godfredsen. 170,689, Oct. 27.
Apron or similar article. J. D. Mizrahi. 169,689, May 26.
Aquarium. H. V. Lee. 171,037, Dec. 8.
Aquarium. F. J. McMorrow. 168,582, Jan. 6.
Aquarium, Annular transparent. E. A. Rice. 169,866, June 16.
Aquarium, Illuminable floral. C. E. Jones and R. H. Crowle. 170,158, Aug. 11.
Armchair or the like, Desk top. D. Chapman and R. G. Reineman. 170,304, Sept. 1.
Armchair or the like, Tablet. D. Chapman and R. G. Reineman. 170,303, Sept. 1.
Armrest. J. B. Mazzullo. 170,327, Sept. 1.
Arm restraint. J. V. Neville. 170,885, Nov. 17.
Arrow, Directional. E. H. Geissler. 168,790, Feb. 10.
Ash tray. V. S. Belpedio and G. L. Barton. 169,050, Mar. 24.
Ash tray. E. C. Blanko. 170,074, July 28.
Ash tray. B. Blecher. 168,881–2, Feb. 24.
Ash tray. J. L. Chandler. 170,747, Nov. 3.
Ash tray. E. W. Ekstrand. 171,123, Dec. 22.
Ash tray. R. W. Giles, Sr. 168,541, Jan. 6.
Ash tray. W. Gillarde. 170,916, Nov. 24.
Ash tray. E. Harper. 170,020, July 14.
Ash tray. C. F. Herdecker. 169,484, May 5.
Ash tray. A. E. Klatt. 169,507, May 5.
Ash tray. S. M. Quigley and D. Goodman. 169,694, May 26.
Ash tray. L. A. Revell. 168,710, Jan. 27.
Ash tray. L. A. Revell. 169,223–4, Mar. 31.
Ash tray. D. Tomlinson. 171,237, Dec. 29.
Ash tray. J. V. Vevirit. 170,345, Sept. 1.
Ash tray. L. Welk. 170,898, Nov. 17.
Ash tray. S. C. Wenta. 170,392, Sept. 8.
Ash tray. R. Wood. 170,177–8, Aug. 11.
Ash tray and coaster, Combined. J. F. Babbitt Mar. 31.
Ash tray and pipe knocker, Combined. D. 170,308, Sept. 1.
Ash tray, Finger. S. B. Lonberger. 169,772, J
Ash tray or similar article. S. J. Budlane and 170,078, July 28.
Ash tray or similar article. E. M. Capouch. Dec. 22.
Ash tray or similar article. M. J. Hinterschied June 2.
Asphalt patching plant. J. S. Wylie. 171,071,
Atomizer. S. Frydlender. 168,739, Feb. 3.
Atomizer or similar article. "D" F. Bacheller Dec. 8.
Attachment for bicycles in representation o B. B. West, Jr. 170,784, Nov. 3.
Audio visual unit. L. M. Sandwick. 169,824,
Automobile. G. Colombo. 170,448, Sept. 22.
Automobile. V. M. Exner. 169,896, June 23.
Automobile. I. H. Johnson. 170,576, Oct. 13.
Automobile. I. H. Johnson. 170,693, Oct. 27.
Automobile. C. B. Stevens. 170,171, Aug. 11.
Automobile. W. Wiggins, Jr. 169,645, May 1
Automobile-airplane, Combination. A. J. 169,807, June 9.
Automobile body. H. T. King. 169,262, Apr. 7.
Automobile fender guide. H. Ferman. 170,63
Automobile seat. J. H. Lang. 168,897–8, Feb.
Automobile stone shield. M. C. Mawhinney Nov. 3.
Automobile stone shield. F. Reynolds. 171,23
Automobile window sill protector. A. R. 171,190, Dec. 29.
Awning. S. Rosenmutter. 168,970, Mar. 3.
Awning. W. I. Smith. 169,993, July 7.
Awning and ventilator, Combined window. 171,215, Dec. 29.
Awning or similar article. C. J. Berini. Jan. 27.
Awning or similar article. C. S. White. 170,8
Backguard and shelf for stoves, Combined. and R. J. Petersen. 170,009, July 14.
Badge or similar article. R. W. Manning. 169,3
Badge or the like. A. L. Wenner-Gren. 169,01
Bag. R. M. Codish. 170,080, July 28.
Bag, Candy. J. Lavezzorio. 169,265, Apr. 7.
Bag, Carrying. I. M. Murray. 169,517, May
Bag for small articles, Pocketed. I. C. Huch Jan. 6
Bag or like receptacle, Lady's. A. Hochner Mar. 10.
Bag or the like, Warming. W. A. Atkinson May 26.
Bag, Punching. W. E. Doherty. 169,243, Ap
Ball-point pen or the like. W. B. Spatz. 168,7
Bank, Coin. C. G. Bergman. 170,625, Oct. 20.
Bank, Coin. F. W. Bower. 171,192, Dec. 29.
Bank, Coin. B. Matalon. 169,270, Apr. 7.
Bank, Coin actuated calendar. A. E. Maage, J June 2.
Bank or similar article, Savings. J. S. Genese Feb. 3.
Bank, Passbook. J. W. Hickey. 170,574, Oc
Bank, Piggy. A. N. Brooks. 170,521, Oct. 6.
Bar, Traffic. G. A. Wiswell. 170,844, Nov. 10.
Barbecue brazier. J. O. Reinecke. 170,943, N
Barbecue or similar article. J. Nisenson Sept. 29.
Base for a portable microphone or the like. 170,545, Oct. 6.
Base for table lamps. L. A. Arditti. 168,66
Base for table lamps. E. Bertolozzi. 170,443-
Base for table lamps. E. I. Cole. 170,046–9,
Base for table lamps. E. I. Cole. 170,112, Au
Base for table lamps. E. I. Cole. 170,147–8,
Base for table lamps. P. P. Ornstein. 168,704
Basket and comestible container, Combined. 169,070, Mar. 24.
Basket and comestible container, Combined. ren. 171,114, Dec. 15.
Basket, Food. H. J. Keegan. 169,003, Mar.
Basket, Food. R. Lydick. 169,322, Apr. 14.
Basket, Thermal. H. M. Wilkoff. 168,981, M
Bat, Table tennis. G. H. Forsyth. 168,788,
Bathroom fixture. J. Weinstein. 169,018, Ma
Bathtub, Infant's. R. H. Zoffer. 171,018, De
Bathtub unit. G. G. Rothenstein. 168,971, N

Battery cap, Catalyst. H. M. Gulick and C. E. Stedman. 169,479, May 5.
Battery charger casing. L. A. Medlar and C. Shuler. 170,762, Nov. 3.
Bead or similar article. A. C. Braun. 168,781, Feb. 10.
Bed cover support and health board, Combined. H. M. Stevens. 169,916, June 23.
Bed frame, Folding. W. K. and J. M. McInerney. 168,581, Jan. 6.
Bedspread or similar article. C. Shapiro. 169,869–70, June 16.
Bell. S. S. Sarna. 168,861, Feb. 17.
Belt. V. A. D'Arbeloff. 170,970, Dec. 1.
Belt. S. Kellerman. 169,683, May 26.
Belt, Apparel. A. W. Little. 169,942, June 30.
Bench and receptacle, Combination. W. L. Campbell. 169,579, May 19.
Beverage carrier. P. D. McGee. 169,380, Apr. 21.
Bib. H. A. Owen. 169,912, June 3.
Bib or similar article. L. Rudin. 170,430, Sept. 15.
Bicycle. N. M. Essary. 170,115, Aug. 4.
Bicycle, Child's. D. Sebel. 170,610, Oct. 13.
Bicycle frame. V. Schreckengost. 170,169, Aug. 11.
Bicycle stabilizer attachment. H. H. Ring. 169,391, Apr. 21.
Bill and coin holder, Combination. H. K. Rosenbaum. 170,657, Oct. 20.
Bin, Display. L. Keyserling. 169,552, May 12.
Binoculars, Pair of. D. Kane. 170,981, Dec. 1.
Birdbath and solarium for growing plants, Combined. A. S. Anderson. 171,020, Dec. 8.
Bird feeder or similar article. H. B. Cowap. 170,150, Aug. 11.
Birdhouse. S. F. Rebora. 170,833, Nov. 10.
Blank for a map or similar article. B. Klein. 168,797, Feb. 10.
Blotter and ash tray, Combined. H. A. Swan. 170,558, Oct. 6.
Blotter and stamp box, Combined. H. A. Swan. 170,557, Oct. 6.
Blouse. E. Kairalla. 169,069, Mar. 24.
Blouse, J. Orloff. 169,986–8, July 7.
Board, Ship's course. T. Rudder. 171,053, Dec. 8.
Boat. E. F. Butler and C. Hamlin. 170,850, Nov. 17.
Boat anchor. O. H. Johnson. 168,550, Jan. 6.
Bolt. C. Fulop. 170,571, Oct. 13.
Book end and receptacle, Combined. V. E. Cravey. 169,657, May 26.
Bookholder or similar article. J. P. Waldrop. 169,832, June 9.
Bookmarker and line guide, Combined. F. J. Kremin. 170,467, Sept. 22.
Boot. O. G. Murty. 170,543, Oct. 6.
Bootjack. V. C. Anderson. 169,407, Apr. 28.
Bottle. S. N. Barbee. 170,298, Sept. 1.
Bottle. R. H. Dallas. 170,255, Aug. 25.
Bottle. C. L. Dillon. 169,239, Apr. 7.
Bottle. P. Fischer. 168,885, Feb. 24.
Bottle. V. T. Hamman. 170,459, Sept. 22.
Bottle. L. J. Hexel. 170,754, Nov. 3.
Bottle. D. G. Hills. 170,755, Nov. 3.
Bottle. A. I. Lorenzen. 168,947, Mar. 3.
Bottle. J. B. Rosefield. 170,287, Aug. 25.
Bottle. M. E. St. Clair. 169,642, May 19.
Bottle. A. Y. Schultz. 168,865, Feb. 17.
Bottle. A. Y. Schultz. 170,170, Aug. 11.
Bottle. F. Smith. 169,111, Mar. 24.
Bottle. R. R. York. 169,884, June 16.
Bottle and applicator or similar article, Combined. H. M. Mullen. 170,426, Sept. 15.
Bottle and cap therefor, Combined plastic. D. J. Schwarz and M. E. St. Clair. 169,520, May 5.
Bottle and container therefor or similar article, Combined. J. Brodeur. 168,986, Mar. 10.
Bottle and display carton therefor, Combined. E. de Kolb. 170,794, Nov. 10.
Bottle and holder therefor, Combined. L. L. Dujoncquoy. 170,454, Sept. 22.
Bottle, Decanter. E. L. Du Pree. 169,362, Apr. 21.
Bottle, Flexible. J. Montenier. 168,851, Feb. 17.
Bottle, Milk. R. A. Blunt. 169,958–9, July 7.
Bottle opener and screw driver, Combined. C. J. Hug. 169,490, May 5.
Bottle or similar article. E. O. Rioux. 171,010, Dec. 1.
Bottle or similar article. P. A. Sollomi. 169,344, Apr. 14.
Bottle, Plastic. D. G. Halls. 171,089, Dec. 15.
Bottle, Wide mouth vacuum. C. Bramming. 171,193, Dec. 29.
Bowl. W. D. Pusecker. 170,715, Oct. 27.
Bowl, Fruit. L. M. Ross. 170,660, Oct. 20.
Bowl or similar article. J. B. Stier. 169,568, May 12.
Bowl set, Sugar. A. Rella. 169,634, May 19.
Bowling game device. H. F. Spear. 170,664, Oct. 20.
Box. F. Ferraro. 169,367, Apr. 21.
Box, Compartmented. A. W. Van Dyke. 168,664, Jan. 20.
Box, Fare. M. L. Grant. 170,085, July 28.
Box for a girdle. B. Murdock. 168,852, Feb. 17.
Box for crayons or similar article. W. R. Huston. 170,321, Sept. 1.
Box for cylindrical articles. F. C. Harper. 170,087, July 28.
Box for fragile articles. W. S. Freeman. 168,835, Feb. 17.
Box, Hat. M. A. and I. L. Bard. 170,042, July 21.
Box, Jewelry display. G. F. Brown. 169,356, Apr. 21.
Box, Metal. B. Greenstein and C. Molk. 169,436, Apr. 28.
Box or similar article. A. R. Botham. 168,883, Feb. 24.
Box or similar article, Ring. J. L. Nessler. 169,046, Mar. 17.
Box, Spool. W. H. Collins. 169,803, June 9.
Box, Telescopic cigarette. M. Sachar. 171,054, Dec. 8.
Box, Tote. I. M. Footlik and F. Johnson. 169,368, Apr. 21.
Bracelet, Expansible. S. Ritter. 168,808, Feb. 10.
Bracelet or similar article. M. Boucher. 169,891, June 23.
Bracelet or similar article. M. Boucher. 170,848, Nov. 17.
Bracelet or similar article. G. de Saint-Germain. 170,403, Sept. 15.
Bracelet or the like. A. Katz. 169,594, May 19.
Bracelet or the like. A. Katz. 169,597, May 19.
Bracelet or the like. A. Katz. 169,599, May 19.
Bracelet or the like. A. Katz. 169,601, May 19.
Bracelet or the like. A. Katz. 169,675, May 26.
Bracelet or the like. A. Katz. 169,760, June 2.
Bracelet or the like. A. Katz. 170,123–5, Aug. 4.
Bracelet or the like. A. Katz. 170,465, Sept. 22.
Bracelet or the like. A. Katz. 170,581, Oct. 13.
Bracelet or the like. A. Katz. 170,583, Oct. 13.
Bracelet or the like. A. Katz. 170,587, Oct. 13.
Bracelet or the like. A. Katz. 170,698, Oct. 27.
Bracelet or the like. A. Katz. 170,700, Oct. 27.
Bracelet or the like. A. Katz. 170,991, Dec. 1.
Bracelet or the like. A. Katz. 170,993, Dec. 1.
Bracelet or the like. A. Katz. 170,995, Dec. 1.
Bracelet or the like. A. Katz. 170,997, Dec. 1.
Bracelet or the like. A. Katz. 171,151–2, Dec. 22.
Bracelet or the like. A. Katz. 171,154, Dec. 22.
Bracelet or the like. A. Katz. 171,158, Dec. 22.
Bracelet or the like. A. Philippe. 168,636, Jan. 13.
Bracelet or the like. A. Philippe. 169,101, Mar. 24.
Bracelet or the like. A. Philippe. 169,103, Mar. 24.
Bracelet or the like. A. Philippe. 169,201, Mar. 31.
Bracelet or the like. A. Philippe. 169,690, May 26.
Bracelet or the like. A. Philippe. 170,367, Sept. 8.
Bracelet or the like. A. Philippe. 170,373–4, Sept. 8.
Bracelet or the like. A. Philippe. 170,476, Sept. 22.
Bracelet or the like. A. Philippe. 170,608, Oct. 13.
Bracelet or the like, Watch. L. E. Valcourt. 168,870, Feb. 17.
Bracket, Caster. E. H. Schultz, Jr. 169,564, May 12.
Bracket for toilet tissue holders. P. F. Simpson. 170,097, July 28.
Bracket, Hanger. A. L. Beltramini. 168,820, Feb. 17.
Bracket, Shelf. R. J. Bellon and I. J. Ferdinand. 171,075, Dec. 15.
Brassière. A. Garson. 168,789, Feb. 10.
Brassière. I. Gimble and D. Musano. 171,127, Dec. 22.
Brassière. L. Josephson. 169,848, June 16.
Brassière. J. J. Lo Cascio. 170,419, Sept. 15.
Brassière. G. Whitman. 168,980, Mar. 3.
Brassière, Halter. M. F. Peck. 170,509, Sept. 29.
Breadbox. C. M. Burroughs. 169,121, Mar. 31.
Brewing device, Beverage. R. D. Budlong. 169,358, Apr. 21.
Broiler. M. A. Feinstein. 168,786, Feb. 10.
Broiler and fryer, Combination of. R. D. Budlong. 169,357, Apr. 21.
Broiler and toaster, Combination. W. N. Angelus. 169,528, May 12.
Broiler, Gas-fired. A. I. Fader and I. Nevin. 169,430, Apr. 28.
Broiling unit, Electric. W. Yanchor. 168,722, Jan. 27.
Brooch or similar article. M. Boucher. 170,300, Sept. 1.
Brooch or similar article. L. L. Ciampa. 169,359, Apr. 21.
Brooch or similar article. R. Semensohn. 169,458–9, Apr. 28.
Brooch or similar article. R. Semensohn. 170,661, Oct. 20.
Brooch or similar article. R. Semensohn. 171,058, Dec. 8.
Brooch or similar article. R. Semensohn. 171,060–1, Dec. 8.
Brooch or similar article. E. White and R. H. Witmer. 169,022, Mar. 10.
Brooch or similar article. F. C. Witmer. 169,997, July 7.
Brooch or similar article, Adjustable. M. Boucher. 170,907, Nov. 24.
Brooch or similar article, Adjustable. M. Boucher. 171,077, Dec. 15.
Brooch or the like. A. Katz. 168,563, Jan. 6.
Brooch or the like. A. Katz. 168,621, Jan. 13.
Brooch or the like. A. Katz. 168,623, Jan. 13.
Brooch or the like. A. Katz. 168,938–9, Mar. 3.
Brooch or the like. A. Katz. 169,001, Mar. 10.
Brooch or the like. A. Katz. 169,492–3, May 5.
Brooch or the like. A. Katz. 169,498–9, May 5.
Brooch or the like. A. Katz. 169,501, May 5.
Brooch or the like. A. Katz. 169,503, May 5.
Brooch or the like. A. Katz. 169,505–6, May 5.
Brooch or the like. A. Katz. 169,610–22, May 19.
Brooch or the like. A. Katz. 169,678, May 26.
Brooch or the like. A. Katz. 169,681–2, May 26.
Brooch or the like. A. Katz. 169,765, June 2.
Brooch or the like. A. Katz. 170,261, Aug. 25.
Brooch or the like. A. Katz. 170,264, Aug. 25.
Brooch or the like. A. Katz. 170,579, Oct. 13.
Brooch or the like. A. Katz. 170,807–8, Nov. 10.
Brooch or the like. A. Katz. 170,867–8, Nov. 17.
Brooch or the like. A. Katz. 170,811, Nov. 10.
Brooch or the like. A. Katz. 170,813–14, Nov. 10.

Brooch or the like. A. Katz. 170,816, Nov. 10.
Brooch or the like. A. Katz. 170,820, Nov. 10.
Brooch or the like. A. Katz. 170,870–1, Nov. 17.
Brooch or the like. A. Katz. 171,134, Dec. 22.
Brooch or the like. A. Katz. 171,138, Dec. 22.
Brooch or the like. A. Katz. 171,140, Dec. 22.
Brooch or the like. A. Katz. 171,142–4, Dec. 22.
Brooch or the like. A. Katz. 171,147, Dec. 22.
Brooch or the like. A. Katz. 171,149–50, Dec. 22.
Brooch or the like. A. Philippe. 168,590–1, Jan. 6.
Brooch or the like. A. Philippe. 169,104–6, Mar. 24.
Brooch or the like. A. Philippe. 169,168–73, Mar. 31.
Brooch or the like. A. Philippe. 169,183–93, Mar. 31.
Brooch or the like. A. Philippe. 169,186, Mar. 31.
Brooch or the like. A. Philippe. 169,195–9, Mar. 31.
Brooch or the like. A. Philippe. 169,206–12, Mar. 31.
Brooch or the like. A. Philippe. 169,331–5, Apr. 14.
Brooch or the like. A. Philippe. 170,208–9, Aug. 18.
Brooch or the like. A. Philippe. 170,213–14, Aug. 18.
Brooch or the like. A. Philippe. 170,221–4, Aug. 18.
Brooch or the like. A. Philippe. 170,228, Aug. 18.
Brooch or the like. A. Philippe. 170,271–2, Aug. 25.
Brooch or the like. A. Philippe. 170,276–84, Aug. 25.
Brooch or the like, Separable. A. Katz. 169,002, Mar. 10.
Brooch or the like, Separable. A. Katz. 169,679, May 26.
Broom or similar article. E. Gantz. 170,017, July 14.
Brush and shoehorn, Combined. C. W. Pennington. 170,603, Oct. 13.
Brush, Child's scrub. J. W. Mayer. 169,983, July 7.
Brush or similar article. B. Horton. 169,673, May 26.
Brush or similar article, Soldering iron. P. Le Ber. 170,468, Sept. 22.
Buckle. H. S. van Buren, Jr. 169,295, Apr. 7.
Buckle, Belt. A. A. Oshlag. 171,099, Dec. 15.
Buckle, Safety belt. W. M. Noe. 171,045, Dec. 8.
Building. B. F. Britt. 169,354, Apr. 21.
Building. J. A. Hogshire, Jr. 169,259, Apr. 7.
Building brick. B. E. Scott. 168,599, Jan. 6.
Building structure. T. Carvel. 169,055, Mar. 24.
Building wall. J. K. Gannett and R. H. Strasmyer. 169,584, May 19.
Bumper jack for automotive vehicles, Fluid pressure operated. C. E. Branick. 170,301, Sept. 1.
Cabinet. J. T. Armbruster. 169,573, May 19.
Cabinet. F. J. Sterling. 170,556, Oct. 6.
Cabinet and easel, Combination. L. L. Fisher. 171,201, Dec. 29.
Cabinet and hanging shelf unit, Combined. H. R. Trout and F. M. Hill. 170,777, Nov. 3.
Cabinet, Base. H. R. Trout and F. M. Hill. 170,839, Nov. 10.
Cabinet, Cigarette merchandising machine. R. Spilman, A. R. Morrow, and E. Axel. 170,893, Nov. 17.
Cabinet, Combination popcorn warming and display. A. D. Altemiller. 170,040, July 21.
Cabinet, Combined clock and radio. S. E. Adler. 168,723, Feb. 3.
Cabinet, Dental. J. H. Levey. 169,687, May 26.
Cabinet, Display. C. W. Long. 170,204, Aug. 18.
Cabinet for a heater or the like. L. H. Wilson. 170,488, Sept. 22.
Cabinet for a radio receiver. W. F. Fox. 168,647, Jan. 20.
Cabinet for electric dictating machine, Recorder. R. L. Whyte. 168,666, Jan. 20.
Cabinet for lubricating equipment. A. P. Fox and A. D. Relsert. 171,125, Dec. 22.
Cabinet, Freezer. R. D. Budlong. 170,002, July 14.
Cabinet, Gun. C. H. Krueger. 170,705, Oct. 27.
Cabinet, Medicine. F. E. Knight. 171,159, Dec. 22.
Cabinet or similar article, Radio. J. Ackerman. 170,439, Sept. 22.
Cabinet or similar article, Television. J. Barofsky. 170,001, July 14.
Cabinet or similar article, Television. R. Rasmussen. 169,787, June 2.
Cabinet, Physician's instrument. E. W. Claus. 170,966–8, Dec. 1.
Cabinet, Physician's utility. E. W. Claus. 170,965, Dec. 1.
Cabinet, Radio. S. E. Adler. 170,618–19, Oct. 20.
Cabinet, Radio. R. D. Budlong. 169,054, Mar. 24.
Cabinet, Radio. L. H. Wilson. 170,671, Oct. 20.
Cabinet, Radio-phonograph. R. D. Budlong. 168,730, Feb. 3.
Cabinet, Radiophonograph. R. D. Budlong and J. De Young. 170,849, Nov. 17.
Cabinet, Refrigerator. M. Ferar. 169,431, Apr. 28.
Cabinet, Refrigerator. P. Muller-Munk. 168,583, Jan. 6.
Cabinet, Sewing. B. L. Franklin. 169,969, July 7.
Cabinet, Spice. C. H. Greenlee. 170,018, July 14.
Cabinet, Television. S. E. Adler. 168,643, Jan. 20.
Cabinet, Television. S. E. Adler. 170,140, Aug. 11.
Cabinet, Television. F. H. Ellison. 169,363, Apr. 21.
Cabinet, Television. L. G. Martin. 168,798–9, Feb. 10.
Cabinet, Television. B. G. Walent. 169,345, Apr. 14.
Cabinet, Television console. G. Trautvetter. 170,292, Aug. 25.
Cabinet Television receiver. J. De Young. 169,427, Apr. 28.
Cabinet, Toothbrush. G. J. Coleman. 171,029, Dec. 8.
Cabinet unit, Fountain. D. C. Smith and W. Livingston. 168,661, Jan. 20.
Cabinet, Wall. H. R. Trout and F. M. Hill. 169,795, June 2.
Cable depressor, Underwater kite-type. J. D. Isaacs. 168,999, Mar. 10.
Cage for birds, Show. B. W. Womack. 170,957, Nov. 24.
Cakeholder and cover therefor or similar article, Combined. E. S. Tupper. 170,561, Oct. 6.
Calculator. K. P. Jaeger. 169,941, June 30.
Calendar. J. P. Goodson. 171,129, Dec. 22.
Calendar or the like. S. Tylon. 170,172, Aug. 11.
Calendar sheet. W. W. Potter. 169,107, Mar. 24.
Camera. C. H. Frank, Jr. 170,686–7, Oct. 27.
Camera. A. Simmon. 169,343, Apr. 14.
Camera housing unit, Photographic. A. C. Mueller. 169,165, Mar. 31.
Camera, Motion-picture. W. H. Bach and R. L. George. 168,610, Jan. 13.
Camera, Photographic. G. Bucky. 170,145, Aug. 11.
Camera, Photographic. M. Schwartz and W. Castedello. 170,032, July 14.
Camera, Stereoscopic. J. E. Davis. 170,568, Oct. 13.
Can and bottle opener, Combined. W. E. Gundelfinger. 168,649, Jan. 20.
Can, Dispensing. W. Mack. 168,848, Feb. 17.
Candle. P. C. Perlmutter. 170,027, July 14.
Candleholder. R. C. McLean. 170,827, Nov. 10.
Candy bar or similar article. E. Opler. 170,362, Sept. 8.
Cane-doll. F. Carver. 169,802, June 9.
Canister. C. M. Del Mas. 169,966, July 7.
Canister and cover, Combined. E. S. Tupper. 170,562, Oct. 6.
Canister or similar article. M. S. Ziskin and R. B. Billig. 170,295, Aug. 25.
Canopy. J. E. Jones. 168,895–6, Feb. 24.
Cap. M. Briers. 170,398–9, Sept. 15.
Cap. S. Feldman. 169,968, July 7.
Cap. G. B. Weber. 170,072, July 21.
Cap for tube or similar article. M. Brav. 170,395, Sept. 15.
Cape. L. C. Boyd. 169,352, Apr. 21.
Cape. M. E. Homan. 169,670, May 26.
Cape, Rain. V. Street. 169,017, Mar. 10.
Car, Amusement ride. A. H. Tober. 169,229, Mar. 31.
Car body, Railway. J. E. Candlin, Jr. 170,400, Sept. 15.
Car body, Railway. A. B. Girardy, C. V. Norby, and D. W. Doman. 169,938, June 30.
Car body, Railway. A. B. Girardy, C. V. Norby, and D. W. Doman. 170,857, Nov. 17.
Car body, Railway. S. W. Kay. 169,855–6, June 16.
Carboy. B. H. Gardner and F. G. Towle. 168,889, Feb. 24.
Car, Combined funeral and flower. R. D. Ehret. 169,582, May 19.
Car, Observation. R. W. Haman, C. V. Norby, and D. W. Doman. 168,837, Feb. 17.
Card holder, ash tray, and glass coaster, Combined playing. G. M. Johnson. 169,041, Mar. 17.
Cards for playing a baseball game, Set of. R. F. Nekuda. 170,269, Aug. 25.
Carpet. R. Heller. 169,255–6, Apr. 7.
Carrier, Bottle. C. G. and T. T. Kelley. 169,318, Apr. 14.
Carrier package and cans, Combined. J. K. Bruce and T. H. Davis. 169,472, May 5.
Carrying case. E. H. Nelson. 168,632, Jan. 13.
Cart, Caddy. F. A. Gastright. 170,636, Oct. 20.
Cart, Hand. P. M. Rogers. 170,137, Aug. 4.
Cart, Laundry. W. N. Kraus. 168,745, Feb. 3.
Cart, Serving. M. Moxley. 169,775, June 2.
Cart, Utility. R. D. Garlock. 170,915, Nov. 24.
Cart, Vacuum cleaner. C. D. Reece. 169,336–7, Apr. 14.
Case, Bottle carrying. K. K. Hudson. 171,131, Dec. 22.
Case, Combination cigarette and vanity. D. M. Ganz and R. G. Feiner. 169,311, Apr. 14.
Case for bottles, Carrying. K. K. Hudson. 171,132, Dec. 22.
Case for sheet material, Display. H. Fund. 168,989, Mar. 10.
Case, Instrument. R. M. Rowell and R. B. Kerr. 170,658, Oct. 20.
Case or similar article, Cutlery. N. Goldman. 170,973, Dec. 1.
Case or similar article, Wrist watch. E. G. Schwarz. 169,457, Apr. 28.
Case, Piano. W. Millington and W. M. Day. 168,962, Mar. 3.
Case, Piano. W. Millington and W. M. Day. 169,044, Mar. 17.
Case, Piano. W. Millington and W. M. Day. 171,097, Dec. 15.
Case, Shipping. T. R. Polglase. 169,220, Mar. 31.
Case, Spectacle. R. F. E. Stegeman. 170,343, Sept. 1.
Casing for a piano or similar article. J. Barofsky. 168,611, Jan. 13.
Casing for a piano or similar article. J. Barofsky. 169,236, Apr. 7.
Casing for a sewing machine. A. L. Foyar. 168,929, Mar. 3.
Casing for a weighing scale. C. Best. 169,051, Mar. 24.
Casing for a wringer. A. J. Lundy. 170,470, Sept. 22.
Cash tray and carrier, Combination. J. McCaffrey. 171,218, Dec. 29.
Caster cup or similar article. B. Auer. 169,409–10, Apr. 28.
Caulking gun. W. P. Peterson. 170,428, Sept. 15.
Cedar chest or the like. H. M. Barringer. 170,621, Oct. 20.
Chafing dish. D. C. O'Connell. 168,905, Feb. 24.

Chain, Expansible. S. Ritter. 168,655, Jan. 20.
Chain for a bracelet or similar article, Expansible. K. C. Augenstein. 169,651, May 26.
Chain for a bracelet or similar article, Link. M. Chernow. 171,195, Dec. 29.
Chain for a bracelet or similar article, Link. J. V. Saccone. 170,244–5, Aug. 18.
Chain for a bracelet or the like, Expansible. J. V. Saccone. 168,597, Jan. 6.
Chain for a bracelet or the like, Expansible link. E. Rodriguez. 170,028, July 14.
Chain for a bracelet or the like, Expansible link. E. Rodriguez. 170,719–20, Oct. 27.
Chain for a bracelet or the like, Expansible link. J. V. Saccone. 170,388, Sept. 8.
Chain for a bracelet or the like, Link. A. Katz. 169,592, May 19.
Chain for a bracelet or the like, Link. A. Katz. 169,596, May 19.
Chain for a bracelet or the like, Link. A. Katz. 170,126–7, Aug. 4.
Chain for a bracelet or the like, Link. A. Katz. 170,577, Oct. 13.
Chain for a bracelet or the like, Link. A. Katz. 170,585. Oct. 13.
Chain for a bracelet or the like, Link. A. Katz. 170,702, Oct. 27.
Chain for a bracelet or the like, Link. A. Katz. 170,988, Dec. 1.
Chain for a bracelet or the like, Link. A. Katz. 170,990, Dec. 1.
Chain for a bracelet or the like, Link. A. Katz. 171,156, Dec. 22.
Chain for a bracelet or the like, Link. A. Philippe. 168,637, Jan. 13.
Chain for a bracelet or the like, Link. A. Philippe. 169,102, Mar. 24.
Chain for a bracelet or the like, Link. A. Philippe. 169,200, Mar. 31.
Chain for a bracelet or the like, Link. A. Philippe. 169,202, Mar. 31.
Chain for a bracelet or the like, Link. A. Philippe. 169,217–19, Mar. 31.
Chain for a bracelet or the like, Link. A. Philippe. 169,691, May 26.
Chain for a bracelet or the like, Link. A. Philippe. 170,131–2, Aug. 4.
Chain for a bracelet or the like, Link. A. Philippe. 170,210, Aug. 18.
Chain for a bracelet or the like, Link. A. Philippe. 170,366, Sept. 8.
Chain for a bracelet or the like, Link. A. Philippe. 170,371–2, Sept. 8.
Chain for a bracelet or the like, Link. A. Philippe. 170,606, Oct. 13.
Chain for a necklace or similar article, Link. M. Chernow. 171,028, Dec. 8.
Chain for a necklace or similar article, Link. M. Chernow. 171,082–3, Dec. 15.
Chain for a necklace or similar article, Link. M. Chernow. 171,121, Dec. 22.
Chain for a necklace or similar article, Link. M. Chernow. 171,194, Dec. 29.
Chain for a necklace or the like, Link. A. Katz. 168,624. Jan. 13.
Chain for a necklace or the like, Link. A. Katz. 169,603, May 19.
Chain for a necklace or the like, Link. A. Katz. 169,815, June 9.
Chain for a necklace or the like, Link. A. Katz. 169,851, June 16.
Chain for a necklace or the like, Link. A. Katz. 170,578, Oct. 13.
Chain for a necklace or the like, Link. A. Katz. 170,992, Dec. 1.
Chain for a necklace or the like, Link. A. Katz. 171,036, Dec. 8.
Chain for a necklace or the like, Link. A. Katz. 171,153, Dec. 22.
Chain for a necklace or the like, Link. A. Philippe. 169,178–9, Mar. 31.
Chain for a necklace or the like, Link. A. Philippe. 169,181–2, Mar. 31.
Chain for a necklace or the like, Link. A. Philippe. 169,780–2, June 2.
Chain for a necklace or the like, Link. A. Philippe. 170,133–6, Aug. 4.
Chain for a necklace or the like, Link. A. Philippe. 170,229, Aug. 18.
Chain for a necklace or the like, Link. A. Philippe. 170,365, Sept. 8.
Chain for a necklace or the like, Link. A. Philippe. 170,376, Sept. 8.
Chain for a necklace or the like, Link. A. Philippe. 170,380–4, Sept. 8.
Chain for a necklace or the like, Link. A. Philippe. 170,605, Oct. 13.
Chain for a wristband or similar article, Expansible link. A. Pinson. 169,784–5, June 2.
Chain for a wristband or similar article, Expansible link. A. Pinson. 171,046–7, Dec. 8.
Chain for a wrist watch bracelet or the like, Expansible. W. C. Boots. 168,776, Feb. 10.
Chain, Link. M. Chernow. 171,027, Dec. 8.
Chain link or similar article. A. Chisholm. 169,057, Mar. 24.
Chair. J. E. Adkinson. 171,116, Dec. 22.
Chair. H. Bertoia. 170,790–1, Nov. 10.
Chair. G. W. Florian, H. W. Streck, and W. E. Kelsey, Jr. 169,742, June 2.
Chair. A. Gould. 168,993, Mar. 10.
Chair. B. F. Hamilton. 169,810, June 9.
Chair. J. C. Higgins. 169,485, May 5.
Chair. H. C. Jackson. 170,121, Aug. 4.
Chair. D. R. Johnson. 168,843, Feb. 17.
Chair. J. E. Jones. 171,208, Dec. 29.
Chair. H. J. Kaufman. 170,704, Oct. 27.
Chair. C. P. Molla. 171,002–3, Dec. 1.
Chair. T. D. Quintana. 169,948, June 30.
Chair. J. H. Risley. 169,338, Apr. 14.
Chair. W. Urda. 170,954, Nov. 24.
Chair. W. W. Vincent, Jr. 168,606–8, Jan. 6.
Chair. F. Wagner. 168,772, Feb. 3.
Chair. R. B. Wilemin. 169,299, Apr. 7.
Chair. M. Yellen. 171,176, Dec. 22.
Chair and step stool unit, Convertible. A. L. Meagher. 170,471, Sept. 22.
Chair, Auditorium. N. W. Fisher. 169,132, Mar. 31.
Chair, Child's auto. E. O. Musser. 169,013, Mar. 10.
Chair, Combination dental and medical operating. N. E. Lauterbach and W. D. Teague. 168,845, Feb. 17.
Chair, Contour. F. J. Katulski. 171,211, Dec. 29.
Chair-desk. L. W. Brulin and L. F. Covey. 168,782, Feb. 10.
Chair, Folding. J. M. Wiegel. 171,240, Dec. 29.
Chair, Folding desk. R. C. Moore. 170,331, Sept. 1.
Chair, Infant feeding. F. C., Jr., and M. A. Terzia. 169,398, Apr. 21.
Chair lounge, Convertible. A. J. Duke. 169,245, Apr. 7.
Chair or the like. D. Chapman and R. G. Reineman. 169,930–1, June 30.
Chair or the like, Dental. E. J. Ries. 168,857, Feb. 17.
Chair, Posture. H. Merit and H. G. Wear, Jr. 169,908, June 23.
Chair, Reclining. H. Sloan. 169,228, Mar. 31.
Chair, Rocker. R. A. Beaudette. 170,073, July 28.
Chair, Rocking. J. E. Jones. 171,209, Dec. 29.
Chair seat and back assembly. J. E. Jones. 171,210, Dec. 29.
Chaise, Adjustable. A. P. Krikorian. 169,818, June 9.
Chart, Accident. A. Brown. 169,355, Apr. 21.
Checkerboard. B. L. Hulcher. 168,037, Mar. 3.
Chest. M. L. Gershun. 170,856, Nov. 17.
Chest. E. Herrmann. 170,021, July 14
Chest of drawers. E. Herrman and W. J. Carr. 168,839–41, Feb. 17.
Chest, Service man's. J. T. Shepler. 170,612, Oct. 13.
China stand. A. Chicorel. 168,884, Feb. 24.
Chocolate chick. I. Garb. 169,250, Apr. 7.
Chocolate confection. R. M. Palmer. 169,454, Apr. 28.
Christmas ornament, Music box. J. Petry. 170,604, Oct. 13.
Christmas tree ornament. A. Glorklint. 170,799, Nov. 10.
Churn, Power butter. H. Blanchette. 170,446, Sept. 22.
Cigarette. H. M. Reseska. 170,716, Oct. 27.
Cigarette extinguisher and handle for an ash receiver, Combined. D. C. MacNally and L. S. Berdahl. 169,042, Mar. 17.
Clasp and hook, Combined. G. S. Nalle, Jr. 170,544, Oct. 6.
Clasp device for a multiple strand bracelet or the like. R. Rubel. 168,596, Jan. 6.
Clasp for necklaces and the like. F. W. Young. 168,816, Feb. 10.
Cleaning tissue, and lamp housing, Combined. H. D. Brown. 170,522, Oct. 6.
Cleaning unit for toilet bowls, urinals, or the like, Liquid-dispensing. W. Turner. 169,115, Mar. 24.
Cleaver, tenderizer, and saw or similar article, Combined. S. L. Gerson. 169,843, June 16.
Clip, Curtain. D. Karpel. 171,091, Dec. 15.
Clip or similar article. R. Semensohn. 170,950, Nov. 24.
Clock. I. B. Hall. 170,859, Nov. 17.
Clock. J. F. Punzak. 169,947, June 30.
Clock and radio cabinet, Combination. S. E. Adler. 170,620, Oct. 20.
Clock and radio cabinet. Combination. L. H. Wilson. 170,785, Nov. 3.
Clock and radio, Combination. E. Klein. 169,767, June 2.
Clockcase. P. L. Garland, Jr. 169,432, Apr. 28.
Clockcase. C. Otto. 169,453, Apr. 28.
Clockcase or similar article. J. Gottlieb. 169,659, May 26.
Clock casing. F. Lux and H. D. Beerbaum. 170,324, Sept. 1.
Clock, Desk. C. W. Sheldon. 170,069, July 21.
Clock, Electric. R. C. Bridges. 171,078, Dec. 15.
Clock or similar article. K. Lendrait. 170,929, Nov. 24.
Clock or similar article. P. Taller. 170,391, Sept. 8.
Clock, radio, and piano casing, Combination. M. Liffmann and N. Turilli. 169,512, May 5.
Closure cap for a fluid container spout. H. M. Lehmann. 169,266, Apr. 7.
Closure cap for steel cans or similar articles. J. W. Soffer and G. S. Hunt. 169,994, July 7.
Closure for collapsible tubes. C. M. Del Mas. 169,839, June 16.

Closure for toothpaste tubes or the like. C. M. Del Mas. 170,971, Dec. 1.
Clothesbrush. C. A. Fogarty. 169,248, Apr. 7.
Clothershorse. C. A. Nelson. 170,473, Sept. 22.
Clothesline reel. A. E. Ogren. 170,162, Aug. 11.
Clothesrack, Foldable. G. H. Meister. 169,688, May 26.
Clothes tree or the like. N. Davenport. 170,629, Oct. 20.
Coat hanger and brush, Combined. W. B. Schaefer. 168,912, Feb. 24.
Coffee brewer. F. E. Newman. 169,778, June 2.
Coffee maker. A. Balboni. 171,074, Dec. 15.
Coffee maker. M. H. Graham, J. N. Polivka, J. K. Hamilton, and R. G. Davis. 171,202, Dec. 29.
Coffee maker. S. J. Popell. 170,510, Sept. 29.
Coffee maker and dispenser, Combination pressure. G. Gaggia. 169,842, June 16.
Coin holder and auto visor clip combination. C. M. Del Mas. 170,569, Oct. 13.
Coin holder and clip, Combined. C. M. Del Mas. 170,796, Nov. 10.
Coin holder attachment for automobile visors or the like. B. Katz. 169,550, May 12.
Coin selector, Drop chute. M. A. Hall. 169,065, Mar. 24.
Cold and hot pack, Combination. H. Gloeckler. 170,499, Sept. 29.
Comb. H. L. Athens and O. W. Risto. 171,073, Dec. 15.
Comb. H. Goldman. 169,808, June 9.
Comb. W. Sklavenitis. 169,792, June 2.
Comb or the like. J. C. Foster. 168,737, Feb. 3.
Combination food and beverage blender. F. Collura. 168,674, Jan. 27.
Comedy figure. R. W. Kayser. 170,502, Sept. 29.
Compact. C. M. Del Mas. 170,750, Nov. 3.
Comport or similar article, Glass. H. King. 168,795, Feb. 10.
Computer housing. T. C. Sandborg. 171,106, Dec. 15.
Computer, Motor vehicle. R. K. Stortz. 168,976, Mar. 3.
Confection or the like, Frozen. W. A. Richter. 169,390, Apr. 21.
Console, Organ. W. Millington and W. M. Day. 169,381, Apr. 21.
Console, Organ. W. Millington and W. M. Day. 171,096, Dec. 15.
Container, Address. A. L. Shirley. 171,110, Dec. 15.
Container and dispenser, Combined aerosol. R. A. Colotti. 168,783, Feb. 10.
Container for game counters. D. T. Paddock. 169,094, Mar. 24.
Container for lamp bulbs, Display. J. R. Bassler. 170,846, Nov. 17.
Container for refrigerators, Egg. J. L. Sholkin. 168,810, Feb. 10.
Container for toiletries or the like. L. Lewis and L. Richter. 168,899, Feb. 24.
Container, Lady's undergarment. I. Kornblau. 169,376, Apr. 21.
Container or similar article, Manicuring implement. W. Beleck. 168,819, Feb. 17.
Container or similar article, Suspended waste. S. F. Croft, Jr. 169,032, Mar. 17.
Container or the like, Condiment. M. S. Ziskin and R. B. Billig. 170,180, Aug. 11.
Container unit for disinfectants, deodorants, insecticides, and the like. M. Antritter. 169,349, Apr. 21.
Container unit for disinfectants, deodorants, insecticides, and the like. D. Rauch. 170,655, Oct. 20.
Container unit for disinfectants, deodorants, insecticides, and the like. H. Rosenthal. 170,770, Nov. 3.
Control and indicator knob. S. G. Mundt. 168,902, Feb. 24.
Control knob and escutcheon plate, Combined. P. S. Morse. 169,045, Mar. 17.
Control panel for a washing machine, Combined top and backguard. B. N. Trombley. 169,872, June 16.
Control panel for freezers, refrigerators, and the like. R. D. Budlong. 169,961, July 7.
Control panel, Television cabinet. S. E. Adler. 170,394, Sept. 15.
Cooker and deep fat fryer, Combination. I. Jepson. 170,575, Oct. 13.
Cooking top. A. G. Hupp. 169,260, Apr. 7.
Cooler and fan, Combined water. B. Cisenfeld. 170,678, Oct. 27.
Cooler, Automobile. T. L. Hedgpeth. 168,792–3, Feb. 10.
Cooler, Automobile air. W. J. Stolz and A. Glassenhart. 170,431, Sept. 15.
Cooler, Beverage. R. M. Hallock. 168,935, Mar. 3.
Cooler, Room. D. P. Chuboff. 170,851, Nov. 17.
Cooling basin for air-conditioning unit. M. M. Cunningham. 169,531, May 12.
Copyholder for typists. M. G. Lewis. 169,906, June 23.
Copying machine, Document. E. E. White and G. J. Smith. 170,486, Sept. 22.
Corner guard for luggage. W. Bialo. 169,652, May 26.
Cornice unit, Sports display. W. M. Goodstein. 169,585, May 19.
Counter and desk unit, Combined. H. D. Lindstrom. 169,008, Mar. 10.
Counter, Combined service and display. T. Carvel. 170,003, July 14.
Course indicator. A. A. Collins and H. M. Schweighofer. 170,184, Aug. 18.
Coverall-apron, Child's. A. Hagan. 170,156, Aug. 11.
Cover, Banquet. D. L. Painter. 170,712, Oct. 27.
Cover, Box. F. Wagner. 169,643, May 19.
Cover, Box. W. C. P. Zabel and P. Young. 170,104, July 28.
Cover, Hot plate dish. J. E. Krilow. 169,004, Mar. 10.
Cover, Liquefier bowl. W. B. Kochner. 168,693, Jan. 27.
Cowling for motorcycle engines. W. E. Brown. 170,077, July 28.
Crate, Animal. R. K. McKee. 168,650, Jan. 20.
Crayon sharpener. M. C. Knapp. 169,980, July 7.
Crib, Infant's. A. G. Feldman. 168,679–81, Jan. 27.
Cribbage board. B. V. Hare. 170,501, Sept. 29.
Cribbage board. S. G. Isserstedt. 170,120, Aug. 4.
Cribbage board or similar article. A. V. Capodanno. 169,801, June 9.
Crumb brush, Tablecloth. Z. W. Rosen. 169,339–41, Apr. 14.
Crutch. L. A. Wood. 170,437, Sept. 15.
Cuff link or similar article. P. Colmar. 170,525, Oct. 6.
Cup. C. M. Del Mas. 168,784, Feb. 10.
Cup and guard ring, Combined drinking. K. V. Skipp. 170,289, Aug. 25.
Cup, Drinking. J. R. Hare. 170,400, Sept. 15.
Cupholder attachment. K. H. MacKay. 170,325, Sept. 1.
Cup hook. O. Gries. 170,196, Aug. 18.
Cup, Ice cream. M. L. Conlin. 171,122, Dec. 22.
Cup or similar article. A. R. Backus. 169,235, Apr. 7.
Cup or similar article. G. R. Palmeter. 170,652, Oct. 20.
Cup, toothbrush, and toothpaste holder, Combined drinking. R. Mayer. 171,001, Dec. 1.
Curler and comb, Combination hair. A. L. Lewis. 170,595, Oct. 13.
Cushion or similar article, Rug. D. R. Harwin, A. Stern, and V. H. Bodle. 170,861, Nov. 17.
Cuspidor and shield, Combined dental. W. B. Rice. 170,285, Aug. 25.
Dagger, Throwing. G. J. Kundikoff. 170,824, Nov. 10.
Decanter. H. C. Berkowitz. 169,926, June 30.
Decanter. H. C. Berkowitz. 169,957, July 7.
Decanter. R. E. Hennessy. 170,462, Sept. 22.
Decanter. R. E. Hennessy. 170,573, Oct. 13.
Decorative device, Illuminable. L. B. Johnson. 171,035, Dec. 8.
Decorative display device. R. L. Butzko. 169,123, Mar. 31.
Decorative paneling, Embossed. L. G. Buckley. 170,144, Aug. 11.
Deep freezer and buffet unit, Combination. M. M. Tell. 168,603, Jan. 6.
Dehumidifier. L. H. Wilson. 170,900, Nov. 17.
Dental abrading unit. R. C. Angell. 170,739, Nov. 3.
Deodorizer. L. P. Zelenka. 171,177, Dec. 22.
Desk. J. T. Armbruster. 170,740, Nov. 3.
Desk. F. S. Knoll. 169,320, Apr. 14.
Desk. F. S. Knoll. 169,375, Apr. 21.
Desk. D. Schindele. 170,031, July 14.
Desk, Devotional. E. A. Brenner. 170,076, July 28.
Desk, School. G. W. Florian, H. W. Streck, and W. E. Kelsey, Jr. 168,787, Feb. 10.
Desk and counter, Combined. W. D. Goins, Sr. 169,973, July 7.
Desk and seat unit, Combined. R. J. Silverman. 168,659, Jan. 20.
Desk-chair unit or the like, Combination. D. Chapman and R. G. Reineman. 170,005, July 14.
Desk or similar article, Book box. W. J. Bargen. 171,181, Dec. 29.
Desk or the like. D. Chapman and R. G. Reineman. 170,004, July 14.
Desk pad and penholder, Combined. H. W. Marano. 170,879–81, Nov. 17.
Desk, seat, and blackboard, Combined. L. T. Musacco. 169,012, Mar. 10.
Desk tray for typists' accessories. L. P. Caldwell and P. C. Wohlt. 170,627, Oct. 20.
Diagnostic instrument head. M. C. Burrett. 170,744, Nov. 3.
Diagnostic instrument head. R. F. E. Stegeman. 171,169, Dec. 22.
Dial for a combination lock, Concealed. H. G. Ball. 171,117, Dec. 22.
Diaper cover or the like. W. H. Goldstein. 171,128, Dec. 22.
Dish, Baby. J. E. Donaldson. 170,010, July 14.
Dish, Chafing. D. C. O'Connell. 169,166, Mar. 31.
Dish or similar article, Glass. T. C. Heisey. 169,314, Apr. 14.
Dish or the like. E. Zelsel. 170,735, Oct. 27.
Dish or the like. E. Zelsel. 170,788, Nov. 3.
Dish, Sandwich. L. M. Ross. 171,168, Dec. 22.
Dispenser and condiment holder, Combined match. F. R. McNine. 170,650, Oct. 20.
Dispenser and disposal box, Combination. M. L. Gorham. 170,974, Dec. 1.
Dispenser and toothbrush holder, Combined tooth paste. J. Arena. 170,000, July 14.
Dispenser, Cigarette package. C. A. Laughlin. 169,905, June 23.
Dispenser display, Beverage. S. Vitale. 170,732, Oct. 27.
Dispenser, Drink. E. Nelson. 168,753. Feb. 3.
Dispenser for cigarettes and the like. L. R. Slaton. 171,014, Dec. 1.

Dispenser for liquids, Spray-type. K. K. Miller. 169,984, July 7.
Dispenser for powdered or granular materials. G. Graff. 170,858, Nov. 17.
Dispenser, Ice-cream cone. M. Goldberg. 169,901, June 23.
Dispenser, Liquid. E. H. Sieling. 169,793, June 2.
Dispenser, Melted butter. F. H. Newman, Jr., and C. B. Stevens. 168,802, Feb. 10.
Dispenser of aliments or condiments or similar article. I. Lapofsky. 169,264, Apr. 7.
Dispenser or similar article, Combined salt and pepper. D. M. Witzgall. 169,526, May 5.
Dispenser or similar article, Cup. H. L. Bennett. 468,729, Feb. 3.
Dispenser or similar article, Tape. J. O. Reinecke. 169,788–9, June 2.
Dispenser, Package. E. S. Black. 170,492, Sept. 29.
Dispenser, Tape. J. O. Reinecke. 169,989, July 7.
Dispenser, Tape. J. O. Reinecke. 170,429, Sept. 15.
Dispensing can, Powder. E. W. Freeman. 169,970, July 7.
Dispensing device for granulated material. R. E. Ponder. 168,593, Jan. 6.
Dispensing device for small elements, Hand. E. Ischinger, Sr. 170,411–14, Sept. 15.
Dispensing machine, Soft drink. P. Destun. 170,310, Sept. 1.
Dispensing unit, Portable fluid. W. W. Alsup. 170,440, Sept. 22.
Display and protective device for a telephone receiver or similar article, Combined. L. E. Larabell. 171,161, Dec. 22.
Display case and order box, Combined. C. E. Chamberlain. 168,533, Jan. 6.
Display device, Hosiery. H. B. Chapin. 168,731, Feb. 3.
Display form, Sock. H. M. Fisk. 169,809, June 23.
Display globe, Pharmacy. F. Hart. 170,572, Oct. 13.
Display package, Gift wrapping. H. Abrahams and I. Ruiva. 170,617, Oct. 20.
Display stand, Bracelet. A. J. Garreau. 169,806, June 9.
Display stand, Merchandise. G. J. Vetter. 168,813, Feb. 10.
Display unit. H. Hyams. 169,674, May 26.
Display unit of interfitted toy blocks. J. B. Henke and R. W. Beach. 169,482, May 5.
Dog toilet, Sanitary. F. Bloom. 170,906, Nov. 24.
Doll. M. M. Collins. 170,007, July 14.
Doll. H. G. Cooke. 170,008, July 14.
Doll. M. P. Jones. 170,322, Sept. 1.
Doll. H. Landorf. 169,627, May 19.
Doll. P. M. Mathews. 170,326, Sept. 1.
Doll. M. W. Peters. 170,714, Oct. 27.
Doll, Clown. H. Caillaud. 169,417, Apr. 28.
Doll, Pillow. H. Aronov. 170,348, Sept. 8.
Doll, Powder dispensing. M. Adams. 168,876, Feb. 24.
Door chime housing. L. W. Rittenhouse. 169,392, Apr. 21.
Door closer. E. L.–Schlage. 170,949, Nov. 24.
Door for refrigerators or the like, Evaporator. R. C. Sandin. 168,766, Feb. 3.
Door for refrigerators or the like, Evaporator. L. P. Wassmann. 168,773, Feb. 3.
Door frame, Shower. J. A. Woodworth. 169,234, Mar. 31.
Door handle and lock protective glove, Automobile. J. K. Rogers. 169,697–8, May 26.
Door handle guard. D. Frees and E. L. Schwartz. 168,538–9, Jan. 6.
Door handle guard. D. Frees and E. L. Schwartz. 168,931, Mar. 3.
Doorknob. M. Kendrick. 169,551, May 12.
Door operator. H. L. Miller. 169,630, May 19.
Double boiler adapter ring. C. C. Carr. 169,421, Apr. 28.
Doughnut. H. E. Meilstrup. 170,062, July 21.
Drawer pull. E. M. Borchers. 169,302, Apr. 14.
Drawer pull. S. G. Budal. 169,414, Apr. 28.
Drawer pull. J. R. Deadrick. 169,532–3, May 12.
Drawing board. L. Jonesl. 169,977, July 7.
Dress. E. T. Bekeschus. 170,742, Nov. 3.
Dress. D. E. Gothé. 170,191, Aug. 18.
Dress. J. S. Gross. Dress. 170,197, Aug. 18.
Dress. B. Kalish. 170,200–1, Aug. 18.
Dress. J. E. Maisch. 168,948–60, Mar. 3.
Dress. K. E. Sedlacek. 169,016, Mar. 10.
Dress. M. Tait. 170,895, Nov. 17.
Dress. M. Tait. 171,236, Dec. 29
Dress. B. C. Tilhou. 170,731, Oct. 27.
Dress. M. Verrand. 170,779, Nov. 3.
Dress ensemble. H. Lipman. 170,596, Oct. 13.
Dress ensemble. H. Lipman. 170,708, Oct. 27.
Drier, Electric hand. M. Fine. 170,353, Sept. 8.
Drier, Laundry. H. L. Bourner. 170,350 Sept. 8
Drill display unit or similar article. L. H. Drohman. 170,872, Nov. 17.
Drill unit. A. B. Crichton, Jr. 170,185, Aug. 18.
Dropper for the ears, eyes, nose or the like. R. P. Vuillemenot and M. E. St. Clair. 169,996, July 7.
Drum unit, Magnetic. G. H. Kress and C. W. Sundberg. 169,684, May 26.
Drum upender or similar article. J. Oros and W. H. Moorhead. 168,586, Jan. 6.
Ear ornament and hair ornament, Combined. S. F. Behr. 170,518, Oct. 6.
Earring. J. H. and M. E. Rude. 170,549, Oct. 6.
Earring or similar article. M. Chernow. 170,963, Dec. 1.
Earring or similar article. R. Semensohn. 171,059, Dec. 8.
Earring or similar article. E. White and R. H. Witmer. 169,021, Mar. 10.
Earring or the like. A. Katz. 168,618–20, Jan. 13.
Earring or the like. A. Katz. 168,622, Jan. 13.
Earring or the like. A. Katz. 168,625, Jan. 13.
Earring or the like. A. Katz. 168,564–73, Jan. 6.
Earring or the like. A. Katz. 168,940, Mar. 3.
Earring or the like. A. Katz. 169,494–7, May 5.
Earring or the like. A. Katz. 169,500, May 5.
Earring or the like. A. Katz. 169,502, May 5.
Earring or the like. A. Katz. 169,504, May 5.
Earring or the like. A. Katz. 169,543–9, May 12.
Earring or the like. A. Katz. 169,602, May 19.
Earring or the like. A. Katz. 169,604–9, May 19.
Earring or the like. A. Katz. 169,623, May 19.
Earring or the like. A. Katz. 170,262–3, Aug. 25.
Earring or the like. A. Katz. 170,265–7, Aug. 25.
Earring or the like. A. Katz. 170,359, Sept. 8.
Earring or the like. A. Katz. 170,580, Oct. 13.
Earring or the like. A. Katz. 170,809–10, Nov. 10.
Earring or the like. A. Katz. 170,812, Nov. 10.
Earring or the like. A. Katz. 170,815, Nov. 10.
Earring or the like. A. Katz. 170,817–19, Nov. 10.
Earring or the like. A. Katz. 170,821–3, Nov. 10.
Earring or the like. A. Katz. 170,865–6, Nov. 17.
Earring or the like. A. Katz. 170,869, Nov. 17.
Earring or the like. A. Katz. 170,872, Nov. 17.
Earring or the like. A. Katz. 171,135–7, Dec. 22.
Earring or the like. A. Katz. 171,139, Dec. 22.
Earring or the like. A. Katz. 171,141, Dec. 22.
Earring or the like. A. Katz. 171,145–6, Dec. 22.
Earring or the like. A. Katz. 171,148, Dec. 22.
Earring or the like. A. Philippe. 168,634, Jan. 13.
Earring or the like. A. Philippe. 169,096–100, Mar. 24.
Earring or the like. A. Philippe. 169,194, Mar. 31.
Earring or the like. A. Philippe. 169,205, Mar. 31.
Earring or the like. A. Philippe. 169,327–30, Apr. 14.
Earring or the like. A. Philippe. 169,779, June 2.
Earring or the like. A. Philippe. 170,207, Aug. 18.
Earring or the like. A. Philippe. 170,212, Aug. 18.
Earring or the like. A. Philippe. 170,216–20, Aug. 18.
Earring or the like. A. Philippe. 170,225–7, Aug. 18.
Earring or the like. A. Philippe. 170,270, Aug. 25.
Earring or the like. A. Philippe. 170,273–5, Aug. 25.
Earring or the like. A. Philippe. 170,337, Sept. 1.
Earring or the like. A. Philippe. 170,370, Sept. 8.
Earring or the like. A. Philippe. 170,385, Sept. 8.
Earring or the like. A. Philippe. 170,941, Nov. 24.
Educational alphabet cards, Set of. M. E. Corbett and G. C. Hoff. 171,084, Dec. 15.
Educational device. S. Zipkin. 170,563, Oct. 6.
Egg extractor. H. Becker. 168,879, Feb. 24.
Egg holder. B. W. Smith. 170,663, Oct. 20.
Egg server. L. Kalt. 168,690, Jan. 27.
Electric range. F. M. Gustafson. 168,893, Feb. 24.
Electronic comparator or the like. R. E. Roeger. 170,511, Sept. 29.
Emblem for household appliances or the like. M. Ferar. 170,013, July 14.
Emblem or similar article, Applique. C. L. Smith. 168,610, Jan. 13.
Emblem or the like, Applique. H. Tobler. 168,869, Feb. 17.
Emblem or the like, Applique. H. Tobler. 168,979, Mar. 3.
Embroidered trimming or similar article. F. Weber. 169,524, May 5.
Embroidered trimming, or the like, Narrow. F. J. Diamant. 170,495, Sept. 29.
End cap for a Venetian blind bottom bar. H. K. Lorentzen. 168,579, Jan. 6.
End support for books and the like. M. W. Clement and H. L. Stevenson. 170,306, Sept. 1.
Engine, Gasoline. A. W. Mall and O. Lingle. 169,943, June 30.
Engine priming device. G. E. Franck. 170,313, Sept. 1.
Envelope. J. Hyman. 168,615, Jan. 13.
Eraser and brush, Combined. W. Meyer. 168,750, Feb. 3.
Escutcheon plate for a stove or range. J. B. Stuman. 171,170, Dec. 22.
Evaporator unit, Milk. A. W. Eckstrom. 171,198, Dec. 29.
Exhaust pipe jettison. N. D. Armstrong and C. L. Anderson. 171,022, Dec 8.
Eyeshade. R. W. Dieroff. 169,130, Mar. 31.
Eyeshade. H. B. McMurdo. 169,776, June 2.
Fabric, Appliqued. B. Friedman and S. Rosengarten. 168,540, Jan. 6.
Fabric, Curtain. M. Sadinoff. 169,638, May 19.
Feeder or similar article, Calf. K. L. Swanson. 168,771, Feb. 3.
Fabric or similar article, Embossed textile. H. Wagner. 169,399, Apr. 21.
Fabric or similar article, Plastic coated. D. A. Saporito. 170,775, Nov. 3.
Fabric or similar article, Textile. N. Feinstein. 170,630, Oct. 20.
Fabric or similar article, Textile. A. Holland. 169,844–5, June 16.
Fabric or similar article, Textile. M. Lefkowitz. 168,696, Jan. 27.
Fabric or similar article, Textile. M. Lefkowitz. 169,149–50, Mar. 31.

Fabric or similar article, Textile. J. E. Maisch. 170,646, Dec. 20.
Fabric or similar article, Textile. H. Odzer. 168,633, Jan. 13.
Fabric or similar article, Textile. H. Odzer. 168,701–3, Jan. 27.
Fabric or similar article, Textile. H. Odzer. 168,755–9, Feb. 3.
Fabric or similar article, Textile. B. Rose. 169,949, June 30.
Fabric or similar article, Textile. B. Rose. 170,479, Sept. 22.
Fabric or similar article, Textile. O. F. Scholle. 169,915, June 23.
Fabric or the like for grills of television and radio cabinets, Textile. J. A. MacIntyre. 171,214, Dec. 29.
Fabric or the like, Narrow textile. S. L. Oppenheimer. 168,853, Feb. 17.
Fabric or the like, Plastic. R. C. Lewis. 170,469, Sept. 22.
Fabric or the like, Textile. R. Girz. 169,136, Mar. 31.
Fabric or the like, Textile. E. Wilkes and B. Board. 169,298, Apr. 7.
Fabric, Shaped textile. H. M. Goldman. 169,137, Mar. 31.
Fabric, Shaped textile. H. M. Goldman. 169,252, Apr. 7.
Fabric, Shaped textile. M. M. Schimmel. 169,992, July 7.
Fabric, Shaped textile. M. M. Schimmel. 170,068, July 21.
Fabric, Textile. L. Bluhm. 169,838, June 16.
Fabric, Textile. L. Bluhm. 170,043–4, July 21.
Fabric, Textile. E. M. Molenaor. 169,860, June 16.
Fabric, Textile. S. Weinberg. 169,879, June 16.
Fabric, Textile. E. White, IV. 168,774, Feb. 3.
Fabric, Woven plastic. V. Petracek. 169,821, June 9.
Fabric, Woven textile. S. Bogdanovich. 171,026, Dec. 8.
Fan, Combination directional blast and floor circulator. M. E. Lautner. 169,148, Mar. 31.
Fan, Portable. C. A. Lindberg and J. M. Repp. 169,007, Mar. 10.
Fastener, Adjustable. A. E. Carlile. 169,929, June 30.
Faucet, Mixing and dispensing. A. Turak. 170,953, Nov. 24.
Fence tester, Electric. R. M. Wilson. 170,103, July 28.
Figurine. E. G. Frenzel. 168,682, Jan. 27.
Figurine. E. G. Frenzel. 170,634–5, Oct. 20.
Figurine. T. B. Lee. 169,769, June 2.
Figurine. J. W. Lindner. 170,644, Oct. 20.
Figurine. B. P. Melaragno. 168,628, Jan. 13.
Figurine. B. P. Melaragno. 169,324, Apr. 14.
File box or similar article. N. W. Roop. 170,165, Aug. 11.
File, Nail. H. Troya. 170,035, July 14.
Filter and manifold for internal-combustion engines, Combined. H. R. Sobeck. 170,776, Nov. 3.
Finger pad or similar article. C. E. Jones. 170,260, Aug. 25.
Finger stall or similar article. C. E. Jones. 168,089, Jan. 27.
Firecracker cannon. D. P. Davis and D. C. Maddux. 170,153, Aug. 11.
Fire extinguisher. E. P. Van Sciver. 171,066, Dec. 8.
Fire extinguisher or similar article, Portable. H. H. Schroeder, Jr. 169,641, May 19.
Fireplace. G. Kosmak. 170,927, Nov. 24.
Fireplace and grill, Combination outdoor. E. D. Ringwall. 170,718, Oct. 27.
First-aid kit or similar article. W. C. Littlejohn. 169,542, May 12.
Fish bait, Artificial. G. A. Schmidt. 169,826, June 9.
Fish gaff and spreader or similar article. R. B. Locher. 169,009, Mar. 10.
Fish lure. J. A. Barnas. 169,118, Mar. 31.
Fish lure. W. W. Dawson. 169,303, Apr. 14.
Fish lure. T. A. Patrick. 169,326, Apr. 14.
Fish lure, Artificial. A. A. Concepcion. 169,028–9, Mar. 17.
Fishing lure. F. Kirkman. 169,816, June 9.
Fishing lure. A. E. Woolfe. 168,873–4, Feb. 17.
Fishing lure or similar article. R. A. Lord. 171,040, Dec. 8.
Fishing outrigger. P. D. Wells. 171,175, Dec. 22.
Fishing plug. E. W. Smith. 171,062, Dec. 8.
Fishing reel. H. G. Shakespeare and G. D. Harrington. 170,389, Sept. 8.
Fitting for tubular structures. W. Raylor. 170,238–40, Aug. 18.
Flame pad or similar article. V. P. Bourne-Vanneck. 169,799, June 9.
Flashlight. R. A. Gottlieb. 170,316, Sept. 1.
Flashlight. M. M. Rockmore. 169,393, Apr. 21.
Flashlight. M. Schnur. 170,481, Sept. 22.
Flashlight casing. R. B. Lambert. 169,081, July 7.
Flashlight or similar article. W. K. Overturf. 168,965, Mar. 3.
Flashlight, Spectacle type. R. P. Evans. 171,200, Dec. 29.
Flask. S. Frydlender. 168,932, Mar. 3.
Float, Inflatable. W. Z. Norman and J. Billig. 169,631, May 19.
Floor covering or similar article, Hard surface. G. W. Johnson. 170,535, Oct. 6.
Floor plate. A. B. Wilson. 170,733, Oct. 27.
Flow test machine for radiators. J. V. Grasso. 170,976, Dec. 1.
Flower holder and base therefor, Combined cemetery grave. L. E. Blazey. 168,823, Feb. 17.
Fly swatter blade. E. H. Trump. 171,239, Dec. 29.
Food product, Molded. L. Peters. 168,653, Jan. 20.
Food server and tongs therefor, Combined. L. Levine. 171,000, Dec. 1.
Food warmer and bun toaster, Combined. I. Sacks. 170,480, Sept. 22.
Footrest, Shower. S. R. Dunham. 170,853, Nov. 17.
Foot spraying device. I. P. Denyssen. 168,613, Jan. 13.
Fork and knife, Combined salad. J. A. St. Clair. 169,830, June 9.
Fork, Carving aid. J. Schoenfeld. 169,827, June 9.
Fork or similar article. J. B. Stier. 169,292, Apr. 7.
Fork or the like. M. A. Noyes. 170,474, Sept. 22.
Fork or the like, Carving. S. H. Bordelon. 169,412, Apr. 28.
Frame for a combination rubber and plastic mill. L. K. Bates. 170,253, Aug. 25.
Frame of an outdoor baby seat. C. C. Stack. 170,618, Oct. 13.
Frame, Picture. D. Wienke. 169,116, Mar. 24.
Freezer and refrigerator, Combination. G. P. Kennedy. 169,978, July 7.
Freezer, Refrigerator-type ice-cream. J. Teague. 171,174, Dec. 22.
Frier, Electric deep fat. S. J. Budlane and R. Dusek. 169,415, Apr. 28.
Frier, Electric deep fat. S. J. Budlane and R. Dusek. 169,575–6, May 19.
Front for a wall oven. A. G. Hupp. 168,687, Jan. 27.
Front for spectacle frames. M. Gerlich. 168,990–1, Mar. 10.
Front for spectacle frames. R. F. E. Stegeman. 169,995, July 7.
Front for sunglass frames or the like. J. Bloch. 169,471, May 5.
Front for sunglass frames or the like. J. Bloch. 170,962, Dec. 1.
Front plate for a circulating fireplace heater. A. P. Robinson. 170,242, Aug. 18.
Fryer, Deep fat. M. F. Orr. 169,283, Apr. 7.
Fryer, French. V. A. Petertil. 170,766, Nov. 3.
Fryer unit or the like. R. C. Sandin. 170,835, Nov. 10.
Furnace and automatic pouring unit, Combined holding. M. Tama. 169,951, June 30.
Furnace, Hot air. R. R. Dupler. 170,011, July 14.
Furnace, Warm air residential. K. R. Phillips. 169,783, June 2.
Galvanometer. F. T. Walsh and R. T. Heath. 170,514, Sept. 29.
Game apparatus. J. G. Frost. 169,744, June 2.
Game apparatus. D. Ippolito. 168,547, Jan. 6.
Game apparatus, Coin-controlled amusement. E. L. Dale. 169,360, Apr. 21.
Game apparatus, Spiral type rolling ball skill. R. N. Carver. 170,908, Nov. 24.
Game apparatus, Tethered ball. A. Katherton. 170,758, Nov. 3.
Game apparatus, Tiltable board. R. E. Hopkins. 169,672, May 26.
Game apparatus, Upright spiral rolling ball skill. J. J. Schigas. 170,948, Nov. 24.
Game board. E. H. Burckes. 170,079, July 28.
Game board. L. C. Gamble. 168,933, Mar. 3.
Gameboard. L. H. Hayman and A. M. Silveri. 170,922, Nov. 24.
Game board. A. J. Hennig and W. L. Waechter. 170,531, Oct. 6.
Game board. W. Holbrook. 169,040, Mar. 17.
Game board. S. Kerro. 168,574, Jan. 6.
Game board. M. A. Lee. 169,006, Mar. 10.
Game board. R. F. Miles. 170,541, Oct. 6.
Game board. N. F. Randall. 171,048, Dec. 8.
Game board. F. J. Rigney, Jr. 170,656, Oct. 20.
Game board. B. R. Schlegelmilch. 169,395, Apr. 21.
Game board. S. A. Streb. 168,868, Feb. 17.
Game board. F. M. Swan. 171,113, Dec. 15.
Game board. R. P. Thomas. 168,719, Jan. 27.
Game board. D. C. Waldecker. 171,069, Dec. 8.
Game board. D. D. Williams. 169,346, Apr. 14.
Game board. B. Wright. 169,023, Mar. 10.
Game board or similar article. H. Kesler. 169,979, July 7.
Game piece, Checkers. G. F. Wales. 169,400, Apr. 21.
Gaming device. W. Steig. 168,811, Feb. 10.
Garden marker. M. E. Ravenscroft. 169,633, May 19.
Garden row marker. E. B. Pegram. 170,936, Nov. 24.
Garment for traffic directors, Reflecting. J. De Grazia. 169,305, Apr. 14.
Garment or the like, Child's sleeping. R. T. Friedman. 168,887, Feb. 24.
Gear box cover and shaft support, Combination. P. W. Hainke. 170,019, July 14.
Generator unit, Ozone. W. A. Pardey. 170,713, Oct. 27.
Girdle. G. A. Barcley. 170,141–2, Aug. 11.
Girdle. M. Kahn. 170,694, Oct. 27.
Girdle. H. Kurzer. 169,378, Apr. 21.
Girdle. M. Laguzzi. 169,553, May 12.
Girdle. L. Melnick. 170,826, Nov. 10.
Girdle. H. Steiner. 168,866, Feb. 17.
Girdle and brassière, Combination. S. C. La Bue and H. P. Coogan. 169,510, May 5.

Girdle and brassière, Combination. S. C. La Bue and H. P. Coogan. 169,511, May 5.
Girdle, Panty. L. A. Rosner. 170,721, Oct. 27.
Glass. L. W. Stenger. 170,666, Oct. 20.
Glass, Drinking. E. J. Foster. 170,312, Sept. 1.
Glass, Drinking. J. W. Robbins. 170,944, Nov. 24.
Glass or the like, Drinking. M. H. Levi. 168,577, Jan. 6.
Glove. J. A. Higier. 171,205, Dec. 29.
Glove. P. Levene. 168,944, Mar. 3.
Glove. E. M. Reece. 168,708, Jan. 27.
Glove. L. B. Sebrell. 169,047, Mar. 17.
Glove, Driver's. L. V. Starek. 171,063, Dec. 8.
Goggles, Pair of. F. J. Corrigan. 168,988, Mar. 10.
Goggles, Pair of. R. L. Decot. 169,304, Apr. 14.
Goggles, Pair of. J. D. Hill. 168,936, Mar. 3.
Golf club, Practice. E. H. Williams. 169,880, June 16.
Golf putter head. M. Paynor. 168,855, Feb. 17.
Grating for decks or the like. E. C. Liskey, Jr. 168,945–6, Mar. 3.
Gravy boat or the like. M. Rosen. 170,167, Aug. 11.
Gravy boat or the like. M. Rosen. 171,050, Dec. 8.
Grill and waffle baker or the like, Combination. J. N. Polivka. 168,762, Feb. 3.
Grille, Air register. F. C. Kiesner. 169,374, Apr. 21.
Grille for an air conditioner panel, Insert. A. G. Trometer. 171,238, Dec. 29.
Grinder, Garbage. R. C. Koslo. 169,626, May 19.
Grinder, Portable. W. R. Maclay. 168,901, Feb. 24.
Guitar. C. L. Fender. 169,062, Mar. 24.
Gunrack, Wall. H. E. Monroe. 168,850, Feb. 17.
Hairbrush. K. C. Fay. 169,131, Mar. 31.
Hairbrush or similar article. A. B. Snyder. 168,913–17, Feb. 24.
Hairbrush or the like. L. A. Carpenter. 168,673, Jan. 27.
Hair curler and comb, Combined. T. H. Bimrose. 169,470, May 5.
Haircutting guide. A. Sekerdy. 169,108, Mar. 24.
Hairpin. F. G. Hall. 170,053, July 21.
Handbag. S. J. Aberman. 170,490–1, Sept. 29.
Handbag. S. J. Aberman. 170,958–9, Dec. 1.
Handbag. S. J. Aberman. 171,019, Dec. 8.
Handbag. S. J. Aberman. 171,072, Dec. 15.
Handbag. R. Goldberg. 168,891, Feb. 24.
Handbag. L. V. Hagewood. 169,586–7, May 19.
Handbag. W. H. Hardy. 168,543, Jan. 6.
Handbag. W. H. Hardy. 169,609, May 26.
Handbag. W. H. Hardy. 169,746, June 2.
Handbag. W. H. Hardy. 170,118, Aug. 4.
Handbag. W. H. Hardy. 170,979–80, Dec. 1.
Handbag. F. X. Hiltenbrand. 170,318, Sept. 1.
Handbag. J. J. Hommer. 170,532, Oct. 6.
Handbag. S. Hyman. 170,199, Aug. 18.
Handbag. L. Kaufman. 171,092, Dec. 15
Handbag. E. Neglia. 170,332, Sept. 1.
Handbag. T. Rosenberg and H. T. Silverman. 168,968–9, Mar. 3.
Handbag. T. Rosenberg and H. T. Silverman. 170,769, Nov. 3.
Handbag. O. Wolf. 170,346, Sept. 1.
Handbag, Child's. B. David. 170,402, Sept. 15.
Handbag, Lady's. P. Brown. 169,655, May 26.
Handbag, Lady's. A. J. Waldman. 168,872, Feb. 17.
Handbag or similar article. I. Pichel. 170,477, Sept. 22.
Handbag or similar article. O. Wolf. 169,923–4, June 23.
Handbag with removable cover. G. Arden. 169,025, Mar. 17.
Handwheel or the like. R. F. Daehler. 169,424–5, Apr. 28.
Handkerchief box and tie rack, Combined. P. W. Robinson. 169,563, May 12.
Handkerchief or the like. M. Sauer and H. Schmidt. 169,702–13, May 26.
Handlebar grip and bell for bicycles, Combination. H. Golden. 170,457, Sept. 22.
Handle, Battery. R. M. Raney. 169,518, May 5.
Handle, Drawer pull. J. E. Fellowes. 169,538, May 12.
Handle for a filing cabinet. A. J. Kuhn. 169,508, May 5.
Handle for a safety razor. T. Lamb. 169,147, Mar. 31.
Handle for a waffle baker or the like. J. N. Polivka. 168,760, Feb. 3.
Handle for hand stamps. F. O'Hal. 169,167, Mar. 31.
Handle for portable picture screens or the like. F. J. Prokop. 170,236, Aug. 18.
Handle for tools, Adjustable. F. De Fazi. 170,793, Nov. 10.
Handle for waffle bakers and the like. J. N. Polivka. 168,761, Feb. 3.
Handle, Implement. J. O. Melton. 169,629, May 19.
Handle, Lawn mower. H. C. Knarzer. 169,319, Apr. 14.
Handle, Mowing machine. C. W. Butler. 171,079, Dec. 15.
Handle, Toaster. P. E. Willman. 169,232, Mar. 31.
Handle, Umbrella. D. Miller. 168,751–2, Feb. 3.
Hanger. W. Lincoln and J. De Muth. 168,846, Feb. 17.
Hanger and ice scraper for automobiles, Combined coat. E. Derlein. 168,831, Feb. 17.
Hanger for clotheslines. R. L. Hiser. 168,544, Jan. 6.
Hanger for X-ray tubes, Ceiling mounted. R. J. Stava. 170,483, Sept. 22.
Hanger, Garment. H. Coon. 169,934, June 30.
Hanger, Hat and coat. S. M. Sager. 169,991, July 7.
Hanger or the like, Clothes. A. I. Israelson. 169,442, Apr. 28.
Hat. T. S. Geisel. 169,971, July 7.
Hat. M. Gross. 170,355, Sept. 8.
Hat. V. T. Hoeflich. 169,486, May 5.
Hat. S. Katzin. 169,624, May 19.
Hat. P. M. Maxwell and K. M. Wiach. 170,061, July 21.
Hat. M. M. Tapley. 171,173, Dec. 22.
Hat. M. Tuteur. 169,831, June 9.
Hat. S. Weinstein. 170,251, Aug. 18.
Hat. E. Wittcoff. 168,920, Feb. 24.
Hat and puppet, Combined. F. Glencott. 168,648, Jan. 20.
Hat, Convertible. M. Tuteur. 169,523, May 5.
Headboard or similar article, Bed. C. E. May. 168,800, Feb. 10.
Head covering, Lady's. I. G. Sibley. 170,951, Nov. 24.
Head of an aerosol valve. R. K. Boyer and H. W. Krohn, Jr. 170,743, Nov. 3.
Head rail channel section. P. Huddles. 169,441, Apr. 28.
Headrest. J. T. Armbruster. 168,725, Feb. 3.
Headstone. F. L. Cantrall. 170,110, Aug. 4.
Head support for use in bathtubs, Child's. E. Harris. 170,860, Nov. 17.
Heater. E. A. Farr. 169,840, June 16.
Heater, Brooder. W. Rusnak and W. G. Stoll. 168,860, Feb. 17.
Heater, Brooder. W. Rusnak and W. G. Stoll. 169,701, May 26.
Heater, Brooder. A. S. Friedman. 168,738, Feb. 3.
Heater, Electric. A. P. Stirbis and A. R. Patrick, Jr. 169,396, Apr. 21.
Heater, Portable. V. C. Hines and A. B. Callahan, Jr. 170,804, Nov. 10.
Heater, Portable hot-air. C. R. Burgess. 169,800, June 9.
Heater, Space. W. N. Nelson. 168,754, Feb. 3.
Heel for a cast, Walking. F. O. Wright. 169,646–7, May 19.
Heel, Shoe. W. J. Walsh. 169,716, May 26.
Helicopter. S. Apostolescu. 169,720, June 2.
Helicopter. C. E. Jay. 171,133, Dec. 22.
Helicopter. D. K. Jovanovich. 168,794, Feb. 10.
Helmet. L. H. Pfohl. 170,831, Nov. 10.
Helmet or the like. N. Arant. 168,527, Jan. 6.
Hexagon capped nut. O. Gries. 170,408, Sept. 15.
Hinge. E. Hümmerli. 170,529, Oct. 6.
Hinge. R. A. Jorgensen. 169,813, June 9.
Hinge. G. Stahl. 170,725, Oct. 27.
Hobbyhorse. C. A. Batten. 170,108, Aug. 4.
Hobbyhorse. M. R. Hutchison. 169,976, July 7.
Hobbyhorse. B. L. Murray, R. A. Tefft, and L. L. Hubby 168,801, Feb. 10.
Hobbyhorse. R. Wenkstern. 170,294, Aug. 25.
Holder and cutter, Combined roll paper. E. Waltz. 171,070, Dec. 8.
Holder and handle for electric soldering irons and the like, Combined. A. Schoenwald. 170,892, Nov. 17.
Holder, Bottle. J. A. Peterson. 171,008, Dec. 1.
Holder, Calendar-type lipstick. J. A. Welebny. 170,252, Aug. 18.
Holder, Card. A. E. Rittenhouse. 168,712, Jan. 27.
Holder, Cigarette. J. Francken. 170,257, Aug. 25.
Holder, Cigarette. C. F. Herdecker. 169,483, May 5.
Holder, Cigarette. G. B. Holge. 170,320, Sept. 1.
Holder, Cigarette. S. Wolf. 170,845, Nov. 10.
Holder, Clip-on lapel flower. E. Steiner. 168,770, Feb. 3.
Holder, Combination lamp, clock and dual plant. B. Rubin. 168,657, Jan. 20.
Holder, Combination lamp, clock and plant. B. Rubin. 168,656, Jan. 20.
Holder, Combined cigarette and golf tee. W. E. Freeman. 168,930, Mar. 3.
Holder, Combined garbage and trash can. S. W. Kane. 170,695, Oct. 27.
Holder, Condiment. W. D. Scalf. 168,863, Feb. 17.
Holder Copybook. H. J. Hawkinson. 169,903, June 23.
Holder for a hand of playing cards. D. E. Whiting. 169,525, May 5.
Holder for bathroom accessories, Sanitary. R. J. Laciura. 168,746, Feb. 3.
Holder for beverage glasses. N. Rubin. 168,713, Jan. 27.
Holder for cosmetic containers or similar article. F. M. Breen. 169,892, June 23.
Holder for fire extinguisher grenade. C. C. Irwin. 170,533, Oct. 6.
Holder for sewing accessories. T. V. Tierney and S. Gaccione. 170,668, Oct. 20.
Holder, Lingerie. H. L. Button. 169,928, June 30.
Holder, Literature. M. B. Hunter. 168,686, Jan. 27.
Holder or similar article, Cutlery. N. Goldman. 169,433, Apr. 28.
Holder or similar article, Key. M. B. Blish. 170,961, Dec. 1.
Holder or similar article, Newspaper and periodical. S. K. Wolff. 170,901–2, Nov. 17.
Holder or similar article, Paper cup. H. L. Bennett. 169,654, May 26.
Holder, Scouring pad. S. Ziskind. 170,438, Sept. 15.
Holder, Spool. C. M. Erickson. 168,646, Jan. 20.
Holder, Tea bag. J. Roman. 169,394, Apr. 21.
Holder, Tie. C. W. Grzesiowski. 168,542, Jan. 6.
Holder, Wall comb. W. F. Pfarrer. 169,632, May 19.
Hole punch or similar article. H. W. Marano. 169,078, Mar. 24.
Hook for a trouser waistband. H. H. Wood. 170,787, Nov. 3.
Hook, Wall. L. Guild. 170,458, Sept. 22.

Hoop-rolling stick or similar article. T. M. Chrisco. 170,677, Oct. 27.
Horn, Loud-speaker. L. S. Hoodwin. 171,206, Dec. 29.
Horn ring extension. R. J. Morgan. 171,044, Dec. 8.
Housing for a microfilm reader or the like. C. L. Forrester. 169,369, Apr. 21.
Housing for organic waste treatment apparatus. M. W. Edwards. 171,199, Dec. 29.
Housing for scientific instruments. T. H. Petterson. 170,065, July 21.
Housing, Measuring tape. W. F. Dart. 169,658, May 26.
Hubcap. R. E. Dieterich. 170,114, Aug. 4.
Hubcap, Wheel trim. J. K. Gaylord. 170,972, Dec. 1.
Humidifier, Tobacco showcase. D. Patriarca. 171,102, Dec. 15.
Ice chopper and scraper for windshields and the like, Combination. A. K. Hauser. 170,460, Sept. 22.
Ice-cream cone or the like. A. A. G. Marcantonio. 168,748, Feb. 3.
Iced cake. K. A. Patrick. 168,587–8, Jan. 6.
Iced cake. K. A. Patrick. 169,385–6, Apr. 21.
Incinerator. E. W. Lyons. 170,361, Sept. 8.
Inkwell. A. M. Morris and F. L. Schaeffer. 170,828, Nov. 10.
Instrument case or similar article. J. Labe, III. 170,418, Sept. 15.
Instrument for locating holes for door locks. A. Schoepe. 170,836, Nov. 10.
Instrument, Geometrical. G. Langer. 168,694, Jan. 27.
Instrument panel. M. Steir and M. M. Hauben. 169,112, Mar. 24.
Intercommunicating system master station unit. J. D. Floria. 168,614, Jan. 13.
Iron, Electric hand. M. Victor. 169,296, Apr. 7.
Jacket. M. Tait. 171,235, Dec. 29.
Jars and rack therefor, Combined. E. Troha. 170,615, Oct. 13.
Jaw prop or the like. M. Drofenigg. 169,059, Mar. 24.
Jewelry finding or similar article. A. Chisholm. 169,126, Mar. 31.
Jewelry pendant or similar article. S. Stonberg. 170,667, Oct. 20.
Jumper, Baby. B. F. Hamilton. 170,259, Aug. 25.
Kettle and stand, Combined electric. L. G. Hawkins. 169,747, June 2.
Key chain and pocket flashlight or similar article, Combination. S. Schwartz. 169,109, Mar. 24.
Kit for physicians' and surgeons' supplies or similar article. E. J. Palczewski. 170,651, Oct. 20.
Kite, Flying disk. A. Spanvill. 169,291, Apr. 7.
Knife. W. D. Wallace. 169,797, June 2.
Knife and scissors sharpener. A. J. Folli. 169,539, May 12.
Knife, Fish and game cleaning. M. W. Banowetz, Sr. 168,644, Jan. 20.
Knife, Meat chopper. C. R. Williams. 169,467, Apr. 28.
Knife or similar article. D. A. Wallance. 170,293, Aug. 25.
Knife or the like. M. A. Noyes. 170,334, Sept. 1.
Knife or the like, Carving. S. H. Bordelon. 169,413, Apr. 28.
Knife sharpener. E. E. Case. 169,530, May 12.
Knife sharpener. A. E. and I. W. Johnson. 170,534, Oct. 6.
Knife sharpener. J. Palma, Jr., and C. A. Leubner. 170,935, Nov. 24.
Knocker and pull, Combination door. G. Stahl. 170,724, Oct. 27.
Laboratory specimen press. G. W. Graves. 168,892, Feb. 24.
Lace. H. Farnsworth. 169,537, May 12.
Lace. H. Giebel. 169,251, Apr. 7.
Lace or similar article. B. Edson. 169,536, May 12.
Lamp. C. R. Cassell. 169,965, July 7.
Lamp. I. A. Gross. 169,660–4, May 26.
Lamp. A. S. Hess. 171,204, Dec. 29.
Lamp. A. Stiller. 171,016, Dec. 1.
Lamp. M. E. Wentzell. 169,020, Mar. 10.
Lamp. R. A. Woodin. 168,721, Jan. 27.
Lamp and book support, Combined floor. H. Swede. 171,172, Dec. 22.
Lamp and container or the like, Combined. J. B. Musacchia and R. Nicyper. 169,985, July 7.
Lamp and planter, Combined. J. F. Clark and L. F. Ellis. 168,612, Jan. 13.
Lamp and planter or similar article, Combination. F. C. Levy. 170,128, Aug. 4.
Lamp base. M. Axelrod. 171,179, Dec. 29.
Lamp base. J. Roberts. 169,790, June 2.
Lamp base. W. S. Sawle. 168,862, Feb. 17.
Lamp base. E. Silvestri. 170,553, Oct. 6.
Lamp base. E. L. Wheat. 169,465, Apr. 28.
Lamp base, Electric. D. Borowitz. 168,672, Jan. 27.
Lamp base, Electric. D. Borowitz. 168,778–80, Feb. 10.
Lamp base, Electric. D. Borowitz. 168,826–7, Feb. 17.
Lamp base, Electric. D. Borowitz. 169,890, June 23.
Lamp base, Electric. D. Borowitz. 170,045, July 21.
Lamp base, Electric. D. Borowitz. 170,075, July 28.
Lamp, Bed. H. Witt. 169,998, July 7.
Lamp, Candle. W. F. Mears. 171,041, Dec. 8.
Lamp, Cradle telephone. R. Foss. 170,016, July 14.
Lamp, Decorative. E. C. Fasson. 168,537, Jan. 6.
Lamp, Electric. D. Borowitz. 168,777, Feb. 10.
Lamp fixture. A. Anthony. 169,798, June 9.
Lamp, Floor. W. Rosenthal. 170,774, Nov. 3.
Lamp for mounting atop an emergency vehicle, Warning. J. A. McDermott. 170,328, Sept. 1.
Lamp, Infrared ray. B. K. Kaveckas. 170,925, Nov. 24.
Lamp lens housing, Automobile. H. T. Bannister. 170,674, Oct. 27.
Lamp lens housing, Automobile. M. J. O'Leary. 169,092, Mar. 24.
Lamp, Music box nursery. R. Goldman and R. R. Nemser. 169,974–5, July 7.
Lamp pendant. I. Levin. 170,360, Sept. 8.
Lamp, Pinup. A. Epstein. 169,364, Apr. 21.
Lamp, Pin-up. R. L. Springer. 168,718, Jan. 27.
Lamp, Planter. E. E. Mecus. 171,042, Dec. 8.
Lamppost and mailbox support, Combined. J. H. Hagen. 169,809, June 9.
Lamppost and sign, Combined. H. A. Daum. 170,152, Aug. 11.
Lamp, Reading and examination. H. F. Borin. 169,729, June 2.
Lamp stand and table, Combined adjustable. M. R. Yarger. 170,616, Oct. 13.
Lamp, Table. A. Arch. 170,181, Aug. 18.
Lamp, Table. A. Arch. 171,021, Dec. 8.
Lamp, Table. H. C. Lindemann. 170,323, Sept. 1.
Lamp, Table. W. Rosenthal. 170,771–3, Nov. 3.
Lamp, Table. W. Rosenthal. 171,051, Dec. 8.
Lamp, Table. J. Vigon. 170,841, Nov. 10.
Lamp, Therapeutic. N. E. Goodrich. 169,312, Apr. 14.
Latch, Bar. G. Stahl. 170,726, Oct. 27.
Laundry machine. M. H. Boldt. 169,351, Apr. 21.
Lavatory. J. M. Hendrickson. 170,530, Oct. 6.
Lavatory. W. G. Young. 169,348, Apr. 14.
Lavatory faucet shell. S. A. Young. 169,405, Apr. 21.
Lavatory, Portable. I. Levin. 170,159, Aug. 11.
Lawn mower. H. L. Heineke. 168,683, Jan. 27.
Lawn mower head, Power. P. W. Hainke. 168,836, Feb. 17.
Lawn sprinkler. M. J. Moran. 168,651, Jan. 20.
Lawn sprinkler or the like. H. W. Vogl. 169,873, June 16.
Lawn trimmer, Electric. J. and H. McMillan. 168,749, Feb. 3.
Lazy Susan. D. Meepos. 170,763, Nov. 3.
Lazy Susan or similar article. R. L. Gruen. 170,917, Nov. 24.
Lazy Susan with sliding trays. R. B. Karoff. 169,143, Mar. 31.
Letter opener and pencil, Combined. P. R. Horwitch. 170,410, Sept. 15.
Letter opener or similar article. K. Domberger and S. Rael. 171,197, Dec. 29.
License plate attachment. N. W. Roper and W. O. Dodd, Jr. 168,638, Jan. 13.
Lid, Cooking pan. R. J. Dietrich. 169,739, June 2.
Light and signal for automotive vehicles, Combined. J. J. Manning. 169,269, Apr. 7.
Light and turn signal for vehicles, Miniature traffic. H. Reingold. 169,221, Mar. 31.
Light bar and camera mount, Combined. H. L. Selden. 170,096, July 28.
Light or similar article, Clamp. P. G. Stone. 169,293, Apr. 7.
Light or similar article, Warning. A. E. Martin and M. D. Lorimor. 171,216, Dec. 29.
Light, Purse. A. Ross. 170,139, Aug. 4.
Lighter. K. M. Van Norman. 170,250, Aug. 18.
Lighter, Cigarette. A. F. Fuknl. 169,135, Mar. 31.
Lighter fuel filler. W. H. Gey. 169,937, June 30.
Lighter or similar article, Cigar. F. Kaupmann. 170,536, Oct. 6.
Lighter or similar article, Cigar. W. I. Nissen. 168,585, Jan. 6.
Lighter, Table. C. F. Herdecker. 169,067, Mar. 24.
Lighter, Table. S. F. Speers. 168,716–17, Jan. 27.
Lighter, Table. S. F. Speers. 170,838, Nov. 10.
Lighting fixture. G. E. Glatthar and A. W. Matteson. 169,972, July 7.
Lighting fixture. G. E. Glatthar and A. W. Matteson. 170,084, July 28.
Lighting fixture. B. C. Pretzer. 168,654, Jan. 20.
Lighting fixture, Fluorescent. J. H. Spaulding. 168,974, Mar. 3.
Lighting fixture, Fluorescent. J. K. Ulrick. 168,812, Feb. 10.
Lighting fixture, Fluorescent tube. G. Ainsworth. 169,999, July 14.
Lighting fixture or similar article. J. Morgan. 171,164, Dec. 22.
Lighting fixture or similar article, Wall. R. S. Gregg. 169,063, Mar. 24.
Lighting fixture or the like. A. Vollrath. 169,463, Apr. 28.
Lighting fixture, Surgical. E. H. Greppin. 171,034, Dec. 8.
Lighting fixture, Wall. D. Borowitz. 168,824–5, Feb. 17.
Lighting standard, Outdoor. A. Anthony. 169,408, Apr. 28.
Lightning demonstrator. S. D. Kretzer. 170,058, July 21.
Link. L. Werthelmer and R. J. Van Craeynest. 168,815, Feb. 10.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 168,594, Jan. 6.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 168,764–5, Feb. 3.

Link chain for a bracelet or the like, Expansible. E. Rodriguez. 170,478, Sept. 22.
Link chain for a necklace or the like. A. Katz. 170,586, Oct. 13.
Lipstick case, Jeweled. B. Schwartz. 169,714, May 26.
Lipstick holder and vanity case or similar article. Combined. F. M. Breen. 170,351, Sept. 8.
List finder. W. Lang. 170,641, Oct. 20.
Lock, Cabinet. S. Wise. 170,038, July 14.
Loud-speaker horn, Reentrant and direct diffraction. L. S. Hoodwin. 169,004, June 23.
Louver board. P. P. Heinley. 169,811, June 9.
Louver panel. E. Walthall. 170,434, Sept. 15.
Luggage, Article of. J. Brier, E. M. Belber, M. Kolson, and J. H. Walter. 170,397, Sept. 15.
Luminaire. B. D. Levaur. 168,943, Mar. 3.
Luminaire. R. W. Loehr. 170,877, Nov. 17.
Lunch box and vacuum bottle unit, Combined. P. Hellman. 169,812, June 9.
Machine for taking fingerprints. T. H. Krueger. 170,591, Oct. 13.
Magnifier and illuminator for viewing printed material and the like. E. T. Igler and R. H. Wadsworth. 168,546, Jan. 6.
Magnifier and tweezers, Combined. F. Robitschek. 170,945, Nov. 24.
Mailbox. H. A. Daum. 168,925, Mar. 3.
Mailbox. I. A. Levine. 170,875–6, Nov. 17.
Mailbox. A. W. Lindberg, Jr. 169,075–6, Mar. 24.
Mailbox. A. W. Lindberg, Jr. 170,642–3, Oct. 20.
Mailbox or similar article. N. W. Roop. 170,166, Aug. 11.
Manicure implement. R. D. Simmons. 170,662, Oct. 20.
Manifold for internal-combustion engines, Intake. M. H. Ellis. 169,306, Apr. 14.
Mannequin. M. F. Wells. 169,464, Apr. 28.
Marker for mailboxes, Directional. D. M. Breh and R. A. Servatius. 169,730, June 2.
Mask for disguise or the like. R. M. Ray. 171,227–30, Dec. 29.
Massaging machine. L. E. Holland. 169,751, June 2.
Mat or similar article, Place. K. C. Hamilton. 169,666–7, May 26.
Mat, Place. K. C. Hamilton. 171,088, Dec. 15.
Medal. L. G. Fraser. 169,134, Mar. 31.
Medal or similar article. T. H. Jones. 169,443–5, Apr. 28.
Medallion. H. Randall. 170,942, Nov. 24.
Medallion or similar article. T. C. O'Hare. 170,602, Oct. 13.
Megaphone, Electric. E. B. Livinson. 168,578, Jan. 6.
Memo pad and pencil holder, Combined. E. B. Lee. 170,504, Sept. 29.
Merchandise envelope. M. Bookler. 170,254, Aug. 25.
Merry-go-round for children. M. G. McKee. 170,649, Oct. 20.
Metal sheet. J. H. Wright. 169,718, May 26.
Meter, Light. R. B. Kerr and F. Gianascol. 169,766, June 2.
Meter, Twin parking. R. D. Murphy. 168,699, Jan. 27.
Meter, Volt-ohm. L. M. Balter. 168,922, Mar. 3.
Microphone. B. E. Schell, Jr. 171,055, Dec. 8.
Microphone. R. L. Whyte. 168,665, Jan. 20.
Microphone, Hand. J. F. Dewsall. 169,426, Apr. 28.
Microscope illuminator. M. Macaluso, Jr. 170,931, Nov. 24.
Milk can carrier. D. M. Mestmaker. 170,424, Sept. 15.
Mill, Mobile grinding. H. S. Shannon. 169,048, Mar. 17.
Milling machine. C. Tree. 170,560, Oct. 6.
Milling machine or similar article, Vertical. I. O. Johansson. 170,864, Nov. 17.
Mirror and photo night lamp, Combination. R. C. Walker. 169,231, Mar. 31.
Mirror, Rearview. T. E. Brown. 170,626, Oct. 20.
Mirror, Rearview. J. Fischer. 169,936, June 30.
Mirror, Rearview. J. Fischer. 170,683–5, Oct. 27.
Mirror unit, Sun visor. A. Pavenick. 168,707, Jan. 27.
Mitt, Signaling. A. F. Aunspaugh. 168,726, Feb. 3.
Mixer, Drink. A. W. Seyfried and P. W. Lahr. 169,829, June 9.
Mixer, Food and beverage hand. F. Collura. 170,307, Sept. 1.
Mixer, Hand-operated food. C. E. Elliott. 170,404, Sept. 15.
Mixer, Household food. H. H. Schott. 169,791, June 2.
Mixer or similar article, Food. W. E. Moore. 170,130, Aug. 4.
Mixer unit, Portable food. J. Morgan. 170,884, Nov. 17.
Moccasin. T. J. Weiss. 170,036, July 14.
Moisture tester. R. R. Moore. 169,325, Apr. 14.
Mold, Baking. M. MacGregor. 168,847, Feb. 17.
Molding strip. H. L. Roessler. 170,286, Aug. 25.
Money clip and stamp holder, Combined. E. Schildkraut. 169,825, June 9.
Motor. J. Bernard. 168,821, Feb. 17.
Motor, blower, and cover for a vacuum cleaner housing, Combined. J. J. Cinelli. 170,401, Sept. 15.
Motor, Electric. H. E. Lund. 170,709, Oct. 27.
Motor, Gearhead. A. G. Horvath, W. H. Kuner, and R. L. Wolfe. 169,487–8, May 5.
Motor, Right angle gearhead. A. G. Horvath, W. H. Kuner, and R. L. Wolfe. 169,489, May 5.
Motor-transmission unit. D. M. Schwartz. 171,013, Dec. 1.
Mower, Power. A. Sarlo. 168,767, Feb. 3.
Muddler. B. D. Gilbert. 169,477, May 5.
Mug, Drinking. E. W. Kover. 169,377, Apr. 21.
Music box. J. Petry. 169,095, Mar. 24.
Name plate. S. Schneider. 168,864, Feb. 17.
Napkin or similar article. R. J. Vernon. 170,071, July 21.
Necklace or similar article. M. Boucher. 169,653, May 26.
Necklace or similar article. M. Boucher. 170,847, Nov. 17.
Necklace or similar article. M. Chernow. 170,911, Nov. 24.
Necklace or similar article. R. Semensohn. 169,828, June 9.
Necklace or similar article. R. Semensohn. 170,837, Nov. 10.
Necklace or similar article. R. Semensohn. 171,233, Dec. 29.
Necklace or the like. A. Katz. 168,551–62, Jan. 6.
Necklace or the like. A. Katz. 169,593, May 19.
Necklace or the like. A. Katz. 169,595, May 19.
Necklace or the like. A. Katz. 169,598, May 19.
Necklace or the like. A. Katz. 169,600, May 19.
Necklace or the like. A. Katz. 169,676–7, May 26.
Necklace or the like. A. Katz. 169,680, May 26.
Necklace or the like. A. Katz. 169,761–4, June 2.
Necklace or the like. A. Katz. 169,814, June 9.
Necklace or the like. A. Katz. 169,849–50, June 16.
Necklace or the like. A. Katz. 169,852–4, June 16.
Necklace or the like. A. Katz. 170,582, Oct. 13.
Necklace or the like. A. Katz. 170,584, Oct. 13.
Necklace or the like. A. Katz. 170,588–9, Oct. 13.
Necklace or the like. A. Katz. 170,696–7, Oct. 27.
Necklace or the like. A. Katz. 170,699, Oct. 27.
Necklace or the like. A. Katz. 170,701, Oct. 27.
Necklace or the like. A. Katz. 170,703, Oct. 27.
Necklace or the like. A. Katz. 170,982–7, Dec. 1.
Necklace or the like. A. Katz. 170,989, Dec. 1.
Necklace or the like. A. Katz. 170,994, Dec. 1.
Necklace or the like. A. Katz. 170,996, Dec. 1.
Necklace or the like. A. Katz. 170,998, Dec. 1.
Necklace or the like. A. Katz. 171,155, Dec. 22.
Necklace or the like. A. Katz. 171,157, Dec. 22.
Necklace or the like. A. Philippe. 168,592, Jan. 6.
Necklace or the like. A. Philippe. 168,635, Jan. 13.
Necklace or the like. A. Philippe. 169,174–7, Mar. 31.
Necklace or the like. A. Philippe. 169,180, Mar. 31.
Necklace or the like. A. Philippe. 169,203–4, Mar. 31.
Necklace or the like. A. Philippe. 169,213–16, Mar. 31.
Necklace or the like. A. Philippe. 169,692–3, May 26.
Necklace or the like. A. Philippe. 170,211, Aug. 18.
Necklace or the like. A. Philippe. 170,215, Aug. 18.
Necklace or the like. A. Philippe. 170,368–9, Sept. 8.
Necklace or the like. A. Philippe. 170,375, Sept. 8.
Necklace or the like. A. Philippe. 170,377–9, Sept. 8.
Necklace or the like. A. Philippe. 170,607, Oct. 13.
Necklace or the like. A. Philippe. 170,609, Oct. 13.
Necktie. L. D. Whitman. 170,487, Sept. 22.
Necktie, Preformed. P. F. Spaniol. 170,246, Aug. 18.
Nozzle for dispensing fluids. G. M. Schutter and R. G. Young, Jr. 169,289, Apr. 7.
Nozzle unit, Fire hose. P. Caird. 170,447, Sept. 22.
Nutcracker. H. E. Cox. 169,656, May 26.
Nutcracker. J. C. Rumsey. 170,891, Nov. 17.
Open end housing for slide type match covers. H. C. Burton. 169,895, June 23.
Opener, Can. W. E. Gundelfinger. 168,994, Mar. 10.
Opener, Can. M. J. La Forte. 168,844, Feb. 17.
Opener, Can. G. A. Lehmann and W. E. Gundelfinger. 168,942, Mar. 3.
Opener, Combined can and bottle. J. H. Lanning. 170,537, Oct. 6.
Opener or the like, Can. W. W. Edlund. 169,967, July 7.
Ornament and flower holder, Combined mantel. W. E. and P. L. Young. 169,833, June 9.
Ornament, Automobile. W. H. and H. Hawkins. 170,317, Sept. 1.
Ornament, Automobile hood. F. A. Helm. 169,591, May 19.
Ornament, Christmas. B. P. Melaragno. 168,961, Mar. 3.
Ornament for an automobile body. H. W. Pilkey. 168,966, Mar. 3.
Ornament for candlelights. M. Riesman. 170,717, Oct. 27.
Ornament, Illuminable Christmas. J. Petry. 170,940, Nov. 24.
Ornament, Leg. B. E. Arnold. 168,982, Mar. 10.
Ornament or similar article, Ear. L. Bell. 169,726–7, June 2.
Ornament or similar article, Ear. L. Bell. 170,349, Sept. 8.
Ornament or similar article, Ear. L. Bell. 170,442, Sept. 22.
Ornament or similar article for a motor vehicle, Hood. J. Sneed. 169,290, Apr. 7.
Ornament or similar article, Handbag. L. J. Coblentz. 168,734, Feb. 3.
Ornament or the like, Lapel. R. E. Rearick. 168,806, Feb. 10.
Ornament, Rotatable Christmas. W. A. Heinzel. 170,461, Sept. 22.
Ornament, Watch chain. E. R. Badillo. 169,925, June 30.
Ottoman and back rest unit, Convertible. F. Torsak. 170,100, July 28.
Ottoman or similar article, Convertible. P. F. W. Jörgensen. 170,122, Aug. 4.
Oven for coated sheets or the like, Stock drying. J. A. Black. 168,670, Jan. 27.

Overshoe or the like. J. S. Kamborian. 169,000, Mar. 10.
Overshoe, Woman's. B. A. Hausfeld and E. M. and J. J. Marx. 170,054, July 21.
Packages and container therefor, Combined tetrahedronal shaped. H. S. V. Järund. 168,842, Feb. 17.
Packing member for fragile articles. P. M. Williams. 169,468, Apr. 28.
Packing member for fragile articles. P. M. Williams. 169,881–3, June 16.
Pail, Insulated. P. Cabot and H. M. Piker. 170,302, Sept. 1.
Pair of eyeglasses or similar article. E. Schiaparelli. 171,056, Dec. 8.
Pair of goggles. H. G. Tietje. 170,729–30, Oct. 27.
Pair of spectacles. G. Courtney. 171,030, Dec. 8.
Pair of spectacles. J. Gaspari. 170,314, Sept. 1.
Pair of spectacles. J. R. Spencer. 170,033, July 14.
Pair of spectacles. A. R. Suma, Sr. 171,171, Dec. 22.
Pair of spectacles or similar article. E. Rosen. 168,911, Feb. 24.
Pajamas, Child's. S. A. Marrow. 168,698, Jan. 27.
Panel for a laundry appliance or the like. W. W. Hoyle. 170,089, July 28.
Panel for laundry apparatus. W. H. Welcher and S. G. Mundt. 169,953, June 30.
Panty. T. Bond. 169,052, Mar. 24.
Panty or similar article. E. Kudelka. 171,213, Dec. 29.
Paper cutter case. R. C. O'Brien and V. Schreckengost. 168,904, Feb. 24.
Paper or similar article, Wrapping. W. L. Wolf. 170,786, Nov. 3.
Paper pompom, Hand carried. H. E. Barry. 169,026, Mar. 17.
Paper punch or similar article. H. W. Marano. 169,080, Mar. 24.
Paper towel and wax paper dispenser. M. S. Ziskin and R. B. Billig. 170,673, Oct. 20.
Pen, Ballpoint. F. Ferber. 169,307, Apr. 14.
Pen, Ball-point. C. K. Lovejoy. 170,539, Oct. 6.
Pen, Ball-point. C. K. Lovejoy. 171,093, Dec. 15.
Pen, Fountain. D. Kahn. 169,446, Apr. 28.
Pen or similar article. D. L. Brudny. 168,531, Jan. 6.
Pencil or similar article. G. L. Beckstrom. 170,675, Oct. 27.
Pencil sharpener. G. N. Fryer. 171,126, Dec. 22.
Pencil sharpener and the like. H. O. Sandberg. 170,029, July 14.
Pendant. M. De Stefano. 169,804, June 9.
Pendant or similar article. A. C. Jensen. 170,924, Nov. 24.
Percolator, Electric. R. C. Nicolay. 170,161, Aug. 11.
Perfume bottle and holder therefor or similar article, Combined. H. Bell. 170,904, Nov. 24.
Personal protective shield, Self-adjusting. J. L. Paul. 170,546, Oct. 6.
Phonograph, Child's. B. Cohen. 170,524, Oct. 6.
Photographic enlarger or similar article. R. M. Barth and H. G. Bergstrom. 170,960, Dec. 1.
Photographic light meter. H. A. Bakke. 169,721, June 2.
Physiotherapeutic device for the hands, arms, and the like. T. D. Isham. 169,491, May 5.
Piano. H. Grotrian-Steinweg. 169,437, Apr. 28.
Piano or similar article, Spinet. J. Palma, Jr. 170,363, Sept. 8.
Pie. H. L. Griffin. 170,258, Aug. 25.
Pillow. W. M. Emery. 169,583, May 19.
Pin. H. M. Osers. 170,934, Nov. 24.
Pincushion. A. T. Moeglich. 170,542, Oct. 6.
Pin, Lapel. O. A. Eriksen. 169,061, Mar. 24.
Pin, Safety. R. M. Hayes. 169,748, June 2.
Pin, Sorority. T. H. Neal. 169,082, Mar. 24.
Pin, Wedding anniversary. O. G. Feltner, Jr. 170,631, Oct. 20.
Pipe coupling. R. W. English. 168,928, Mar. 3.
Pipe cutter. C. A. Thober. 169,114, Mar. 24.
Pipe stem. A. A. Sasieni. 170,067, July 21.
Piston resizer and motor support, Combined. J. A. Riordan. 170,339, Sept. 1.
Pitcher. H. L. Basore. 171,118, Dec. 22.
Pitcher or similar article. A. C. Karlstad. 169,317, Apr. 14.
Pitcher or similar article. R. F. Pollard. 169,014, Mar. 10.
Pitcher or similar article. C. J. Uhrmann. 170,173, Aug. 11.
Pitter, Cherry. R. H. Frank. 169,034, Mar. 17.
Place mat. O. C. Elledge and H. R. McCray. 168,678, Jan. 27.
Place mat or similar article. K. C. Hamilton. 170,528, Oct. 6.
Planter, Hand. G. W. Turner. 170,778, Nov. 3.
Planter, Wall. W. H. Robinson. 169,519, May 5.
Plaque. C. A. Biondeel. 171,024, Dec. 8.
Plaque. C. M. Del Mas. 170,795, Nov. 10.
Plaque, Illuminable Christmas. J. Petry. 170,475, Sept. 22.
Plaque, Illuminable Christmas. J. Petry. 170,937–9, Nov. 24.
Plaque or similar article, Wall. M. Henfield. 170,803, Nov. 10.
Plaque, Religious. L. F. Mancini and D. M. Bauernfeind. 170,205, Aug. 18.
Plaque, Wall. M. Henfield. 168,995, Mar. 10.
Plaque, Wall. F. W. White. 170,515, Sept. 29.
Plastic sheet, Laminated. G. C. Rassman. 169,913, June 23.
Plastic sheeting or the like. E. S. Mover. 170,829, Nov. 10.
Plate. S. L. Griggs. 169,036, Mar. 17.
Plate. P. Schneeloch. 170,551, Oct. 6.
Plate, Compartmented. C. J. Chaplin. 170,910, Nov. 24.
Plate or similar article. G. A. Baker. 169,886, June 23.
Plate or similar article. D. Goldrosen. 169,478, May 5.
Plate or similar article. G. J. Higginson. 169,371, Apr. 21.
Plate or similar article. G. R. Palmeter. 170,654, Oct. 20.
Plate or similar article. G. S. Stone. 168,975, Mar. 3.
Plate or similar article, Dinner. H. M. Dost. 169,244, Apr. 7.
Plate or similar article, Dinner. E. M. Otis. 169,384, Apr. 21.
Plate or the like. O. J. Lund. 169,268, Apr. 7.
Plate or the like. B. L. Miller and G. Parker. 169,777, June 2.
Plate or the like. G. Parker and B. L. Miller. 170,336, Sept. 1.
Platform for figurines or the like. E. E. Mecus. 170,883, Nov. 17.
Platter or similar article. W. C. Richardson. 168,711, Jan. 27.
Playing card and poker chip case or similar article, Combined. W. W. Morgenweck. 170,206, Aug. 18.
Playing cards, Set of. C. B. Griffiths. 170,801, Nov. 10.
Playing cards, Set of. M. Inman. 169,847, June 16.
Playing cards, Set of. Y. Matthews. 169,557, May 12.
Pocket clip. N. K. Rhoades. 169,456, Apr. 28.
Pocketknife and lighter, Combination. E. S. Polk. 170,767, Nov. 3.
Pogo stick. H. H. Hohberger. 169,141, Mar. 31.
Polishing machine. J. L. Thompson. 170,559, Oct. 6.
Polishing machine, Floor. W. E. Holt. 169,372, Apr. 21.
Polishing machine, Floor. E. L. Verhagen. 170,176, Aug. 11.
Polishing unit, Floor. W. C. Harris. 170,198, Aug. 18.
Popcorn machine. S. M. Waas. 168,814, Feb. 10.
Popper, Corn. E. E. Sivacek. 169,565, May 12.
Porch column. W. L. Enghauser. 170,682, Oct. 27.
Porch column. W. L. Enghauser. 170,752, Nov. 3.
Portable typewriter case or similar article. J. O. Reinecke and J. W. Hauser. 168,709, Jan. 27.
Pot, Watering. L. A. Rowe. 169,700, May 26.
Potentiometer. M. E. Bourns. 170,396, Sept. 15.
Pouring can. E. J. Hoffman, Jr. 170,639, Oct. 20.
Powder box, lipstick container, and holder therefor or similar article, Combined. A. J. Whitehead and J. F. Lang. 170,899, Nov. 17.
Power drive unit for use with hand cutting tools. R. B. Pealer. 169,387, Apr. 21.
Press, Hydraulic. R. K. Sedgwick. 170,512, Sept. 29.
Press or similar article, Four-in-hand tie. J. H. Braley. 168,985, Mar. 10.
Pressure regulator or similar article. T. A. St. Clair and R. C. Krall. 168,641, Jan. 13.
Price tag. R. J. Slavsky. 171,111, Dec. 15.
Projection apparatus. J. Y. Taylor. 170,344, Sept. 1.
Projector and phonograph, Combination. R. H. Larson. 169,628, May 19.
Projector, sound amplifier, and carrying case therefor, Combined slide and strip film. B. Greene. 168,934, Mar. 3.
Projector, Portable. H. G. Fitz Gerald. 170,633, Oct. 20.
Proportional divider. L. Z. Plebanek. 168,967, Mar. 3.
Psychiatric testing and demonstration device or similar article. K. K. Buzby. 169,578, May 19.
Pull for drawers, cabinet doors, and the like. D. Heyer. 169,257, Apr. 7.
Pull for drawers, cabinet doors and the like. D. Heyer. 170,157, Aug. 11.
Pump. L. E. Russell. 170,387, Sept. 8.
Pump handle. L. E. Russell. 168,658, Jan. 20.
Pump, Portable electric. R. L. Barmore. 171,183, Dec. 29.
Purse and map holder, Combined utility. H. S. Chase. 169,422, Apr. 28.
Puzzle. G. and I. de Sibrik. 170,113, Aug. 4.
Puzzle, Block. F. Logue. 170,645, Oct. 20.
Pylon, Illuminable. L. A. Sauer. 170,030, July 14.
Rack, Bottle. A. I. Wahren. 170,433, Sept. 15.
Rack, Display. E. F. Carlson. 168,532, Jan. 6.
Rack, Display. E. W. La Barre. 169,509, May 5.
Rack, Electric wire suspension. H. C. Pfaff, Jr. 171,224, Dec. 29.
Rack, Garment. L. W. Cohn. 169,058, Mar. 24.
Rack, Magazine. K. N. Swanson. 170,098, July 28.
Rack, Merchandise display. J. Zel and R. W. Latimer. 169,649, May 19.
Rack or similar article, Pot holder. T. C. Dinu. 168,927, Mar. 3.
Rack or similar article, Shoe. H. A. Enrich. 169,429, Apr. 28.
Rack or similar article, Tool holding. J. T. Mains, Jr. 169,077, Mar. 24.
Rack or the like, Display. L. W. Gordon. 171,033, Dec. 8.
Rack, Tie. M. R. Baker and D. K. Williams. 168,529, Jan. 6.
Rack, Tie. C. Sova. 168,973, Mar. 3.
Rack, Tire. C. D. Lampman. 171,160, Dec. 22.
Rack, Tool display. C. A. Bowman. 171,191, Dec. 29.
Radiator flow test machine. J. V. Grasso. 170,975, Dec. 1
Radio cabinet. W. B. Petzold. 168,906–8, Feb. 24.

Radio clock and pen set, Combination. S. E. Adler. 170,738, Nov. 3.
Radio-phonograph cabinet panel. S. E. Adler. 170,789, Nov. 10.
Radio, Portable. J. O. Reinecke. 171,009, Dec. 1.
Radio receiver. D. D. Israel, A. C. Germer, and K. E. E. James. 170,923, Nov. 24.
Radio receiver casing. L. Boji and P. J. Oslac. 170,520, Oct. 6.
Radio-television cabinet control panel, Combination. S. E. Adler. 170,347, Sept. 8.
Railway car body. R. W. Haman and C. V. Norby. 170,637, Oct. 20.
Range control panel, Cooking. R. E. Hitchcock. 168,684, Jan. 27.
Range, Electric. F. M. Gustafson. 170,117, Aug. 4.
Razor and shaving cream dispenser, Combined. E. S. Lovasz. 170,825, Nov. 10.
Reader, Card. G. H. Kress and C. W. Sundberg. 169,686, May 26.
Rearview mirror or similar article. S. Pavenick. 168,589, Jan. 6.
Receptacle. J. E. Cheneweth. 170,111, Aug. 4.
Receptacle, Cigarette package. J. Halpern. 169,066, Mar. 24.
Receptacle, Coin. H. Grossman. 169,037, Mar. 17.
Receptacle for newspapers and the like. H. E. Curtis and G. L. Egbert. 170,309, Sept. 1.
Receptacle for spoons or the like. A. Hirsch. 169,258, Apr. 7.
Record sheet for social security or the like data. C. J. and D. L. Cotton. 170,449, Sept. 22.
Recorder-reproducer, Tape. B. J. Zapolski. 169,024, Mar. 10.
Refrigerator. D. E. Dailey. 168,677, Jan. 27.
Refrigerator and dispensing bar, Combination. D. E. Dailey. 168,676, Jan. 27.
Refrigerator or the like. R. M. Cleveland. 169,027, Mar. 17.
Register, Air. E. F. Averill. 169,350, Apr. 21.
Rheostat housing. C. Weissenstein. 169,922, June 23.
Rimless metal spectacle front. F. B. Neary. 168,903, Feb. 24.
Ring. E. Steiner. 168,769, Feb. 3.
Ring. R. D. Strathmeyer. 169,569, May 12.
Ring. A. Zimet. 168,875, Feb. 17.
Ring and handkerchief holder, Combined finger. B. L. Robbins. 170,241, Aug. 18.
Ring, Finger. C. Capraro. 170,628, Oct. 20.
Ring, Finger. W. P. Hickman. 169,749, June 2.
Ring, Finger. A. G. Sager. 170,722, Oct. 27.
Ring for holding perfume, Finger. C. M. Del Mas. 170,526, Oct. 6.
Ring, Harmonica. C. M. Del Mas. 170,527, Oct. 6.
Ring or the like. E. L. Schenck. 170,341, Sept. 1.
Ripsaw, Gang. G. M. Gustin. 169,902, June 23.
Roaster and cabinet, Combined electric. F. Wagner. 169,874, June 16.
Roaster, Electric. F. Wagner. 169,875–7, June 16.
Robe and mask, Combined insulated. R. M. Bland. 168,822, Feb. 17.
Rocker, Child's. J. C. White. 169,466, Apr. 28.
Rocker, Teeter. W. K. Walton. 169,049, Mar. 17.
Rocking horse. I. Goss. 170,052, July 21.
Rolling pin holder or similar article. A. A. Powers. 170,659, Oct. 20.
Rosary bead. C. M. Del Mas. 170,797, Nov. 10.
Rotary wing aircraft. P. J. Papadakos. 168,652, Jan. 20.
Rubber mat. A. Schwartz. 168,639, Jan. 13.
Rug. A. T. Taraborelli. 171,064, Dec. 8.
Rug cushion or similar article. T. Horwich. 168,894, Feb. 24.
Rug or similar article. M. R. Denes. 170,154, Aug. 11.
Rug or similar article, Linoleum. B. R. Parke and A. J. Milwid. 168,804, Feb. 10.
Rule, Educational. N. Farinacci. 168,834, Feb. 17.
Ruler. H. O. Sandberg. 169,226, Mar. 31.
Saddlebag, Motorcycle. W. J. Harley. 170,356, Sept. 8.
Sandal. N. Baroumes. 170,107, Aug. 4.
Sandal. A. Sbicca. 169,015, Mar. 10.
Sandal. A. S. Weisz. 170,897, Nov. 17.
Sandal. P. W. White and H. A. Webb. 169,717, May 26
Sandal or similar article. W. Braun. 169,238, Apr. 7.
Sandblast machine, Portable. J. C. Darab. 168,829, Feb. 17.
Sanding machine. W. L. Petersen. 170,547, Oct. 6.
Sandwich steadier. R. C. Collins and W. Saunderson. 170,912, Nov. 24.
Saucer or similar article. G. R. Palmeter. 170,653, Oct. 20.
Saw. R. D. Knapp. 170,202, Aug. 18.
Saw, Chain. A. W. Mall. 168,747, Feb. 3.
Saw, Electric chain. C. A. Latimer and D. H. Freund. 169,838, June 16.
Saw, Portable power-operated. E. C. Dudek. 169,361, Apr. 21.
Scabbard. R. D. Knapp. 170,417, Sept. 15.
Scale, Platform. F. Wagner. 171,067–8, Dec. 8.
Scale, Printing weighing. J. M. Little. 168,697, Jan. 27.
Scale, Weighing. R. F. Straw. 169,397, Apr. 21.
Scarf. L. Deroubaix. 169,474, May 5.
Scarf. W. Hanselmann. 169,588, May 19.
Scarf. U. Mauri. 169,323, Apr. 14.
Scarf. A. S. Morrow. 169,382, Apr. 21.
Scarf. V. Neumann. 169,083–91, Mar. 24.
Scarf. V. Neumann. 169,273–82, Apr. 7.
Scarf. V. Neumann. 170,063, July 21.
Scarf. V. Neumann. 170,598–600, Oct. 13.
Scarf. V. Neumann. 170,933, Nov. 24.
Scarf. V. Nicoulino. 170,601, Oct. 13.
Scarf, Head. N. K. Morris. 170,024, July 14.
Scarf, Head. S. Ozner. 168,854, Feb. 17.
Scarf or similar article, Fur. S. Ringler. 169,225, Mar. 31.
Scissors sheath and spool holder, Combined. J. J. Mulcrone, Sr. 169,909, June 23.
Scooter, Child's. F. R. Minozzi. 170,100, Aug. 11.
Screen deflector, Window. F. Labrise. 169,447, Apr. 28.
Screw driver and reamer, Combination. W. D. Hull. 170,119, Aug. 4.
Seal. P. F. W. Henning. 169,542, May 12.
Seal. P. F. W. Henning. 169,939, June 30.
Seal. H. F. Stoffel. 168,867, Feb. 17.
Seam ripper and thread picker, Combination. H. Ament. 169,572, May 19.
Seat and backrest cushion, Combined. C. H. Feldman. 169,366, Apr. 21.
Seat and cover therefor, Combined toilet. J. W. Hauser. 169,590, May 19.
Seat and table or similar article, Combination. H. J. Giltner. 168,791, Feb. 10.
Seat, Automobile. J. H. Lang. 169,073, Mar. 24.
Seat cover, Automobile. O. F. Marston. 170,932, Nov. 24.
Seat, Infant's bath. B. J. McWaide. 169,271, Apr. 7.
Seat unit, Bleacher. A. W. Richards. 169,635–7, May 19.
Seat, Vehicle. J. H. Lang. 169,074, Mar. 24.
Seat, Vehicle. J. H. Lang. 170,059–60, July 21.
Separable fish scaling clamp or similar article. C. Seeber. 168,600, Jan. 6.
Separator, Cream. L. G. McIntosh. 170,540, Oct. 6.
Server and tongs therefor, Combined food. L. Levine. 171,038, Dec. 8.
Service ribbon attachment, Military. A. E. Du Bois. 169,428, Apr. 28.
Service station island. E. A. Troik. 168,642, Jan. 13.
Service wagon. A. O. Estrada. 171,124, Dec. 22.
Set of chessmen. L. L. Wade. 169,230, Mar. 31.
Set of chessmen. E. N. Wright. 170,489, Sept. 22.
Settee. H. Netzer. 169,911, June 23.
Sewing-machine frame. M. S. Park. 170,064, July 21.
Sewing machine frame. M. S. Park. 170,335, Sept. 1.
Sewing machine, Fur. C. E. Hodgman. 170,038, Oct. 20.
Shadow box. G. Gast. 170,354, Sept. 8.
Shadow box. M. E. Green. 170,690, Oct. 27.
Shadow box. E. E. Mecus. 170,507, Sept. 29.
Shadow box or similar article, Illuminable. H. L. and M. K. Speer. 169,871, June 16.
Shaker. E. S. Tupper. 170,840, Nov. 10.
Shaker, Combined pepper-and-salt. T. A. Prus. 169,560, May 12.
Shaker, Combined salt and pepper. J. P. Moore. 171,043, Dec. 8.
Shaker conveyer trough. E. R. Bergmann. 169,834, June 16.
Shaker conveyer trough. E. R. Bergmann. 171,119, Dec. 22.
Sharpener and holder, Combination knife. B. L. Chapin. 169,056, Mar. 24.
Sharpener or the like, Crayon. J. G. Squarcio. 170,554, Oct. 6.
Shaver, Electric. C. L. Otto. 169,093, Mar. 24.
Shaver, Electric. S. P. Winther. 169,404, Apr. 21.
Shawl or the like. P. Freund, Jr. 169,308, Apr. 14.
Shears. L. Blanchaert. 170,905, Nov. 24.
Shears or similar article, Grass. C. E. Smith. 168,660, Jan. 20.
Sheet material or the like, Plastic. J. Bolten, Sr. 168,671, Jan. 27.
Sheet of cushioning material or the like, Flexible. L. Pannone. 171,100, Dec. 15.
Sheet of decorative material or the like. C. B. Stevens. 171,015, Dec. 1.
Sheeting or similar article, Plastic. H. Schlesinger. 168,768, Feb. 3.
Shelf. A. Helfenbein and R. J. Hardt. 169,480–1, May 5.
Shield for eyeglasses, Perspiration. H. E. Nichols. 168,700, Jan. 27.
Shirt. R. F. Greer. 170,800, Nov. 10.
Shirt. E. S. Ruskay. 168,859, Feb. 17.
Shirt, Sport. M. E. Cantor. 169,964, July 7.
Shirt, Sport. R. S. Dougherty. 170,681, Oct. 27.
Shirt, Sun tanning. J. J. Secosky and F. J. Sabo. 170,723, Oct. 27.
Shoe. N. Baroumes. 169,956, July 7.
Shoe. S. Ferragamo. 170,015, July 14.
Shoe. T. O. Wegner. 170,782–3, Nov. 3.
Shoe, Child's. R. Sherman. 170,552, Oct. 6.
Shoehorn. G. Beroset. 170,519, Oct. 6.
Shoehorn or the like. T. Jaderborg, Jr. 170,415, Sept. 15.
Shoe, Infant's. G. E. Kettner. 170,926, Nov. 24.
Shoe or similar article. M. Eisenberg. 168,785, Feb. 10.
Shoe or similar article. P. E. Hiestand. 168,744, Feb. 3.
Shoe or similar article. R. Maling. 169,556, May 12.
Shoe or similar article. G. Preti. 170,768, Nov. 3.
Shoe or similar article. J. Sandler. 169,227, Mar. 31.
Shoe or similar article. J. Sandler. 170,946, Nov. 24.
Shoe or the like. F. J. Diamant. 169,732, June 2.
Shoe or the like. H. Simon. 170,513, Sept. 29.

Shoe sole. W. J. Gruner. 171,130, Dec. 22.
Shoulder cord. A. E. Du Bois and E. Will. 170,453, Sept. 22.
Shoulder rest, Telephone. S. E. Harmon. 170,086, July 28.
Showcase. A. E. Claussen, Jr. 168,987, Mar. 10.
Shuffleboard attachment. A. Raymond. 170,066, July 21.
Shuttlecock. I. Lawner and J. Lipman. 170,503, Sept. 29.
Sign. F. Homme. 169,671, May 26.
Sign, Advertising. L. E. Peters. 171,223, Dec. 29.
Sign, Neon tube advertising. C. G. A. Rosen. 171,232, Dec. 29.
Signal or similar article, Illuminable traffic. J. A. O'Neill. 169,945, June 30.
Signal, Portable changeable road. E. D. Davis and A. G. Britton. 168,926, Mar. 3.
Signal, Traffic. J. R. Ferguson. 169,897–8, June 23.
Signal, Traffic. J. R. Ferguson. 170,014, July 14.
Signal, Vehicle directional. J. F. Waldman. 168,720, Jan. 27.
Sink and cabinet unit, Combination. E. W. Schmitt. 170,094, July 28.
Sink, Corner. J. Stanitz. 170,727, Oct. 27.
Sink spray. V. R. O'Brien. 168,803, Feb. 10.
Skate, Roller. B. A. Kandarian. 168,691, Jan. 27.
Skate, Roller. J. Korba, Jr. 169,263, Apr. 7.
Ski or similar article, Aircraft. H. S. Green. 170,192–5, Aug. 18.
Ski pole ring. F. Ronne. 169,823, June 9.
Ski pole ring. A. C. H. Weiss. 169,644, May 19.
Skirt or similar article. S. Feldman. 170,012, July 14.
Skirt portion for a shuttlecock or similar article. L. Sametz. 171,012, Dec. 1.
Sled. F. T. Paden and A. C. H. Weiss. 170,886–8, Nov. 17.
Sled, Ski. A. J. Giannotti. 168,741, Feb. 3.
Sleeve press. I. C. Maxwell and O. H. Langen. 170,647, Oct. 20.
Slicing aid. R. V. Loeb. 171,039, Dec. 8.
Slide projector. G. Lessman. 168,627, Jan. 13.
Slider body and pull tab for slide fasteners, Combined. H. F. Gorth. 169,138, Mar. 31.
Slip, Bra-top. H. Breitman. 168,923, Mar. 3.
Slipper. L. Lloyd. 169,449, Apr. 28.
Slipper or similar article. J. E. Disch. 169,535, May 12.
Smoking aspirator. H. Rotthier. 169,099, May 26.
Snow suit. A. Rosenblatt. 169,342, Apr. 14.
Soap dish, tumbler, and toothbrush holder, Combined. J. Di Sopra. 170,186, Aug. 18.
Sock, Bobby. C. T. Collins. 170,749, Nov. 3.
Sock or similar article. L. Lasar. 170,592–3, Oct. 13.
Sock or similar article. J. F. Verreault. 170,485, Sept. 22.
Sofa and bed, Combination. E. J. Spence. 170,665, Oct. 20.
Sofa and couch, Combination. M. J. Hoffman. 170,088, July 28.
Sofa, Living room. H. P. Glass. 170,190, Aug. 18.
Sofa, Sectional. H. P. Glass. 170,189, Aug. 18.
Sofa, Upholstered. E. Eck. 169,805, June 9.
Sofa, Upholstered. R. A. Maurer. 171,217, Dec. 29.
Sole and heel combination for shoes. B. Beklerman. 169,119, Mar. 31.
Sole plate for an electric iron. H. J. Taige. 170,291, Aug. 25.
Sound producing device or similar article. J. Long. 170,930, Nov. 24.
Sound translating machine. C. L. Otto. 169,559, May 12.
Sound translating machine. R. M. Somers. 169,556, May 12.
Spark plug and shield therefor, Combined. M. Ingram. 169,142, Mar. 31.
Spat or similar article. M. J. Bollenbach. 169,889, June 23.
Spectacle case. J. L. Foss. 170,914, Nov. 24.
Spectacle frame. M. Gerlich. 169,476, May 5.
Spectacle frame. N. K. G. Rosser. 171,052, Dec. 8.
Spectacle frame. F. Stoesser. 168,918, Feb. 24.
Spectale frame ornament. A. DiChiara. 170,155, Aug. 11.
Spectacle frame or the like. R. J. T. Bauer. 169,722–3, June 2.
Spectacle frame or the like. R. J. T. Bauer. 170,622, Oct. 20.
Spectacle frame or the like. R. J. T. Bauer and A. De Angelis. 169,724–5, June 2.
Spectacle frame or the like. W. C. Carmichael. 170,745–6, Nov. 3.
Spectacle front. H. Berman, V. Errico, and D. Lofrese. 169,887, June 23.
Spectacle front. R. F. Schutz. 171,107–9, Dec. 15.
Spectacle front. R. F. E. Stegeman. 171,112, Dec. 15.
Spectacle front. H. Weissman. 169,402, Apr. 21.
Spectacle front. H. Weissman. 170,435, Sept. 15.
Spectacle front, Combination metal and plastic. J. J. Rohrbach. 170,386, Sept. 8.
Spectacle front, Initialed. S. Ish-Shalom. 168,549, Jan. 6.
Spectacle front, Monogrammed. S. Ish-Shalom. 168,548, Jan. 6.
Spectacles, Pair of. A. B. Belgard. 170,623–4, Oct. 20.
Spelling appliance or similar article, Educational. W. C. Rieck. 169,562, May 12.
Spoke and hub cover for automobile steering wheels. H. G. Gilliam. 170,116, Aug. 4.
Sponge cleaner or the like. G. Virneburg. 169,796, June 2.
Spoon. T. Carvel. 169,580, May 19.
Spoon or similar article. Q. N. Allen and M. P. Fleming. 168,877, Feb. 24.
Spoon or similar article. P. B. Askew. 169,885, June 23.
Spoon or similar article. P. B. Ball. 170,041, July 21.
Spoon or similar article. P. B. Ball. 170,441, Sept. 22.
Spoon or similar article. M. P. Fleming. 168,886, Feb. 24.
Spoon or similar article. M. P. Fleming. 171,031, Dec. 8.
Spoon or similar article. R. C. Gavette. 170,455, Sept. 22.
Spoon or similar article. W. H. Gerth. 168,890, Feb. 24.
Spoon or similar article. W. S. Warren. 169,401, Apr. 21.
Spoon or other article of flatware. E. J. Conroy. 169,030–1, Mar. 17.
Spoon or other article of flatware. L. V. M. Helander. 170,056, July 21.
Spoon or similar article of flatware. M. Bernstein. 171,076, Dec. 15.
Spoon or the like. N. J. Mercer. 168,629–30, Jan. 13.
Spotlight or similar article. P. G. Stone. 170,034, July 14.
Spray head for aerosol bombs. L. B. Drell. 170,451, Sept. 22.
Spray head for aerosol bombs and the like. L. B. Drell. 170,452, Sept. 22.
Sprayer for insecticides, deodorants, or the like. F. A. Ziherl. 170,039, July 14.
Squeezer, Lemon. J. B. Guttman. 169,139, Mar. 31.
Stand. L. A. Wieland. 170,670, Oct. 20.
Stand and base, Combined display. S. H. Horwitz. 168,998, Mar. 10.
Stand, Collapsible tube. J. Bateman. 170,517, Oct. 6.
Stand, Collapsible valet. E. W. Ehrman. 170,497, Sept. 29.
Stand, Display. S. H. Horwitz. 168,997, Mar. 10.
Stand, Display. N. H. Poor. 169,287, Apr. 7.
Stand, Drill mounting. E. W. Buck. 170,352, Sept. 8.
Stand for a hand telephone, Desk. J. M. Robinson, L. J. Greshel, and D. A. Lewis. 171,105, Dec. 15.
Stand, Merchandise display. A. Mohr. 168,963, Mar. 3.
Stand or similar article, Manicure. E. R. Wagner. 170,669, Oct. 20.
Stand or similar article, Smoker's. F. C. and W. H. Panzer. 171,101, Dec. 15.
Stand or similar article, Telephone. E. Rocker. 168,858, Feb. 17.
Stand, Plant. A. J. Vavoulis. 170,955, Nov. 24.
Stand, Umbrella display. L. Peyser. 168,856, Feb. 17.
Stand, Vending. E. G. Lindgren. 170,707, Oct. 27.
Stand, Wall. E. E. Svic. 170,894, Nov. 17.
Stand, Warming. R. D. Budiong. 169,416, Apr. 28.
Staple driving machine. F. W. Schmidt. 171,057, Dec. 8.
Staple puller. W. H. Misson. 169,859, June 16.
Staple remover or similar article. H. W. Marano. 169,079, Mar. 24.
Stapler. R. W. Jenny. 171,090, Dec. 15.
Stapler and staple remover or similar article, Combined. H. W. Marano. 170,878, Nov. 17.
Stapler or similar article, Desk. H. W. Marano. 170,423, Sept. 15.
Stapler or similar article, Desk. H. W. Marano. 171,094, Dec. 15.
Steamer and bun warmer, Combination hot dog. A. D. Altemiller. 168,817, Feb. 17.
Steering wheel and horn ring, Combined vehicle. J. T. McCreary. 171,163, Dec. 22.
Stencil machine, Silk screen. J. A. Black. 170,299, Sept. 1.
Stereoscopic viewer. J. E. Davis. 168,645, Jan. 20.
Stereoscopic viewer. C. L. Romrell. 171,049, Dec. 8.
Stirrer, spreader, and pickle fork, Combined. C. L. Osborn. 168,706, Jan. 27.
Stocking. H. T. Bryan. 169,893, June 23.
Stocking. G. Clauss. 168,733, Feb. 3.
Stocking. J. C. Cobert. 169,127, Mar. 31.
Stocking. M. Fisher. 169,740–1, June 2.
Stocking. M. Fisher. 170,405–6, Sept. 15.
Stocking, M. Fisher and G. J. Eligman. 170,407, Sept. 15.
Stocking. L. E. Frye. 169,475, May 5.
Stocking. J. Hamilton. 169,313, Apr. 14.
Stocking. D. E. Henk. 168,743, Feb. 3.
Stocking. A. E. Ischinger. 169,752–8, June 2.
Stocking. J. J. Keichel. 170,590, Oct. 13.
Stocking. W. M. Langer. 168,626, Jan. 13.
Stocking. W. M. Langer. 170,928, Nov. 24.
Stocking. C. W. Livingston. 169,770–1, June 2.
Stocking. P. R. Nestler. 170,333, Sept. 1.
Stocking. C. Nye. 169,865, June 16.
Stocking. I. Rabinowitz. 169,389, Apr. 21.
Stocking. I. Rabinowitz. 169,695, May 26.
Stocking. I. Rabinowitz. 169,786, June 2.
Stocking. I. Rabinowitz. 171,226, Dec. 29.
Stocking. I. Stillman. 168,978, Mar. 3.
Stocking. I. Stillman. 170,290, Aug. 25.
Stocking. H. M. Suess. 169,950, June 30.
Stocking. G. C. Tait. 168,662, Jan. 20.
Stocking. G. C. Tait. 169,918, June 23.
Stocking. W. Tait. 169,919, June 23.
Stocking, Lady's. G. J. Apar. 168,818, Feb. 17.
Stocking, Lady's. W. G. Bley. 171,184–9, Dec. 29.
Stocking, Lady's. M. J. Gordon. 169,035, Mar. 17.
Stocking, Lady's. F. Hoffecker. 170,319, Sept. 1.
Stocking, Lady's. F. Hoffecker. 170,756, Nov. 3.

Stocking, Lady's. F. Hoffecker. 170,863, Nov. 17.
Stocking, Lady's. C. E. McCarthy. 171,095, Dec. 15.
Stocking, Lady's. C. A. Miles. 168,849, Feb. 17.
Stocking, Lady's. W. Mueller. 169,081, Mar. 24.
Stocking, Lady's. R. C. Remmey. 169,222, Mar. 31.
Stocking, Lady's. M. A. Rickert. 169,822, June 9.
Stocking, Lady's. M. A. Rickert. 169,990, July 7.
Stocking, Lady's. M. A. Rickert. 170,548, Oct. 6.
Stocking, Lady's. J. K. Voehringer, Jr. 170,101, July 28.
Stocking, Lady's. A. Wilcher. 171,115, Dec. 15.
Stocking or similar article. R. H. and F. W. Kinley. 168,796, Feb. 10.
Stole. R. W. Salny. 170,340, Sept. 1.
Stone shield, Automobile. H. W. Pilkey. 170,832, Nov. 10.
Stone shield, Automobile. C. C. Voss. 170,842, Nov. 10.
Stool. L. D. Royal. 170,243, Aug. 18.
Stool. F. G. Tilley. 169,461, Apr. 28.
Stool and stepladder, Combination. F. L. Duer. 169,033, Mar. 17.
Stool, Bar. C. R. Corder. 169,128, Mar. 31.
Stool, Mobile. E. J. Ries and G. E. Christians. 169,606, May 26.
Stool, Utility. D. W. Doherty. 170,311, Sept. 1.
Stopper for a bottle, Dispenser. A. L. Voight. 169,462, Apr. 28.
Stopper for a bottle, Dispenser. A. L. Voight. 168,871, Feb. 17.
Stopper, Suction sink. G. J. Monahan, Jr. 170,425, Sept. 15.
Storage unit, Electrostatic. G. H. Kress and C. W. Sundberg. 169,685, May 26.
Store front. E. Trinkle. 169,294, Apr. 7.
Stove grid. C. W. Agee. 169,719, June 2.
Stove handle. W. J. Miller. 168,631, Jan. 13.
Stove, Heating. C. C. Perry. 170,364, Sept. 8.
Stove, sink, and refrigerator unit, Combination. A. Iannelli. 168,616, Jan. 13.
Strainer. V. P. Bourne-Vanneck. 170,676, Oct. 27.
Strainer, Tea bag. W. F. Taylor. 170,484, Sept. 22.
Straw, Drinking. M. Dinhofer. 169,240–2, Apr. 7.
Stroller. H. B. Eging. 169,060, Mar. 24.
Suction cleaner. H. Dreyfuss. 170,256, Aug. 25.
Suction cleaner and cart, Combined. R. E. Hedstrom and B. M. Barrett. 169,140, Mar. 31.
Suit or the like, Child's pram. R. T. Friedman. 168,888, Feb. 24.
Sundress, Child's. E. Kairalla. 170,416, Sept. 15.
Sunglasses, Pair of. E. F. Von Seekamm. 169,570, May 12.
Support, Clothesline. T. T. Zajac. 169,406, Apr. 21.
Sweater or similar article. S. Levine. 169,151, Mar. 31.
Sweater or the like. S. Levine. 170,022, July 14.
Switchboard, Accordion. A. Logli. 169,267, Apr. 7.
Switchboard, Telephone. F. W. Treptow. 168,663, Jan. 20.
Switch, Electric. J. A. Herrmann. 169,738, Apr. 28.
Switch, Electric wall. D. L. McFarland. 169,513, May 5.
Switch escutcheon. L. T. Bordner. 169,574, May 19.
Switch housing, Electric. A. Mazzola. 170,648, Oct. 20.
Switch plate, Wall. G. F. Russell. 169,288, Apr. 7.
Switch, Thermostatic fire alarm. J. H. Derby. 169,935, June 30.
Switch, Thermostatic fire alarm. C. W. Mitchell and S. S. Aidlin. 169,944, June 30.
Syringe and douche container, N. Leonard and M. Carol. 170,594, Oct. 13.
Syringe, Hypodermic. E. and A. Barrett. 169,237, Apr. 7.
Table. L. C. and B. A. Johnson. 168,688, Jan. 27.
Table. F. Kuehne, Jr. 168,941, Mar. 3.
Table. E. R. Kupferer. 169,819, June 9.
Table. E. H. Placke. 169,388, Apr. 21.
Table. L. A. Revell. 169,455, Apr. 28.
Table. O. L. Saenz. 170,550, Oct. 6.
Table. F. Wagner. 171,017, Dec. 1.
Table, Adjustable rotatable television. W. Gerber. 170,315, Sept. 1.
Table, Cabinet. H. R. Trout and F. M. Hill. 169,794, June 2.
Table-chair unit or the like, Combination. D. Chapman and R. G. Reineman. 169,932, June 30.
Tablecloth. F. P. Castorani. 170,565–7, Oct. 13.
Tablecloth. R. A. Fees. 169,247, Apr. 7.
Tablecloth. V. Hamill. 168,838, Feb. 17.
Tablecloth. V. Hamill. 169,254, Apr. 7.
Tablecloth. H. D. Hooven. 169,068, Mar. 24.
Tablecloth. H. D. Hooven. 170,757, Nov. 3.
Tablecloth. F. P. Otto. 168,964, Mar. 3.
Tablecloth. F. P. Otto. 169,284–6, Apr. 7.
Tablecloth. T. Waldman. 169,297, Apr. 7.
Tablecloth. W. Wolf. 168,921, Feb. 24.
Tablecloth. W. Wolf. 169,300, Apr. 7.
Table, Coffee. A. Luhrs. 170,420, Sept. 15.
Table, Coffee. R. S. Sanford. 169,867, June 16.
Table, Corner. E. A. Swanson. 168,602, Jan. 6.
Table, desk, and bookrack, Combination drafting. J. M. Jacobson, I. R. Barr, and E. J. Tousignan. 169,940, June 30.
Table, Drop-leaf dining. R. J. Luger. 170,760, Nov. 3.
Table, Folding. A. M. Zalkind. 170,672, Oct. 20.
Table, Folding tray. R. Wright. 169,527, May 5.
Table, Height-adjustable. J. J. Keal. 169,261, Apr. 7.
Table or similar article. W. J. Bargen. 171,180, Dec. 29.
Table or similar article. R. Brown. 170,523, Oct. 6.
Table or similar article. S. M. Schwartz. 169,868, June 16.
Table or the like. D. Chapman and R. G. Reineman. 169,933, June 30.
Table or the like. D. Chapman and R. G. Reineman. 170,006, July 14.
Table or the like, Corner. E. A. Swanson. 168,601, Jan. 6.
Table or the like, Drawing. T. M. Rainey. 171,103, Dec. 15.
Table, Over-bed. L. Smith. 169,460, Apr. 28.
Table, Physician's examining. E. W. Claus. 170,305, Sept. 1.
Table, Serving. F. W. Jacoby. 170,692, Oct. 27.
Tag for sheep and other animals, Ear. K. G. and G. N. Dumbrell. 170,913, Nov. 24.
Tail light fixture for automobiles. W. R. Porter. 168,805, Feb. 10.
Tailpiece vibrato for string instrument. P. A. Bigsby. 170,109, Aug. 4.
Tamper for chopping machines. H. J. Raymond. 169,561, May 12.
Tank and heat collector for portable fire extinguishers, Combined extinguishant. P. Lim. 170,129, Aug. 4.
Tape cutter. I. J. Gershen. 170,456, Sept. 22.
Teapot or similar article. C. H. Newman and J. L. Hvale. 168,584, Jan. 6.
Teething aid. M. F. Newmark. 171,165, Dec. 22.
Teething ring or similar article. J. Colm. 170,050–1, July 21.
Television broadcast transmitter. M. Silver, E. M. Bradburd, and R. B. Lewthwaite. 170,070, July 21.
Television front panel unit. R. C. Marholz. 169,774, June 2.
Television receiver. R. C. Marholz. 169,450–1, Apr. 28.
Television receiver. R. McGunnigle. 170,882, Nov. 17.
Testing device for optical lenses and the like. F. G. Back. 168,528, Jan. 6.
Thermometer. S. Burrows. 169,894, June 23.
Thermometer and holder for a scratch-pad or the like, Combined. R. Viemeister. 170,432, Sept. 15.
Thermometer, Magnetic. R. Kux. 168,575, Jan. 6.
Tile, Acoustical correction. T. Prisland. 168,763, Feb. 3.
Tilt-table, Portable. A. Zampini. 170,105, July 28.
Tire. G. O. Beckman. 168,728, Feb. 3.
Tire. G. O. Beckman. 168,775, Feb. 10.
Tire. W. F. Billingsley. 169,835–6, June 16.
Tire. C. C. Custer. 168,675, Jan. 27.
Tire. E. S. Ewart and D. S. Hackley. 170,854, Nov. 17.
Tire. W. E. Hardeman. 169,668, May 26.
Tire. E. W. Hawkinson. 170,055, July 21.
Tire. E. W. Hawkinson. 170,691, Oct. 27.
Tire. E. W. Hawkinson. 170,862, Nov. 17.
Tire. E. W. Hawkinson. 171,203, Dec. 29.
Tire. W. Humphries. 170,640, Oct. 20.
Tire. P. N. Kaufman. 170,873, Nov. 17.
Tire. J. F. Newman. 170,765, Nov. 3.
Tire casing trimming and balancing machine or similar article, Combined pneumatic. J. H. Braley. 168,984, Mar. 10.
Tire, Pneumatic. E. A. Roberts. 169,914, June 23.
Tire, Pneumatic. W. H. Schlichtmann. 168,714, Jan. 27.
Tire, Pneumatic. A. H. Steadman. 169,567, May 12.
Tire valve stem cap. R. K. Boyer. 169,353, Apr. 21.
Tire, Vehicle. A. H. Nellen. 170,710–11, Oct. 27.
Toaster. P. E. Willman. 169,233, Mar. 31.
Toilet seat or similar article, Corner. W. A. Inman. 170,806, Nov. 10.
Tone arm, Phonograph. C. L. Folden. 169,249, Apr. 7.
Tool attachment for a power tool unit, Reciprocating T. B. Keesling. 170,466, Sept. 22.
Tool, Bar. M. J. La Forte. 170,999, Dec. 1.
Tool, Bottle opening and resealing. N. A. Hagedorn. 169,253, Apr. 7.
Toolbox, Double. G. Tavolazzi. 170,728, Oct. 27.
Tool, Cement working. L. S. Brunson. 169,053, Mar. 24.
Tool, Combination. E. S. Polk. 171,167, Dec. 22.
Tool, Combination pocket. I. Bochory. 171,025, Dec. 8.
Tool, Dent-removing. L. M. Back. 170,741, Nov. 3.
Tool headpiece, Gardening. A. Fath. 169,841, June 16.
Toolholder. B. W. and L. O. Dundon. 170,798, Nov. 10.
Tool, Plaster cast spreading. T. C. Ward. 170,780, Nov. 3.
Tool, Puttying. W. Lausman and O. R. Siewert. 169,768, June 2.
Tool, Spark plug gapping. J. T. Clark. 170,964, Dec. 1.
Tool, Spreader. J. Blander. 169,837, June 16.
Tool support. W. H. Odlum and K. A. Paine, Jr. 171,222, Dec. 29.
Tool unit or the like, Portable electric. W. A. Nystrom. 171,220–1, Dec. 29.
Toothbrush. C. M. Del Mas. 170,680, Oct. 27.
Tooth brush and casing therefor, Combination. M. Schotland. 170,095, July 28.
Tote box, Stackable. R. C. Fritz, Jr., G. L. de Caccia, and D. Ratzlaff. 169,743, June 2.
Towel bar, Suction cup. W. A. Eaton. 168,832, Feb. 17.
Toy airplane. J. E. Rylands. 170,288, Aug. 25.
Toy airplane. T. F. Stout. 169,715, May 26.
Toy airplane or similar article. H. J. Myser. 169,861–4, June 16.
Toy and safety device, Combined bathtub. A. S. Eisenberg. 169,246, Apr. 7.
Toy animal. F. F. Fullerton. 169,310, Apr. 14.
Toy, Animal figure. N. I. Broyles. 169,927, June 30.
Toy animal figure. E. H. Essex. 170,570, Oct. 13.

Toy automobile. P. J. Christopher. 168,732, Feb. 3.
Toy automobile. E. Handler. 169,541, May 12.
Toy, Automotive. E. Handler. 170,802, Nov. 10.
Toy bank or similar article. V. Fuller. 169,309, Apr. 14.
Toy bassinet, Miniature. E. L. Stowell. 169,917, June 23.
Toy bird figure. A. T. Norwich. 169,452, Apr. 28.
Toy boat, Self-propelled. H. H. Reuther. 168,807, Feb. 10.
Toy bug. F. Hotchner. 169,846, June 16.
Toy cap pistol or similar article. F. J. Maywald. 170,023, July 14.
Toy cap pistol or similar article. F. J. Maywald. 170,091, July 28.
Toy, Carousel. T. C. Cheresh. 169,423, Apr. 28.
Toy, Child's teether. R. M. Hayes. 170,357, Sept. 8.
Toy compass. L. E. Cooke. 170,149, Aug. 11.
Toy cow. L. J. Campbell. 170,182, Aug. 18.
Toy, Cutout. T. C. Cheresh. 169,125, Mar. 31.
Toy, Educational. A. F. Fukal. 170,753, Nov. 3.
Toy figure. E. B. Darroch. 170,494, Sept. 29.
Toy, Figure. B. Gelardin. 170,081–3, July 28.
Toy figure. L. L. White. 170,436, Sept. 15.
Toy figure or similar article. V. G. Weaver. 170,781, Nov. 3.
Toy, Flying. C. A. Anderson. 168,724, Feb. 3.
Toy gun. M. Hirsch. 169,439, Apr. 28.
Toy gun. G. C. Schaible. 170,168, Aug. 11.
Toy gun. S. Wasserman and A. M. Sterns. 169,921, June 23.
Toy heel for a shoe or the like. E. Feldman. 171,087, Dec. 15.
Toy helicopter. B. Nagler. 169,558, May 12.
Toy, Manipulative. N. W. Washington. 169,878, June 16.
Toy, Monorail. L. Cohen and W. H. Reineking. 170,748, Nov. 3.
Toy musical instrument. W. Kratt and E. J. Ens. 169,321, Apr. 14.
Toy or similar article, Child's riding. L. C. Peltier. 170,026, July 14.
Toy pistol. G. C. Schaible. 168,972, Mar. 3.
Toy, Pop-up figure. M. Sugita. 171,234, Dec. 29.
Toy railroad station. W. L. Bonar. 169,728, June 2.
Toy savings bank. R. V. Lentz. 170,706, Oct. 27.
Toy savings bank or similar article. W. C. Littlejohn. 170,505, Sept. 29.
Toy shopping cart or similar article. H. Kesler. 170,759, Nov. 3.
Toy signal tower. L. Cowen. 169,129, Mar. 31.
Toy sparking pistol. S. Hoffman. 169,039, Mar. 17.
Toy store. A. E. Beethoven. 170,143, Aug. 11.
Toy talking device. F. J. Bloss. 170,564, Oct. 13.
Toy, Tethered top. M. L. Hassenfeld. 165,589, May 19.
Toy train block puzzle. G. Peterson. 170,427, Sept. 15.
Toy trolley. E. Handler. 168,742, Feb. 3.
Toy, Tumbling. J. Baron. 169,529, May 12.
Toy, Trundle. N. S. Leckness. 169,005, Mar. 10.
Toy, Trundle. C. W. Morgan. 169,164, Mar. 31.
Toy, Trundle. J. A. Peabody, Sr. 171,007, Dec. 1.
Toy vehicle. M. Barry. 170,516, Oct. 6.
Toy vehicle tire. B. C. Klint. 169,857, June 16.
Toy, Walking. L. J. Campbell. 170,146, Aug. 11.
Toy, Walking. L. J. Campbell. 171,080–1, Dec. 15.
Toy walking bear. L. J. Campbell. 169,420, Apr. 28.
Toy walking cow. L. J. Campbell. 169,418, Apr. 28.
Toy walking dog. L. H. Kramer. 169,146, Mar. 31.
Toy walking elephant. L. J. Campbell. 169,419, Apr. 28.
Toy walking horse. L. J. Campbell. 169,124, Mar. 31.
Toy water pistol. C. Arliss. 168,878, Feb. 24.
Toy weapon. M. Hirsch. 169,315, Apr. 14.
Toy weapon. M. Hirsch. 169,440, Apr. 28.
Toy weapon. R. Rastetter. 168,909, Feb. 24.
Toy, Wheeled. H. D. Allen. 170,106, Aug. 4.
Tractor. S. Hiller, Jr. 170,358, Sept. 8.
Tractor. A. J. Lewis. 169,982, July 7.
Tractor. E. A. Wagner. 170,956, Nov. 24.
Tractor, Juvenile. V. Schreckengost. 169,639, May 19.
Tractor, Three-wheeled. B. T. Aasland, M. W. Bloom, and W. L. Zink. 171,178, Dec. 29.
Traffic signal. E. G. Maxwell. 169,043, Mar. 17.
Trailer. W. Aschenbrenner. 170,297, Sept. 1.
Trailer, Cement transport. C. C. Clough. 170,969, Dec. 1.
Trailer coach. M. C. Poole. 170,093, July 28.
Trailer, House. R. Goettsche. 171,032, Dec. 8.
Trailer, House. S. J. Kropf. 171,212, Dec. 29.
Trailer, Machine shop. K. W. Couse. 168,535, Jan. 6.
Trailer, Mobile machine shop. K. W. Couse. 168,536, Jan. 6.
Tray. V. A. Foster. 169,133, Mar. 31.
Tray. J. P. Katz. 168,692, Jan. 27.
Tray. W. H. Randall. 170,164, Aug. 11.
Tray. A. Zaic. 169,648, May 19.
Tray and pivoted beverage rack, Combined food. R. B. Karoff. 169,759, June 2.
Tray, Canasta. E. L. Beckwith. 168,983, Mar. 10.
Tray, Carrying. W. H. Randall. 170,163, Aug. 11.
Tray, Carrying. W. H. Randall. 171,104, Dec. 15.
Tray, Collapsible. R. B. Karoff. 169,144, Mar. 31.
Tray for a wrapped fruit container. J. E. Murphy and M. Schnall. 169,383, Apr. 21.
Tray for a wrapped fruit container. J. E. Murphy and M. Schnall. 170,092, July 28.
Tray for a wrapped fruit container. J. E. Murphy and M. Schnall. 171,098, Dec. 15.
Tray for typists' accessories. L. P. Caldwell and P. C. Wohlt. 169,963, July 7.
Tray, Hairpin. E. K. Kupinske and A. K. Wargo. 169,072, Mar. 24.
Tray, Luggage. C. S. Burtchaell. 169,577, May 19.
Tray or similar article. R. L. Gruen. 169,064, Mar. 24.
Tray, Sandwich and hors d'Oeuvre. C. M. Del Mas. 170,679, Oct. 27.
Tray, Serving. L. H. Barnett and H. Brin. 168,727, Feb. 3.
Tray, Serving. M. F. Klein. 169,817, June 9.
Tray, Serving. W. H. Randall. 170,237, Aug. 18.
Tray, Serving. W. H. Randall. 170,338, Sept. 1.
Tray, Serving. C. C. Towns. 171,065, Dec. 8.
Tray, Slide filing. H. L. Mills. 171,219, Dec. 29.
Tray, Tableware. L. Thompson. 169,952, June 30.
Trellis or similar article, Porch. E. Meierjohan. 169,154–63, Mar. 31.
Trellis or similar article, Porch. E. Meierjohan. 169,516, May 5.
Tricycle. R. K. Dix. 171,196, Dec. 29.
Trophy or similar article. J. A. Santner. 168,598, Jan. 6.
Truck, Lift. J. A. Frischmann. 169,900, June 23.
Truck, Motor. E. S. Prichard. 171,225, Dec. 29.
Tub, Laundry. B. E. Mustee. 169,910, June 23.
Tumbler. F. Diamond and J. E. Plummer. 169,733–8, June 2.
Tumbler or similar article. F. E. Smith. 170,390, Sept. 8.
Tumbler or similar article. F. Taylor. 170,099, July 28.
Tumbler or similar article, Glass. V. Hamill. 170,918–21, Nov. 24.
Typewriter. J. F. Kloski. 169,145, Mar. 31.
Typewriter and multipurpose desk. W. J. Bargen. 171,182, Dec. 29.
Urinal holder and deodorant cap, Combined. B. D. Love. 170,538, Oct. 6.
Urn. I. K. Woodward. 169,347, Apr. 14.
Vacuum tube extractor and terminal pin straightener. L. A. Fountain and D. Phillips. 169,540, May 12.
Valve. W. Lindgren, Jr. 169,152, Mar. 31.
Valve, Hydraulic relief. W. E. Eschliman. 168,833, Feb. 17.
Valve, Thermostatic. E. B. Fox. 170,855, Nov. 17.
Vanity bench or similar article. C. A. Thomson. 170,614, Oct. 13.
Vaporizer. J. Morey. 169,272, Apr. 7.
Vaporizer casing and mounting bracket, Combined. S. Wichansky. 168,609, Jan. 6.
Vaporizer for heating an insecticide. A. B. Johnson. 168,617, Jan. 13.
Vaporizer for insecticides, Wall attached. R. J. Simons. 169,110, Mar. 24.
Vaporizer, Insecticide. C. F. Holbrook. 168,685, Jan. 27.
Vaporizer, Medicinal. A. Barkin. 170,903, Nov. 24.
Vase. M. Drews. 169,581, May 19.
Vase and fruit bowl, Combined. M. Parrish. 170,830, Nov. 10.
Vase or similar article. R. D. Butler. 169,122, Mar. 31.
Vase or similar article, Illuminable floral. M. Greenspan. 169,370, Apr. 21.
Vehicle. P. O. Wright. 169,955, June 30.
Vehicle, Automotive. J. O. Lane. 169,448, Apr. 28.
Vehicle, Child's. C. A. Scheppele. 170,947, Nov. 24.
Vehicle drying unit, Automotive. J. Vani and A. J. Malpede. 170,174–5, Aug. 11.
Vehicle for golfers and the like. H. R. Rogant. 170,834, Nov. 10.
Vehicle front end assembly. F. A. Lee. 168,576, Jan. 6.
Vehicle, Juvenile tractor. V. Schreckengost. 169,640, May 19.
Vehicle, Motor. L. J. Fageol. 169,365, Apr. 21.
Vehicle traction cleat. J. M. Westrate. 169,403, Apr. 21.
Vending station, Combined food and beverage. L. A. Zorn. 170,736–7, Oct. 27.
Venetian blind cover. M. E. Skwark. 170,342, Sept. 1.
Vessel for food mixers, Mixing. A. Iannelli. 169,373, Apr. 21.
Vest, Double-breasted dress. C. Emms. 171,085, Dec. 15.
Vest, Single-breasted dress. C. Emms. 171,086, Dec. 15.
Vial, Perfume. C. M. Del Mas. 169,534, May 12.
Vibrato for string instrument, Tailpiece. P. A. Bigsby. 169,120, Mar. 31.
Vibrator. H. R. Greene. 170,500, Sept. 29.
Vibrator for therapeutic use or similar article, Electric foot. S. L. McNair. 169,515, May 5.
Vision testing device. J. T. Armbruster. 170,296, Sept. 1.
Visor, Headlamp. D. Pattis. 169,820, June 9.
Visor, Student pilot's instruction. B. M. Cooper, A. M. Parkison, and G. A. Storck. 168,736, Feb. 3.
Wagon, Coaster. M. L. Hall. 169,038, Mar. 17.
Waistband. J. H. Morgan. 170,764, Nov. 3.
Walker, Child's. L. L. Becker. 169,411, Apr. 28.
Wall and tower unit for a toy fortress or similar article. G. R. Beyer. 169,888, June 23.
Wall fixture for deodorizing lamps. H. A. Brill and M. Slotsky. 169,960, July 7.
Wall fixture for deodorizing lamps. C. W. Flood, Jr. 170,188, Aug. 18.
Wall pocket or the like. M. Sapirstein. 168,809, Feb. 10.
Wallet and holder for manicuring and sewing accessories, Combined. N. Eichel. 170,187, Aug. 18.
Warmer or similar article, Food. R. L. Gruen. 169,66[illegible] May 26.
Washcloth. E. E. Wright. 170,734, Oct. 27.

Washing machine. N. S. McEwen. 169,153, Mar. 31.
Washing machine or similar article. C. W. Sundberg. 169,113, Mar. 24.
Waste disposer or the like, Food. R. A. Lambert. 170,874, Nov. 17.
Wastebasket. L. H. Barnett and H. Brin. 169,301, Apr. 14.
Wastebasket or similar article. N. W. Roop. 170,138, Aug. 4.
Watch band or similar article. J. L. Hajos and K. Speck. 170,977–8, Dec. 1.
Watch bracelet, Expansible wrist. R. F. Boehm. 170,792, Nov. 10.
Watch case and a watch band, Combined wrist. P. G. Nolin. 171,004–5, Dec. 1.
Watch case and watch band, Combined. P. G. Nolin. 171,000, Dec. 1.
Watch, Wrist. A. Wyler. 170,179, Aug. 11.
Water conditioner and filter unit. N. Monsarrat. 170,472, Sept. 22.
Water mixing control unit. M. W. Gredell. 169,434–5, Apr. 28.
Water sprinkling device or similar article. N. W. Roop. 168,595, Jan. 6.
Wedge and spur for logging operations and the like, Combined. J. M. Council. 168,534, Jan. 6.
Wheel, Coaster wagon. P. H. Rosenberg. 171,011. Dec. 1.
Wheel cover. H. M. Jenkins, Jr. 170,057, July 21.
Wheel cover. H. M. Jenkins, Jr. 170,464, Sept. 22.
Wheel cover. F. P. Plotkin. 169,946, June 30.
Wheel cover. B. Plotkin. 170,230–5, Aug. 18.
Wheel cover. R. W. Ryerson. 168,977, Mar. 3.
Wheel cover member or similar article. G. A. Lyon. 169,011, Mar. 10.
Wheel cover member or similar article. G. A. Lyon. 169,514, May 5.
Wheel cover member or similar article. G. A. Lyon. 170,597, Oct. 13.
Wheel cover or similar article. G. Lyon. 168,580, Jan. 6.
Wheel cover or similar article. G. A. Lyon. 169,010, Mar. 10.
Wheel cover or similar article. G. E. Lyon. 169,907, June 23.
Wheel cover or similar article. G. A. Lyon. 170,421–2, Sept. 15.
Wheel cover or similar article. G. A. Lyon. 171,162, Dec. 22.
Wheel for chucking tools, Hand. C. H. Ingwer. 171,207, Dec. 29.
Wheel ornament for motor vehicles. C. W. Sundberg. 170,248–9, Aug. 18.
Wheel trim. H. M. Jenkins, Jr. 170,463, Sept. 22.
Wheel trim or similar article. C. W. Sinclair. 170,952, Nov. 24.
Wheel trim or similar article, Vehicle. C. A. McLeod. 169,571, May 19.
Whisk broom and window wiper, Combined. N. Abrams. 169,555, May 12.
Wind deflector for an automobile. J. Sinko. 170,482, Sept. 22.
Windshield cleaner and clothes hanger, Combined. S. Coleman. 168,735, Feb. 3.
Window actuator. R. H. Hummert. 170,805, Nov. 10.
Window, handle, and push plate for a door, Combined. J. S. Sharp. 170,611, Oct. 13.
Window shade combined guard and handle. T. L. Feinberg. 170,498, Sept. 29.
Wire spacing device. J. C. Steadman. 170,555, Oct. 6.
Workbench, cabinet, and overhead trolley support, Combined. H. O. Miller. 170,329, Sept. 1.
Wreath. L. A. Dent and C. L. Basford. 168,830, Feb. 17.
Wrench, Multiple. S. Lutsker. 168,900, Feb. 24.
Wrench, Ratchet. J. N. Gerlach. 170,688, Oct. 27.
Wrench, Torque. F. W. Livermont. 170,506, Sept. 29.
X-ray film holder and directional guide. J. M. Goldberg. 168,992, Mar. 10.
Yarn bobbin and needle size gauge, Combined. J. S. Black. 168,530, Jan. 6.

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LIST OF PLANT INVENTIONS

African violet plant. D. W. Ulery. 1,214, Sept. 1.
Avocado tree. H. L. Gillespie. 1,208, Aug. 4.
Azalea plant. L. L. Brooks. 1,175, Mar. 31.
Azalea plant. W. B. Mulholland and P. E. Shepp. 1,212, Aug. 25.
Azalea plant. M. L. V. Van Zanten. 1,233, Dec. 15.
Black walnut tree. C. Weschcke. 1,229, Nov. 17.
Blueberry plant. H. E. Drew. 1,181, Apr. 21.
Camellia plant. R. W. Dailey. 1,190, May 19.
Camellia plant. W. E. Lammerts. 1,215, Sept. 1.
Carnation plant. R. Engle. 1,180, Apr. 21.
Chrysanthemum plant. E. S. Boerner. 1,162, Feb. 3.
Chrysanthemum plant. E. S. Boerner. 1,165–6, Feb. 10.
Chrysanthemum plant. E. S. Boerner. 1,168–9, Feb. 17.
Chrysanthemum plant. E. S. Boerner. 1,171, Feb. 24.
Chrysanthemum plant. E. Prushek. 1,177, Mar. 31.
Dicentra Plant. R. H. F. Manske. 1,198, June 23.
Dwarf double mock orange plant. G. D. Bush. 1,174, Mar. 10.
Euonymus fortunei plant. C. D. Corliss. 1,194–5, June 16.
Fuchsia plant. H. M. Tiret. 1,201–4, July 14.
Fuchsia plant. H. M. Tiret. 1,206, July 28.
Fuchsia plant. H. M. Tiret. 1,231, Nov. 24.
Juniper plant. C. White. 1,186, May 12.
Lantana plant. C. A. Longmire. 1,211, Aug. 25.
Nectarine tree. F. W. Anderson. 1,160–1, Jan. 13.
Nectarine tree. F. W. Hof Mann. 1,230, Nov. 17.
Orange tree. B. V. Johnson. 1,170, Feb. 24.
Peach tree. H. D. Dougherty. 1,216, Sept. 8.
Peach tree. J. F. Duke, Sr., J. F. Duke, Jr., and L. P. Duke. 1,236, Dec. 29.
Peach tree. L. L. Frye. 1,210, Aug. 11.
Peach tree. C. M. Fulkerth. 1,172, Mar. 3.
Peach tree. H. C. Peterson. 1,228, Nov. 10.
Peach tree. J. Valdero. 1,205, July 14.
Pear tree. W. H. Eller. 1,184, May 12.
Plum tree. L. C. Edwards. 1,213, Sept. 1.
Poinsettia plant. P. Ecke. 1,207, July 28.
Rose plant. E. S. Boerner. 1,222, Oct. 13.
Rose plant. E. S. Boerner. 1,225, Oct. 27.
Rose plant. J. D. Brownell. 1,182, May 5.
Rose plant. R. L. Byrum. 1,217, Sept. 22.
Rose plant. R. L. Byrum. 1,227, Nov. 10.
Rose plant. B. Engkvist. 1,196, June 16.
Rose plant. A. P. Howard. 1,218, Sept. 29.
Rose plant. M. R. Jacobus. 1,163, Feb. 3.
Rose plant. M. R. Jacobus. 1,234, Dec. 22.
Rose plant. W. Kordes. 1,197, June 16.
Rose plant. W. Kordes. 1,219, Oct. 6.
Rose plant. A. Krebs. 1,226, Nov. 10
Rose plant. W. E. Lammerts. 1,167, Feb. 10.
Rose plant. R. V. Lindquist. 1,209, Aug. 4.
Rose plant. F. Meilland. 1,188, May 19.
Rose plant. F. Meilland. 1,192–3, June 9.
Rose plant. R. S. Moore. 1,235, Dec. 29.
Rose plant. W. E. Pinchbeck. 1,232, Dec. 8.
Rose plant. F. Spanbauer. 1,237, Dec 29.
Rose plant. H. C. Swim. 1,176, Mar. 31.
Rose plant. H. C. Swim. 1,178–9, Apr. 7.
Rose plant. M. Tantau. 1,189, May 19.
Rose plant. H. A. M. Verschuren. 1,164, Feb. 3.
Rose plant. H. A. M. Verschuren. 1,223, Oct. 13.
Rose plant. O. L. Weeks. 1,185, May 12.
Rose plant. M. L. Whisler. 1,199–200, June 23.
Rose plant, Climbing. E. E. Marsh. 1,191, June 2.
Saintpaulia plant. C. W. Fischer. 1,173, Mar. 10.
Saintpaulia plant. F. Rahbek. 1,187, May 12.
Sansevieria plant. S. F. Hahn. 1,220–1, Oct. 13.
Sansevieria plant. S. F. Hahn. 1,224, Oct. 27.
Strawberry plant. F. J Keplinger. 1,183, May 5.

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LIST OF ABSTRACTS OF APPLICATIONS ARRANGED BY INVENTIONS

Addressing devices, Automatic. J. Rabinow. Ser. No. 288,067, published June 30, 1953.
Advertising display, Changeable. F. E. Tuttle. Ser. No. 236,248, published Mar. 10, 1953.
Alternating current machine. H. K. Ziegler. Ser. No. 209,189, published Apr. 21, 1953.
Amplifier circuit. L. J. Giacoletto. Ser. No. 283,847, published Aug. 18, 1953.
Antenna system, Adjustable. N. C. Fulmer and A. Ertel. Ser. No. 151,866, published Sept. 29, 1953.
Apparatus for decontaminating radioactive ships. J. De Ment. Ser. No. 772,859, published Aug. 18, 1953.
Apparatus for testing the weathering of fabrics. A. A. Aines. Ser. No. 69,142, published Mar. 10, 1953.
Applying solid insecticides. R. W. Fay and W. T. Sumerford. Ser. No. 223,810, published Sept. 29, 1953.
Attaching and detaching means, Quick. A. M. Moody. Ser. No. 100,733, published Apr. 21, 1953.
Audio sensitivity control, Automatic. R. J. Lewis. Ser. No. 259,207, published Apr. 21, 1953.
Baryta coating compositions and paper coated therewith. G. R. Clark. Ser. No. 112,408, published Sept. 29, 1953.
Bathtub and bathtub installation. C. J. Rodman. Ser. No. 103,361, published June 30, 1953.
Beater ejector for food mixers. D. L. McFarland. Ser. No. 263,611, published May 12, 1953.
Blade anchoring for axial flow compressor. T. N. Hull, Jr. Ser. No. 240,708, published Sept. 29, 1953.
Bleaching rayon materials. M. Wayman, F. R. Charles, and W. H. Rapson. Ser. No. 219,135, published June 30, 1953.
Bleaching viscose rayon. B. K. Easton and W. H. Kibbel, Jr. Ser. No. 224,847, published June 30, 1953.
Broad band coaxial line mixer. J. S. Foster, Jr. Ser. No. 678,171, published June 30, 1953.
Bus bar distribution. R. T. Casey. Ser. No. 134,427, published Nov. 17, 1953.
Bus bar power distribution system. R. C. Wilson. Ser. No. 85,557, published Nov. 17, 1953.
Circuit coupling methods and apparatus, Electric and magnetic. A. S. Langsdorf, Jr. Ser. No. 212,266, published June 30, 1953.
Circuit for use with direct current indicating instrument, Alternating current watt-meter. D. E. Bovey. Ser. No. 118,347, published Feb. 17, 1953.
Cladding of metal. F. C. Kelley. Ser. No. 18,861, published Mar. 10, 1953.
Clip for special fuses or electric relays, Holding. R. G. Page and R. S. Tillson. Ser. No. 193,380, published Mar. 24, 1953.
Clothes retainer for washing machine baskets. E. Powlenko. Ser. No. 225,157, published May 12, 1953.
Coil. B. B. Scott, Jr. Ser. No. 674,412, published Sept. 8, 1953.
Combustion apparatus. J. H. Oliver. Ser. No. 130,143, published Feb. 17, 1953.
Container for melamine synthesis. L. H. Sutherland, Jr., and N. H. Marsh. Ser. No. 247,565, published June 30, 1953.
Control arrangement for auxiliary compartment for refrigerators. A. G. Janos. Ser. No. 203,391, published May 12, 1953.
Core clamp. G. J. Ganley. Ser. No. 24,047, published Feb. 17, 1953.
Corrosion-free process for making melamine. W. C Mallison and L. H. Sutherland, Jr. Ser. No. 247,566, published June 30, 1953.
Cottonseed mixer. M. G. Lambou, R. E. O'Connor, E. A. Jensen, and P. A. Laughlin, Jr. Ser. No. 267,902, published Sept. 8, 1953.
Counter holder. S. G. English. Ser. No. 628,317, published Mar. 24, 1953.
Coupling device for oil gauges, Safety. H. A. Mayor and S. Jacobs. Ser. No. 292,366, published Sept. 8, 1953.
Design for groove preparation for welding. A. S. Binck. Ser. No. 117,399, published May 12, 1953.
Detergent composition. L. H. Libby. Ser. No. 154,738, published Nov. 17, 1953.
Diversity reception system. D. L. Jacoby. Ser. No. 200,272, published Sept. 8, 1953.
Door opener. D. R. Baker. Ser. No. 174,767, published June 30, 1953.
Double eye bar. J. H. Sellers. Ser. No. 13,030, published Feb. 17, 1953.
Drawing straight fine wire, Method of and apparatus for. C. F. Larkin. Ser. No. 784,821, published Aug. 18, 1953.
Driving system for a vehicle-mounted implement. F. D. Sawyer. Ser. No. 106,363, published Mar. 24, 1953.
Dynamoelectric machine core member. J. A. McKim. Ser. No. 299,080, published Aug. 18, 1953.
Electrode seal. R. F. Spurck and H. J. Nolte. Ser. No. 136,194, published Jan. 13, 1953.
Electrodeposition of manganese. D. Schlain. Ser. No. 109,054, published Jan. 13, 1953.
Electrodes of powdered metals for dry cell. G. B. Ellis. Ser. No. 121,044, published Jan. 13, 1953.
Electrolytic humidity elements. L. S. Craig. Ser. No. 205,167, published Sept. 29, 1953.
Electron discharge device. K. Lehovec. Ser. No. 194,000, published Apr. 21, 1953.
Electrostatic filter. P. E. Whittington. Ser. No. 51,002, published Feb. 17, 1953.
Expanding thin-walled metal cups and the like, Method of and apparatus for. J. D. Martin. Ser. No. 173,293, published Jan. 13, 1953.
Extrusion coating of sheet materials. C. M. Fields. Ser. No. 153,704, published Aug. 18, 1953.
Fastener and hook, Strap. A. M. Moody. Ser. No. 133,202, published Apr. 21, 1953.
Fastener and making same, Stake-type. E. R. Sklar. Ser. No. 113,109, published Feb. 17, 1953.
Fatty acid salts of streptomycin and dihydrostreptomycin. H. Welch. Ser. No. 116,848, published Sept. 29, 1953.
Film for use in color photography, Composite. J. C. Crawford. Ser. No. 33,833, published Sept. 29, 1953.
Flow control device. T. P. Kessler. Ser. No. 164,404, published Sept. 8, 1953.
Fluorescent and carcinogenic smoke-producing compositions. J. De Ment. Ser. No. 175,883, published Mar. 10, 1953.
Frequency control system. F. E. Talmage and S. C. Stribling, Jr. Ser. No. 125,692, published Jan. 13, 1953.
Fuel injection head. J. S. Griffith. Ser. No. 132,034, published Aug. 18, 1953.
Gauge for tubular objects, Circular size. G. A. Gustafson. Ser. No. 155,317, published Jan. 13, 1953.
Growth of pure yeast strains. C. W. Hesseltine and N. Bohonos. Ser. No. 229,296, published Sept. 29, 1953.
Guanidine carbonate, Preparation of. J. R. Bower, Jr. Ser. No. 201,060, published June 30, 1953.
Guard means for the spin baskets of washing machines or the like. W. L. Shelton. Ser. No. 174,776, published Aug. 18, 1953.
Halides of uranium, Making. A. D. Tevebaugh. Ser. No. 761,145, published Mar. 10, 1953.
Hardening polyvinyl alcohol photographic emulsion products. W. F. Fowler, Jr. Ser. No. 96,629, published Jan. 13, 1953.
Hydraulic control and lubricating system for washing machine drive. J. C. Worst. Ser. No. 188,151, published Sept. 8, 1953.
Identification plate. J. F. Nathan. Ser. No. 237,273, published June 30, 1953.
Illuminator for changeable display. R. P. Leavitt and A. J. Wennermark. Ser. No. 294,414, published Mar. 24, 1953.
Induction accelerator for synchrotron. J. P. Blewett. Ser. No. 60,991, published Aug. 18, 1953.
Insulated conductor, Producing an. P. F. Sanders. Ser. No. 2,318, published Mar. 10, 1953.
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